

Appendix C-4

Crash Studies

Accident Summaries for I-81

ACCIDENT SUMMARY SHEET

ROUTE: 81I **LOCATION:** Syracuse, New York
MUNICIPALITY: _____ **COUNTY:** _____
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013 **REFERENCE MARKERS / NODES:** 81I 3303 2006 - 81I 3303 3066
REMARKS: All Accidents **DATE:** 11/6/2014

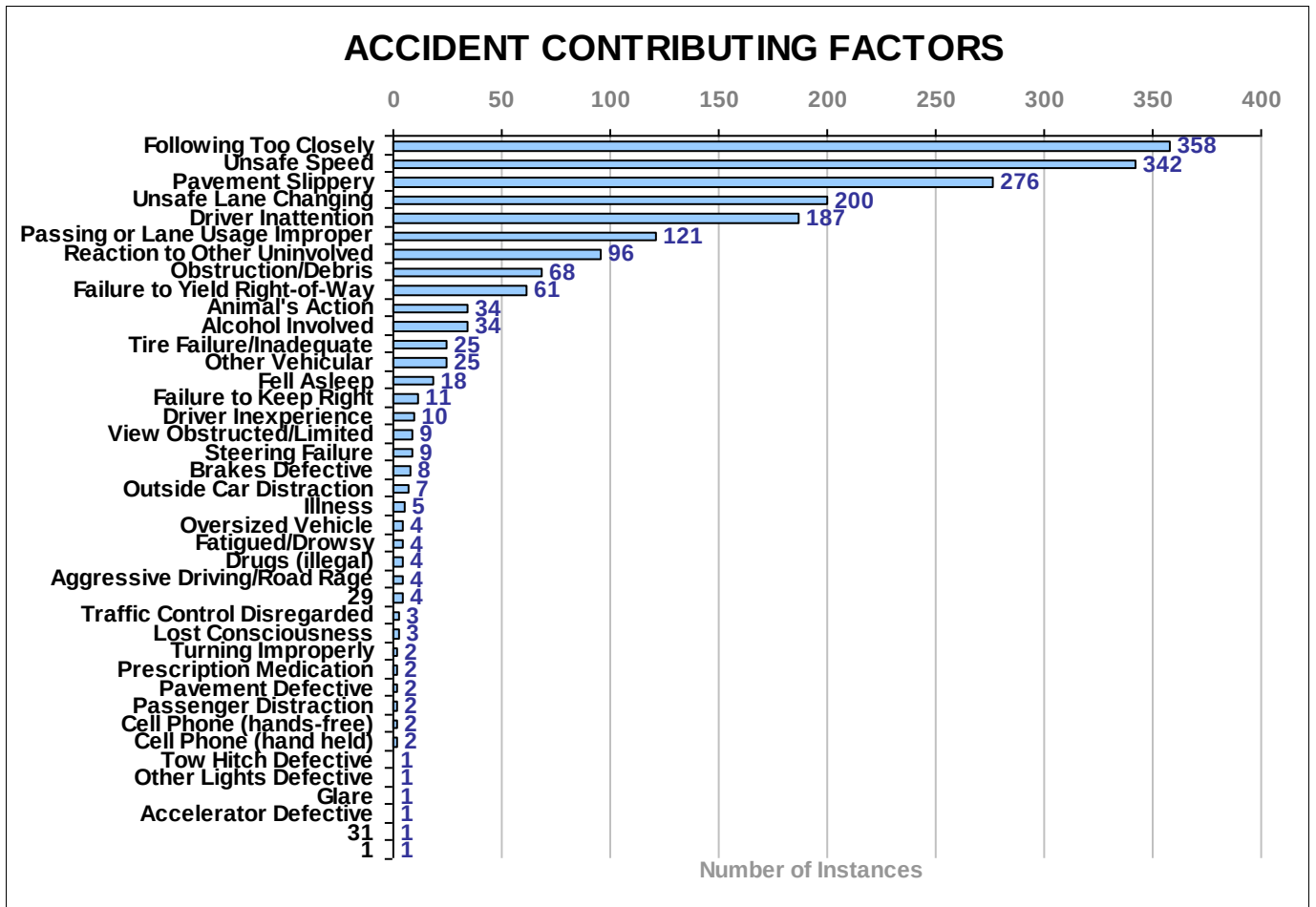
TIME OF DAY 6 AM - 10 AM 261 20.0% 10 AM - 4 PM 399 30.6% 4 PM - 7 PM 326 25.0% 7 PM - 12 AM 186 14.2% 12 AM - 6 AM 129 9.9% Unspecified 5 0.4% Total 1306			DIRECTION North 1167 53.1% South 1029 46.9% East 0 0.0% West 0 0.0% Total 2196			DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER Clear 488 37.4% Cloudy 343 26.3% Rain 188 14.4% Snow 257 19.7% Sleet/Hail/Freezing Rain 20 1.5% Fog/Smog/Smoke 1 0.1% Unspecified 9 0.7% Total 1306			ACCIDENT TYPE Rear End 404 30.9% Overtake 311 23.8% Right Angle 20 1.5% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 387 29.6% Head On 9 0.7% Sideswipe 0 0.0% Total 1306			ACCIDENT TYPE Pedestrian 2 0.2% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 27 2.1% Animal 30 2.3% Other 95 7.3% Unspecified 21 1.6%		
SURFACE Dry 704 53.9% Wet 316 24.2% Mud/Slush 26 2.0% Snow/Ice 252 19.3% Unspecified 8 0.6% Total 1306			ACCIDENT SEVERITY Fatal 2 0.2% Injury 267 20.4% Property Damage 1032 79.0% Non-Reportable 5 0.4% Total 1306					
TIME OF YEAR Winter (Dec-Feb) 430 32.9% Spring (Mar-May) 326 25.0% Summer (Jun-Aug) 276 21.1% Fall (Sep-Nov) 274 21.0% Total 1306			TYPE OF VEHICLE Passenger Cars 2220 93.2% Commercial Vehicles 163 6.8% Total 2383					
DAY OF WEEK Sunday 144 11.0% Monday 171 13.1% Tuesday 196 15.0% Wednesday 208 15.9% Thursday 187 14.3% Friday 226 17.3% Saturday 174 13.3% Total 1306			LIGHT CONDITION Daylight 852 65.2% Dawn/Dusk 52 4.0% Night 395 30.2% Unspecified 7 0.5% Total 1306					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2010	2011	2012	2013
Fatal Accidents	0	1	1	0
Injury Accidents	51	79	90	47
Property Damage Accidents	150	322	352	208
Non-Reportable Accidents	0	1	4	0
Total Accidents	201	403	447	255

HSA CHARTS

ROUTE: 81I LOCATION: Syracuse, New York
 TIME PERIOD COVERED: 7/1/2010 - 6/30/2013 REFERENCE MARKERS / NODES 81I 3303 2006 - 81I 3303 3066
 REMARKS: All Accidents DATE: 11/6/2014



HSA CHARTS

ROUTE: 81/

LOCATION: Syracuse, New York

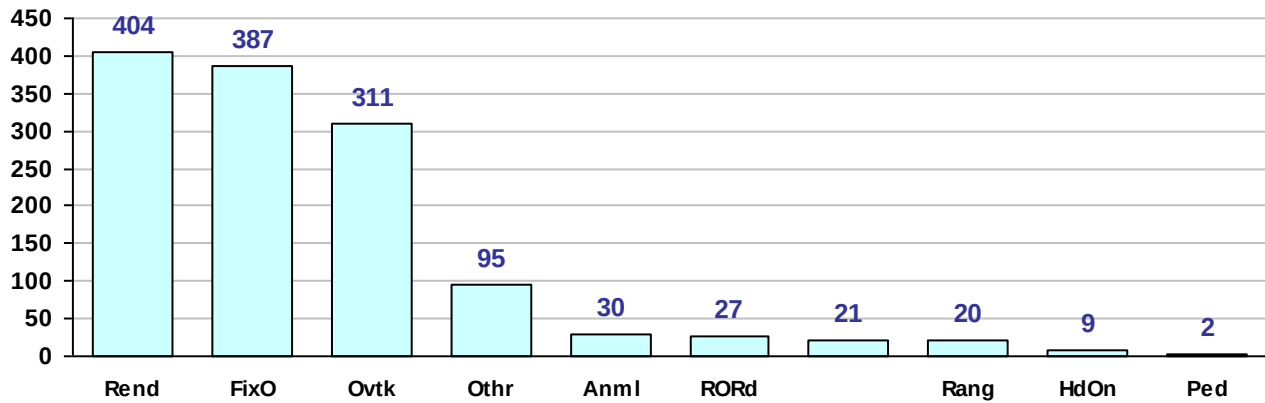
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013

REFERENCE MARKERS / NODES 81/ 3303 2006 - 81/ 3303 3066

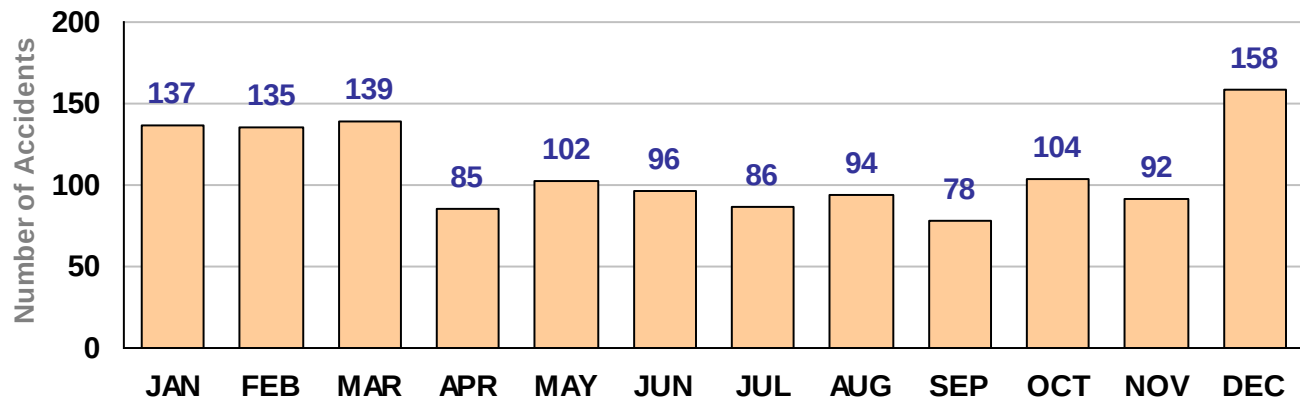
REMARKS: All Accidents

DATE: 11/6/2014

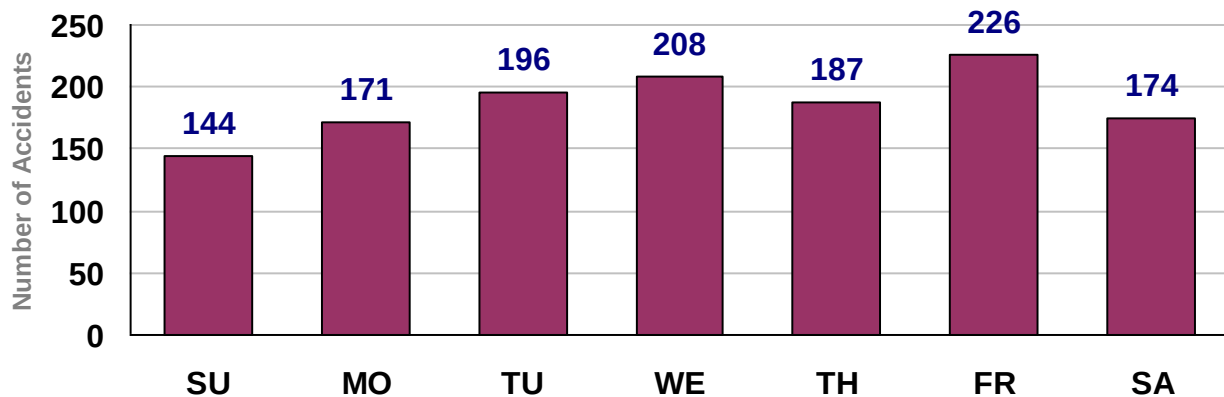
NUMBER OF ACCIDENTS BY TYPE



ACCIDENTS BY MONTH



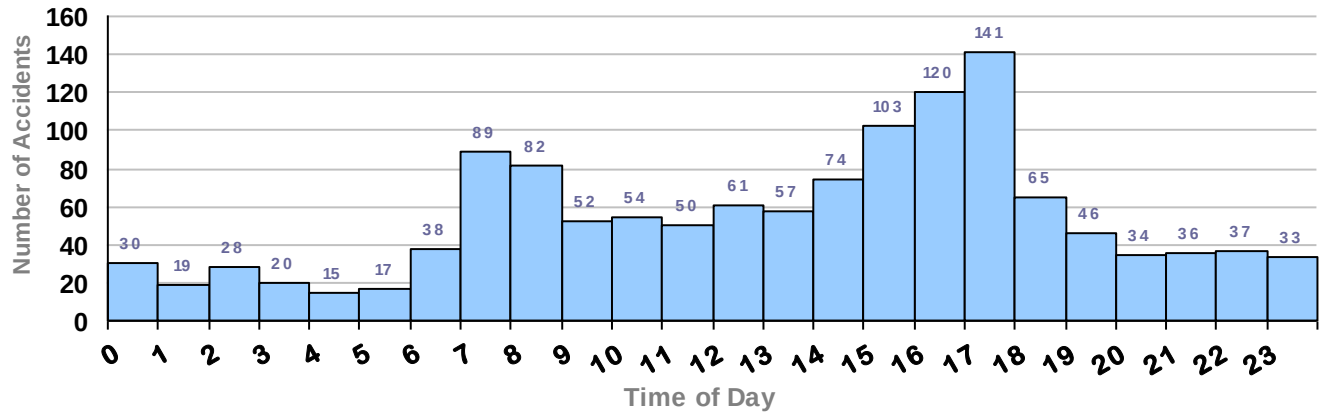
ACCIDENTS BY DAY OF WEEK



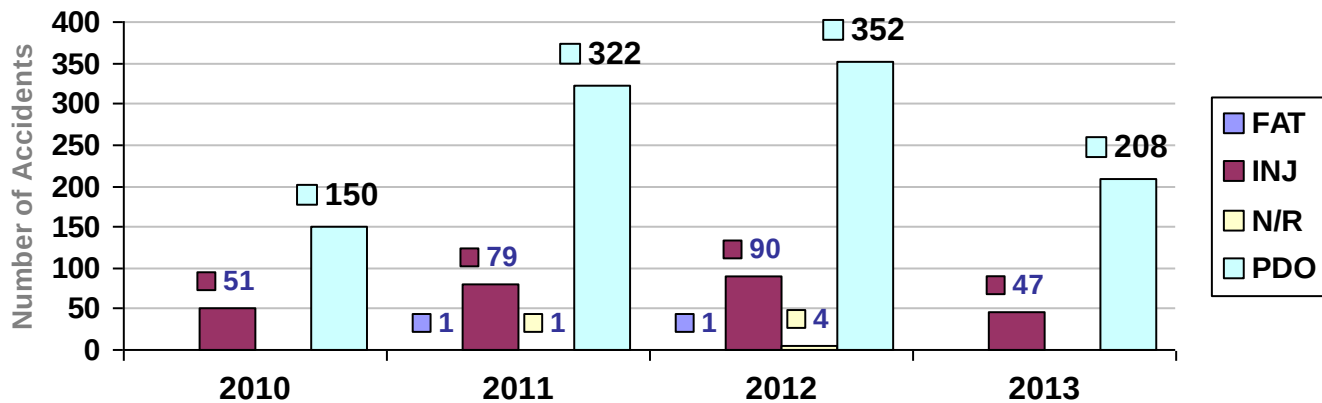
HSA CHARTS

ROUTE: 81/ LOCATION: Syracuse, New York
 TIME PERIOD COVERED: 7/1/2010 - 6/30/2013 REFERENCE MARKERS / NODES 81/ 3303 2006 - 81/ 3303 3066
 REMARKS: All Accidents DATE: 11/6/2014

ACCIDENTS BY TIME OF DAY



SEVERITY DISTRIBUTION BY YEAR



HSA CHARTS

ROUTE: 81/

LOCATION: Syracuse, New York

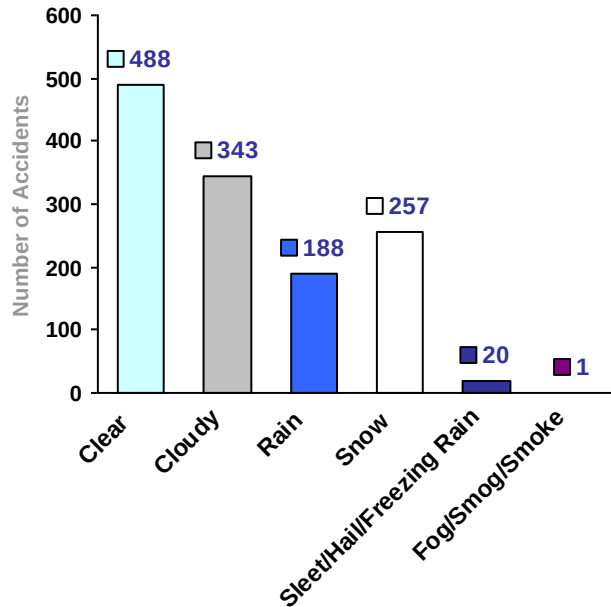
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013

REFERENCE MARKERS / NODES 81/ 3303 2006 - 81/ 3303 3066

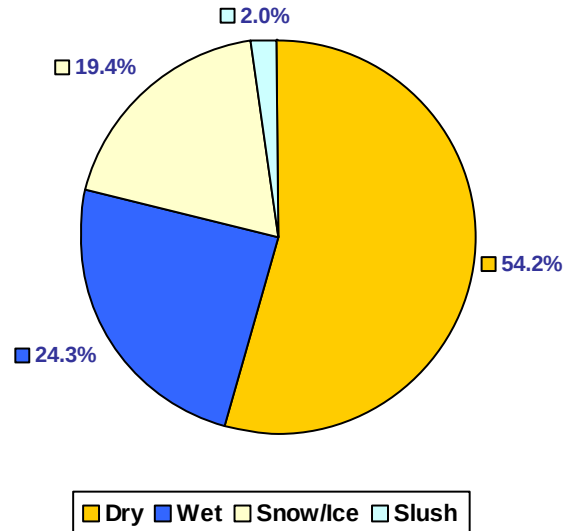
REMARKS: All Accidents

DATE: 11/6/2014

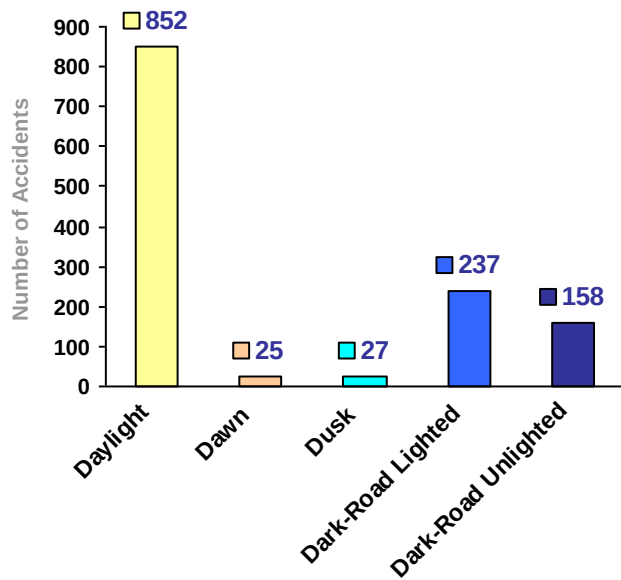
ACCIDENTS BY WEATHER



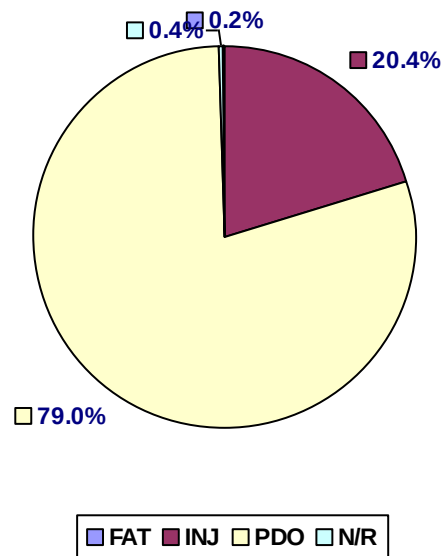
ROAD SURFACE



LIGHT CONDITION



ACCIDENT SEVERITY



Accident Summaries for I-690

ACCIDENT SUMMARY SHEET

ROUTE: 690I **LOCATION:** Syracuse, New York
MUNICIPALITY: **COUNTY:**
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013 **REFERENCE MARKERS / NODES:** 690I 3301 2002 - 690I 3301 3016
REMARKS: All Accidents **DATE:** 11/6/2014

TIME OF DAY 6 AM - 10 AM 191 22.7% 10 AM - 4 PM 267 31.7% 4 PM - 7 PM 183 21.7% 7 PM - 12 AM 110 13.0% 12 AM - 6 AM 89 10.6% Unspecified 3 0.4% Total 843	DIRECTION North 0 0.0% South 0 0.0% East 727 52.3% West 663 47.7% Total 1390	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 310 36.8% Cloudy 222 26.3% Rain 120 14.2% Snow 165 19.6% Sleet/Hail/Freezing Rain 13 1.5% Fog/Smog/Smoke 0 0.0% Unspecified 13 1.5% Total 843	ACCIDENT TYPE Rear End 256 30.4% Overtake 183 21.7% Right Angle 6 0.7% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 304 36.1% Head On 3 0.4% Sideswipe 0 0.0% Total 843	ACCIDENT TYPE Pedestrian 3 0.4% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 18 2.1% Animal 25 3.0% Other 42 5.0% Unspecified 3 0.4%
SURFACE Dry 446 52.9% Wet 206 24.4% Mud/Slush 11 1.3% Snow/Ice 170 20.2% Unspecified 10 1.2% Total 843	ACCIDENT SEVERITY Fatal 0 0.0% Injury 175 20.8% Property Damage 665 78.9% Non-Reportable 3 0.4% Total 843	
TIME OF YEAR Winter (Dec-Feb) 292 34.6% Spring (Mar-May) 191 22.7% Summer (Jun-Aug) 180 21.4% Fall (Sep-Nov) 180 21.4% Total 843	TYPE OF VEHICLE Passenger Cars 1410 95.7% Commercial Vehicles 64 4.3% Total 1474	
DAY OF WEEK Sunday 92 10.9% Monday 108 12.8% Tuesday 137 16.3% Wednesday 152 18.0% Thursday 108 12.8% Friday 141 16.7% Saturday 105 12.5% Total 843	LIGHT CONDITION Daylight 557 66.1% Dawn/Dusk 35 4.2% Night 243 28.8% Unspecified 8 0.9% Total 843	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2010	2011	2012	2013
Fatal Accidents	0	0	0	0
Injury Accidents	29	65	59	22
Property Damage Accidents	104	249	205	107
Non-Reportable Accidents	2	1	0	0
Total Accidents	135	315	264	129

HSA CHARTS

ROUTE: 690I

LOCATION: Syracuse, New York

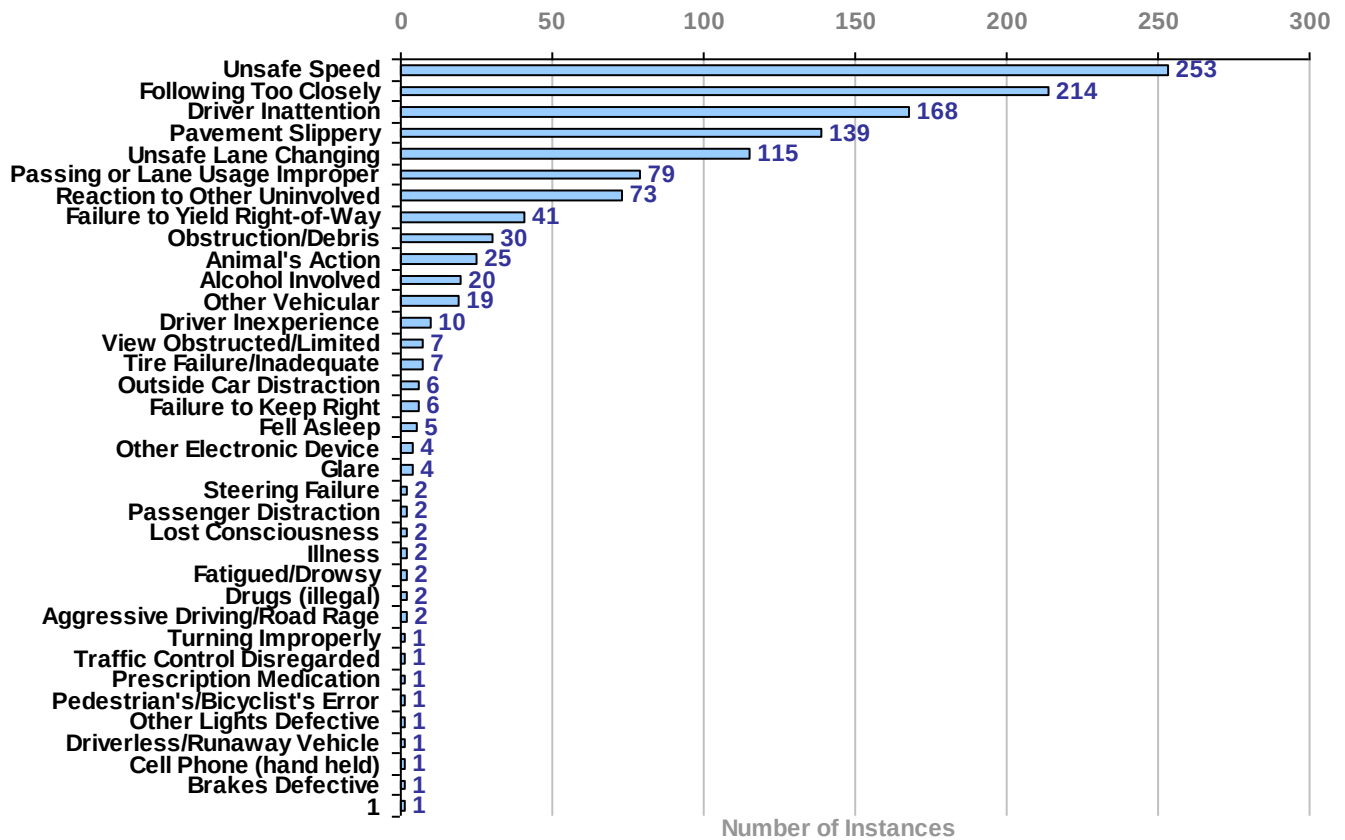
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013

REFERENCE MARKERS / NODES 690I 3301 2002 - 690I 3301 3016

REMARKS: All Accidents

DATE: 11/6/2014

ACCIDENT CONTRIBUTING FACTORS



HSA CHARTS

ROUTE: 690I

LOCATION: Syracuse, New York

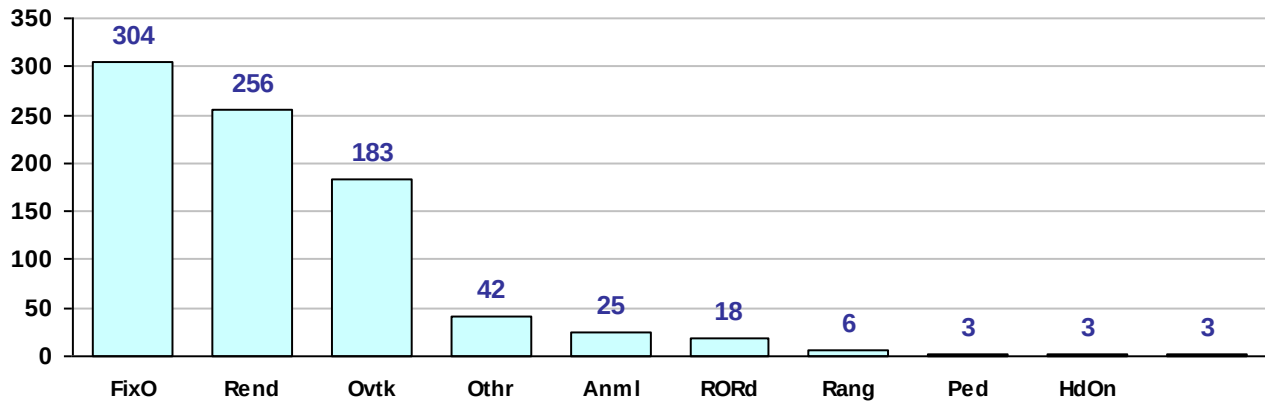
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013

REFERENCE MARKERS / NODES 690I 3301 2002 - 690I 3301 3016

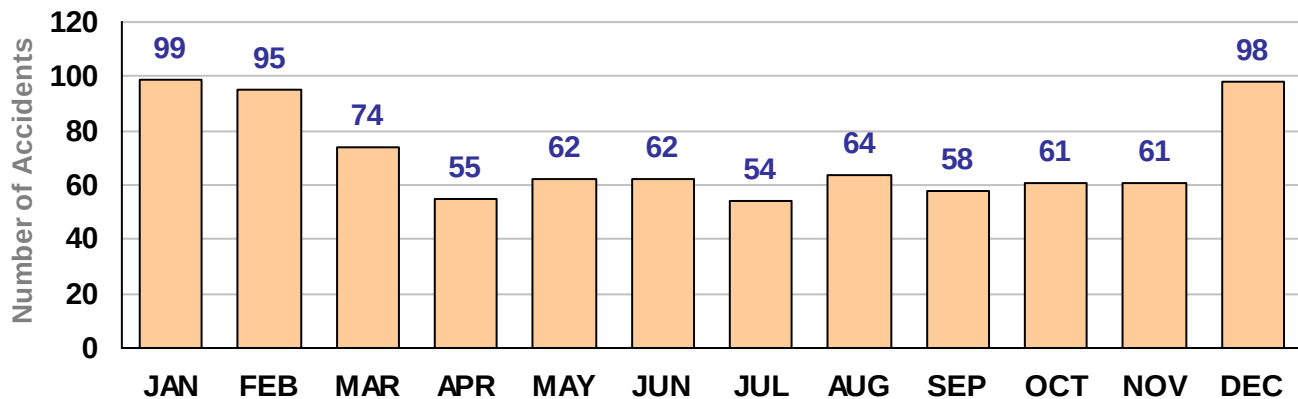
REMARKS: All Accidents

DATE: 11/6/2014

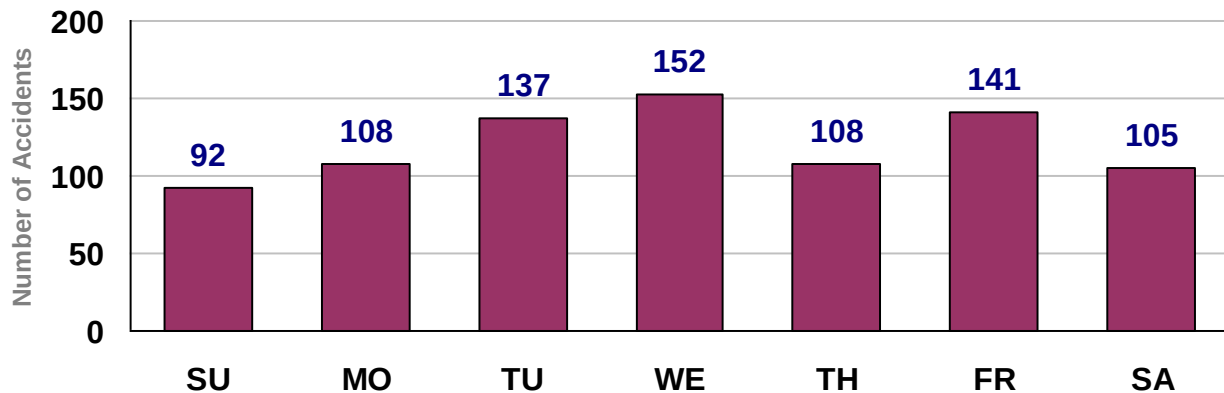
NUMBER OF ACCIDENTS BY TYPE



ACCIDENTS BY MONTH



ACCIDENTS BY DAY OF WEEK



HSA CHARTS

ROUTE: 690I

LOCATION: Syracuse, New York

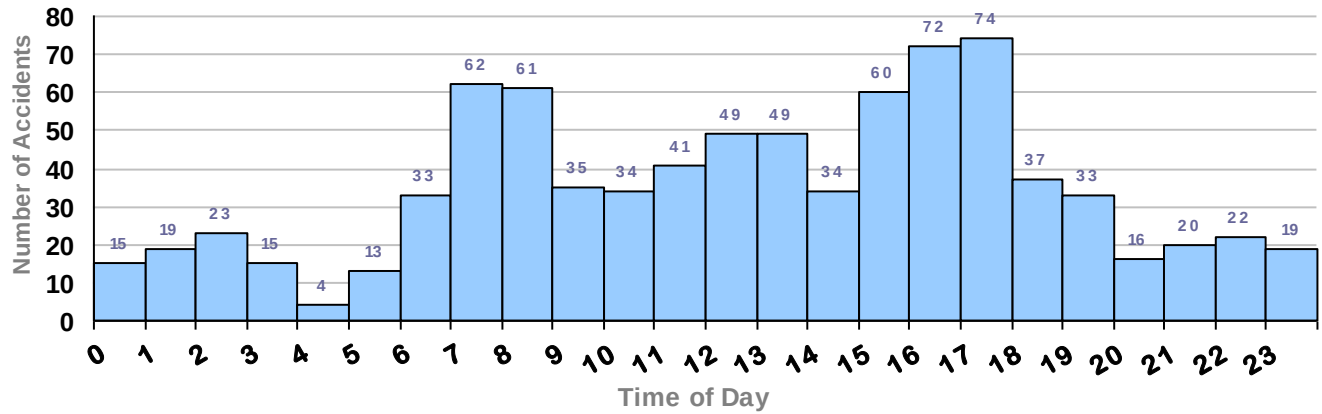
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013

REFERENCE MARKERS / NODES 690I 3301 2002 - 690I 3301 3016

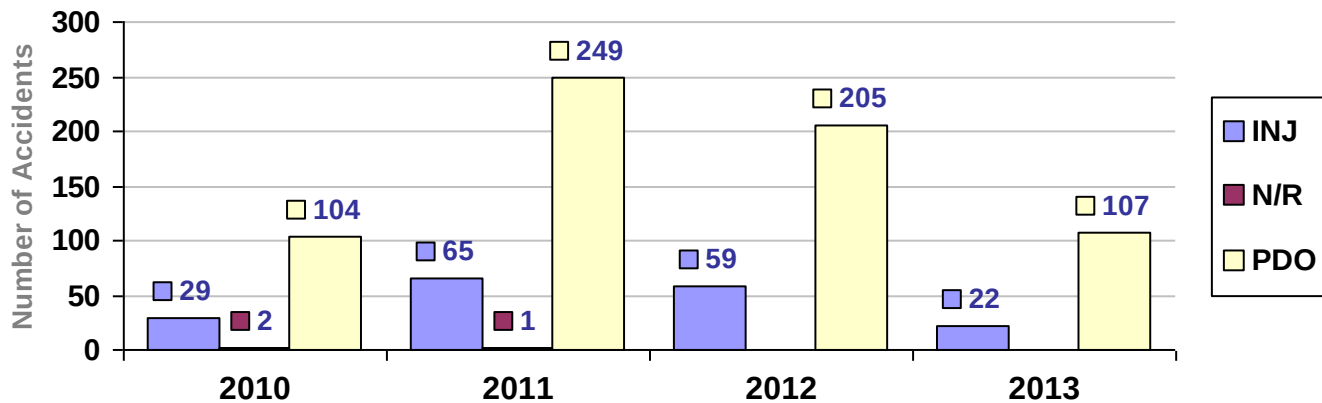
REMARKS: All Accidents

DATE: 11/6/2014

ACCIDENTS BY TIME OF DAY



SEVERITY DISTRIBUTION BY YEAR



HSA CHARTS

ROUTE: 690I

LOCATION: Syracuse, New York

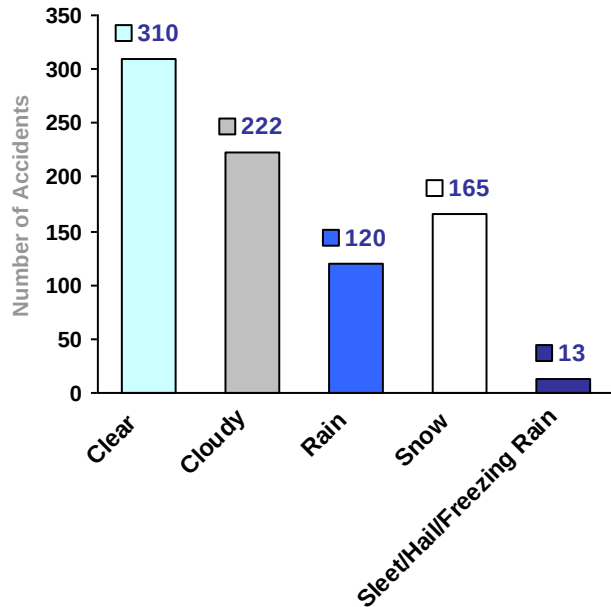
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013

REFERENCE MARKERS / NODES 690I 3301 2002 - 690I 3301 3016

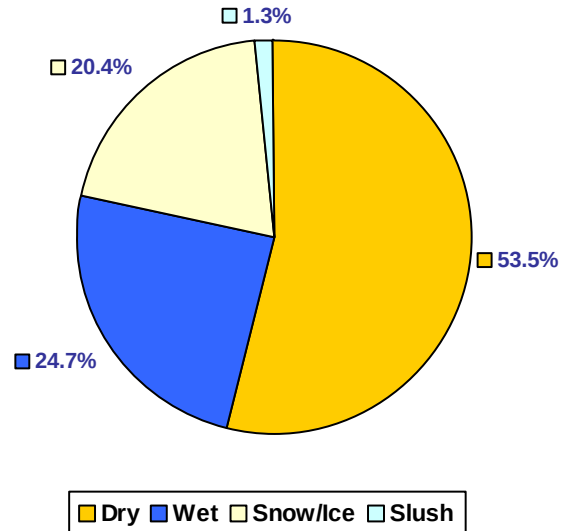
REMARKS: All Accidents

DATE: 11/6/2014

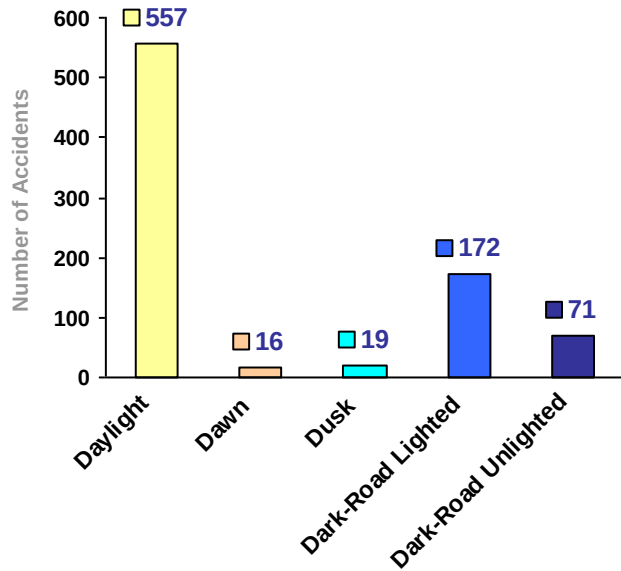
ACCIDENTS BY WEATHER



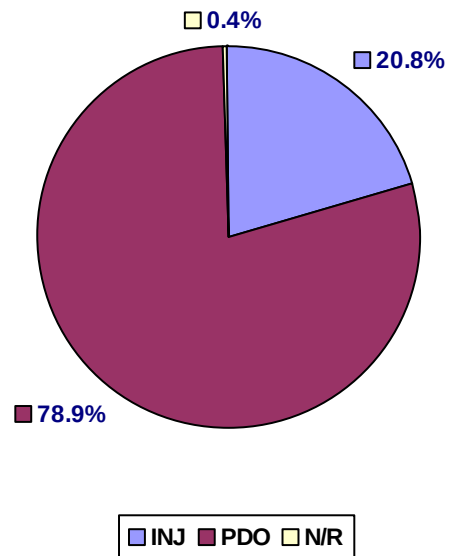
ROAD SURFACE



LIGHT CONDITION



ACCIDENT SEVERITY



Accident Summaries for I-481

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** Syracuse, New York
MUNICIPALITY: _____ **COUNTY:** _____
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013 **REFERENCE MARKERS / NODES:** 481/ 3301 1000 - 481/ 3301 2145
REMARKS: All Accidents **DATE:** 11/6/2014

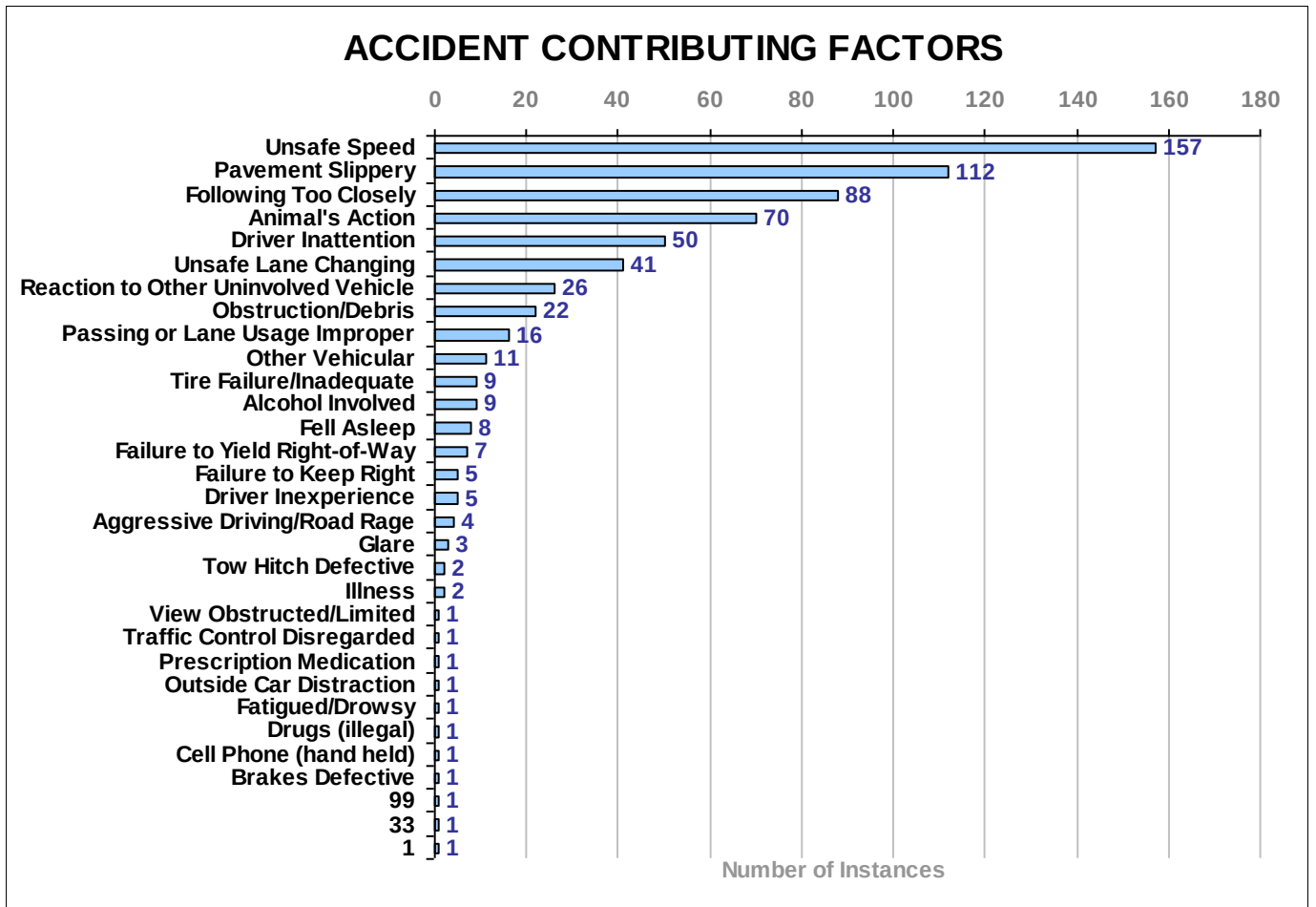
TIME OF DAY 6 AM - 10 AM # ACC % 10 AM - 4 PM 143 29.7% 4 PM - 7 PM 124 25.8% 7 PM - 12 AM 62 12.9% 12 AM - 6 AM 42 8.7% Unspecified 2 0.4% Total 481	DIRECTION North # ACC % South 432 63.0% East 0 0.0% West 0 0.0% Total 686	DIRECTION Northeast # ACC % Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear # ACC % Cloudy 155 32.2% Rain 96 20.0% Snow 66 13.7% Sleet/Hail/Freezing Rain 6 1.2% Fog/Smog/Smoke 0 0.0% Unspecified 4 0.8% Total 481	ACCIDENT TYPE Rear End # ACC % Overtake 61 12.7% Right Angle 8 1.7% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 187 38.9% Head On 1 0.2% Sideswipe 0 0.0% Total 481	ACCIDENT TYPE Pedestrian # ACC % Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 23 4.8% Animal 69 14.3% Other 32 6.7% Unspecified 2 0.4%
SURFACE Dry # ACC % Wet 159 33.1% Mud/Slush 9 1.9% Snow/Ice 79 16.4% Unspecified 6 1.2% Total 481	ACCIDENT SEVERITY Fatal # ACC % Injury 91 18.9% Property Damage 386 80.2% Non-Reportable 2 0.4% Total 481	
TIME OF YEAR Winter (Dec-Feb) # ACC % Spring (Mar-May) 99 20.6% Summer (Jun-Aug) 101 21.0% Fall (Sep-Nov) 151 31.4% Total 481	TYPE OF VEHICLE Passenger Cars # ACC % Commercial Vehicles 40 5.4% Total 737	
DAY OF WEEK Sunday # ACC % Monday 61 12.7% Tuesday 76 15.8% Wednesday 78 16.2% Thursday 62 12.9% Friday 93 19.3% Saturday 66 13.7% Total 481	LIGHT CONDITION Daylight # ACC % Dawn/Dusk 29 6.0% Night 132 27.4% Unspecified 4 0.8% Total 481	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2010	2011	2012	2013
Fatal Accidents	1	0	0	1
Injury Accidents	12	40	24	15
Property Damage Accidents	74	133	128	51
Non-Reportable Accidents	0	1	1	0
Total Accidents	87	174	153	67

HSA CHARTS

ROUTE: 481I LOCATION: Syracuse, New York
 TIME PERIOD COVERED: 7/1/2010 - 6/30/2013 REFERENCE MARKERS / NODES 481I 3301 1000 - 481I 3301 2145
 REMARKS: All Accidents DATE: 11/6/2014



HSA CHARTS

ROUTE: I-481

LOCATION: Syracuse, New York

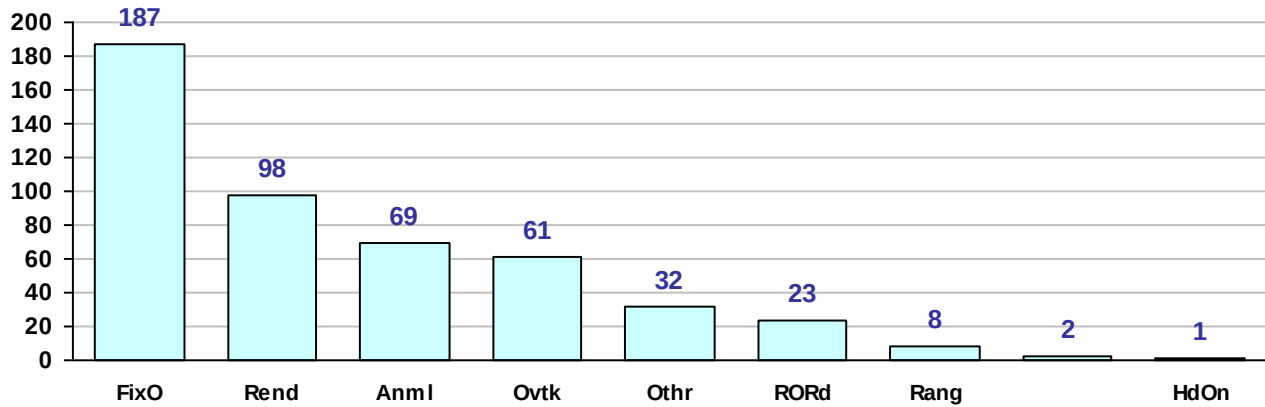
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013

REFERENCE MARKERS / NODES 481/ 3301 1000 - 481/ 3301 2145

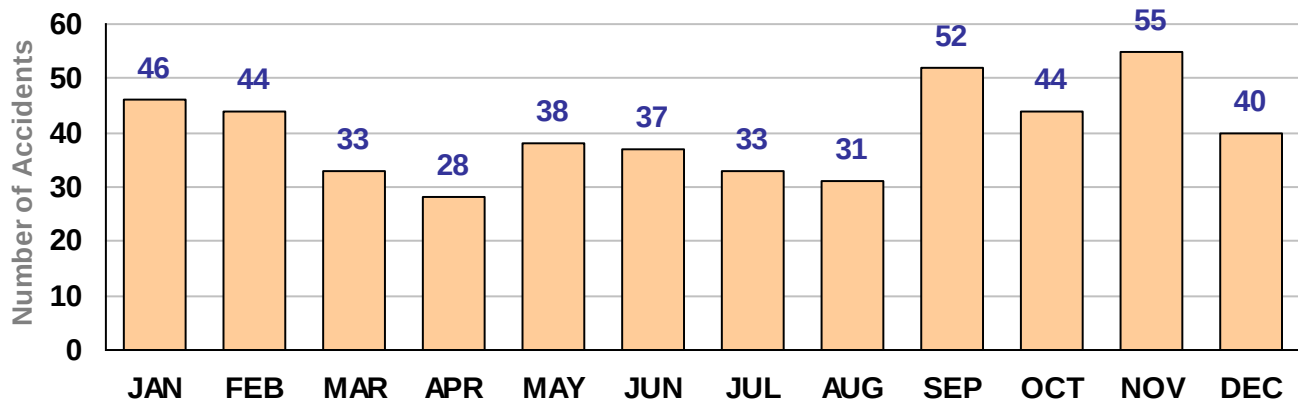
REMARKS: All Accidents

DATE: 11/6/2014

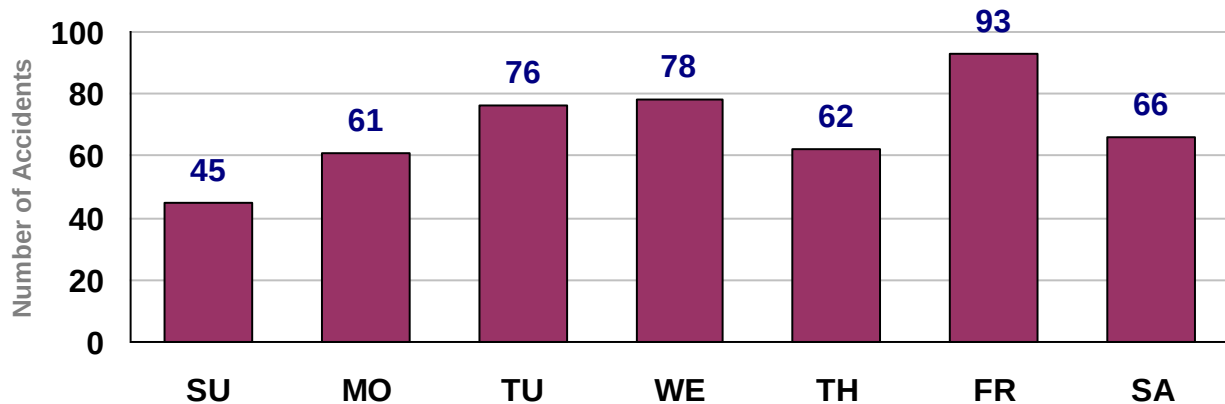
NUMBER OF ACCIDENTS BY TYPE



ACCIDENTS BY MONTH



ACCIDENTS BY DAY OF WEEK



HSA CHARTS

ROUTE: I-481

LOCATION: Syracuse, New York

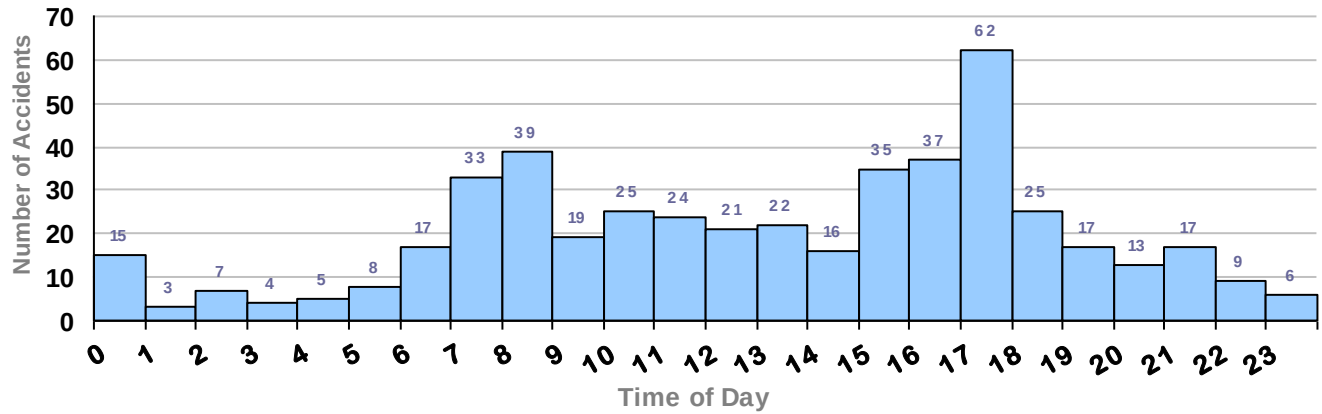
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013

REFERENCE MARKERS / NODES 481/ 3301 1000 - 481/ 3301 2145

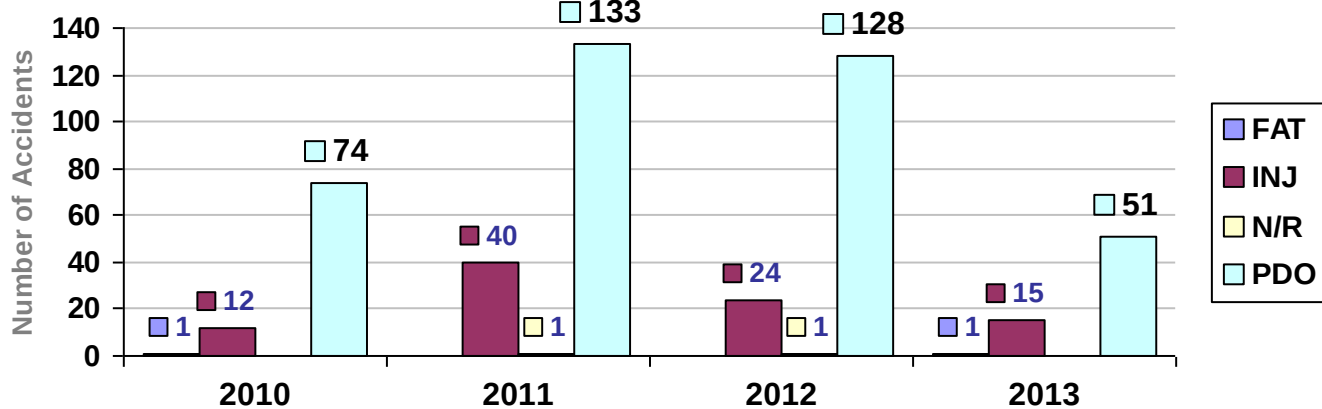
REMARKS: All Accidents

DATE: 11/6/2014

ACCIDENTS BY TIME OF DAY



SEVERITY DISTRIBUTION BY YEAR



HSA CHARTS

ROUTE: I-481

LOCATION: Syracuse, New York

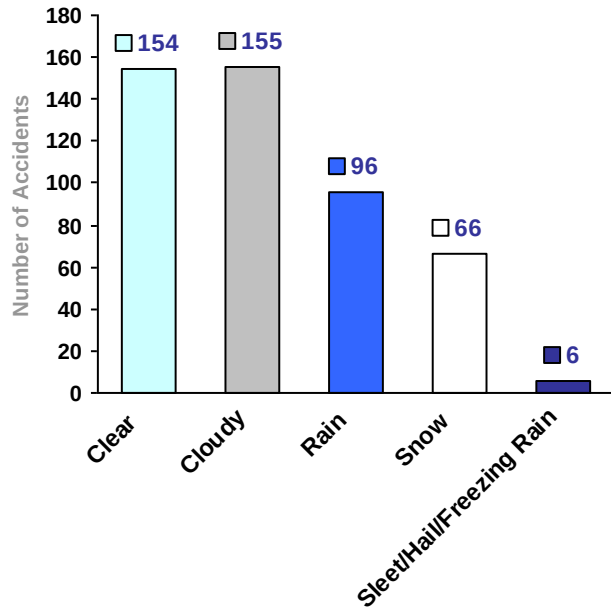
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013

REFERENCE MARKERS / NODES 481/ 3301 1000 - 481/ 3301 2145

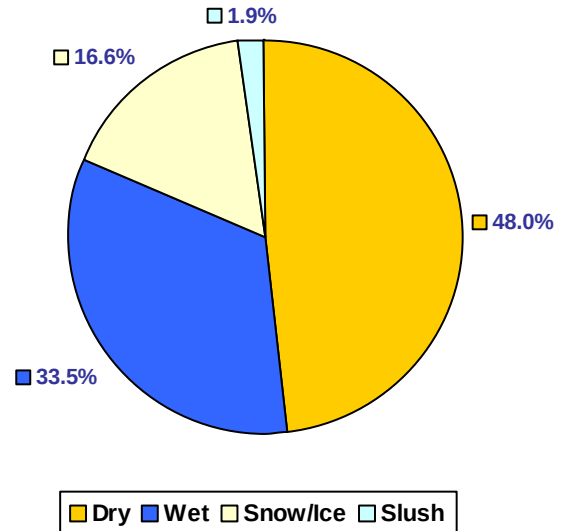
REMARKS: All Accidents

DATE: 11/6/2014

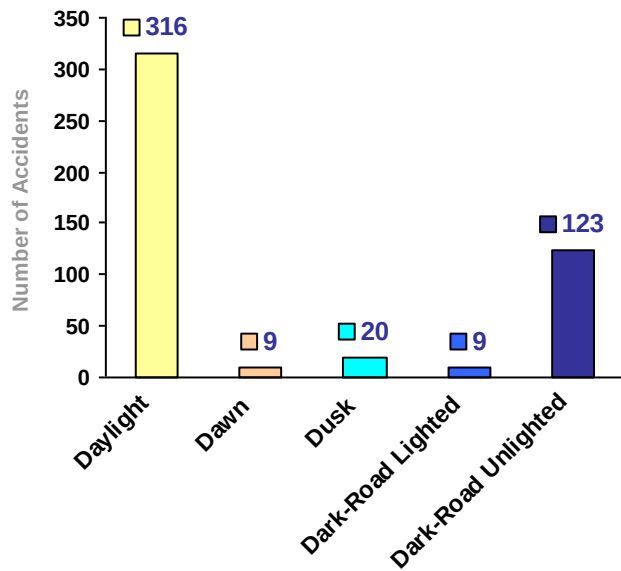
ACCIDENTS BY WEATHER



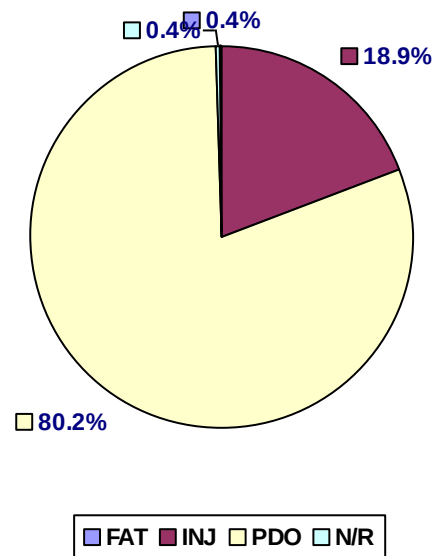
ROAD SURFACE



LIGHT CONDITION



ACCIDENT SEVERITY



Safety Analysis Related to Nonstandard and Nonconforming Features

I-81/I-690 S-Curve and Slalom Area

I-81 Viaduct Project – Syracuse, New York

Non-Standard and Non-Conforming Features Evaluation S-Curve and Slalom Area

Introduction

The I-81 viaduct “S-curve and slalom area” comprises the area approaching/through the I-81/I-690 interchange. It includes I-81 from Interchange 17 near Colvin Street (south of downtown) to Interchange 25 at 7th N. Street (north of downtown) and I-690 from Interchange 9 in the vicinity of Hiawatha Boulevard (near the fairgrounds) to west of Interchange 15 near Peat Street (northeast of Syracuse University). The area includes I-81 reference marker (RM) 81I 3303 2029 to RM 81I 3303 3008 in both the northbound and southbound directions and I-690 RM 690I 3301 2009 to RM 690I 3301 2046 in both the eastbound and westbound directions. See Figure 1 for a map of the general study area.

There are many non-standard and non-conforming geometric design features in the S-curve and slalom area. The non-standard features, along with reference marker locations (referred to from this point on by the last four digits), are provided in Figure 2. Figure 2A shows areas with non-standard shoulder widths, median widths, and stopping sight distances, while Figure 2B shows areas with non-standard curve radii, superelevations, and grades. These non-standard features, as well as additional non-conforming acceleration/deceleration lengths and ramp-to-ramp spacings, were identified in a previously-conducted planning study of the I-81 viaduct area and were spot-checked for accuracy in the field for this project. The purpose of the following preliminary accident investigation is to identify the level of correlation between accidents in the I-81 viaduct S-curve and slalom area to existing non-standard/non-conforming design features.

Accident data for the I-81 viaduct project was provided by NYSDOT for the most recent available three-year period (from July 1, 2010 through June 30, 2013). There were 1,489 accidents (903 along I-81 and 586 along I-690) initially coded to the S-curve and slalom area during the analysis period. Upon review of the accident data for this and other critical I-81 viaduct project area locations, 1,354 accidents were found to have actually occurred in the S-curve and slalom area – 817 on I-81 between RM 2029 and RM 3008 and 537 on I-690 between RM 2009 and RM 2046. Of these, 1,299 accidents (776 along I-81 and 523 along I-690) could be located, and 55 accidents (41 along I-81 and 14 along I-690) had reference markers unknown. Graphs of the total number of known accidents at individual reference markers along I-81 and I-690 (both applicable travel directions combined) are provided in Figures 3 and 4, respectively. Graphs were also developed for the total number of known accidents for 0.3-mile segments of I-81 and I-690 (both applicable travel directions combined), as shown in Figures 5 and 6, respectively. The latter allowed comparisons to be made between study area accident numbers and NYSDOT Region 3 High Accident Location (HAL) thresholds. As noted in the figures, a roadway segment in Region 3 (Syracuse) must be a minimum of 0.3-mile (i.e., three adjacent reference markers long) and experience a total of 9 accidents per year (i.e., 27 total for this three-year analysis period) to qualify as an urban Priority Investigation Location (PIL).

Based on an examination of the non-standard/non-conforming feature locations and an identification of potential PILs, the S-curve and slalom study area was modified to focus on reference markers with non-standard/non-conforming design features and/or relatively high accident numbers. The modified study area includes I-81 between RM 2032 and RM 2166 and I-690 between RM 2014 and RM 2042.

Non-Standard/Non-Conforming Features Study Area Analysis

A non-standard/non-conforming features analysis was conducted for the modified S-curve and slalom area study area – I-81 between RM 2032 and RM 2166 and I-690 between RM 2014 and RM 2042. A total of 1,181 accidents occurred in this area during the three-year accident analysis period – 695 along I-81 and 486 along I-690. However, as shown in Figure 2, non-standard and non-conforming features may differ by direction, and some combinations of reference markers and directions do not have any non-standard or non-conforming features. Therefore, 1,087 accidents in the S-curve and slalom area were identified to be potentially related to non-standard/non-conforming design features; these included 658 accidents along I-81 (341 in the northbound direction and 317 in the southbound direction) and 429 accidents along I-690 (232 in the eastbound direction and 197 in the westbound direction). The police report for each of these accidents was examined in detail to determine if the accident could be attributed in any way to a non-standard/non-conforming feature.

As shown in Table 1, typically fewer than half of the accidents along I-81 and fewer than one-third of the accidents along I-690 were likely attributable to non-standard and/or non-conforming features. Instead, many accidents occurred in construction zones and/or involved debris, animals, severe rainy/snowy/icy conditions, driver error or other factors. The correlations of accidents to non-standard/non-conforming features by individual I-81 and I-690 reference markers are provided in Figures 7 and 8, respectively. Along I-81, there may be a higher proportion of accidents related to non-standard and/or non-conforming features in the RM 2042 to RM 2161 area. Along I-690, there are pockets along the length of the eastbound direction that may have relatively high numbers of accidents related to non-standard and/or non-conforming features, while the only concentration of accidents that may be related to non-standard/non-conforming features in the westbound direction is from RM 2023 to RM 2025. It should be noted that both “Yes” and “Unknown” accidents were considered potentially related to non-standard/non-conforming features, as the major contributing factors for the “Unknowns” could not be determined from accident reports, and therefore could not be eliminated from further consideration in the evaluation.

**Table 1 – Number of S-Curve and Slalom Area Accidents
Correlated to Non-Standard/Non-Conforming Features**

I-81 (RM 2032 to RM 2166)

<u>Southbound</u>			<u>Northbound</u>		
No	176	55%	No	170	50%
Yes	91	29%	Yes	118	34%
Unknown	50	16%	Unknown	53	16%
Total	317		Total	341	

I-690 (RM 2014 to RM 2042)

<u>Westbound</u>			<u>Eastbound</u>		
No	162	82%	No	151	65%
Yes	14	7%	Yes	44	19%
Unknown	21	11%	Unknown	37	16%
Total	197		Total	232	

Evaluation of Viaduct Alternatives and Retention of Non-Standard Features

During the three-year analysis period from July 1, 2010 through June 30, 2013, 177 accidents occurred in the I-81 curve segment – of which 125 (71 percent) were identified to be potentially related to non-standard/non-conforming features. 54 accidents (43 percent) were primarily related to non-conforming ramp spacing, 52 accidents (42 percent) to non-standard curve radii, 11 (9 percent) to non-conforming acceleration/deceleration lanes, and 1 (1 percent) to non-standard shoulders. These accidents (which comprise 95 percent of the accidents related to non-standard/non-conforming features) would be less likely to occur in the future, since the corresponding non-standard/non-conforming features would be eliminated. Only 7 accidents (5 percent) were found to be related to non-standard sight distance. For the Viaduct Alternative, the sight distance would be improved by 62 to 88 percent and to within 77 to 89 percent of standards. It is anticipated that there would be some reduction in accidents associated with the improvements to sight distance.

During the three-year analysis period, 98 accidents occurred in the I-690 curve segment – of which 41 (42 percent) were identified to be potentially related to non-standard/non-conforming features. As indicated in Table 2, 17 accidents (41 percent) were related to non-conforming ramp spacing, 8 accidents (20 percent) to non-standard curve radius, 5 (12 percent) to non-conforming acceleration/deceleration lanes, and 1 (2 percent) to non-standard shoulders. These accidents (which comprise 75 percent of the accidents related to non-standard/non-conforming features) would be eliminated, since the corresponding non-standard/non-conforming features would be eliminated. Ten accidents (25 percent) were found to be related to non-standard sight distance. For the Viaduct Alternative, the sight distance would be improved by 38 to 70 percent and to within 77 to 89 percent of standard. It is anticipated that there would be some reduction in accidents associated with the improvements to sight distance.

Conclusion

There are many locations in the S-curve and slalom area with existing non-standard and non-conforming features. However, based on a detailed examination of accident reports in the greater I-81 at I-690 interchange area, the proportion of accidents that are related to the non-standard/non-conforming features is relatively small. There were 312 accidents (47 percent) along I-81 between RM 2032 and RM 2166 that were identified to be potentially related to non-standard/non-conforming geometric features, and there were 116 accidents (27 percent) along I-690 between RM 2014 and RM 2042 that were identified to be potentially related. With the proposed alternatives to minimize property impacts in the I-81 viaduct project area, all non-standard/non-conforming features other than horizontal stopping sight distance would be eliminated, which would substantially reduce the 428 accidents identified above. Only 7 (5 percent) of the accidents on I-81 between RM 2043 and RM 2049 and 10 (25 percent) of the accidents on I-690 between RM 2025 and RM 2028 (i.e., along the curves in the immediate interchange area where non-standard HSSD would be retained) were identified to be potentially related to HSSD. In the Viaduct alternative design, HSSD would be improved substantially from existing conditions and would only be non-standard in the inside travel lanes. Therefore, it is expected that the Viaduct alternative would improve safety in the S-curve area.

Table 2 – Non-Standard and Non-Conforming Features Analysis and Design Improvements for the Viaduct Alternative

I-81

I = Existing Non-standard/Non-conforming feature is improved
E = Existing Non-standard/Non-conforming feature is eliminated

Curve 1 (I-81 Northbound, Curve to West)

Reference Marker	Accidents Related to Potential Non-Standard/Non-Conforming Feature?				How Many Accidents Were Related to Each Non-Standard/Non-Conforming Feature?								Horizontal Stopping Sight Distance (HSSD)				
					Design Status of Non-Standard/Non-Conforming Feature?								Existing	Standard (60 mph)	Viaduct Alternative		
	N(o)	Y(es)	U(nknown)	Y/U	Shoulder	Median	Sight Distance	Curve Radius	Super-elevation	Grade	Accel/Decel Length	Ramp Spacing			Proposed	Increase over Existing	Percent of Standard
2043	5	21	3	24	0		0	0			0	24	270	570	438	62%	77%
					E		I	E			E	E					
2044	3	8	3	11	0		0	4			0	7					
					E		I	E			E	E					
2045	5	4	3	7	0		0	7									
					E		I	E									
2046	3	8	0	8	0		1	7					270	570	438	62%	77%
					E		I	E									
Total	16	41	9	50	0	0	1	18	0	0	0	31					

Curve 2 (I-81 Northbound, Curve to North)

Reference Marker	Accidents Related to Potential Non-Standard/Non-Conforming Feature?				How Many Accidents Were Related to Each Non-Standard/Non-Conforming Feature?								Horizontal Stopping Sight Distance (HSSD)				
					Design Status of Non-Standard/Non-Conforming Feature?								Existing	Standard (60 mph)	Viaduct Alternative		
	N(o)	Y(es)	U(nknown)	Y/U	Shoulder	Median	Sight Distance	Curve Radius	Super-elevation	Grade	Accel/Decel Length	Ramp Spacing			Proposed	Increase over Existing	Percent of Standard
2047	3	2	0	2	0		0	2					270	570	445	65%	78%
					E		I	E									
2048	5	7	0	7	0		0	7		0							
					E		I	E		E							
2049	8	15	3	18	1		1	9	0	0		7					
					E		I	E	E	E		E					
Total	16	24	3	27	1	0	1	18	0	0	0	7					

Curve 3 (I-81 Southbound, Curve to East)

Reference Marker	Accidents Related to Potential Non-Standard/Non-Conforming Feature?				How Many Accidents Were Related to Each Non-Standard/Non-Conforming Feature?								Horizontal Stopping Sight Distance (HSSD)				
					Design Status of Non-Standard/Non-Conforming Feature?								Existing	Standard (60 mph)	Viaduct Alternative		
	N(o)	Y(es)	U(nknown)	Y/U	Shoulder	Median	Sight Distance	Curve Radius	Super-elevation	Grade	Accel/Decel Length	Ramp Spacing			Proposed	Increase over Existing	Percent of Standard
2047	1	1	1	2	0		0	2					270	570	507	88%	89%
					E		I	E									
2048	1	2	1	3	0		0	3									
					E		I	E									
2049	7	9	1	10	0		1	3	0	0	6						
					E		I	E	E	E	E						
Total	9	12	3	15	0	0	1	8	0	0	6	0					

Curve 4 (I-81 Southbound, Curve to South)

Reference Marker	Accidents Related to Potential Non-Standard/Non-Conforming Feature?				How Many Accidents Were Related to Each Non-Standard/Non-Conforming Feature?								Horizontal Stopping Sight Distance (HSSD)				
					Design Status of Non-Standard/Non-Conforming Feature?								Existing	Standard (60 mph)	Viaduct Alternative		
	N(o)	Y(es)	U(nknown)	Y/U	Shoulder	Median	Sight Distance	Curve Radius	Super-elevation	Grade	Accel/Decel Length	Ramp Spacing			Proposed	Increase over Existing	Percent of Standard
2043	7	7	2	9	0		1	0				8	280	570	443	58%	78%
					E		I	E				E					
2044	0	6	0	6	0		0				0	6					
					E		I				E	E					
2045	0	14	0	14	0		3	4			5	2					
					E		I	E			E	E					
2046	4	4	0	4	0		0	4					280	570	443	58%	78%
					E		I	E									
Total	11	31	2	33	0	0	4	8	0	0	5	16					

I-690

Curve 5 (I-690 Eastbound, Curve to South)

Reference Marker	Accidents Related to Potential Non-Standard/Non-Conforming Feature?				How Many Accidents Were Related to Each Non-Standard/Non-Conforming Feature?								Horizontal Stopping Sight Distance (HSSD)				
					Design Status of Non-Standard/Non-Conforming Feature?								Existing	Standard (60 mph)	Viaduct Alternative		
	N(o)	Y(es)	U(nknown)	Y/U	Shoulder	Median	Sight Distance	Curve Radius	Super-elevation	Grade	Accel/Decel Length	Ramp Spacing			Proposed	Increase over Existing	Percent of Standard
2023	4	6	0	6				1			5		290	570	445	53%	78%
								E			E						
2024	3	1	0	1			1	0			0						
							I	E			E						
2025	2	2	0	2	0		2	0	0								
					E		I	E	E								
Total	9	9	0	9	0	0	3	1	0	0	5	0					

Curve 6 (I-690 Eastbound, Curve to East)

Reference Marker	Accidents Related to Potential Non-Standard/Non-Conforming Feature?				How Many Accidents Were Related to Each Non-Standard/Non-Conforming Feature?								Horizontal Stopping Sight Distance (HSSD)				
					Design Status of Non-Standard/Non-Conforming Feature?								Existing	Standard (60 mph)	Viaduct Alternative		
	N(o)	Y(es)	U(nknown)	Y/U	Shoulder	Median	Sight Distance	Curve Radius	Super-elevation	Grade	Accel/Decel Length	Ramp Spacing			Proposed	Increase over Existing	Percent of Standard
2025	2	2	0	2	0		2	0	0				300	570	509	70%	89%
					E		I	E	E								
2026	2	1	1	2	0		0	2	0								
					E		I	E	E								
2027	10	7	2	9	1		3	5	0								
					E		I	E	E								
2028	13	2	0	2	0		2										
					E		I										
Total	27	12	3	15	1	0	7	7	0	0	0	0					

Curve 7 (I-690 Westbound, Curve to West)

Reference Marker	Accidents Related to Potential Non-Standard/Non-Conforming Feature?				How Many Accidents Were Related to Each Non-Standard/Non-Conforming Feature?								Horizontal Stopping Sight Distance (HSSD)				
					Design Status of Non-Standard/Non-Conforming Feature?								Existing	Standard (60 mph)	Viaduct Alternative		
	N(o)	Y(es)	U(nknown)	Y/U	Shoulder	Median	Sight Distance	Curve Radius	Super-elevation	Grade	Accel/Decel Length	Ramp Spacing			Proposed	Increase over Existing	Percent of Standard
2023	3	4	2	6	0		0					6	320	570	441	38%	77%
					E		I					E					
2024	4	1	4	5	0		0					5					
					E		I					E					
2025	14	3	3	6	0		0	0	0			6					
					E		I	E	E			E					
Total	21	8	9	17	0	0	0	0	0	0	0	17					

Figures

Figure 1 – S-Curve and Slalom Study Area

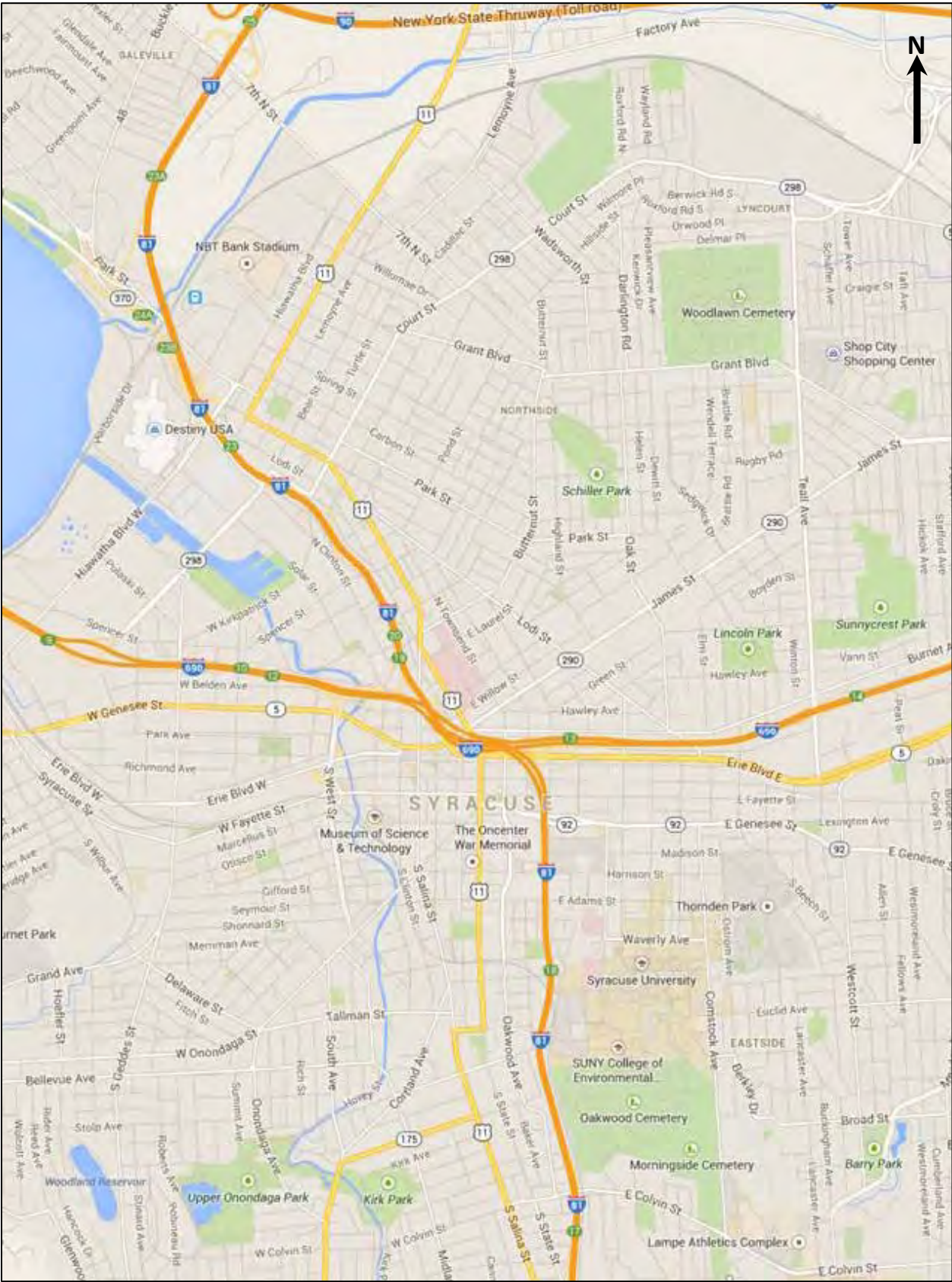
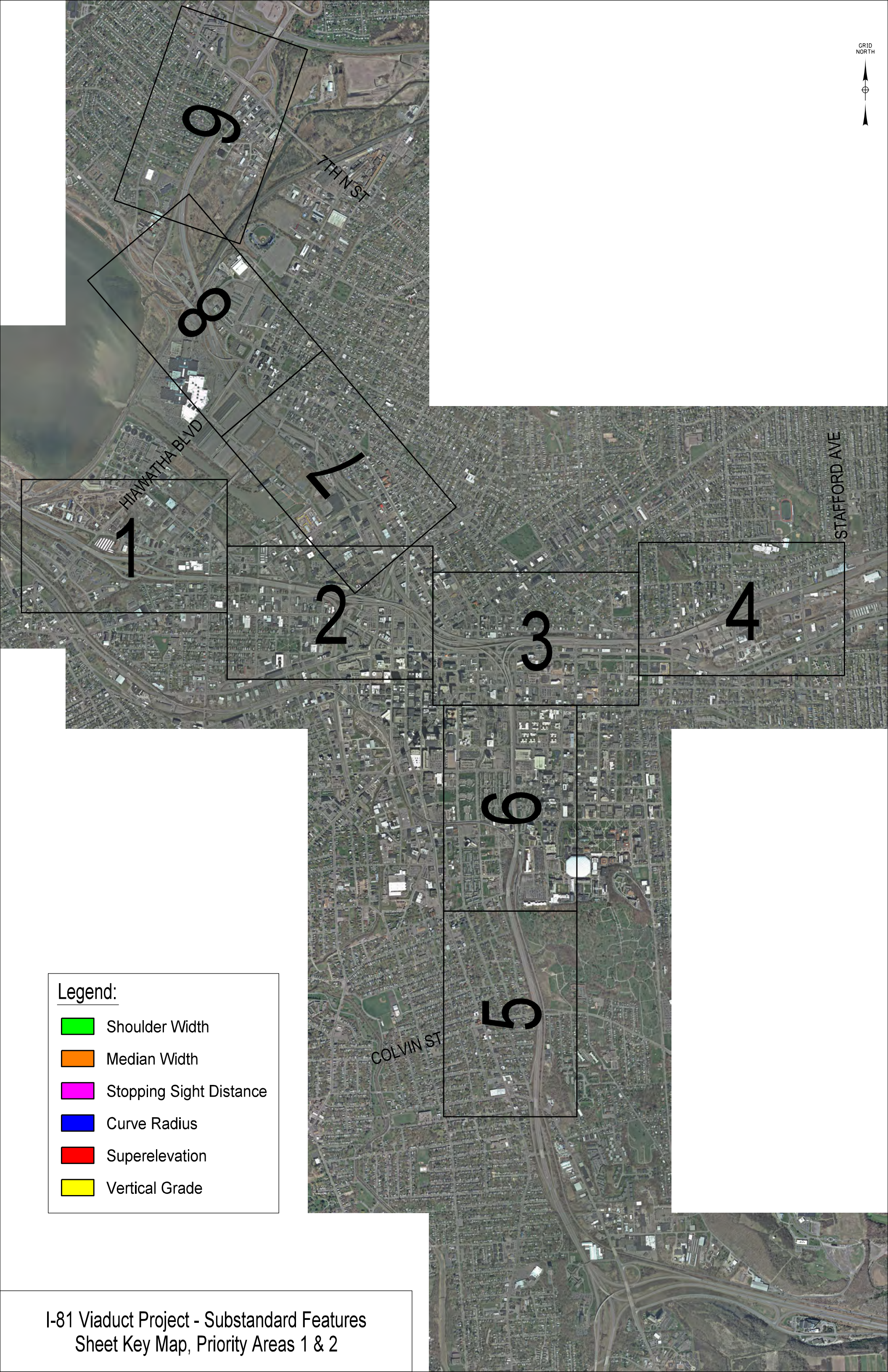


Figure 2

I-81 Viaduct Project – Non-Standard Features Key Map



Legend:

- Shoulder Width
- Median Width
- Stopping Sight Distance
- Curve Radius
- Superelevation
- Vertical Grade

Figure 2A

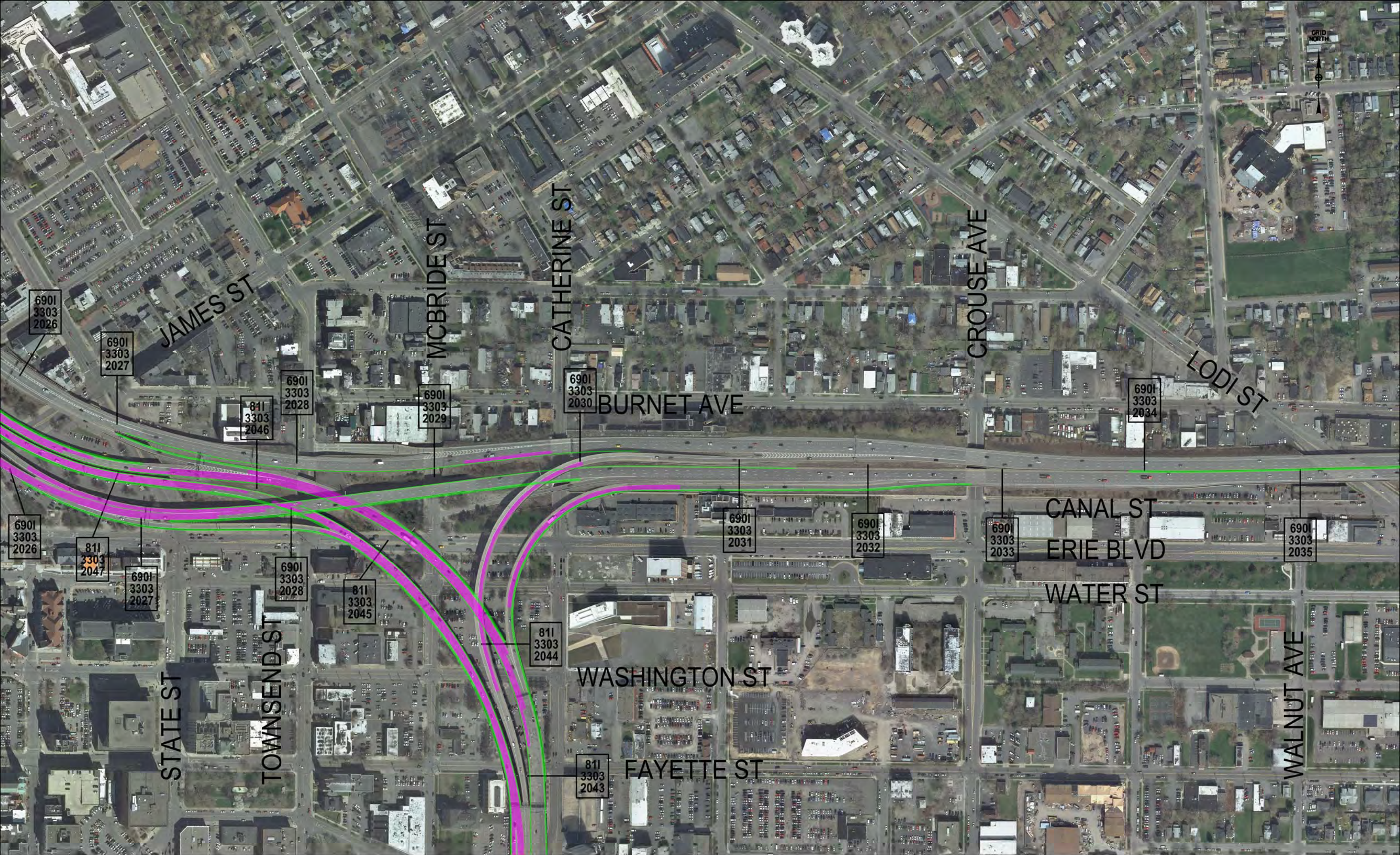
I-81 Viaduct Project – Non-Standard Shoulder, Median Width, and Stopping Sight Distance

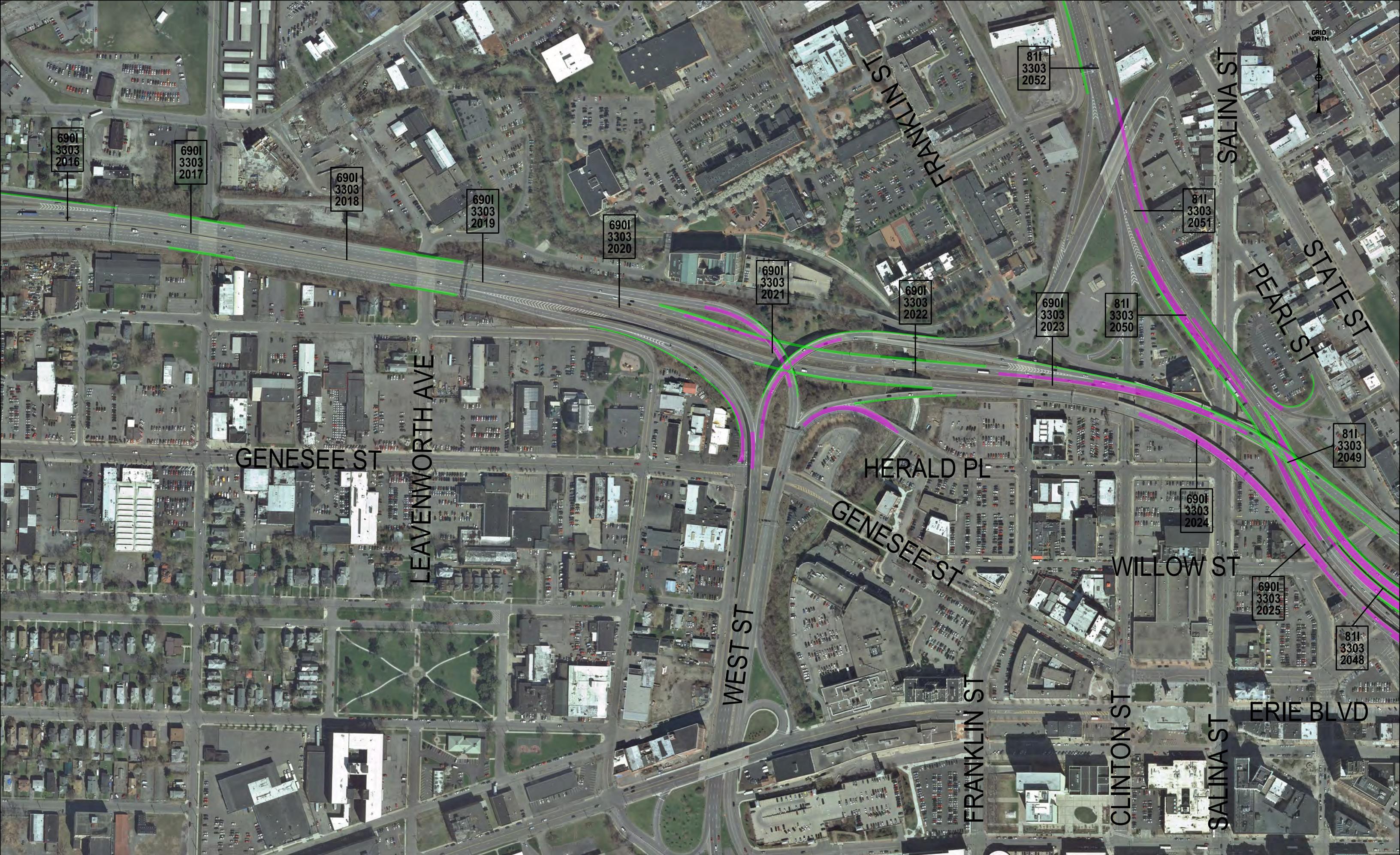
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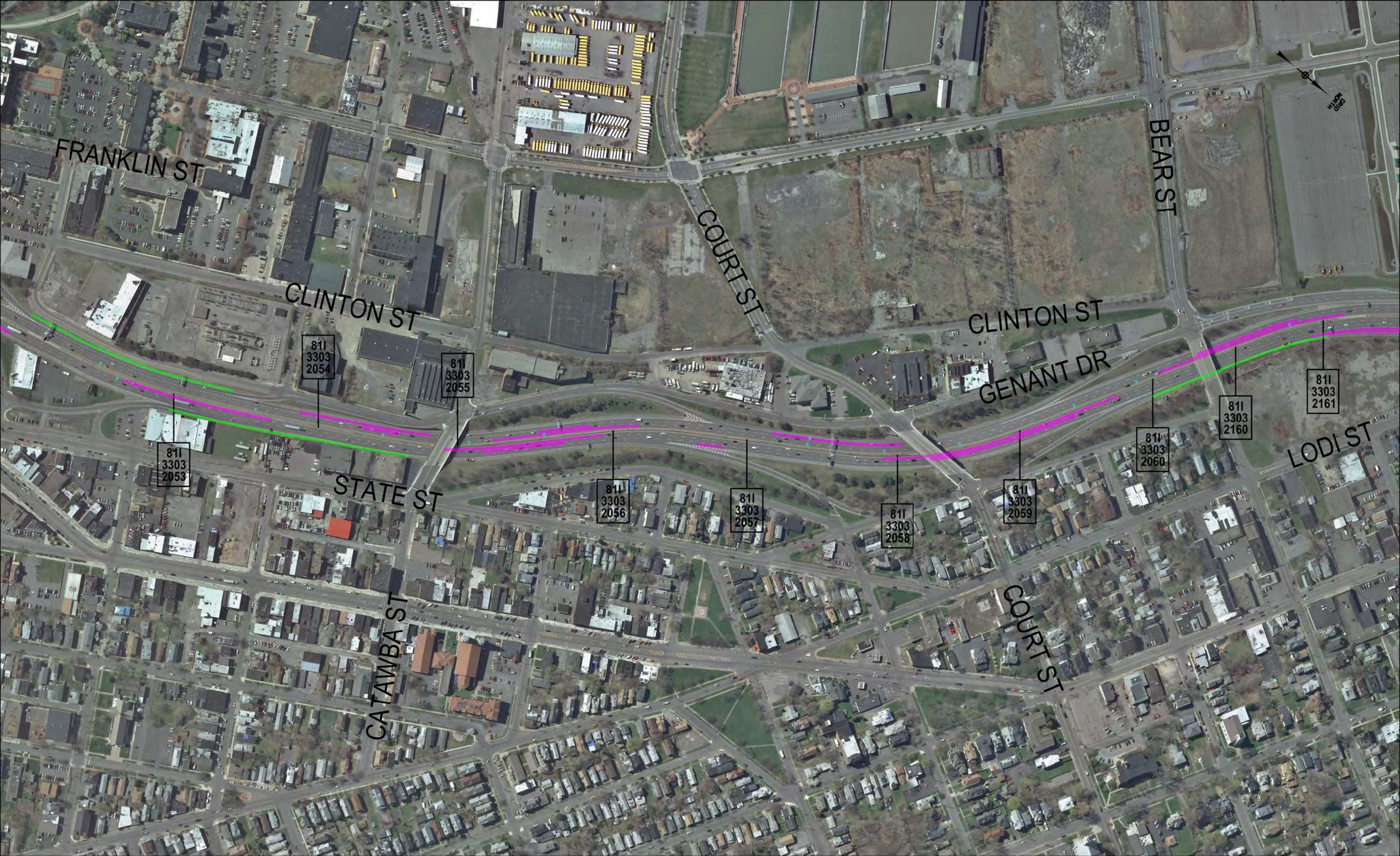
- Shoulder Width
- Median Width
- Stopping Sight Distance
- Curve Radius
- Superelevation
- Vertical Grade

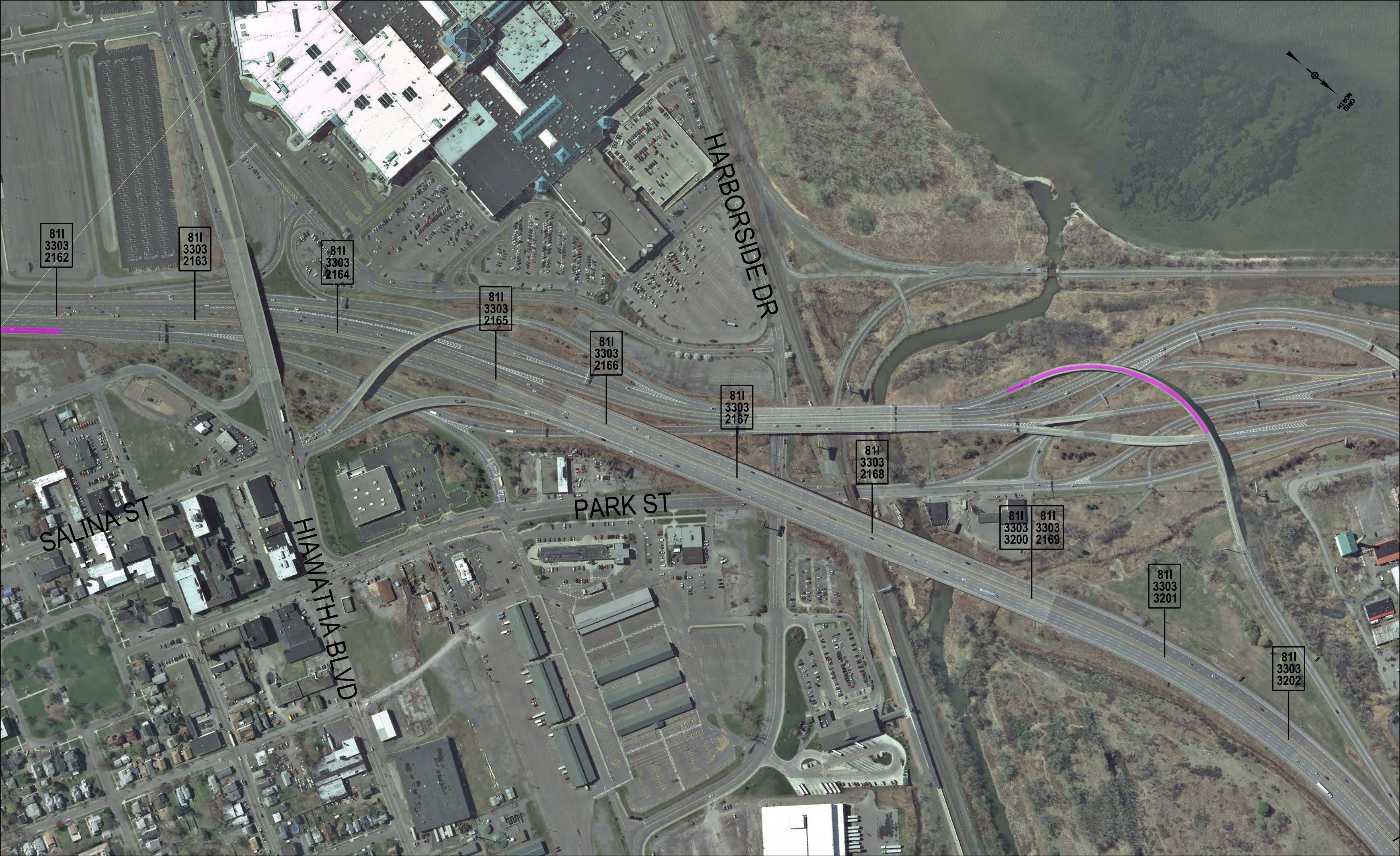








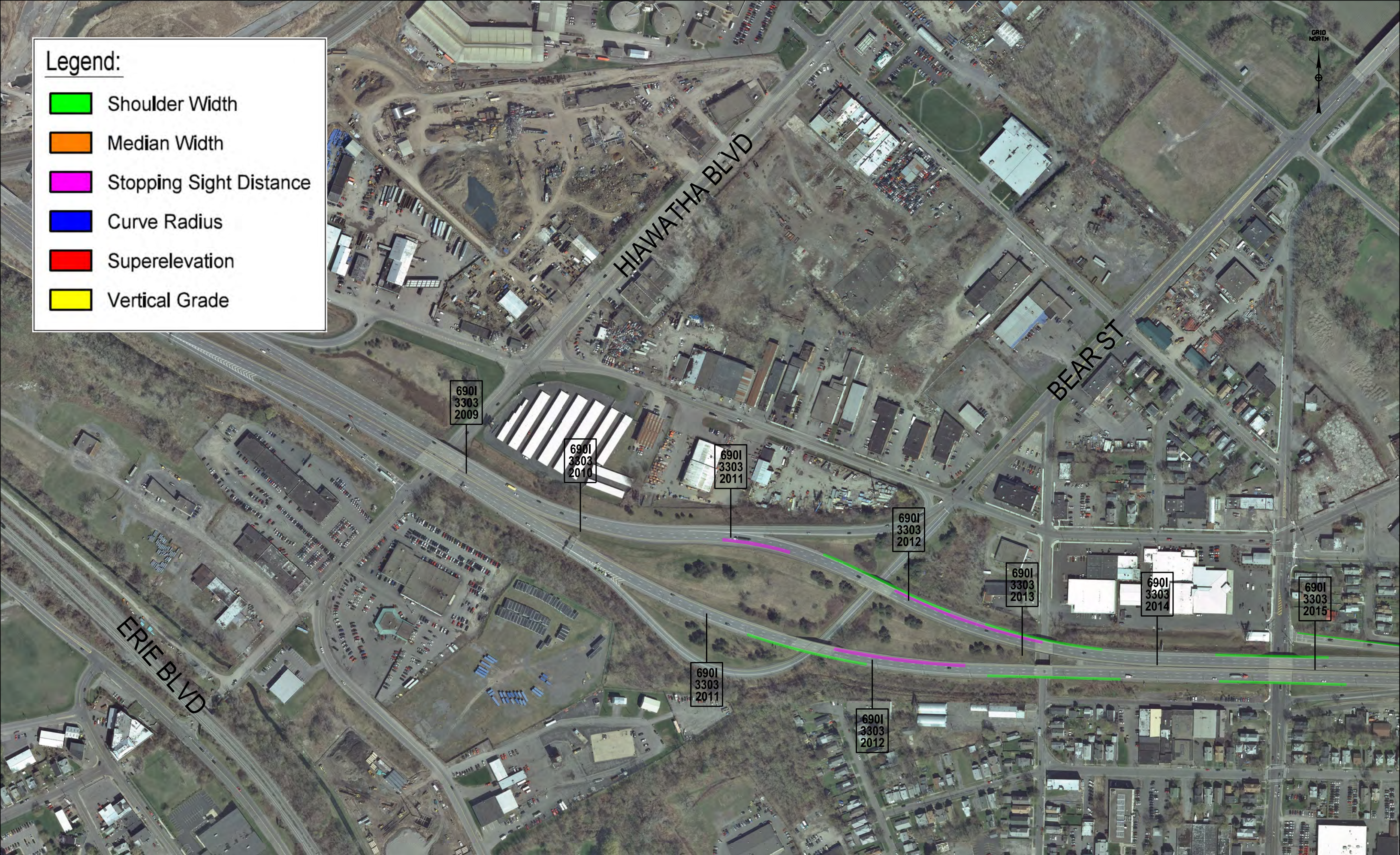


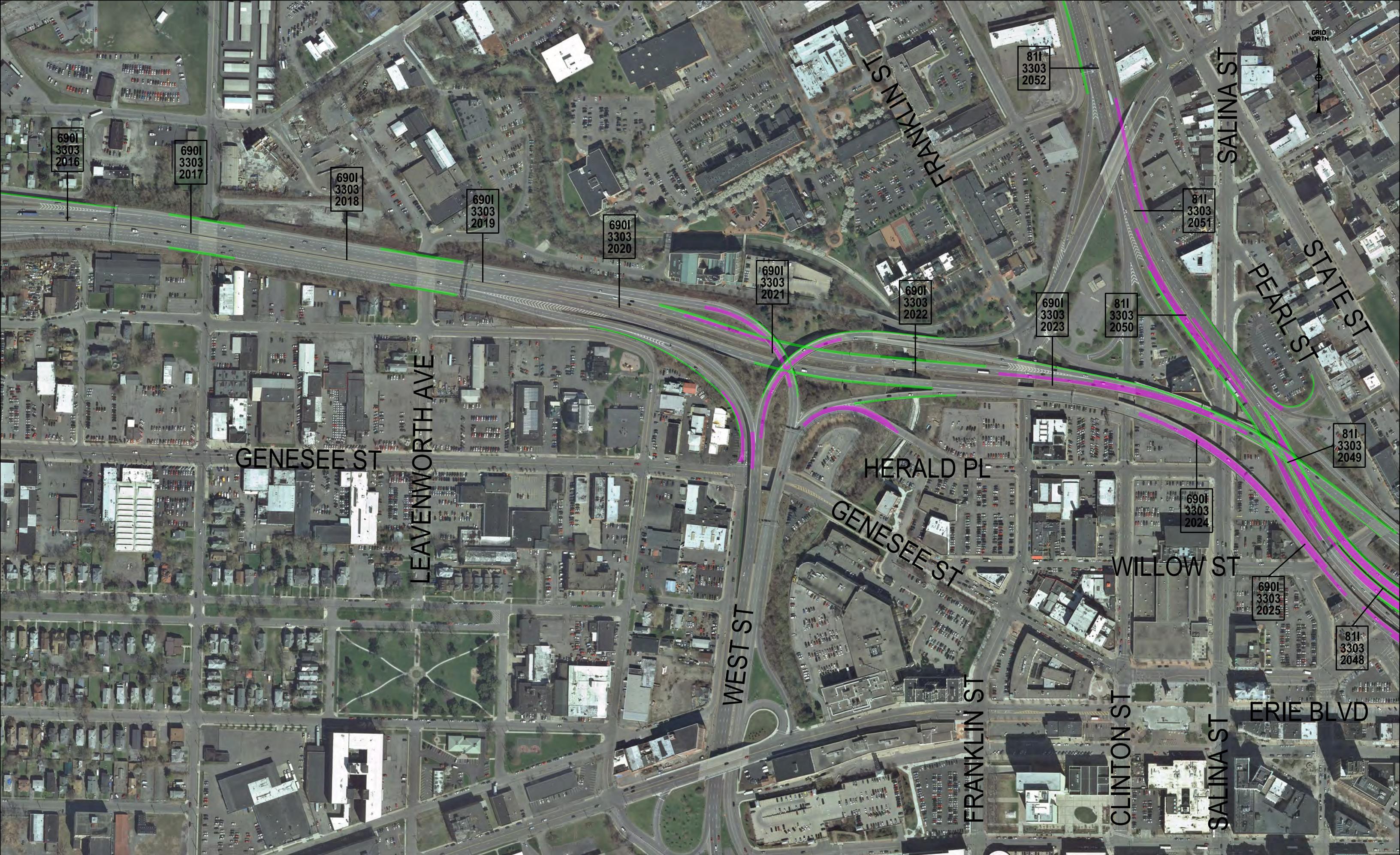


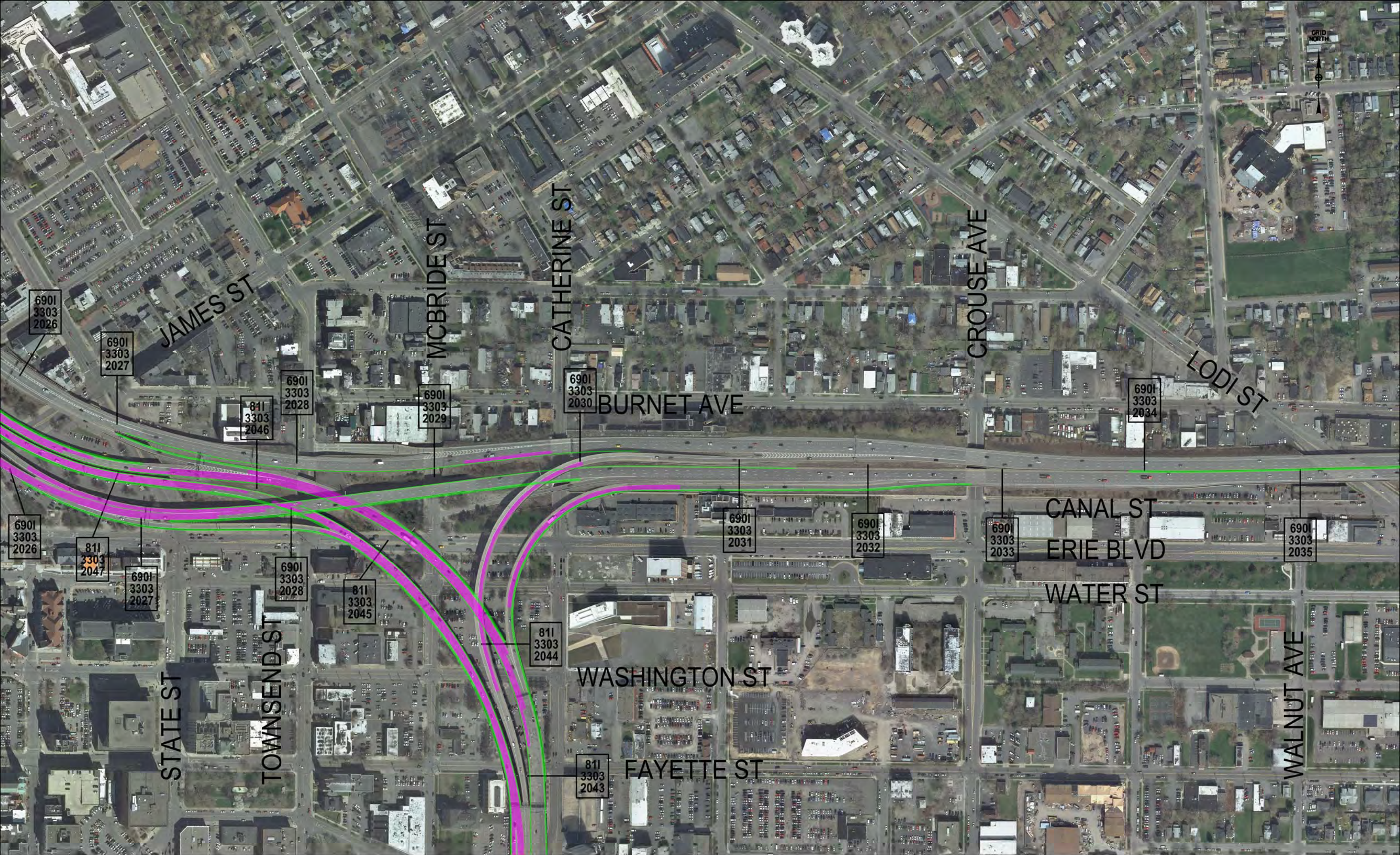


Legend:

- Shoulder Width
- Median Width
- Stopping Sight Distance
- Curve Radius
- Superelevation
- Vertical Grade











6901
3303
2046

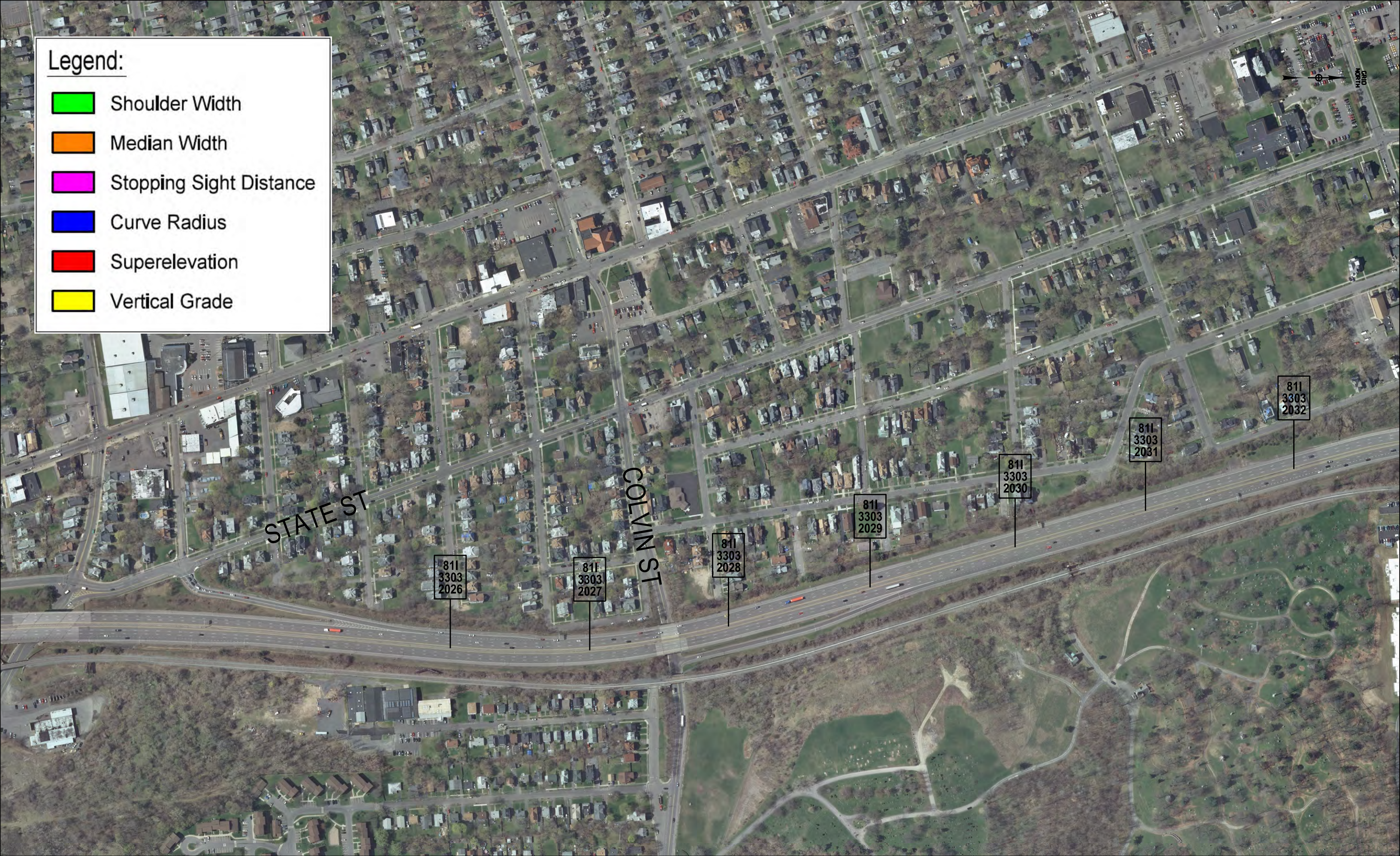
GRID
NORTH

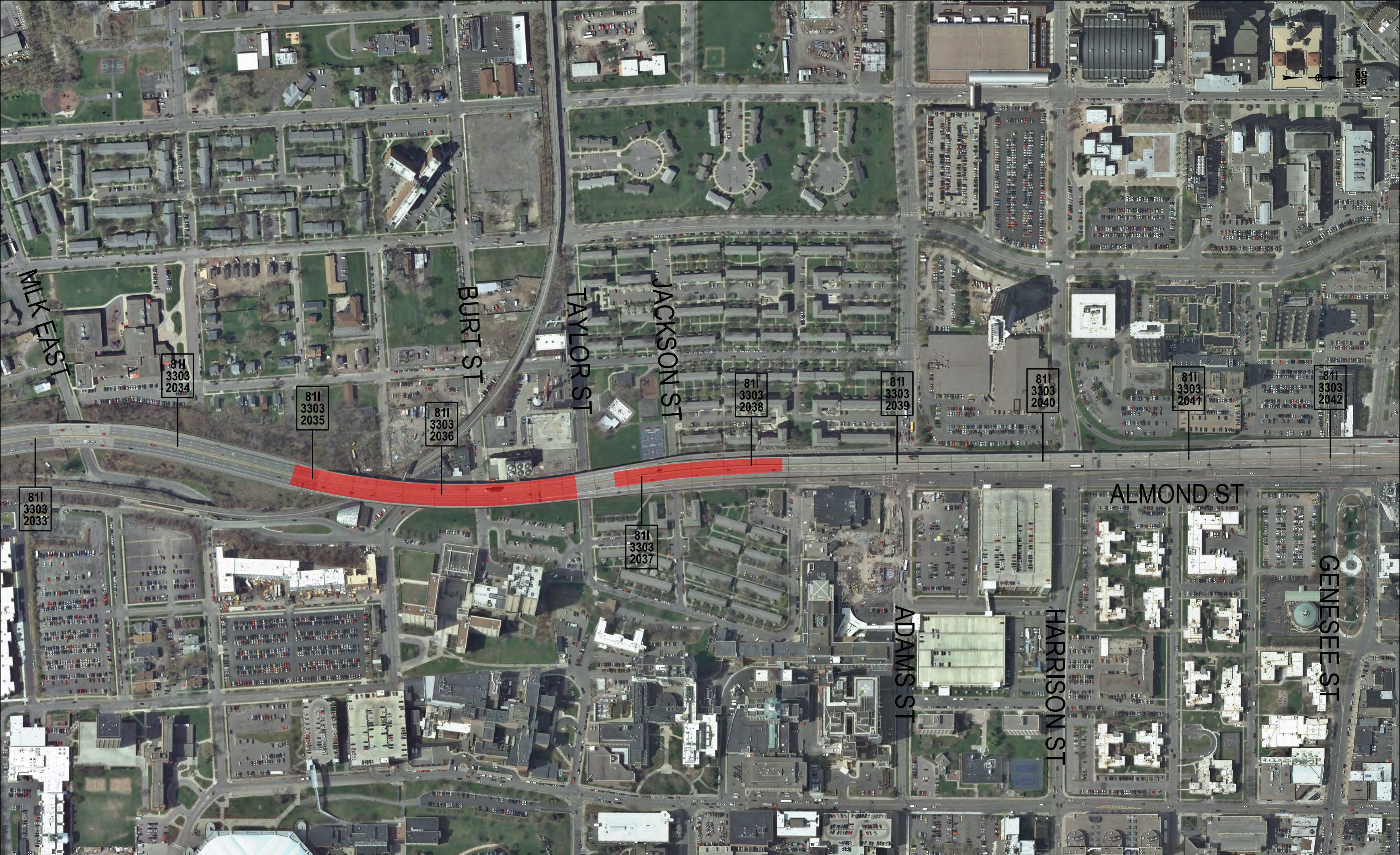
Figure 2B

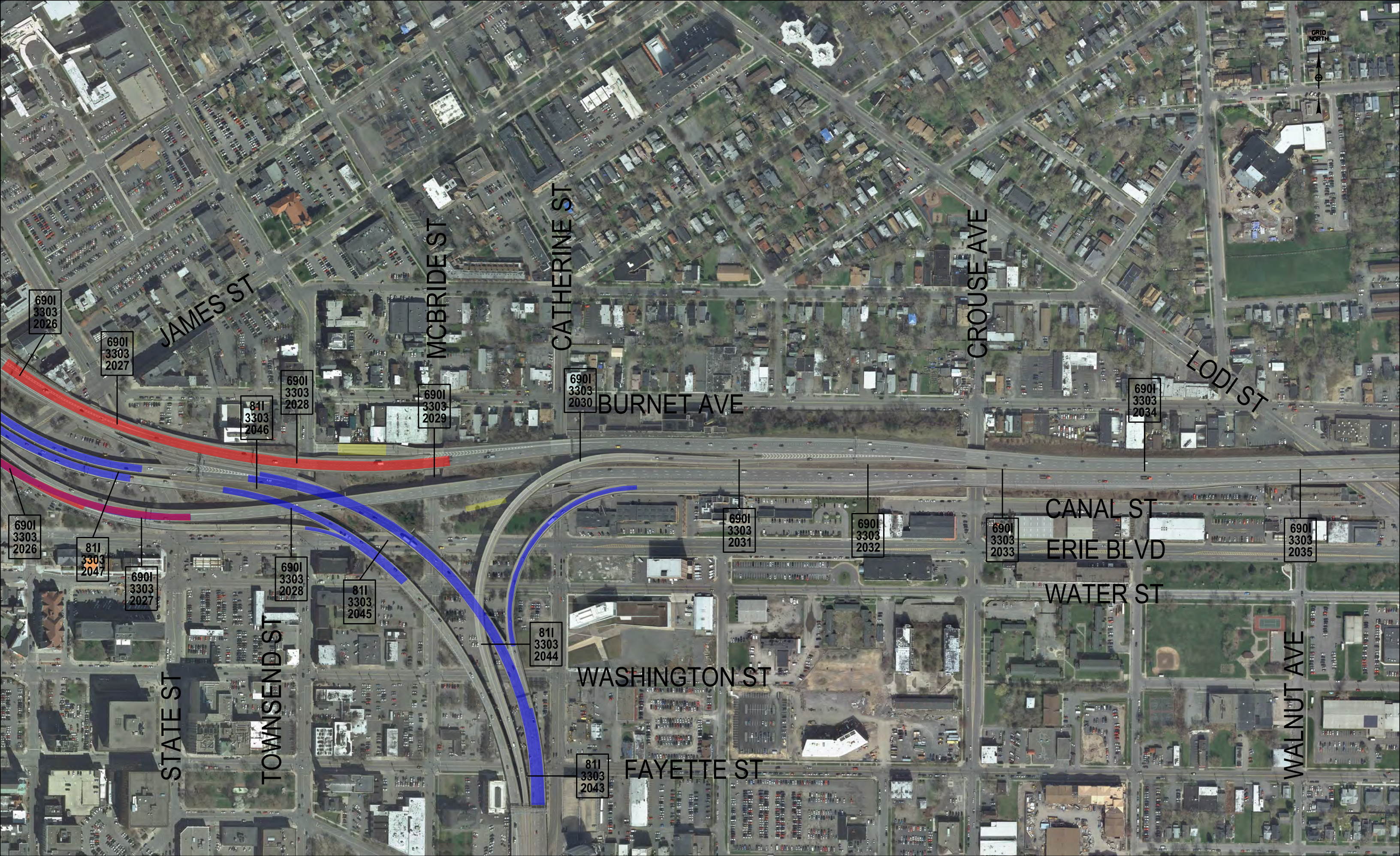
I-81 Viaduct Project – Non-Standard Curve Radius, Superelevation, and Vertical Grade

Legend:

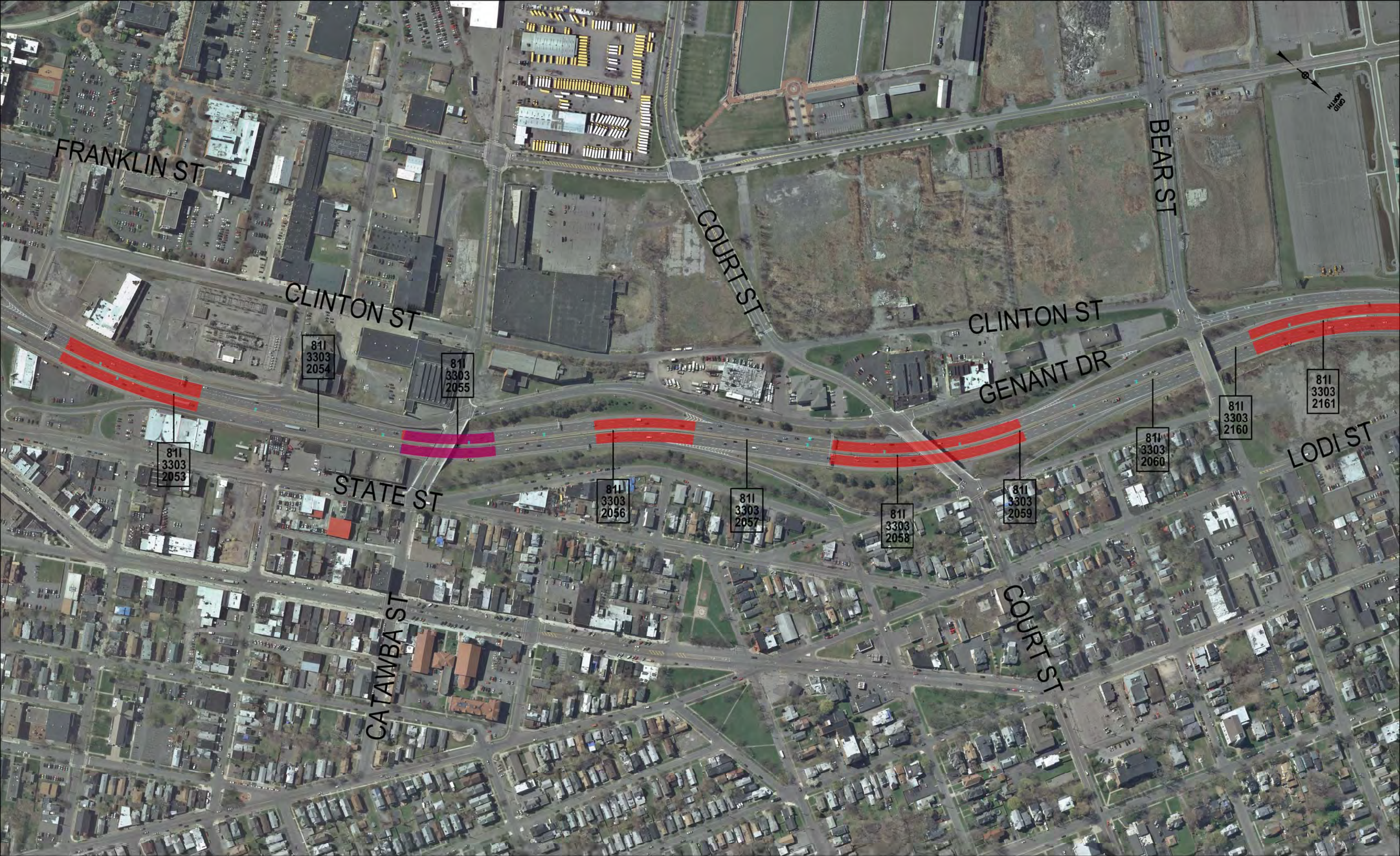
- Shoulder Width
- Median Width
- Stopping Sight Distance
- Curve Radius
- Superelevation
- Vertical Grade

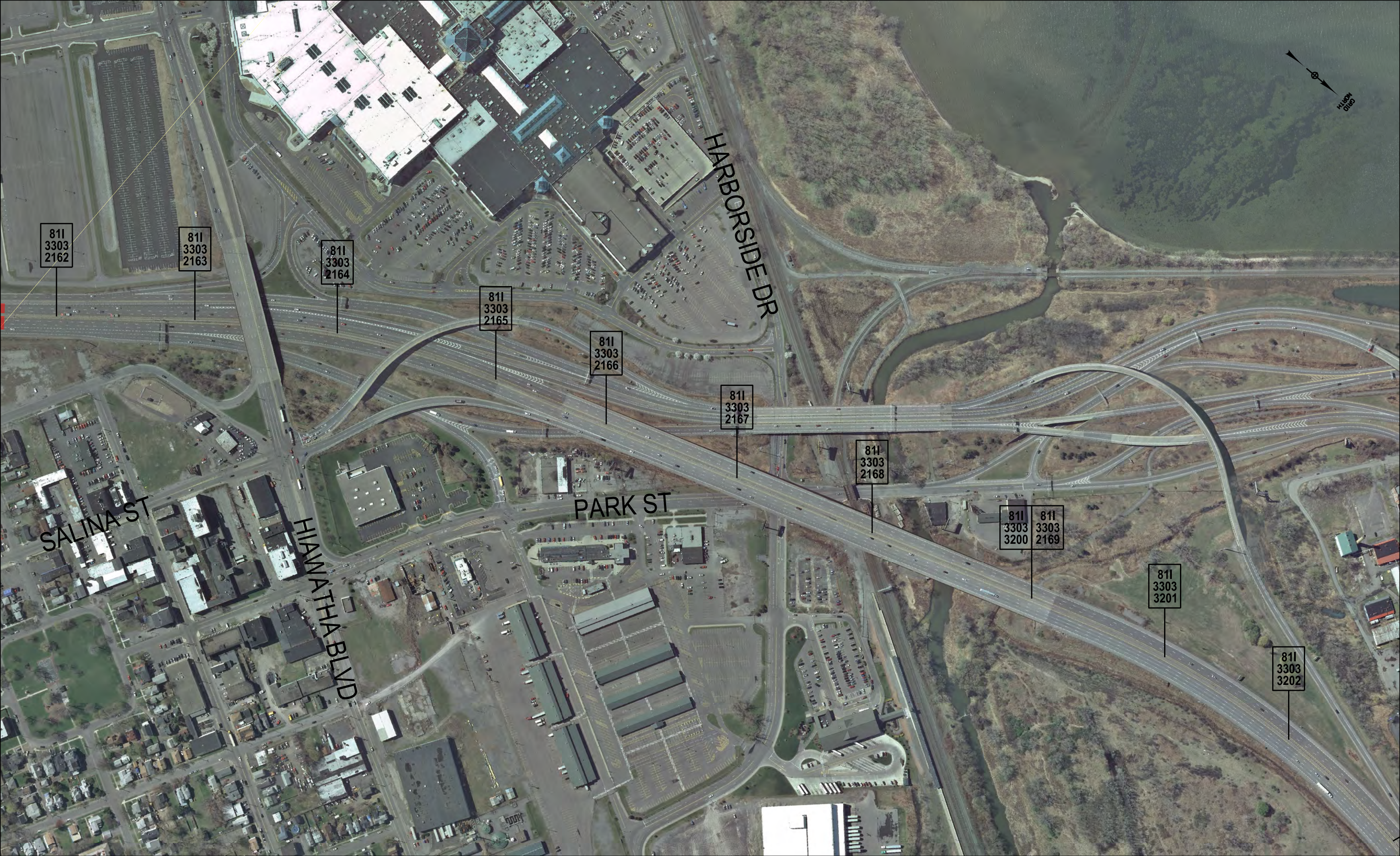












811
3303
2162

811
3303
2163

811
3303
2164

811
3303
2165

811
3303
2166

811
3303
2167

811
3303
2168

811
3303
3200

811
3303
2169

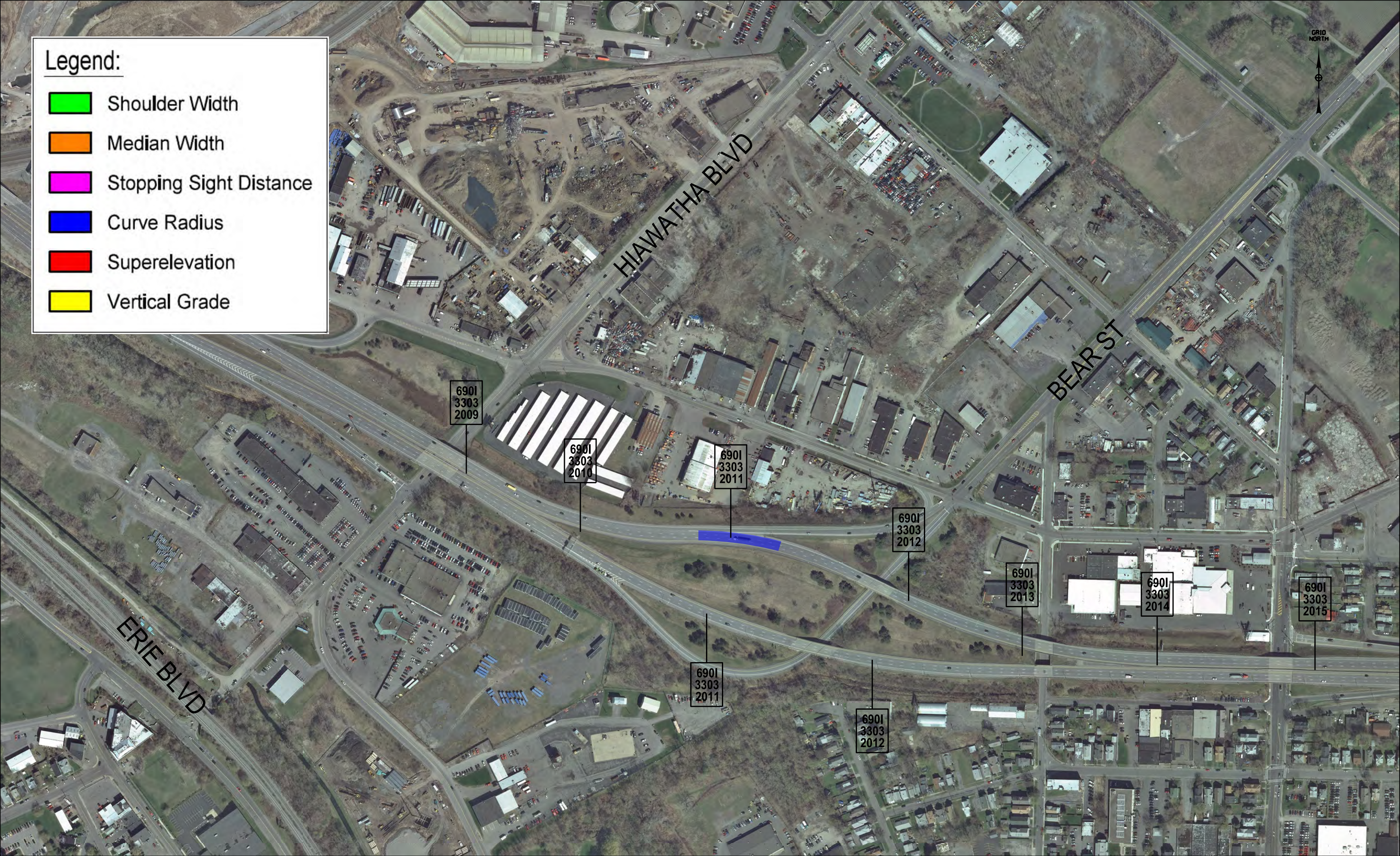
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3303
3201

811
3303
3202

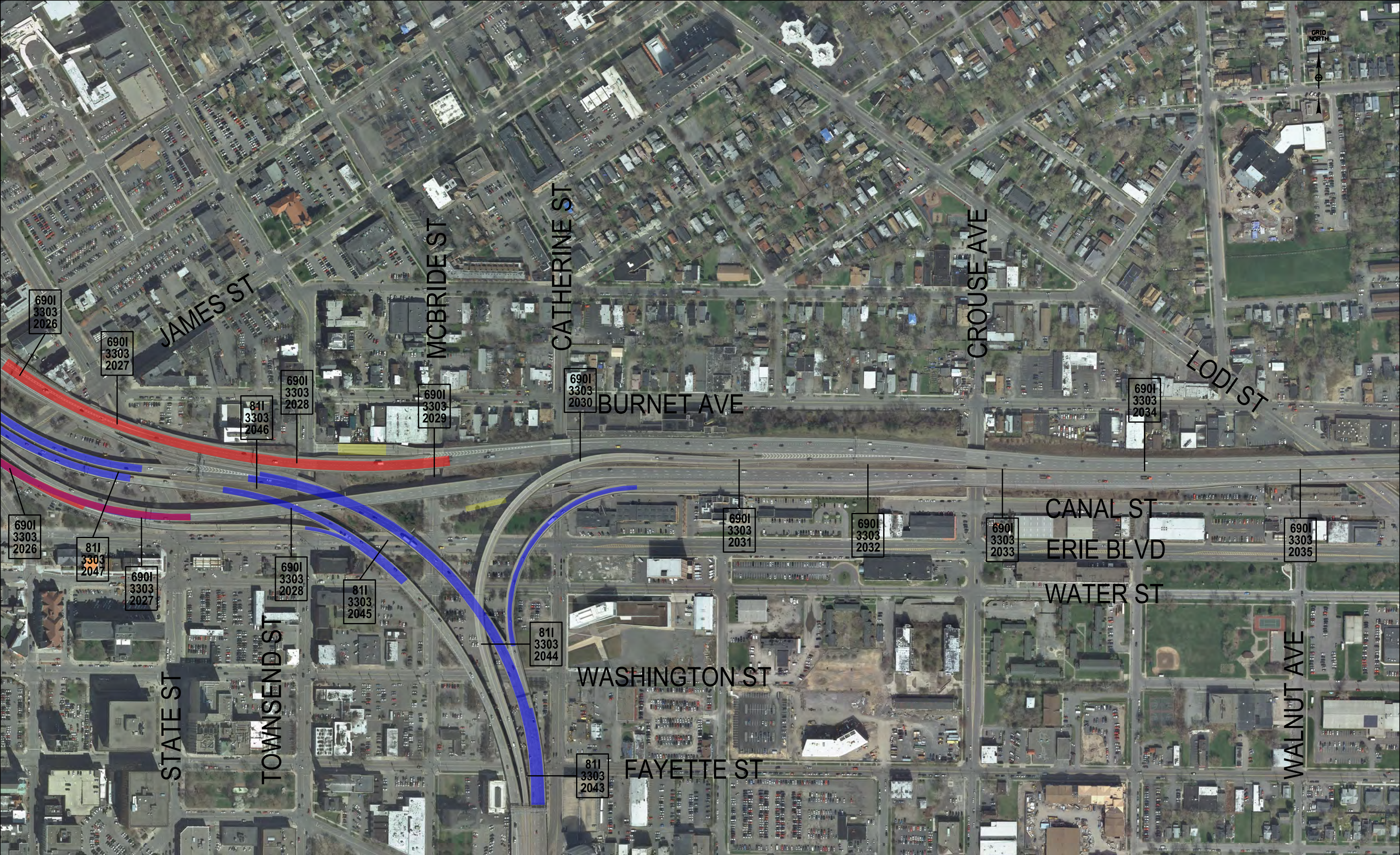


Legend:

- Shoulder Width
- Median Width
- Stopping Sight Distance
- Curve Radius
- Superelevation
- Vertical Grade











6901
3303
2046

GRID
NORTH

**Figure 3 – Total Number of S-Curve and Slalom Area Accidents for 3-Year Period
by I-81 Reference Marker**

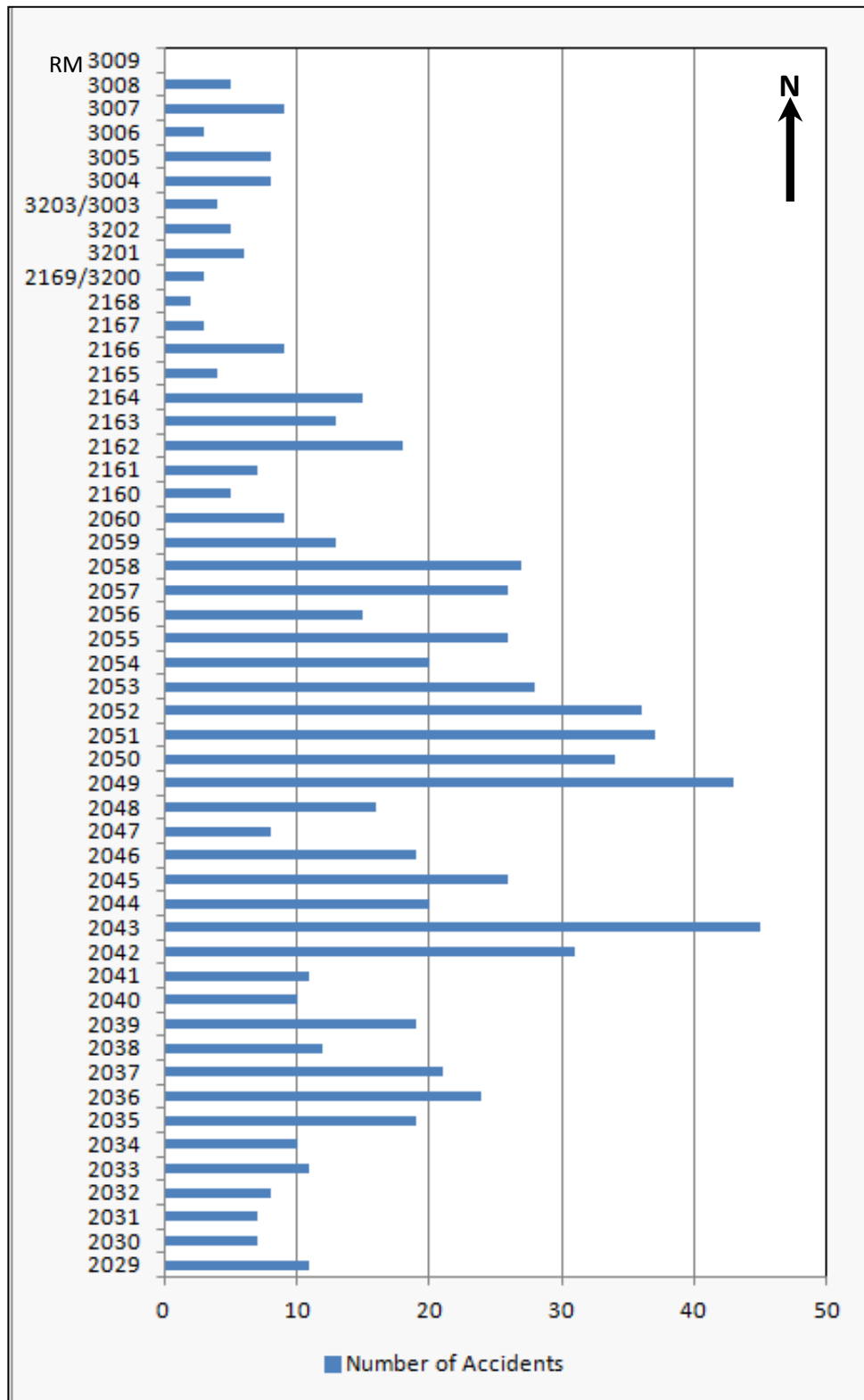


**Figure 4 – Total Number of S-Curve and Slalom Area Accidents for 3-Year Period
by I-690 Reference Marker**

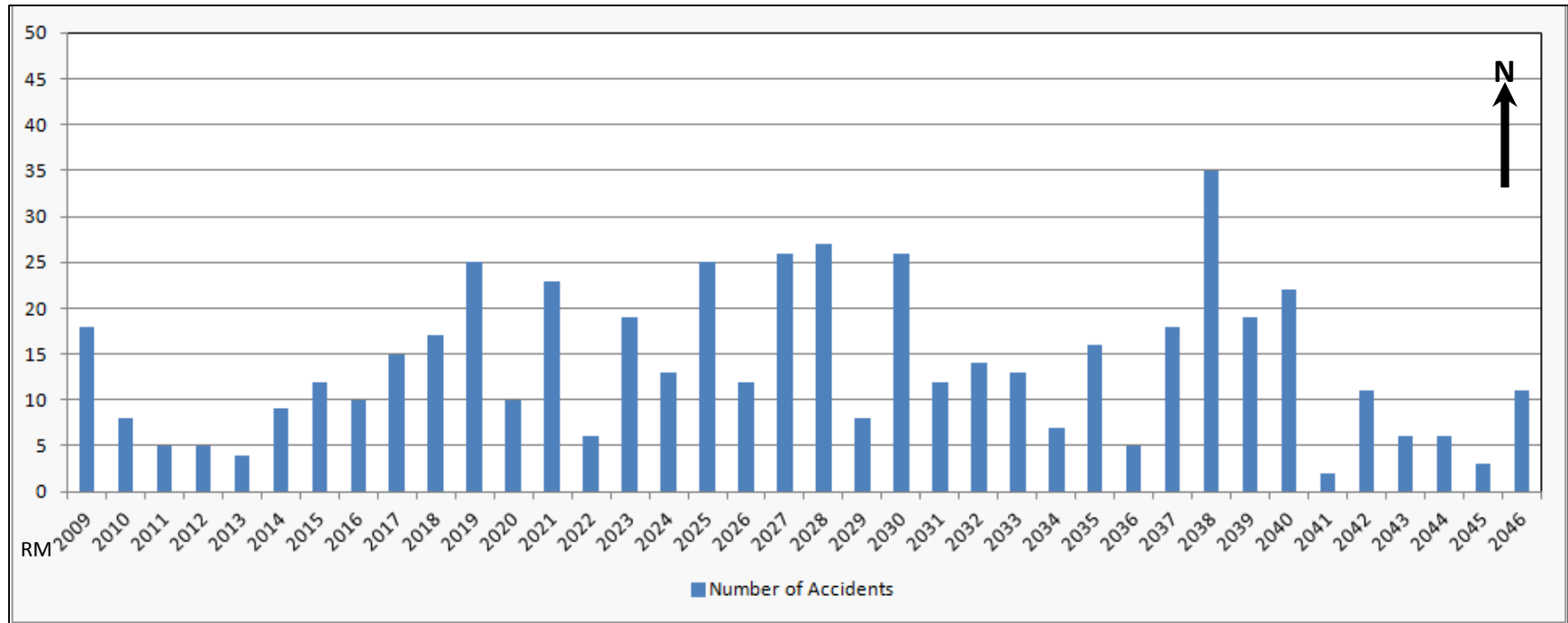
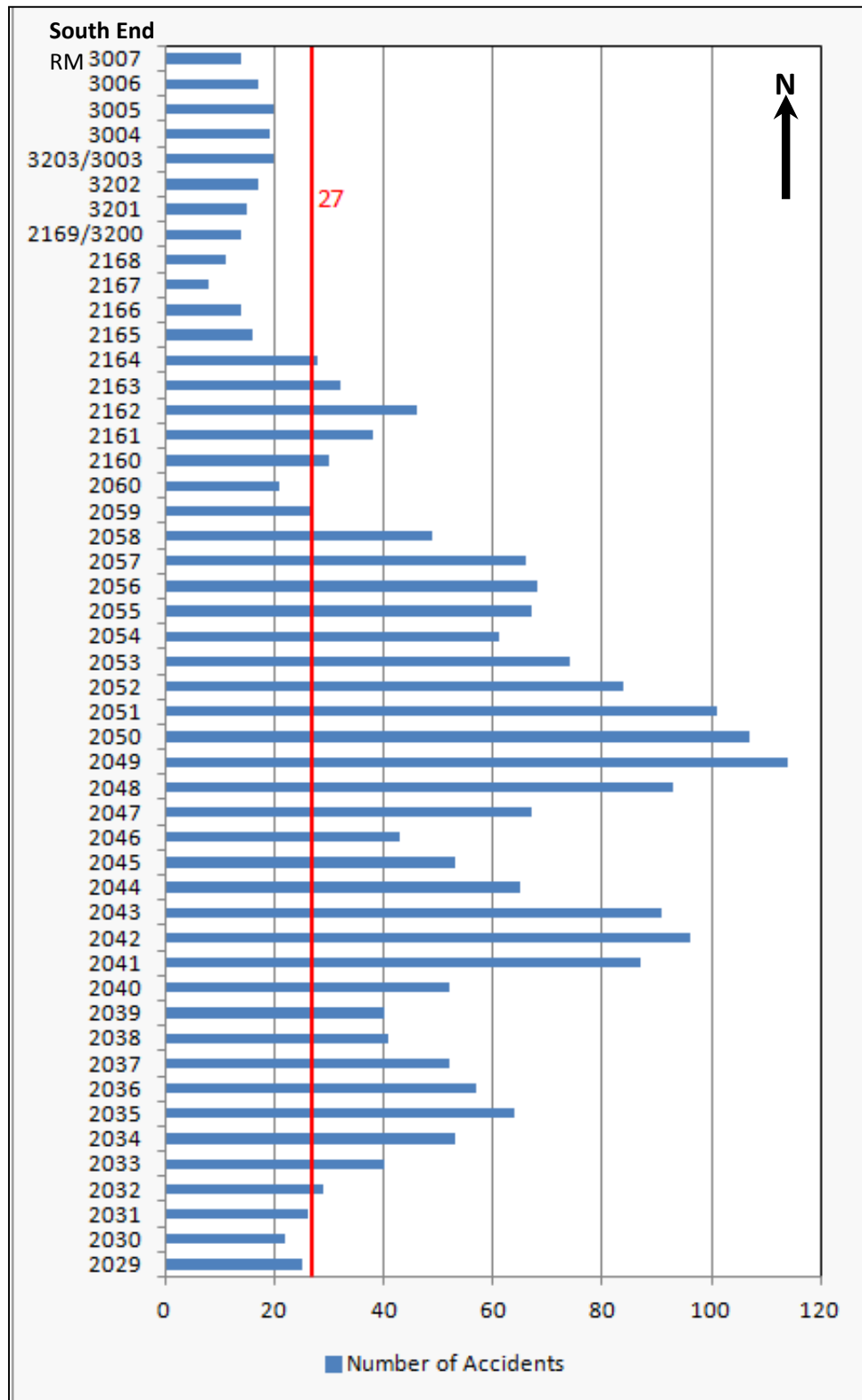
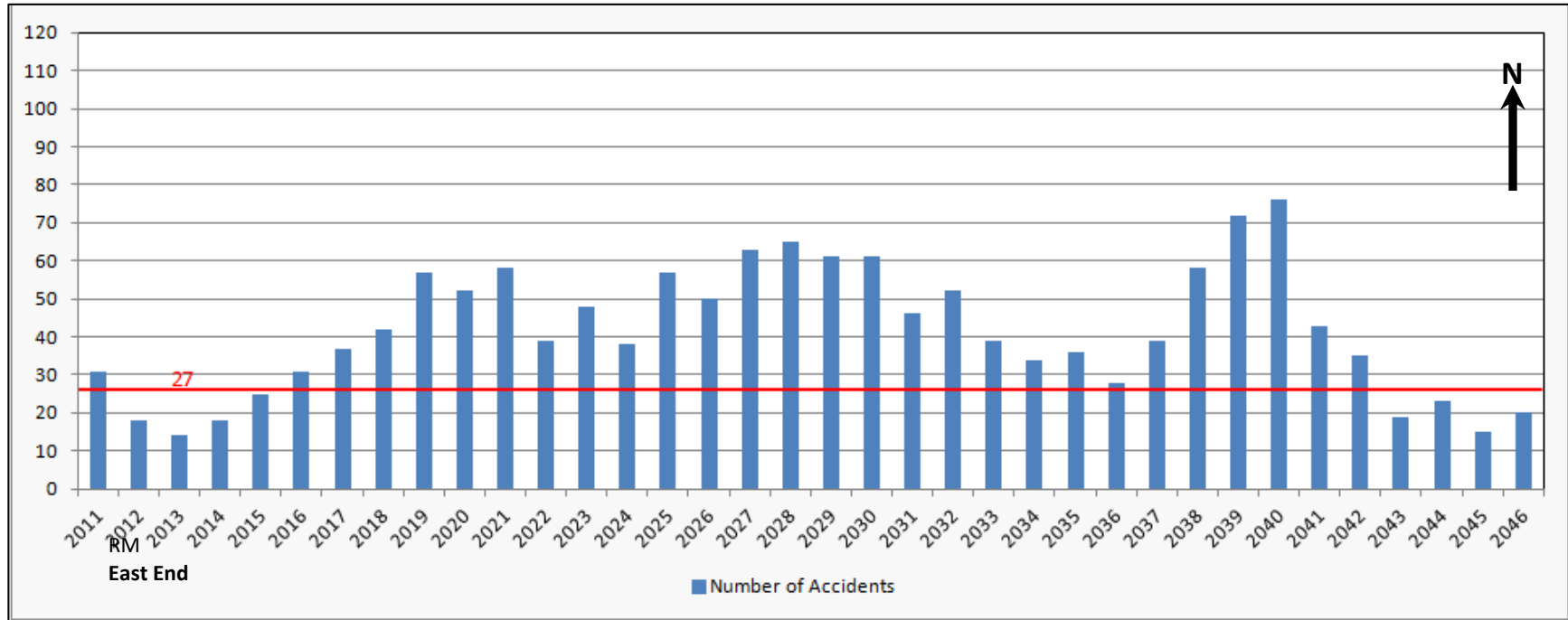


Figure 5 – Total Number of S-Curve and Slalom Area Accidents for 3-Year Period for Adjacent Three I-81 Reference Markers



Note: Based on information from NYSDOT's Safety Information Management System, for a roadway to qualify as an urban PIL in Region 3 (Syracuse), the minimum 0.3-mile segment (three adjacent reference markers) would experience 9 accidents per year or 27 accidents over the course of a 3-year period.

**Figure 6 – Total Number of S-Curve and Slalom Area Accidents for 3-Year Period
for Adjacent Three I-690 Reference Markers**



Note: Based on information from NYSDOT's Safety Information Management System, for a roadway to qualify as an urban PIL in Region 3 (Syracuse), the minimum 0.3-mile segment (three adjacent reference markers) would experience 9 accidents per year or 27 accidents over the course of a 3-year period.

**Figure 7 – Correlation of S-Curve and Slalom Area Accidents to Non-Standard/Non-Conforming Features
Accident Numbers for 3-Year Period by I-81 Reference Marker**

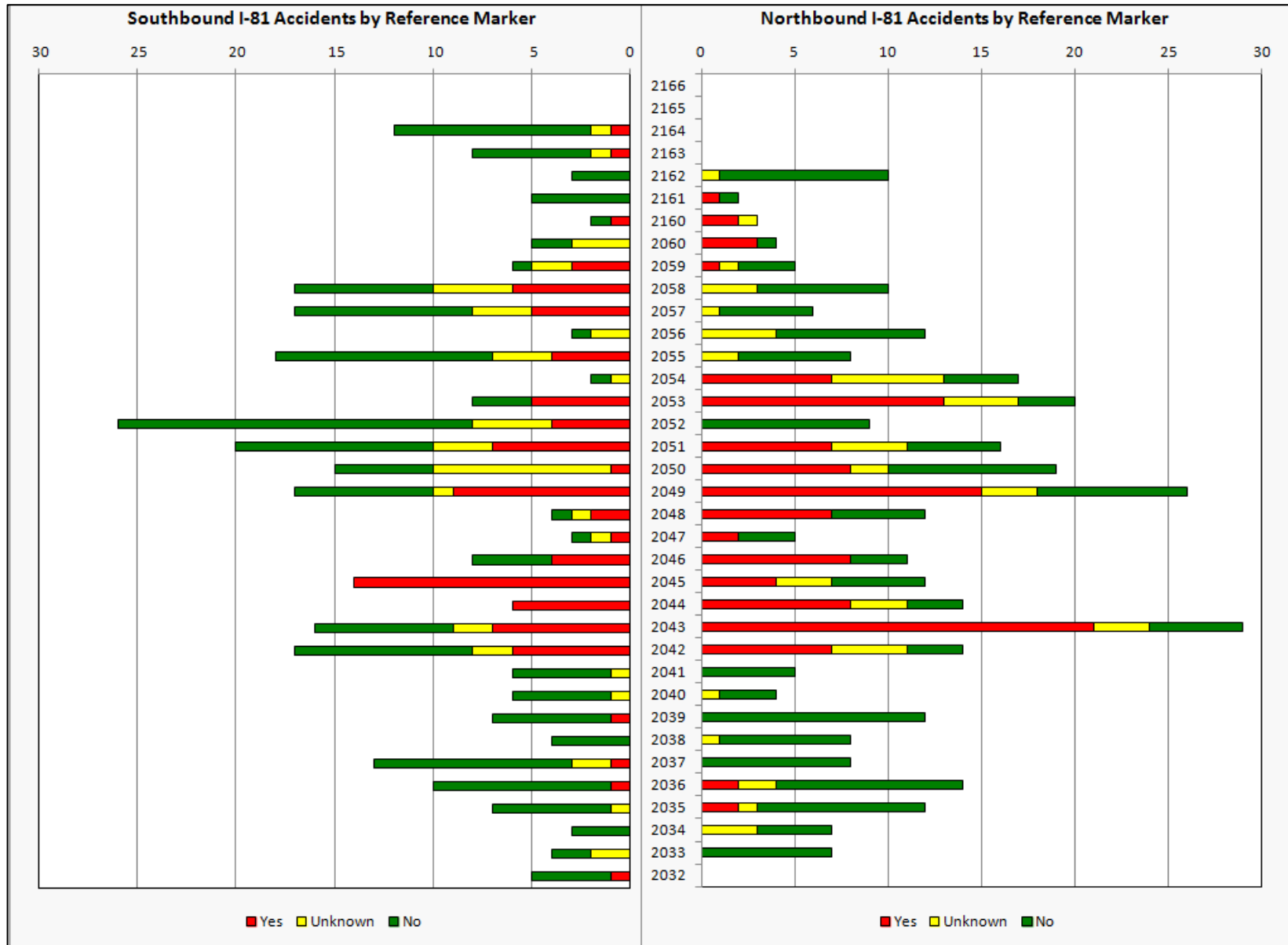
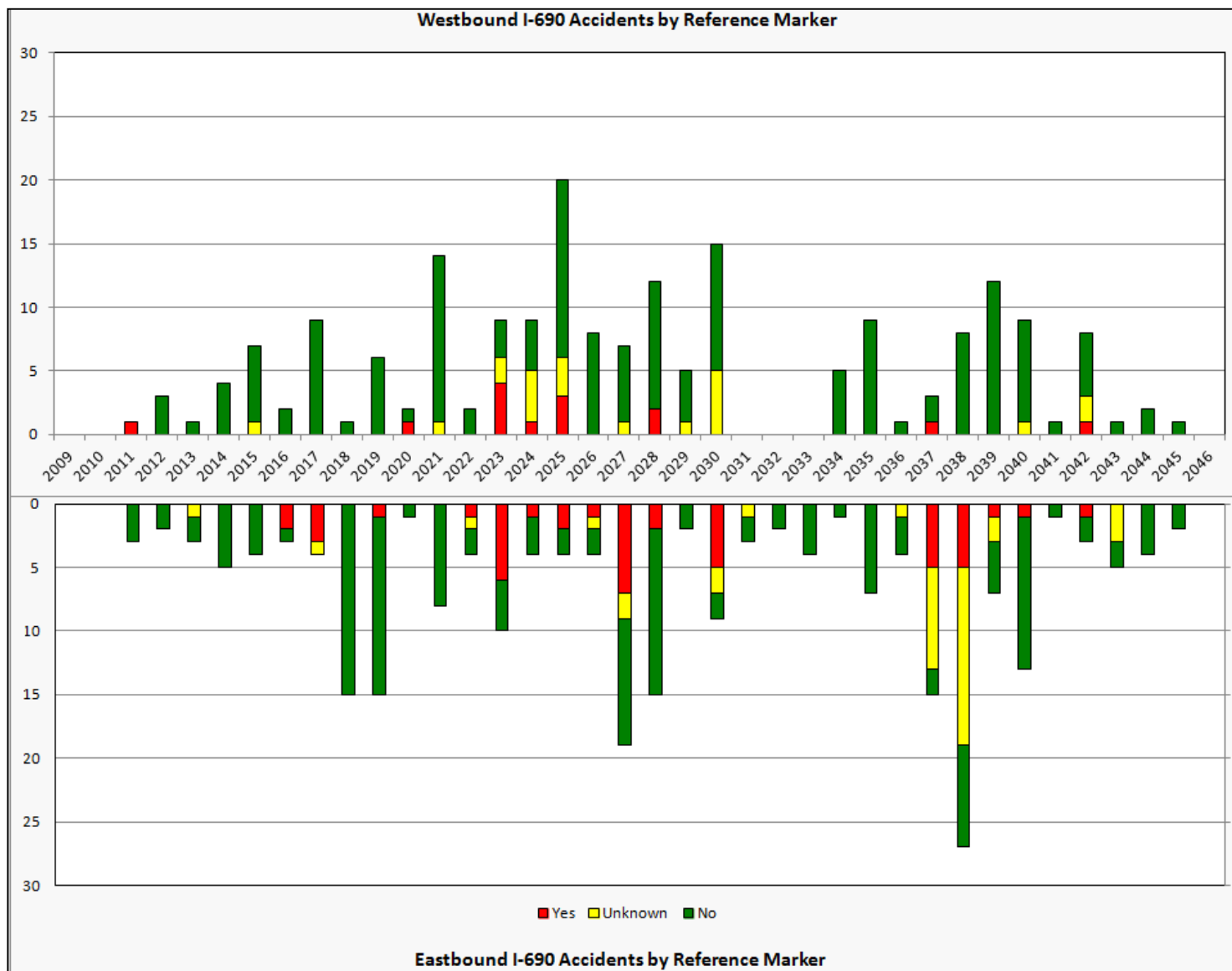


Figure 8 – Correlation of S-Curve and Slalom Area Accidents to Non-Standard/Non-Conforming Features
Accident Numbers for 3-Year Period by I-690 Reference Marker



I-81/I-481 “Northern Interchange”

I-81 Viaduct North Interchange Area – Syracuse, New York Preliminary Accident Analysis

Introduction

The I-81 viaduct “north interchange” area is the cloverleaf interchange of I-81 with NY 481/I-481 in North Syracuse (i.e., north of downtown Syracuse and north of the I-81 viaduct S-curve/slalom area). It includes the I-81 Interchange 29 and the NY 481/I-481 Interchange 9 – in the vicinities of Church Street and S. Bay and Thompson Roads. I-81 comprises the north and south legs of the north interchange area, extending from reference marker (RM) 81I 3303 3047 to RM 81I 3303 3066. The roadway is typically three lanes in each direction. NY 481 and I-481 comprise the west and east legs, respectively, of the north interchange area (i.e., the roadway’s jurisdiction changes from federal to state in the middle of the interchange). The NY 481 segment extends from RM 481 3301 1006 to RM 481 3301 1000 and then continues as the I-481 segment from RM 481I 3301 2145 to RM 481I 3301 2135. Both NY 481 and I-481 are typically two lanes in each direction. Although ramps at the interchange have their own reference markers, all ramp accidents were coded to the nearest mainline reference marker for the purposes of this preliminary analysis.

Accident data for the north interchange area was provided by NYSDOT. There were 295 accidents initially coded to the area for the three-year period from July 1, 2010 through June 30, 2013. Upon review of the accident data for this and other critical I-81 viaduct project area locations, 293 accidents were found to have actually occurred in the vicinity of the interchange – 151 on I-81, 84 on NY 481, 45 on I-481, and 13 with reference markers unknown. Graphs of the total number of known accidents by reference marker for each of the I-81 and NY 481/I-481 study segments (the applicable travel directions for each segment combined) are provided in Figure 1.

The total numbers of accidents for adjacent three reference markers (i.e., the minimum 0.3-mile length needed for a segment to qualify as a Priority Investigation Location (PIL) according to NYSDOT standards) are provided in Figure 2. As indicated in the figure, the roadway segments within or immediately adjacent to the interchange meet the NYSDOT threshold of 27 accidents (i.e., 9 per year) needed for an urban full-access controlled facility to qualify as a PIL in Region 3. The accident rates along all roadway segments in the interchange area are higher than the statewide averages for similar facilities. The accident rate on the I-81 segment (for all accident types and both travel directions combined) was calculated to be 1.24 accidents per million vehicle miles (ACC/MVM), which is 1.14 times the statewide average of 1.09 ACC/MVM; the rate along NY 481 was calculated to be 2.11 ACC/MVM, which is 1.94 times the statewide average; and the rate along I-481 was calculated to be 1.11, which is 1.02 times the statewide average. It should be noted that accident numbers north and east of the interchange drop significantly.

Detailed Non-Standard/Non-Conforming Features Analysis

Numerous non-standard features (i.e., shoulder widths, median widths, vertical grades, superelevations, curve radii, and stopping sight distances) and non-conforming features (i.e., sub-standard acceleration and deceleration lengths and ramp-to-ramp spacings) were identified in the I-81 Viaduct project area. The locations of the non-standard/non-conforming features were detailed in a previous planning study and were spot-checked in the field for this project. There are no non-conforming features in the north interchange area. However, as shown in Figure 3, there are various non-standard features – the most common of which is non-standard superelevation on the area roadways, including some ramps. It should be noted, however, that significant portions of the study area north and east of the interchange do not have any non-standard features and were not identified to have high accident numbers. For this reason, further

Figure 1 – Total Number of Accidents for 3-Year Period by Reference Marker

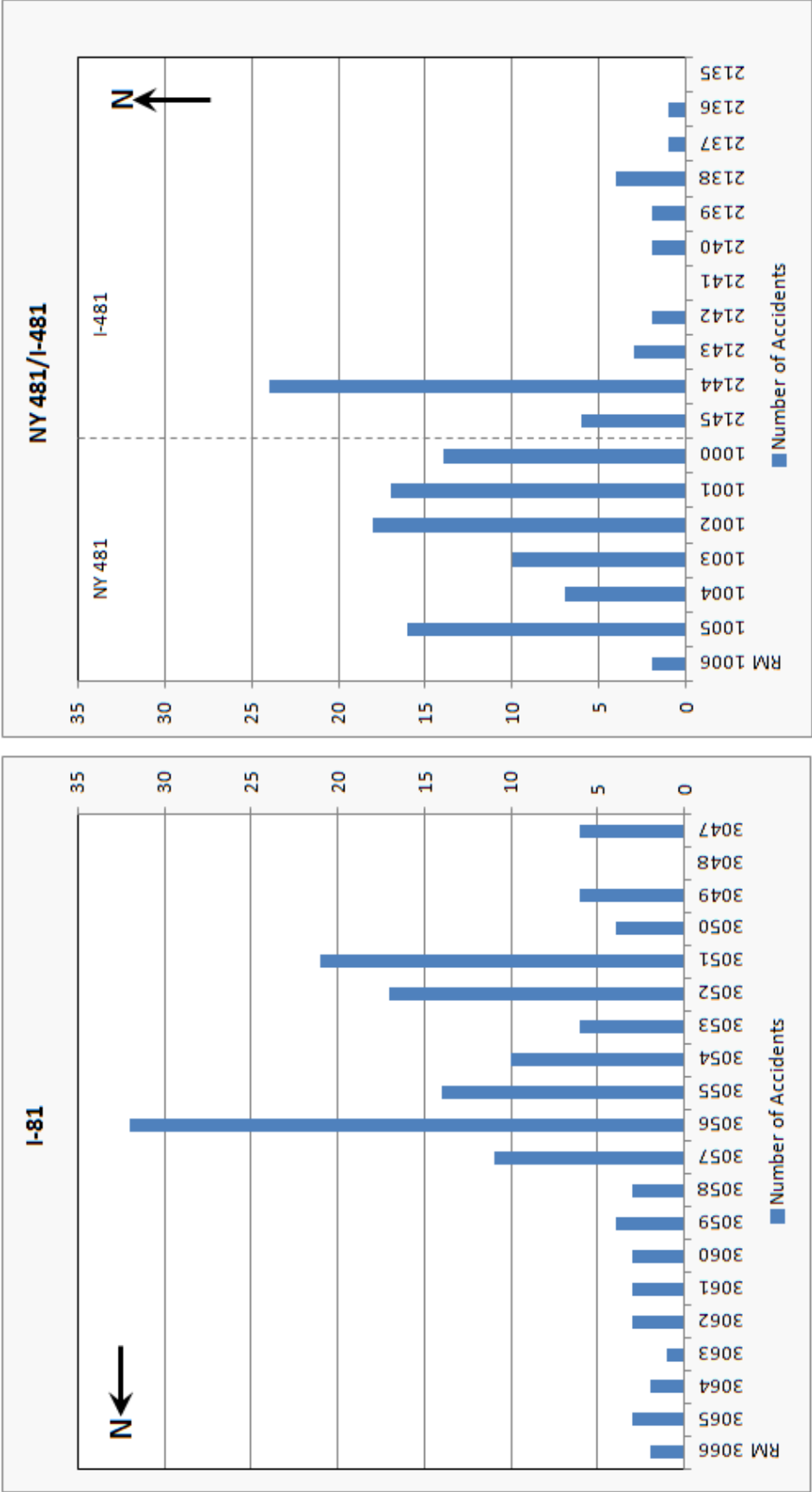


Figure 2 – Total Number of Accidents for 3-Year Period for Adjacent 3 Reference Markers

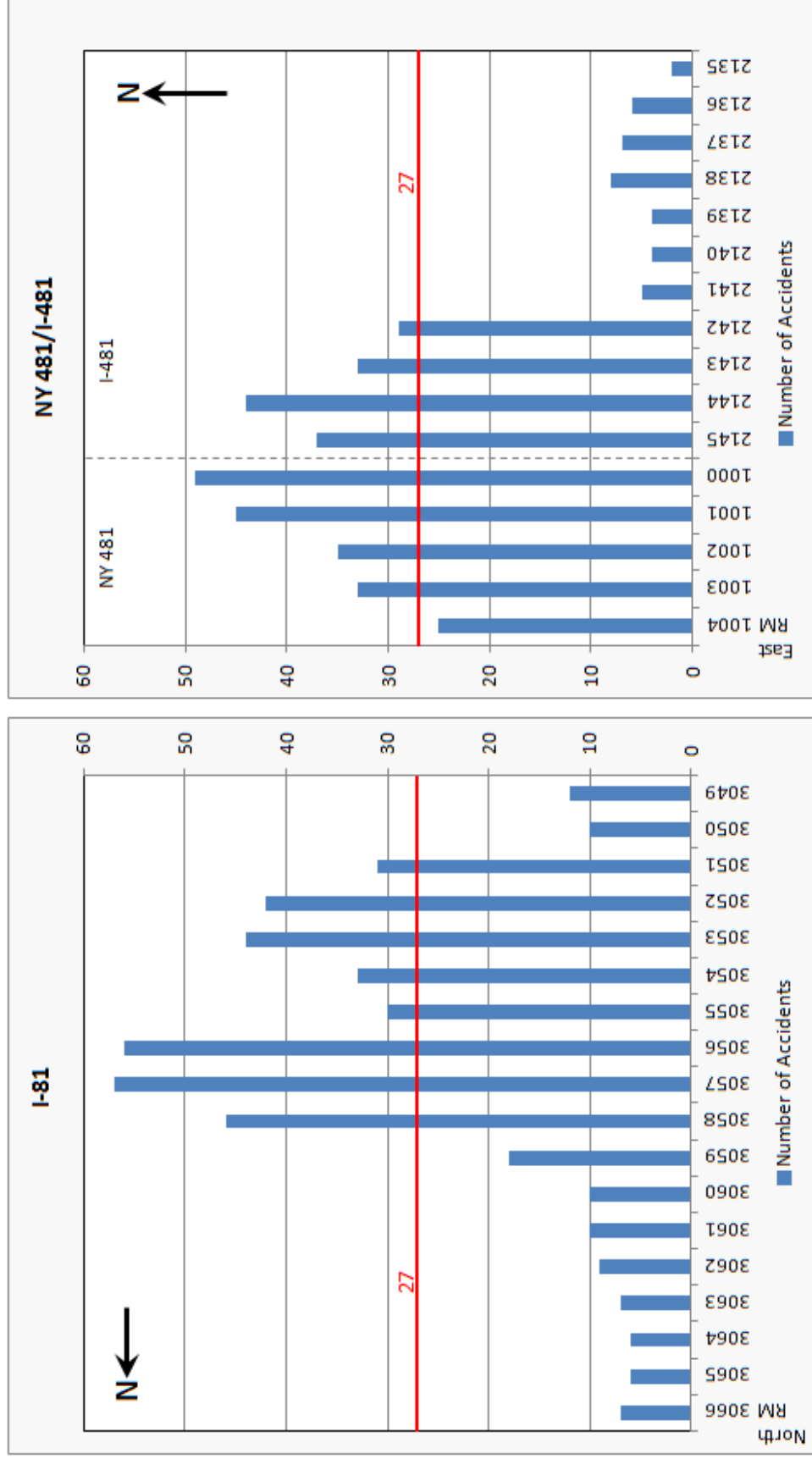


Figure 3

I-81 Viaduct Project – Non-Standard Features



Legend:

- █ Shoulder Width
- █ Median Width
- █ Stopping Sight Distance
- █ Curve Radius
- █ Superelevation
- █ Vertical Grade

VALENTINE DR.

CHURCH ST

811
3303
3047

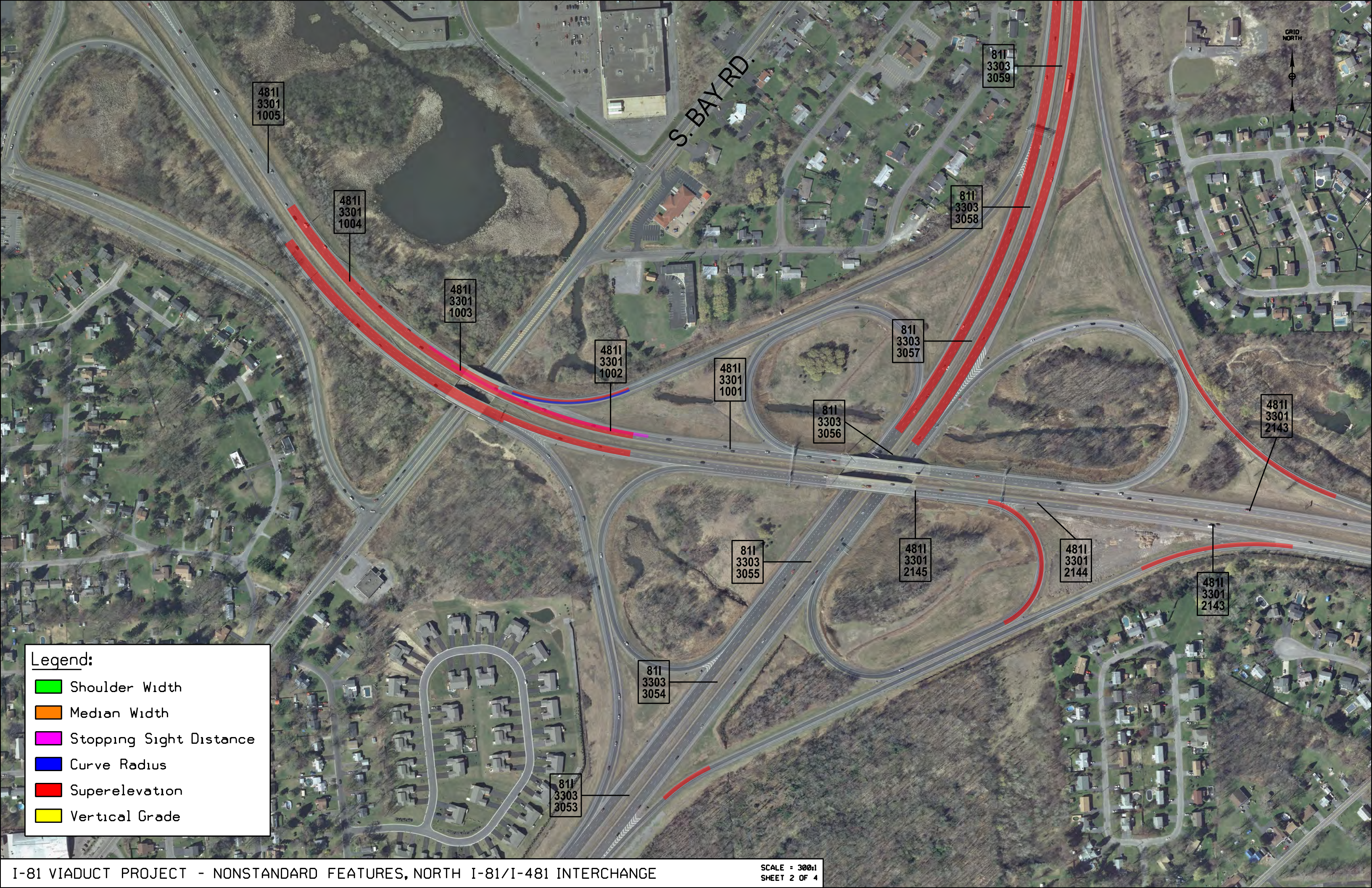
811
3303
3048

811
3303
3049

811
3303
3050

811
3303
3051

811
3303
3052



Legend:

- Shoulder Width
- Median Width
- Stopping Sight Distance
- Curve Radius
- Superelevation
- Vertical Grade



Legend:

- Shoulder Width
- Median Width
- Stopping Sight Distance
- Curve Radius
- Superelevation
- Vertical Grade

4811
3301
2142

4811
3301
2141

4811
3301
2140

4811
3301
2139

4811
3301
2138

4811
3301
2137

4811
3301
2136

4811
3301
2135

4811
3301
2134

4811
3301
2141

4811
3301
2140

4811
3301
2139

4811
3301
2138

4811
3301
2137

4811
3301
2136

4811
3301
2135

4811
3301
2134

THOMPSON RD.

SMITH RD.



CRD
NORTH

811
3303
3060

811
3303
3061

811
3303
3062

811
3303
3063

811
3303
3064

811
3303
3065

Legend:

- Shoulder Width
- Median Width
- Stopping Sight Distance
- Curve Radius
- Superelevation
- Vertical Grade

S. BAY RD.

examination of the correlation of accidents to non-standard features in the north interchange area is limited to I-81 between RM 3047 and RM 3060, NY 481 between RM 1005 and RM 1000, and I-481 between RM 2145 and RM 2142.

There were a total of 253 accidents in the modified study area during the three-year accident analysis period. However, non-standard features may differ by direction, and some combinations of reference markers and directions do not have any non-standard features. Because of this, only 100 accidents (61 along I-81, 30 along NY 481, and 9 along I-481) were identified to have actually occurred in areas with non-standard features. An examination of police accident reports indicates that only 8 of the known 100 accidents were likely attributable to a non-standard feature. Instead, the accidents occurred due to a variety of other factors, including speeding, unsafe lane changing, peak-hour congestion at ramps, animals in the roadway, debris in the roadway, inclement weather conditions, etc. A summary of the correlation of accidents to non-standard features is provided in the table below, and detailed information by reference marker for the I-81 and NY 481/I-481 corridors is provided in Figures 4 and 5, respectively. As shown in the figures, all 11 accidents that were identified to be related to, including the 3 that could not be eliminated from being related to, non-standard features were approaching or near ramps. All but one of the 9 accidents along I-81 were attributed to non-standard sight distance, while both of the accidents on NY 481 were attributed to non-standard curve radius and/or superelevation. Details of the critical accident locations with non-standard features are provided in the following sections.

I-81

Southbound

No	26	84%
Yes	4	13%
Unknown	1	3%

Total 31

Northbound

No	26	86%
Yes	2	7%
Unknown	2	7%

Total 30

NY 481/I-481

Westbound

No	10	83%
Yes	2	17%
Unknown	0	0%

Total 12

Eastbound

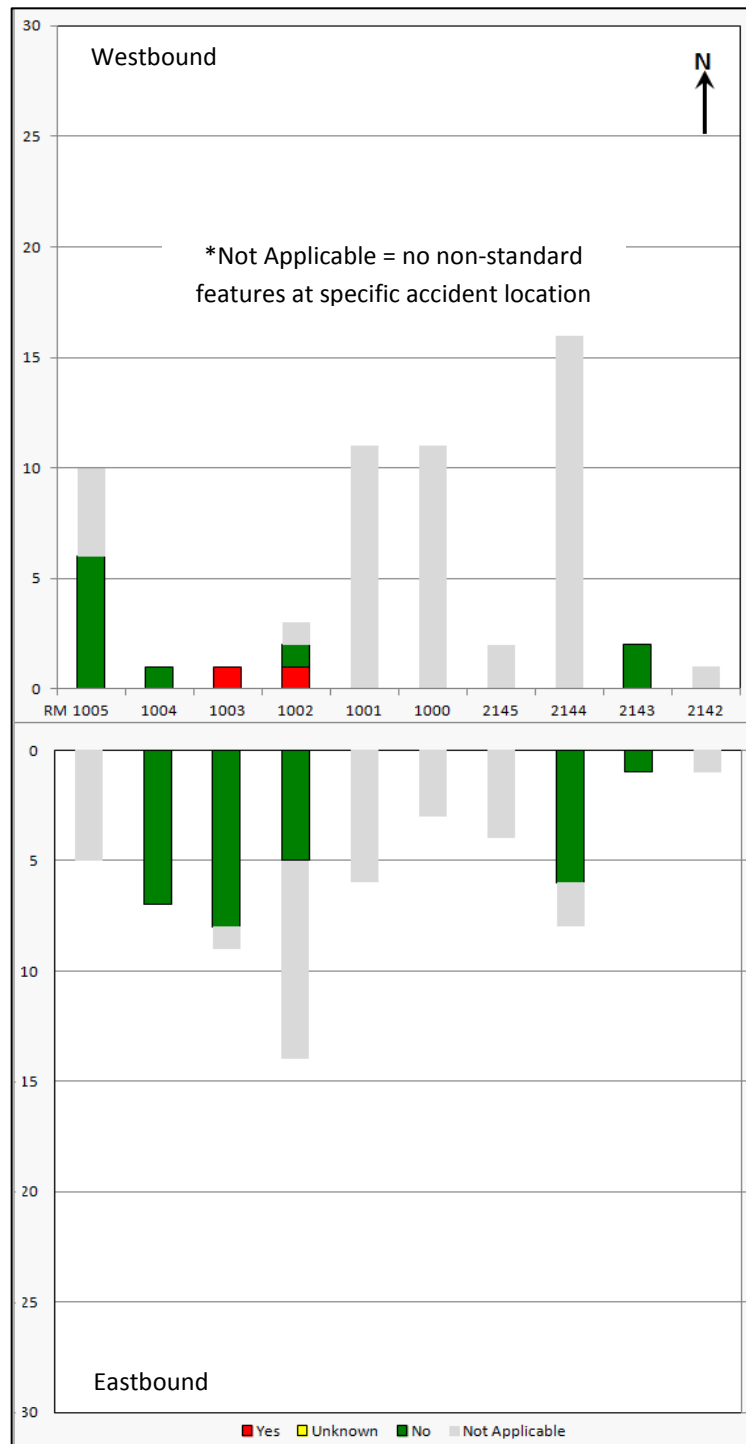
No	27	100%
Yes	0	0%
Unknown	0	0%

Total 27

Figure 4 – Correlation of Total Number of Accidents for 3-Year Period to Non-Standard Features by I-81 Reference Marker



Figure 5 – Correlation of Total Number of Accidents for 3-Year Period to Non-Standard Features by NY 481/I-481 Reference Marker



Northbound I-81 RM 3049 to RM 3051: Approaching the I-481 Southbound Off-Ramp

15 total accidents

- 2 potentially attributable to non-standard features
- 2 unknown/could be attributable to non-standard features
- 11 not attributable to non-standard features

Of the 4 accidents that may have been attributable to non-standard features,

- all were rear-end.
- all were property-damage-only (PDO).
- 3 occurred during the weekday evening commuter peak period.

The primary geometric feature that could be contributing to accidents in the area is non-standard sight distance on the curve approaching the off-ramp. A horizontal alignment change to meet sight distance standards (i.e., C 40, according to NYSDOT's July 2013 PIES – Reduction Factor Report) would result in approximately a 30 percent decrease in related accidents – a reduction of 0.3 accident at RM 3049, 0.3 accident at RM 3050, and 0.6 accident at RM 3051.

Southbound I-81 RM 3056: At the I-481 Northbound On-Ramp

4 total accidents

- 1 potentially attributable to non-standard features
- 3 not attributable to non-standard features

The 1 accident that may have been attributable to non-standard features was an overtake accident that resulted in injury. It occurred in the mainline transition from a curved to straight segment and could have been related to non-standard superelevation in the area. An upgrading of superelevation to standards (C 43 in the PIES – Reduction Factor Report) would result in a 48 percent decrease in related accidents – a reduction of 0.48 accident at RM 3056.

Southbound I-81 RM 3052 to RM 3051: At the NY 481 Southbound On-Ramp

13 total accidents

- 3 potentially attributable to non-standard features
- 1 unknown/could be attributable to non-standard features
- 9 not attributable to non-standard features

Of the 4 accidents that may have been attributable to non-standard features,

- 2 were rear-end, 1 was overtake, and 1 was fixed-object.
- 3 resulted in injury, and 1 was PDO.
- 3 occurred in snow or heavy rain.
- 1 occurred during the weekday morning, and 2 during the weekday evening, commuter peak period.

The primary geometric feature that could be contributing to accidents in the area is non-standard sight distance on the mainline in the vicinity of the on-ramp merge. A horizontal alignment change to meet sight distance standards (i.e., C 40 in the PIES – Reduction Factor Report) would result in approximately a 30 percent decrease in accidents in the area – a reduction of 0.6 accident each at RM 3052 and RM 3051.

Westbound NY 481 RM 1002 to RM 1003: At the I-81 Southbound On-Ramp

3 total accidents

- 2 potentially attributable to non-standard features
- 1 not attributable to non-standard features

Of the 2 accidents that may have been attributable to non-standard features,

- both were fixed-object.
- both were PDO.
- both occurred on slippery roadway.
- 1 occurred during the late weekday morning, and 1 during the late weekday evening, commuter peak period.

The primary geometric features that could be contributing to accidents in the area are non-standard curve radius and superelevation on the on-ramp. A horizontal alignment change to meet standards (i.e., C 40 in the PIES – Reduction Factor Report)) would result in approximately a 30 percent decrease in accidents in the area – a reduction of 0.3 accident at RM 1002 on the ramp and of 0.3 accident at RM 1003 near the end of the ramp.

Conclusion

There were 293 accidents in the I-81 viaduct north interchange area during the three-year analysis period – 151 on I-81, 84 on NY 481, 45 on I-481, and 13 with reference markers unknown. However, only 100 of these accidents occurred in areas with non-standard features, and only 11 of the accidents were found to be, or could not be eliminated from being, attributable to non-standard features. Instead, most of the accidents along the area roadways occurred due to a variety of other factors, including speeding, unsafe lane changing, peak-hour congestion, animals in the roadway, debris in the roadway, inclement weather conditions, etc. Although the types of, severities of, and contributing factors to the 11 accidents that were likely related to non-standard features varied by location, the primary contributing factors were non-standard sight distance, superelevation, and curve radius. Based on accident reduction data provided in NYSDOT's latest PIES – Reduction Factor Report, correcting the contributing non-standard features would decrease the number of accidents during a three-year period in the area by approximately 3.5. This would reduce the 100 accidents that were found to occur in locations with non-standard features by 3.5 percent.

Graphs comparing the three-year accident numbers for existing conditions and for future conditions with the elimination of non-standard features are provided for the critical I-81 and NY 481/I-481 segments of the north interchange area in Figures 6 and 7 respectively.

**Figure 6 – Total Number of Accidents for 3-Year Period
Before and After Geometric Improvements by I-81 Reference Marker**

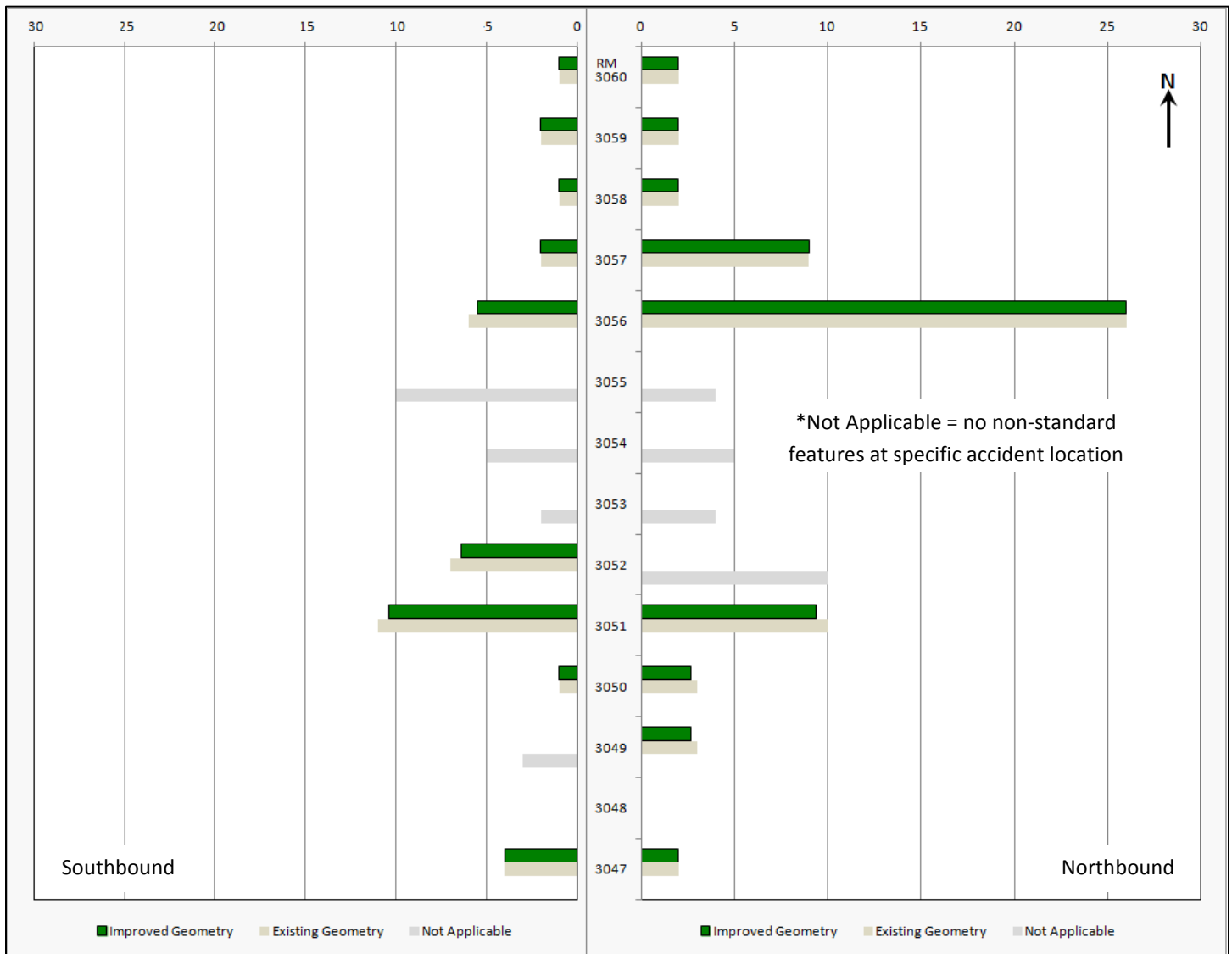
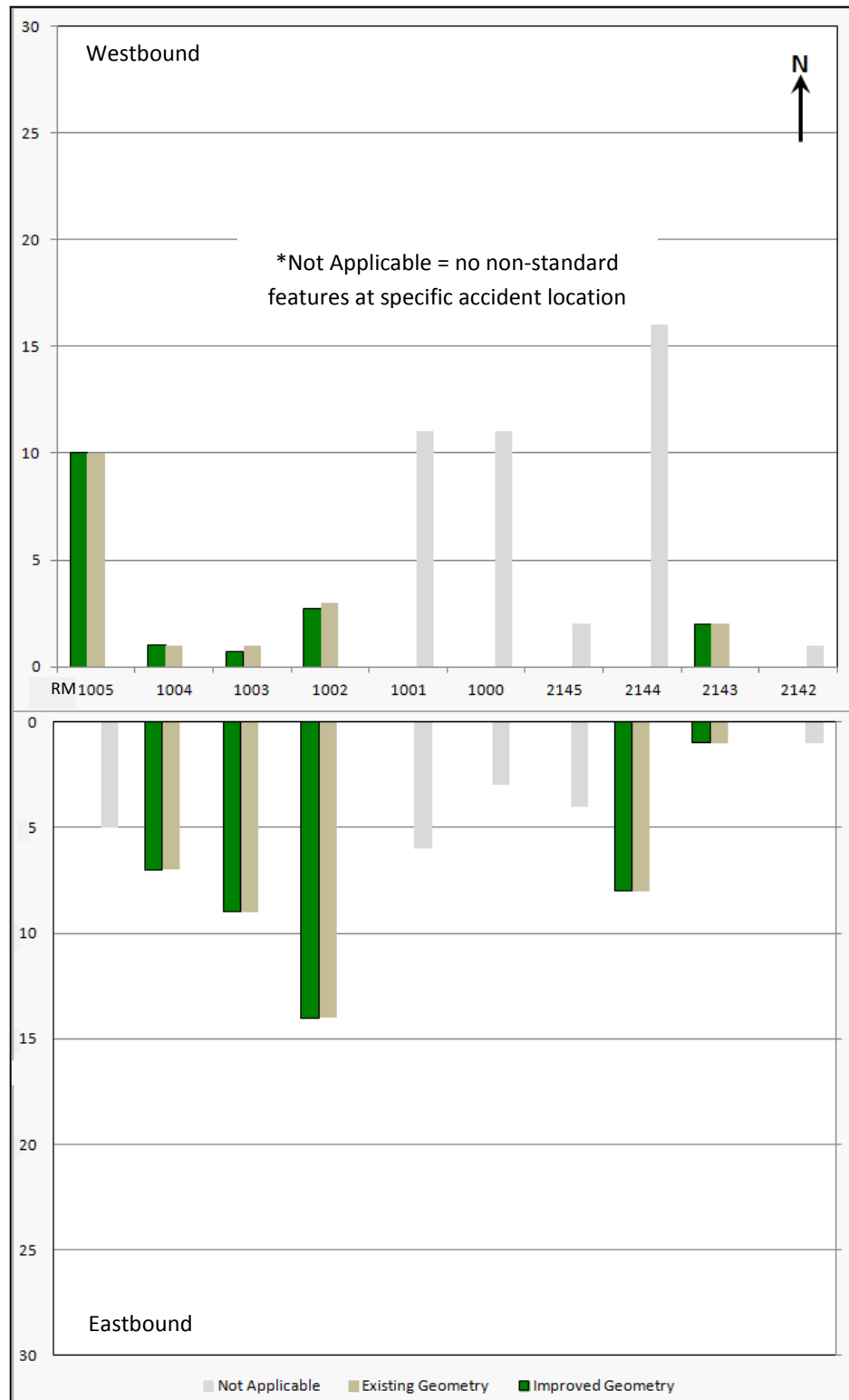


**Figure 7 – Total Number of Accidents for 3-Year Period
Before and After Geometric Improvements by NY 481/I-481 Reference Marker**



I-81/I-481 “Southern Interchange”

I-81 Viaduct South Interchange Area – Syracuse, New York Preliminary Accident Analysis

Introduction

The I-81 viaduct “south interchange” is the area surrounding and including the I-81 interchange with I-481 south of downtown Syracuse. It includes the I-81 Interchange 16A and the I-481 Interchange 1 – in the vicinities of E. Seneca Turnpike and Brighton Avenue, respectively. The area comprises reference marker (RM) 81I 3303 2006 through RM 81I 3303 2018 in the northbound and southbound directions and RM 481I 3301 1000 through RM 481I 3301 2003 in the eastbound and westbound directions.

Accident data for the south interchange area was provided by NYSDOT. There were 101 accidents initially coded to the area for the three-year period from July 1, 2010 through June 30, 2013. Upon review of the accident data for this and other critical I-81 viaduct project area locations, 90 accidents were found to have actually occurred in the vicinity of the interchange; 68 accidents were located on I-81 between RM 2006 and RM 2018, 18 were located on I-481 between RM 1000 and RM 2003, and 4 accidents had reference markers unknown. Graphs of the total number of known accidents by reference marker for each of the I-81 and I-481 study segments (the applicable travel directions for each segment combined) are provided in Figure 1.

The total numbers of accidents for adjacent three reference markers (i.e., the minimum 0.3-mile length needed for a segment to qualify as a Priority Investigation Location (PIL) according to NYSDOT standards) are provided in Figure 2. As indicated in the figure, the segment along I-81 between RM 2011 and RM 2015 is near or at the threshold of 27 accidents (i.e., 9 per year) needed to qualify as an urban PIL in Region 3. The stretch of I-481 in the south interchange area is significantly below the PIL threshold. The accident rate (all accident types and both travel directions combined) for the two-lane segment of I-81 from RM 2006 to RM 2015, which includes the potential PIL segment, was estimated to be 1.48 accidents per million vehicle miles (ACC/MVM). This is 1.36 times the statewide average of 1.09 ACC/MVM for a similar urban controlled-access facility. The accident rates for the three-lane segment of I-81 from RM 2016 to RM 2018 and for the two-lane segment of I-481 in its entire stretch within the south interchange area were estimated to be 0.75 and 0.67 ACC/MVM, respectively – both of which are significantly less than the applicable statewide averages of 1.09 ACC/MVM.

Detailed Non-Standard/Non-Conforming Features Analysis

Numerous non-standard features (i.e., shoulder widths, median widths, vertical grades, superelevation, curve radii, and stopping sight distances) and non-conforming features (i.e., sub-standard acceleration and deceleration lengths and ramp-to-ramp spacings) were identified in the I-81 Viaduct project area. The locations of the non-standard/non-conforming features were detailed in a previous planning study and were spot-checked in the field for this project. As shown in Figure 3, the only non-standard/non-conforming feature in the south interchange area is a sub-standard curve radius in the northbound direction of I-81 between the off-ramp to I-481 North and the on-ramp from I-481 South (i.e., between RM 2012 and RM 2014). This is in the same general area, and the only area that was identified above, as a high-accident and potential PIL location. Further examination of the correlation of accidents to non-standard features in the south interchange area will, therefore, be limited to I-81 between RM 2011 and RM 2015.

Since the non-standard curve radius only exists in the northbound direction of I-81, a breakdown of the accidents in the RM 2011 to RM 2015 area was made by direction. As shown in Figure 4, there were 30 accidents in the northbound direction and 14 accidents in the southbound direction during the three-

Figure 1

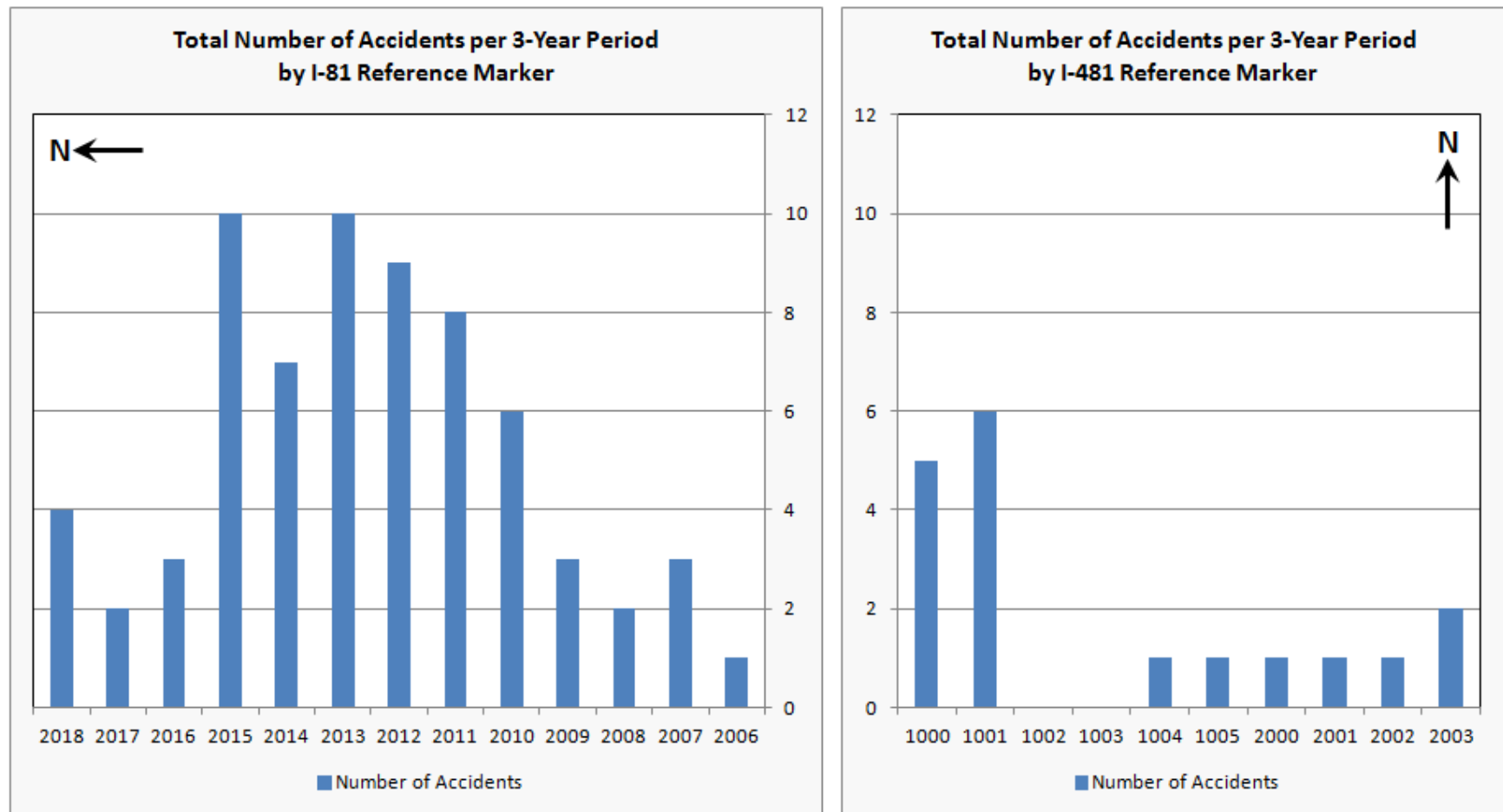


Figure 2

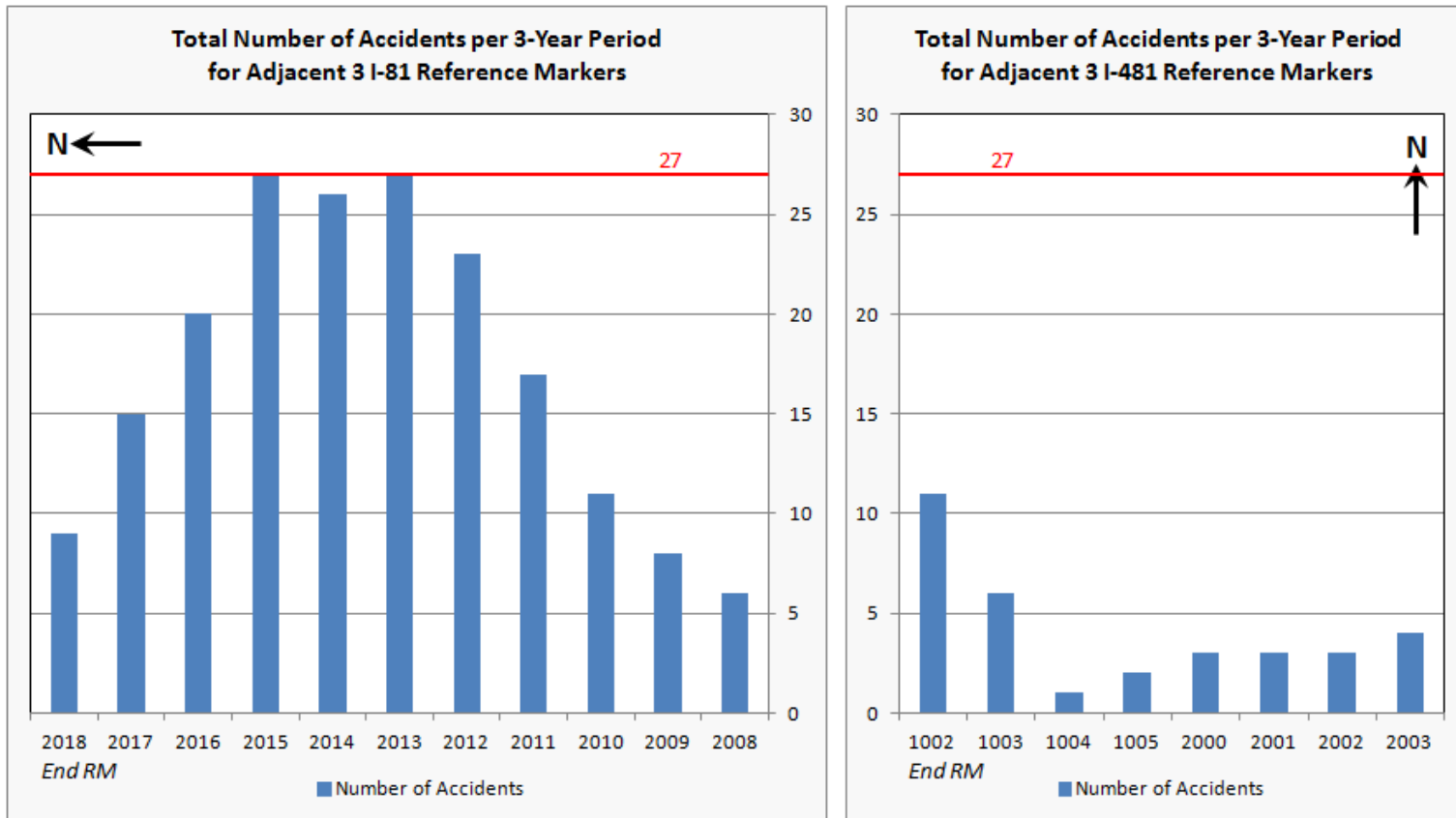


Figure 3

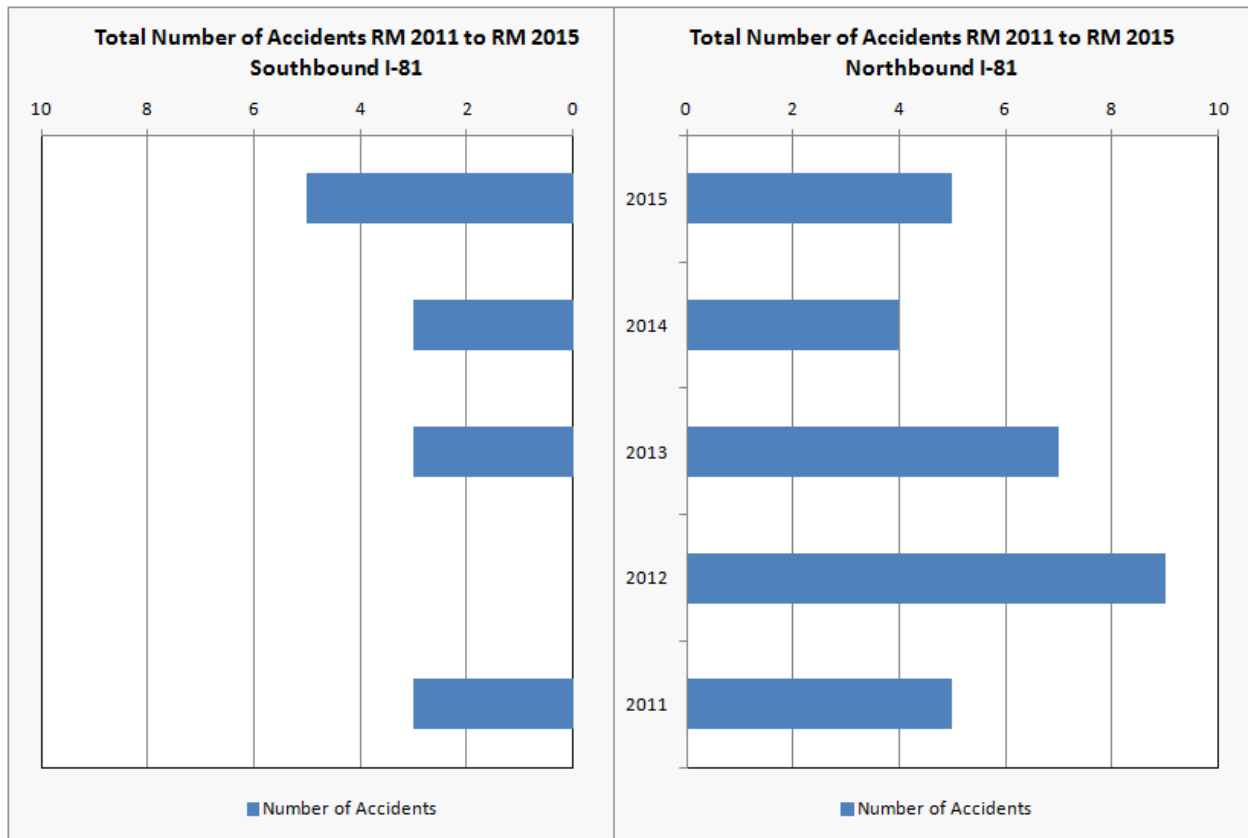
I-81 Viaduct Project – Non-Standard Features



Legend:

- Shoulder Width
- Median Width
- Stopping Sight Distance
- Curve Radius
- Superelevation
- Vertical Grade

Figure 4



year analysis period. Most of the accidents in the northbound direction occurred at RM 2012 and RM 2013 at the beginning of the non-standard curve radius segment. The accident rates in the northbound direction of RM 2011 to RM 2015 were calculated to be 2.97, 1.78, and 1.29 ACC/MVM for all types of accidents, wet-road accidents, and fixed-object accidents, respectively. These are 2.7 to 4.3 times the statewide averages. (See Table 1.) Although not related to a non-conforming feature, the southbound accident rates are also high – 1.42, 1.02, and 1.12 ACC/MVM for all, wet-road, and fixed-object accidents, respectively. These are 1.3 to 4.7 times the statewide averages.

Table 1. Accident Numbers and Rates – RM 2011 to RM 2015

Reference Marker	Number of Accidents					
	Southbound			Northbound		
	All Types	Wet Road	Fixed Object	All Types	Wet Road	Fixed Object
2015	5	3	3	5	3	1
2014	3	3	3	4	2	3
2013	3	1	2	7	4	4
2012	0	0	0	9	6	3
2011	3	3	3	5	3	2
Total	14	10	11	30	18	13

	Accident Rate (ACC/MVM)					
	Southbound			Northbound		
	All Types	Wet Road	Fixed Object	All Types	Wet Road	Fixed Object
Calculated	1.42	1.02	1.12	2.97	1.78	1.29
New York Statewide Average	1.09	0.22	0.30	1.09	0.22	0.30
Higher than Statewide Average?	Y	Y	Y	Y	Y	Y

Of the 30 accidents in the northbound direction, 20 occurred between RM 2012 and RM 2014 where the curve radius is non-standard. Of these 20 accidents, 9 were likely unrelated to the non-standard feature – more attributable to following too closely, speeding, or inclement weather conditions than to roadway geometry. However, another 9 accidents were identified to be potentially attributable to the non-standard feature, and 3 others could not be eliminated from being attributable to the non-standard feature. Of the 12 accidents potentially related to the non-standard curve between RM 2012 and RM 2014, 9 (75 percent) were fixed-object accidents, and 4 (33 percent) resulted in injuries. Seven (7) accidents (58 percent) occurred on slippery pavement (i.e., in wet, snowy, or icy conditions) and 6 accidents (50 percent) occurred in low-light conditions (i.e., at dusk, dawn, or night). It should be noted that the relatively high percentages of fixed-object, wet-road, and nighttime accidents are prevalent throughout the length of I-81 between RM 2011 and RM 2015 regardless of roadway geometry or travel direction. This is partially reflected in the accident information provided in Table 1.

A horizontal alignment improvement (i.e., C 40, according to NYSDOT's July 2013 PIES – Reduction Factor Report) would result in approximately a 30 percent decrease in the 12 accidents potentially related to the non-standard curve radius between RM 2012 and RM 2014. The improvement would result in an estimated reduction of 1.8 accidents at RM 2012, 1.2 accidents at RM 2013, and 0.6 accident at RM 2014.

Conclusion

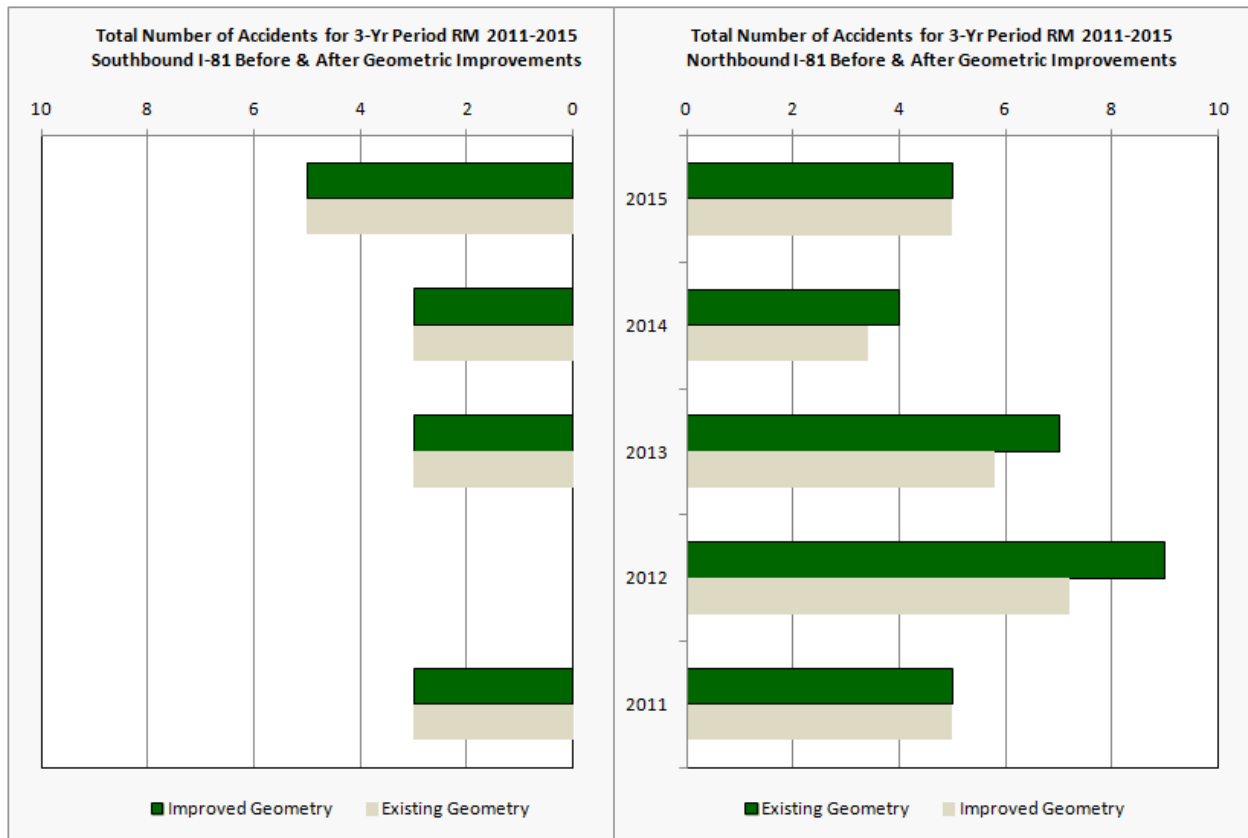
In the I-81 Viaduct south interchange area, 90 accidents occurred during the three-year analysis period – 68 on I-81 between RM 2006 and RM 2018, 18 on I-481 between RM 1000 and RM 2003, and 4 with reference markers unknown. Although both directions of I-81 were calculated to have higher than statewide average overall, wet-road, and fixed-object accident rates, only the small portion of I-81 in the northbound direction between RM 2012 and RM 2014 was identified to have a non-standard feature – a

sub-standard curve radius. Based on a detailed examination of police reports, most (60 percent) of the 20 accidents that occurred on northbound I-81 between RM 2012 and RM 2014 were found to be potentially related to the non-standard curve. Improving the horizontal alignment at the curve would decrease the number of accidents in the area during a three-year period by approximately 3.6 based on NYSDOT's accident reduction factors. The 30 percent decrease in accidents at the curve would effect a 4 percent decrease in accidents in both directions combined along I-81 in the entirety of the south interchange area.

It should be noted that fixed-object, wet-road, and nighttime accidents are high throughout the south interchange area. Preliminary accident analysis for the I-81 segment suggests that speeding, slippery pavement, and inadequate lighting could be primary and/or contributing factors to accidents throughout the area, including along the non-standard curve.

Three-year accident totals in the RM 2011 to RM 2015 area are provided in Figure 5 for existing conditions and for future conditions with the elimination of the non-standard curve.

Figure 5



I-81 Southbound
at Court Street Weaving Area

ACCIDENT SUMMARY SHEET

ROUTE: 81/ **LOCATION:** Syracuse, New York
MUNICIPALITY: _____ **COUNTY:** _____
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013 **REFERENCE MARKERS / NODES:** 81/ 3303 2006 - 81/ 3303 3066
REMARKS: SB Accidents at Court Street Weave - RM 2060 to RM 2056 **DATE:** 3/10/2015

TIME OF DAY			# ACC	%	DIRECTION		# ACC	%	DIRECTION		# ACC	%	
6 AM - 10 AM			21	41.2%	North		0	0.0%	Northeast		0	0.0%	
10 AM - 4 PM			16	31.4%	South		98	100.0%	Northwest		0	0.0%	
4 PM - 7 PM			8	15.7%	East		0	0.0%	Southeast		0	0.0%	
7 PM - 12 AM			3	5.9%	West		0	0.0%	Southwest		0	0.0%	
12 AM - 6 AM			3	5.9%	Total		98			Unspecified		0	0.0%
Unspecified			0	0.0%									
Total			51		ACCIDENT TYPE		# ACC	%	ACCIDENT TYPE		# ACC	%	
WEATHER			# ACC	% <td colspan="2">Rear End</td> <td>33</td> <td>64.7%</td> <td colspan="2">Pedestrian</td> <td>0</td> <td>0.0%</td>	Rear End		33	64.7%	Pedestrian		0	0.0%	
Clear			25	49.0%	Overtake		8	15.7%	Bicycle		0	0.0%	
Cloudy			12	23.5%	Right Angle		1	2.0%	Parked Vehicle		0	0.0%	
Rain			2	3.9%	Left Turn		0	0.0%	Backing		0	0.0%	
Snow			11	21.6%	Right Turn		0	0.0%	Run Off The Road		0	0.0%	
Sleet/Hail/Freezing Rain			0	0.0%	Fixed Object		5	9.8%	Animal		1	2.0%	
Fog/Smog/Smoke			0	0.0%	Head On		0	0.0%	Other		2	3.9%	
Unspecified			1	2.0%	Sideswipe		0	0.0%	Unspecified		1	2.0%	
Total			51		Total		51						

SURFACE				# ACC	%	ACCIDENT SEVERITY				# ACC	%
Dry				36	70.6%	Fatal				0	0.0%
Wet				5	9.8%	Injury				8	15.7%
Mud/Slush				0	0.0%	Property Damage				43	84.3%
Snow/Ice				9	17.6%	Non-Reportable				0	0.0%
Unspecified				1	2.0%	Total				51	
Total				51							

TIME OF YEAR				# ACC	%	TYPE OF VEHICLE				# ACC	%
Winter (Dec-Feb)				17	33.3%	Passenger Cars				99	100.0%
Spring (Mar-May)				12	23.5%	Commercial Vehicles				0	0.0%
Summer (Jun-Aug)				8	15.7%	Total				99	
Fall (Sep-Nov)				14	27.5%						
Total				51							

DAY OF WEEK				# ACC	%	LIGHT CONDITION				# ACC	%
Sunday				5	9.8%	Daylight				41	80.4%
Monday				5	9.8%	Dawn/Dusk				1	2.0%
Tuesday				6	11.8%	Night				8	15.7%
Wednesday				10	19.6%	Unspecified				1	2.0%
Thursday				8	15.7%	Total				51	
Friday				8	15.7%						
Saturday				9	17.6%						
Total				51							

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2010	2011	2012	2013
Fatal Accidents	0	0	0	0
Injury Accidents	1	3	4	0
Property Damage Accidents	4	8	17	14
Non-Reportable Accidents	0	0	0	0
Total Accidents	5	11	21	14

HSA CHARTS

ROUTE: 81/

LOCATION: Syracuse, New York

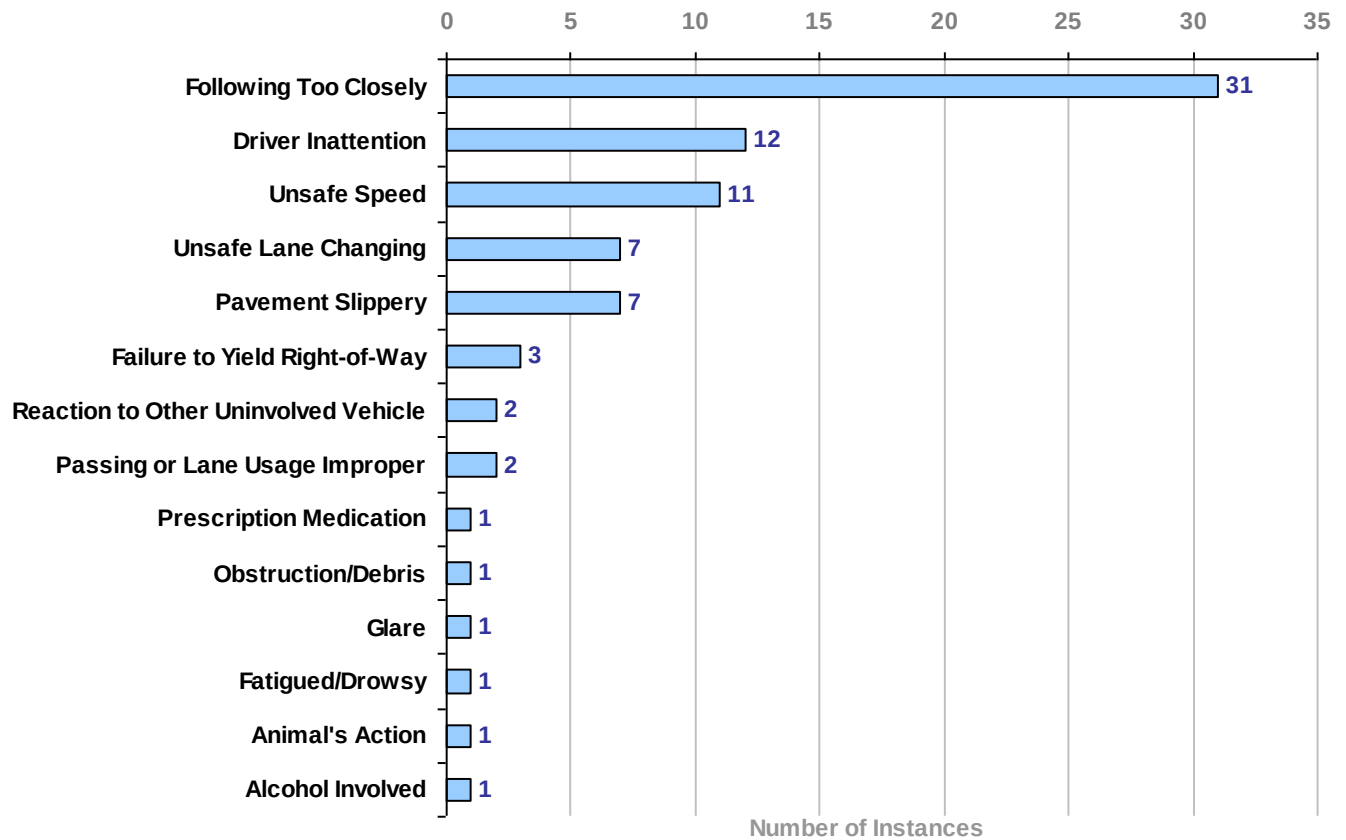
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013

REFERENCE MARKERS / NODES 81/ 3303 2006 - 81/ 3303 3066

REMARKS: SB Accidents at Court Street Weave - RM 2060 to RM 2056

DATE: 3/10/2015

ACCIDENT CONTRIBUTING FACTORS



HSA CHARTS

ROUTE: 81/

LOCATION: Syracuse, New York

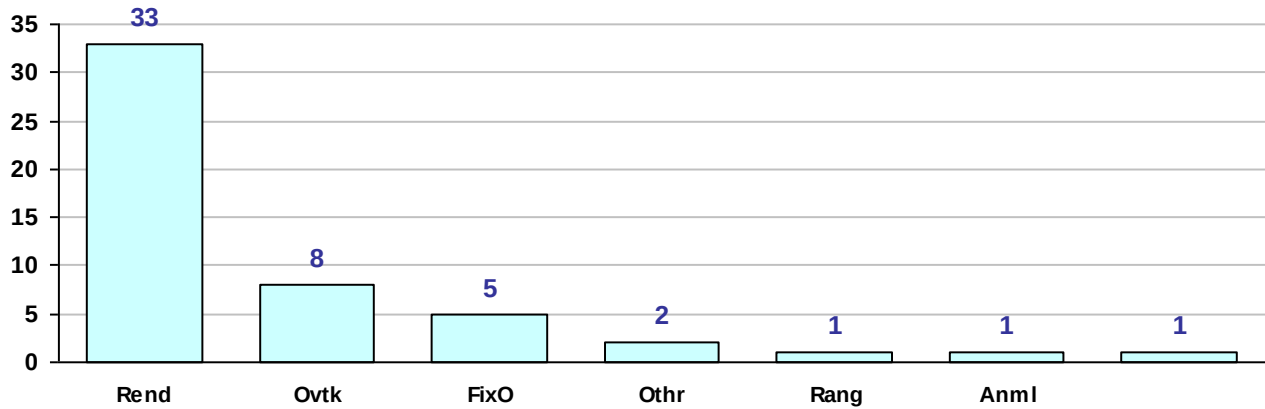
TIME PERIOD COVERED: 7/1/2010 - 6/30/2013

REFERENCE MARKERS / NODES 81/ 3303 2006 - 81/ 3303 3066

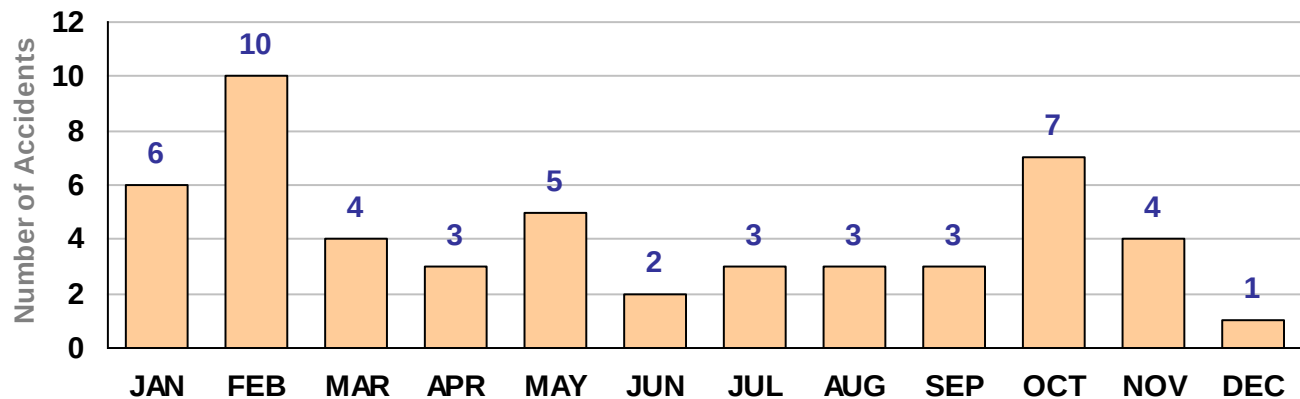
REMARKS: SB Accidents at Court Street Weave - RM 2060 to RM 2056

DATE: 3/10/2015

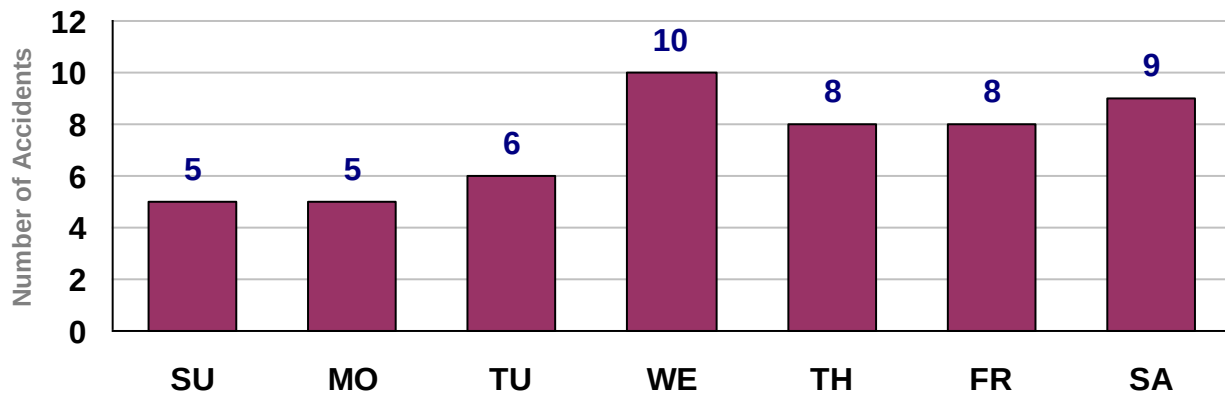
NUMBER OF ACCIDENTS BY TYPE



ACCIDENTS BY MONTH



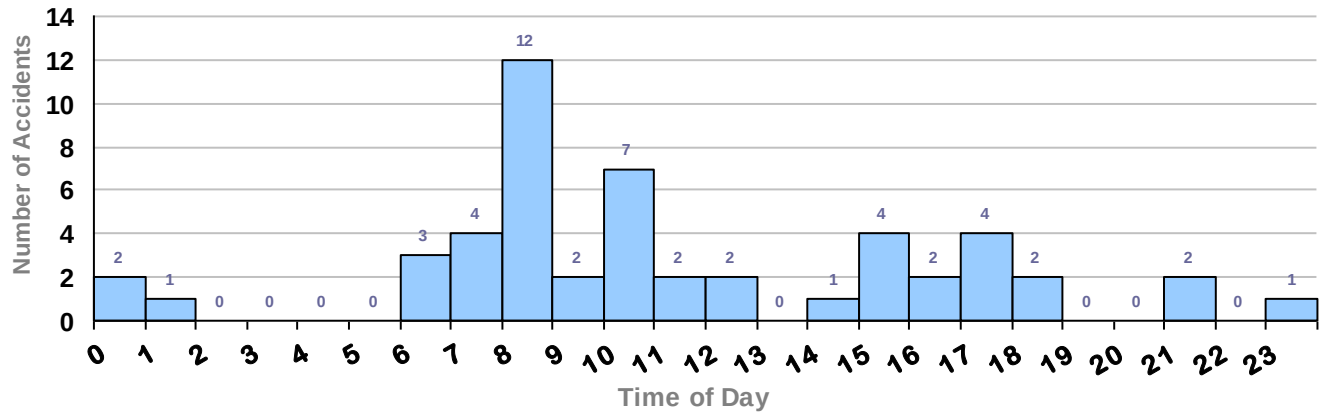
ACCIDENTS BY DAY OF WEEK



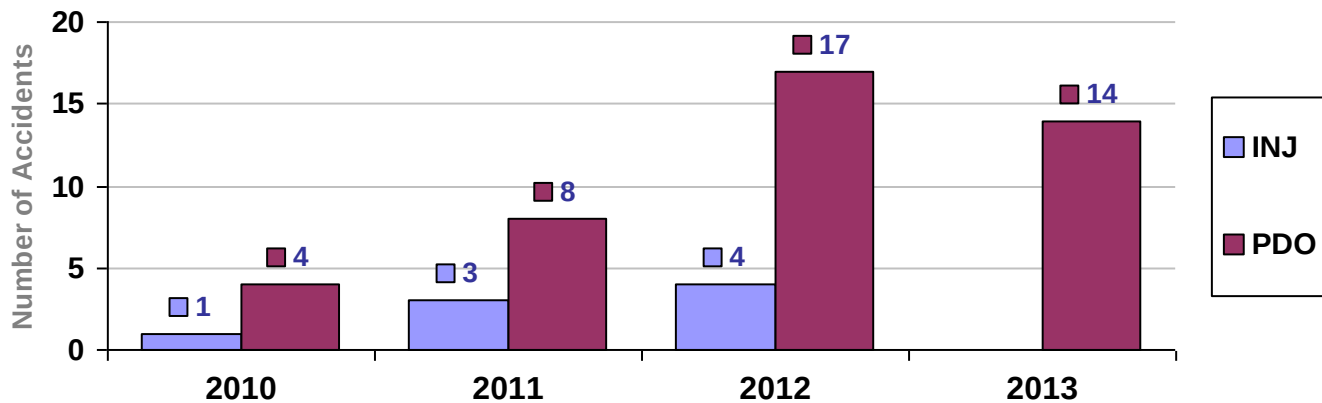
HSA CHARTS

ROUTE: 81/ LOCATION: Syracuse, New York
 TIME PERIOD COVERED: 7/1/2010 - 6/30/2013 REFERENCE MARKERS / NODES 81/ 3303 2006 - 81/ 3303 3066
 REMARKS: SB Accidents at Court Street Weave - RM 2060 to RM 2056 DATE: 3/10/2015

ACCIDENTS BY TIME OF DAY

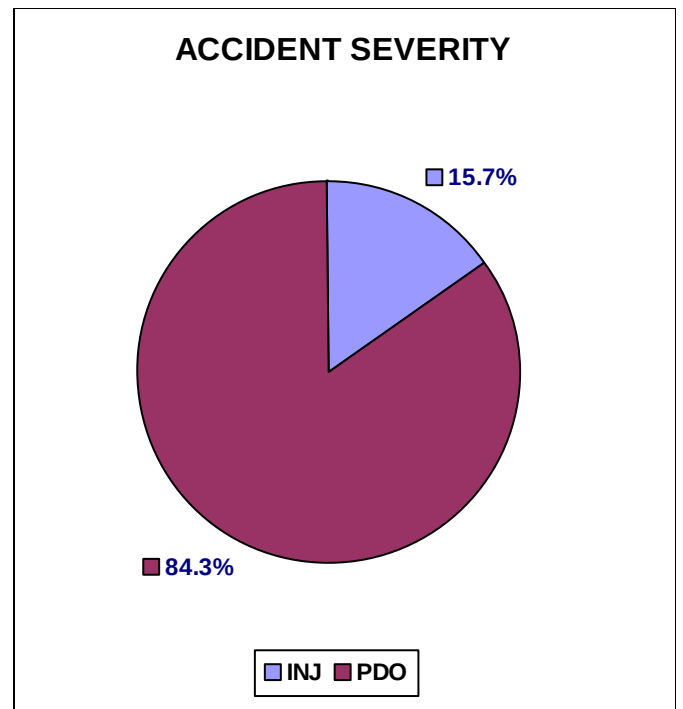
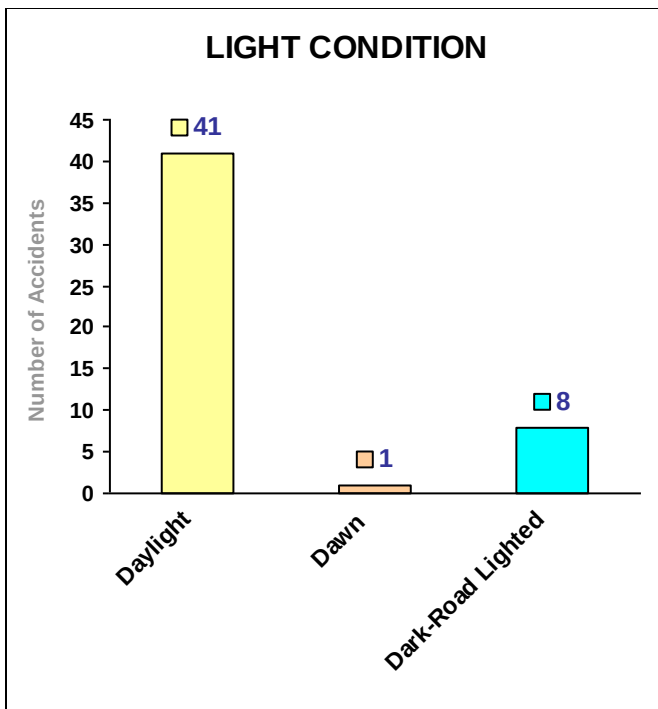
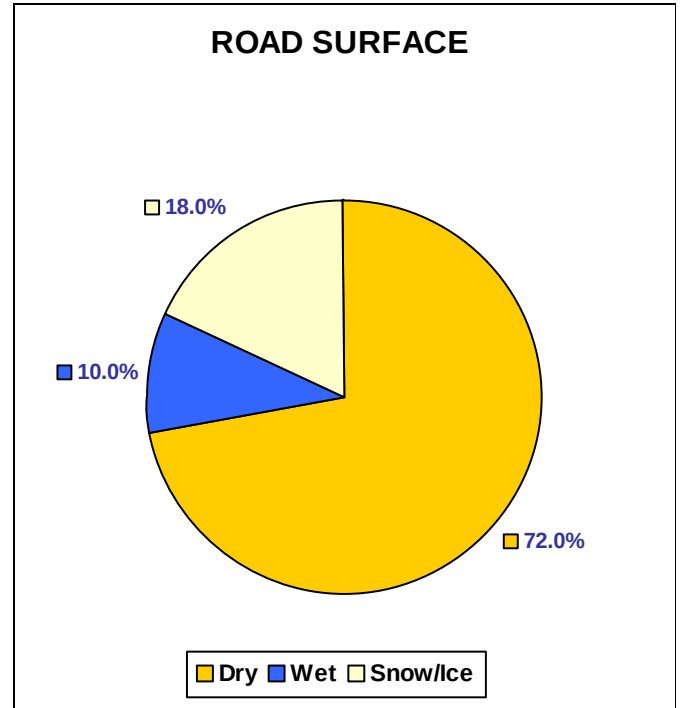
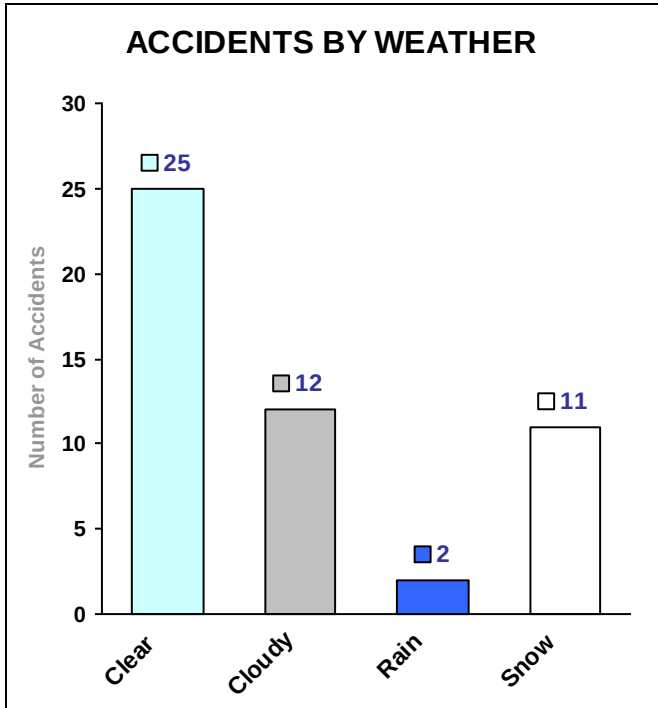


SEVERITY DISTRIBUTION BY YEAR



HSA CHARTS

ROUTE: 81/ LOCATION: Syracuse, New York
 TIME PERIOD COVERED: 7/1/2010 - 6/30/2013 REFERENCE MARKERS / NODES 81/ 3303 2006 - 81/ 3303 3066
 REMARKS: SB Accidents at Court Street Weave - RM 2060 to RM 2056 DATE: 3/10/2015



Safety Benefits Analysis

Safety Benefits Analysis

A safety benefits analysis (i.e., comparison of the annual cost of crashes before and after proposed improvements) was conducted for the I-81 Viaduct project. The analysis was conducted for the Viaduct and Community Grid alternatives, and included the freeway system and more than 100 local street intersections in the project area. Specifically, the analysis limits are as follows:

- I-81 from just south of the southern I-481 interchange to just north of the northern I-481 interchange (Reference Marker (RM) 81I 3303 2008 to 81I 3303 3062)
- I-481 from the southern I-81 interchange through the northern I-81 interchange (RM 481I 3301 1000 to RM 481 3301 1004)
- I-690 from west of Hiawatha Boulevard to its eastern terminus at I-481 (690I 3301 2005 to 690I 3301 3019)
- 105 local street intersections which are expected to experience notable geometric or traffic volume changes as a result of the project

Crash data for a three-year period from January 1, 2015 through December 31, 2017 was evaluated to identify the location of crashes and for initial analysis using the Highway Safety Analysis (HSA) software. Crashes occurring on freeways were grouped into logical segments based on features such highway geometrics and design modifications proposed by the project. A list of freeway segments and intersections is provided in Attachment A. The crash data was then analyzed within HSA, and Accident Summary Sheets were prepared for each existing freeway segment and intersection (see Attachment B).

Future AADTs (shown in Attachment C) were developed for each intersection and freeway segment by adjusting previously developed existing 2013 AADTs based on traffic volume projections from the Syracuse Metropolitan Transportation Council's (SMTCC) Regional Travel Demand Model for each alternative. Initial adjustments to the number of crashes were made based on the projected change in traffic volume. In addition, NYSDOT average accident severity distribution and costs from the January 1, 2015 to December 31, 2016 data (Attachment D) for similar state highways, in conjunction with actual severity distributions at each analysis location, were used to adjust crash costs.

To identify the overall safety benefits of each alternative, each freeway segment and intersection were reviewed with respect to proposed geometric/operational modifications and established crash reduction factors. Crash reduction factors from NYSDOT's latest applicable "Post Implementation Evaluation System – Reduction Factor Report" and the Federal Highway Administration's Crash Modification Factors Clearinghouse were applied to numbers and types of crashes susceptible to reduction with each improvement for each alternative. In certain cases, neither the Reduction Factor Report or Clearinghouse provided an available crash reduction factor. In those cases, a Crash Reduction Factor was derived (see Attachment E). The crash reduction tables are provided in Attachment F. For new and substantially modified intersections and freeway segments, estimated crash totals were developed for each alternative based on statewide average accident rates for similar facilities in lieu of applying available crash reduction factors (see Attachments E and G).

Based on crash history and projected changes in geometry and traffic volumes at each location, Safety Benefits Evaluation Forms (Form TE-164) were completed for the No Build, Viaduct, and Community Grid alternatives. The detailed TE-164 forms are provided in Attachment H and the results are summarized in Attachment I. The analyses indicate that the proposed actions would result in safety cost benefits of \$3,045,772 and \$3,080,537 for the Viaduct and Community Grid Alternatives, respectively.

Attachment A: Freeway Segment and Intersection List

Attachment B: Accident Summary Sheets

Attachment C: Estimated AADTs

Attachment D: January 2015-December 2016 Average Accident Costs/Severity Distribution
State Highways

Attachment E: Crash Total and Crash Reduction Factor Estimation

Attachment F: Crash Reduction Factor Tables

Attachment G: January 1, 2015-December 31, 2016 Average Accident Rates for State Highways

Attachment H: Safety Benefits Evaluation Forms (Form TE-164)

Attachment I: Safety Benefit Tables

Attachment A

Freeway Segment and Intersection List

Freeway Segment and Intersection List

I-81

- Segment 1: South of the I-481 interchange starting at RM 2008 and ending at RM 2009 for approximately 0.2 miles
- Segment 2: The southern I-481 interchange starting at the northbound I-481 exit and southern I-481 entrance in RM 2010 and ending at the northbound I-481 exit and southbound I-481 entrance in RM 2015 for approximately 0.5 miles
- Segment 3: North of the southern I-481 interchange starting in RM 2016 and ending south of the US 11 (South Salina Street) interchange in RM 2018, a total distance of 0.3 miles
- Segment 4: An approximately 0.8-mile segment beginning at the northbound exit to US 11 (South Salina Street) and southbound entrance from US 11 in RM 2019 to the southbound exit to US 11 in RM 2026
- Segment 5: North of the US 11 (South Salina Street) interchange starting in RM 2027 through the northbound entrance from Colvin Street in RM 2029, a total distance of 0.3 miles
- Segment 6: North of the northbound entrance from Colvin Street in RM 2030 and continuing into RM 2032, a total distance of approximately 0.3 miles
- Segment 7: An approximately 0.3-mile segment from RM 2033 and ending south of the northbound exit to Adams Street in RM 2035
- Segment 8: An approximately 0.7-mile segment beginning at the northbound exit to Adams Street in RM 2036 and ending at the northbound on-ramp from Harrison Street and southbound entrance from westbound I-690 in RM 2042
- Segment 9: Starting at the northbound entrance to eastbound I-690 and southbound exit to Harrison St in RM 2043 and continuing towards north of the northbound exit to westbound I-690 into RM 2047 for approximately 0.5 miles
- Segment 10: South of the southbound exit to eastbound I-690 starting in RM 2048 and ending at the northbound entrance from Butternut Street and southbound entrance from Genant Drive in RM 2053, a total distance of approximately 0.6 miles
- Segment 11: An approximately 0.6-mile segment beginning north of the northbound entrance from Butternut Street and southbound entrance from Genant Drive in RM 2054 and ending at the southbound on-ramp from Bear Street in RM 2059
- Segment 12: An approximately 0.3-mile segment beginning at the northbound entrance from Court Street in RM 2060 and ending south of the northbound exit to NY 370 in RM 2161
- Segment 13: Starting at the northbound exit to NY 370 in RM 2162 and ending at the southbound exit to Hiawatha Boulevard in RM 3004, a total distance of approximately 1.4 miles
- Segment 14: North of the southbound exit to Hiawatha Boulevard in RM 3005 continuing towards south of the northbound exit to and southbound entrance from 7th Street in RM 3009 for approximately 0.5 miles

- Segment 15: An approximately 0.7-mile segment beginning at the northbound exit to and southbound entrance from 7th Street in RM 3010 and ending at the northbound entrance from I-90 in RM 3016
- Segment 16: An approximately 0.7-mile segment beginning north of the northbound entrance from I-90 in RM 3017 and ending at south of the northbound exit to and southbound entrance from US 11 (Brewerton Road) in RM 3023
- Segment 17: Starting at the northbound exit to and southbound entrance from US 11 (Brewerton Road) in RM 3024 and ending at the northbound entrance from and southbound exit to Taft Road in RM 3045, a total distance of approximately 2.2 miles
- Segment 18: North of the northbound entrance from and southbound exit to Taft Road in RM 3046 and continuing towards south of the northbound exit to and southbound entrance from eastbound I-481 in RM 3051 for approximately 0.6 miles
- Segment 19: An approximately 1.1-mile segment beginning at the northbound exit to and southbound entrance from eastbound I-481 in RM 3052 continuing to RM 3062

I-481

- Segment 0: An approximately 0.4-mile new four-lane freeway segment connecting the existing I-81 alignment to the beginning of I-481 within the southern interchange. This segment only exists within the Community Grid Alternative.
- Segment 1: Starting at the I-81 ramps in RM 1000 and ending at the southbound exit to Brighton Avenue in RM 1005, a total distance of approximately 0.6 miles
- Segment 2: North of the southbound exit to Brighton Avenue at RM 2000 and continuing towards the northbound exit from Rock Cut Road in RM 2005 for approximately 0.6 miles
- Segment 3: An approximately 1.8-mile segment beginning at north of the northbound exit from Rock Cut Road in RM 2006 and ending at south of the northbound exit and southbound entrance from Jamesville Road in RM 2023
- Segment 4: An approximately 0.8-mile segment beginning at the northbound exit and southbound entrance from Jamesville Road in RM 2024 and ending at the northbound entrance from Jamesville Road in RM 2031
- Segment 5: North of the northbound entrance from Jamesville Road in RM 2032 and ending at south of the northbound exit to eastbound NY 5 (East Genesee Street) in RM 2043, a total distance of approximately 1.1 miles
- Segment 6: Starting at the northbound exit to eastbound NY 5 in RM 2043 and continuing to the northbound entrance from and southbound exit to westbound NY 5 in RM 2049 for approximately 0.7 miles
- Segment 7: An approximately 0.8-mile segment beginning at north of the northbound entrance from and southbound exit to westbound NY 5 in RM 2050 and ending at south of the southbound entrance from I-690 in RM 2057.
- Segment 8: An approximately 1.0-mile segment beginning at the southbound entrance from I-690 in RM 2058 and ending at the southbound exit to I-690 in RM 2067.

- Segment 9: North of the southbound exit to I-690 in RM 2068 and continuing towards south of the northbound exit to eastbound Kirkville Road in RM 2074 for approximately 0.7 miles
- Segment 10: Starting at the northbound exit to eastbound Kirkville Road in RM 2075 and ending at the southbound exit to eastbound Kirkville Road in RM 2082, a total distance of approximately 0.8 miles
- Segment 11: An approximately 0.7-mile segment beginning at north of the southbound exit to eastbound Kirkville Road in RM 2083 and ending at south of the northbound exit to and southbound entrance from I-90 in RM 2089.
- Segment 12: An approximately 0.5-mile segment beginning at the northbound exit to and southbound exit from I-90 in RM 2090 and ending at the northbound entrance from I-90 in RM 2094.
- Segment 13: North of the northbound entrance from I-90 in RM 2095 continuing towards south of the northbound exit and southbound entrance from Bridgeport Road in RM 2098 for approximately 0.4 miles
- Segment 14: Starting at the northbound exit and southbound entrance from Bridgeport Road in RM 2099 and ending at the northbound entrance from and southbound exit to Bridgeport Road in RM 210, a total distance of approximately 0.3 miles
- Segment 15: An approximately 2.5-mile segment beginning at north of the northbound entrance from and southbound exit to Bridgeport Road in RM 2102 and ending at south of the northbound exit to and southbound entrance from Northern Boulevard in RM 2127
- Segment 16: An approximately 0.7-mile segment beginning at the northbound exit to and southbound entrance from Northern Boulevard in RM 2127 and ending at the northbound entrance from Northern Boulevard in RM 2133
- Segment 17: North of the northbound entrance from Northern Boulevard in RM 2134 and continuing to RM 2137 for approximately 0.4 miles
- Segment 18: Starting approximately 0.2-miles prior to the northern I-81 interchange at RM 2138 and ending after the interchange at RM 1004, a total distance of approximately 1.3 miles
- Segment 19: An approximately 0.6-mile new-four lane freeway segment connecting the existing I-81 alignment to the beginning of I-481 within the southern interchange. This segment only exists within the Community Grid Alternative.

I-690

- Segment 1: An approximately 0.6-mile segment beginning prior to the eastbound exit to and westbound entrance from Hiawatha Boulevard in RM 2005 and ending at the westbound entrance from Bear Street in RM 2010
- Segment 2: East of the westbound entrance from Bear Street in RM 2011 continuing to west of the eastbound entrance from and westbound exit to Geddes Street in RM 2016 for approximately 0.5 miles
- Segment 3: Starting at the eastbound entrance from and westbound exit to Geddes Street in RM 2016 and ending at west of the eastbound exit to North West Street in RM 2017, a total distance 0.2 miles
- Segment 4: An approximately 0.7-mile segment beginning at the eastbound exit to North West Street in RM 2018 and ending at west of the westbound entrance from northbound I-81 in RM 2024.
- Segment 5: An approximately 0.8-mile segment beginning at the westbound entrance from northbound I-81 in RM 2025 and ending at the eastbound entrance from and westbound exit to northbound I-81 in RM 2032
- Segment 6: East of the eastbound entrance from and westbound exit to northbound I-81 in RM 2033 continuing towards west of the eastbound exit to Teall Avenue in RM 2038 for approximately 0.5 miles
- Segment 7: Starting at the eastbound exit to Teall Avenue in RM 2038 and ending at the eastbound entrance from Teall Avenue in RM 2042, a total distance of approximately 0.5 miles
- Segment 8: An approximately 0.4-mile segment beginning at west of the eastbound entrance from Teall Avenue in RM 2042 and ending at west of the eastbound exit to and westbound entrance from NY 598 (South Midler Avenue) in RM 2046
- Segment 9: An approximately 0.6-mile segment beginning at the eastbound exit to and westbound entrance from NY 598 (South Midler Avenue) in RM 2047 and ending at the westbound exit to NY 598 (South Midler Avenue) in RM 2052
- Segment 10: East of the westbound exit to NY 598 (South Midler Avenue) in RM 2053 continuing towards west of the westbound entrance from NY 635 (Thompson Road) in RM 2057 for approximately 0.4 miles
- Segment 11: Starting at the westbound entrance from NY 635 (Thompson Road) in RM 2057 and ending at the westbound exit to Bridge Street in RM 3008, a total distance of approximately 1.3 miles
- Segment 12: An approximately 1.1-mile segment beginning at east of the westbound exit to Bridge Street in RM 3009 and ending at I-481 in RM 3019

Local Streets

ID	Intersection Name
D-1	N. West St. at NY 5/W. Genesee St.
D-10	Wallace St. at NY 5/W. Genesee St.
D-11	N. Franklin St. /Butternut St. at N. Franklin St.
D-12	N. Franklin St. at Herald Pl
D-13	N. Franklin St. at NY 5/W. Genesee St.
D-19	N. Clinton St. at Webster Landing
D-21	N. Clinton St. at NY 5/W. Genesee St.
D-24	S. Clinton St. at W. Washington St.
D-25	S. Clinton St. at W. Fayette St.
D-27	S. Clinton St. at W. Onondaga St.
D-28	S. Clinton St. at W. Adams St.
D-32	N. Salina St. at Herald Pl
D-34	N. Salina St. at NY 5/W. Genesee St./James St.
D-36	S. Salina St. at E./W. Washington St.
D-37	S. Salina St. at E./W. Fayette St.
D-39	S. Salina St. at Harrison St. and Onondaga St.
D-40	S. Salina St. at E./W. Adams St.
D-46	Pearl St. at Hickory St.
D-47	Pearl St. at E. Willow St.
D-48	N. Warren St. at E. Willow St.
D-49	N. Warren St. at NY 5/James St.
D-50	N. Warren St. at E. Erie Blvd.
D-56	S. Warren St. at Harrison St.
D-57	S. Warren St. at E. Adams St.
D-58	Oswego Blvd. at James St.
D-59	NY 5/Oswego Blvd./ at Montgomery St.
D-66	Montgomery St. at Harrison St.
D-67	Montgomery St. at E. Adams St.
D-68	US 11/N. State St. at Hickory St.
D-69	US 11/N. State St. at E. Willow St.
D-71	US 11/S. State St. at NY 5/Erie Blvd. E.
D-73	US 11/S. State St. at E. Washington St.
D-78	US 11/S. State St. at Harrison St.
D-79	US 11/S. State St. at E. Adams St.
D-83	N. Townsend St. at Westbound I-690 off-ramp
D-84	N./S. Townsend St. at NY 5/Erie Blvd. E.
D-86	S. Townsend St. at E. Washington St.
D-87	S. Townsend St. at E. Fayette St.
D-88	S. Townsend St. at NY 92/E. Genesee St.

ID	Intersection Name
D-89	S. Townsend St. at Harrison St.
D-90	S. Townsend St. at E. Adams St.
D-92	N. McBride St. at EB I-690 On-ramp
D-93	N./S. McBride St. at NY 5/Erie Blvd. E.
D-99	Catherine St. at Burnet Ave.
D-100	Almond St./Catherine St. at NY 5/Erie Blvd. E.
D-101	Almond St. at E. Water St.
D-102	Almond St. at E. Washington St.
D-103	Almond St. at E. Fayette St.
D-104	Almond St. at NY 92/E. Genesee St.
D-105	Almond St. at Southbound I-81 Off-Ramp
D-106	Harrison St. at Southbound I-81 Off-Ramp
D-107	Almond St. at Harrison St.
D-108	Almond St. at E. Adams St.
D-109	Almond St. at Burt St.
D-110	Almond St. at Van Buren St.
D-118	West St. at Westbound I-690 Ramps
D-119	West St. at Eastbound I-690 Ramps
D-120	Southbound I-81 Off-ramp and Willow St.
D-121	Pearl St. at James St.
D-122	Almond St. and MLK Jr. E.
D-123	Catherine St. at Westbound I-690 Off-Ramp
D-124	Catherine St. at Eastbound I-690 On-ramp
D-125	MLK Jr. E. at Southbound I-81 On-Ramp
D-126	MLK Jr. E. at Northbound I-81 Off-Ramp
D-127	BL-81 Ramps at East Glen Avenue
D-128	E Brighton at East Glen Avenue.
D-139	Salina St. at SB I-81 Exit 19 Off-ramp
U-1	N. Crouse Ave. at Burnet Ave.
U-10	N./S. Crouse Ave. at Erie Blvd. E.
U-19	S. Crouse Ave. at E. Water St.
U-24	Irving Ave. at E. Fayette St.
U-25	S. Crouse Ave. at E. Fayette St.
U-31	Irving Ave. at NY 92/E. Genesee St.
U-32	S. Crouse Ave. at NY 92/E. Genesee St.
U-41	Sarah Loguen Dr. at Harrison St.
U-42	Elizabeth Blackwell Dr. at Harrison St.
U-43	Irving Ave. at Harrison St.
U-44	S. Crouse Ave. at Harrison St.
U-51	Irving Ave. at E. Adams St.
U-52	S. Crouse Ave. at E. Adams St.
U-56	Irving Ave. at Waverly Ave.

ID	Intersection Name
U-57	S. Crouse Ave. at Waverly Ave.
U-62	Irving Ave. at University Pl
U-63	Irving Ave. at Van Buren St.
U-68	Crouse Ave. at Westbound I-690
U-69	Crouse Ave. at Eastbound I-690
U-70	Irving Ave. at Erie Blvd.
U-71	Irving Ave. at Water St.
W-1	Southbound I-81 On-Ramp/Genant Dr. at Bear St.
W-3	Southbound I-81 Off-Ramp/Genant Dr. at Spencer St.
W-4	Solar St. at Hiawatha Blvd. W.
W-5	Spencer St. at Hiawatha Blvd. W.
W-6	I-690 East Off-Ramp at Hiawatha Blvd. W.
W-9	Spencer St. at Bear St./I-690 Ramps
W-12	N. Geddes St. at Westbound I-690 Off-Ramp
W-13	N. Geddes St. at Edison St.
W-15	N. Geddes St. at NY 5/W. Genesee St.
W-17	N. Geddes St. at Wilkinson St.
W-19	N./S. Geddes St. at Erie Blvd. W.
W-20	S. Geddes St. at W. Fayette St.
W-21	S. Geddes St. at Marcellus St.
W-22	S. Geddes St. at Otisco St.
W-23	S. Geddes St. at Gifford St.
W-24	S. Geddes St. at Seymour St.
W-25	S. Geddes St. at Grand Ave./Shonnard St.

Attachment B

Accident Summary Sheets

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 1 RM 2008-2009 **DATE:** 9/27/2018

TIME OF DAY 6 AM - 10 AM 1 25.0% 10 AM - 4 PM 0 0.0% 4 PM - 7 PM 2 50.0% 7 PM - 12 AM 1 25.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 4	DIRECTION North 0 0.0% South 6 100.0% East 0 0.0% West 0 0.0% Total 6	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 4 100.0% Cloudy 0 0.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 4	ACCIDENT TYPE Rear End 2 50.0% Overtake 0 0.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 4	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 2 50.0% Unspecified 0 0.0%
SURFACE Dry 4 100.0% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 4	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 25.0% Property Damage 3 75.0% Non-Reportable 0 0.0% Total 4	
TIME OF YEAR Winter (Dec-Feb) 0 0.0% Spring (Mar-May) 3 75.0% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 1 25.0% Total 4	TYPE OF VEHICLE Passenger Cars 6 100.0% Commercial Vehicles 0 0.0% Total 6	
DAY OF WEEK Sunday 0 0.0% Monday 1 25.0% Tuesday 0 0.0% Wednesday 0 0.0% Thursday 0 0.0% Friday 1 25.0% Saturday 2 50.0% Total 4	LIGHT CONDITION Daylight 2 50.0% Dawn/Dusk 2 50.0% Night 0 0.0% Unspecified 0 0.0% Total 4	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	0	1	2
Non-Reportable Accidents	0	0	0
Total Accidents	0	2	2

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 2 RM 2010-2015 **DATE:** 9/27/2018

TIME OF DAY 6 AM - 10 AM 5 13.2% 10 AM - 4 PM 9 23.7% 4 PM - 7 PM 5 13.2% 7 PM - 12 AM 10 26.3% 12 AM - 6 AM 9 23.7% Unspecified 0 0.0% Total 38	DIRECTION North 32 60.4% South 21 39.6% East 0 0.0% West 0 0.0% Total 53	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 13 34.2% Cloudy 7 18.4% Rain 6 15.8% Snow 11 28.9% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 2.6% Total 38	ACCIDENT TYPE Rear End 3 7.9% Overtake 6 15.8% Right Angle 1 2.6% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 12 31.6% Head On 0 0.0% Sideswipe 0 0.0% Total 38	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 5 13.2% Animal 4 10.5% Other 7 18.4% Unspecified 0 0.0%
SURFACE Dry 17 44.7% Wet 7 18.4% Mud/Slush 1 2.6% Snow/Ice 12 31.6% Unspecified 1 2.6% Total 38	ACCIDENT SEVERITY Fatal 0 0.0% Injury 7 18.4% Property Damage 31 81.6% Non-Reportable 0 0.0% Total 38	
TIME OF YEAR Winter (Dec-Feb) 13 34.2% Spring (Mar-May) 13 34.2% Summer (Jun-Aug) 9 23.7% Fall (Sep-Nov) 3 7.9% Total 38	TYPE OF VEHICLE Passenger Cars 47 87.0% Commercial Vehicles 7 13.0% Total 54	
DAY OF WEEK Sunday 7 18.4% Monday 9 23.7% Tuesday 3 7.9% Wednesday 4 10.5% Thursday 6 15.8% Friday 4 10.5% Saturday 5 13.2% Total 38	LIGHT CONDITION Daylight 16 42.1% Dawn/Dusk 5 13.2% Night 16 42.1% Unspecified 1 2.6% Total 38	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	4	2
Property Damage Accidents	3	18	10
Non-Reportable Accidents	0	0	0
Total Accidents	4	22	12

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 3 RM 2016-2018 **DATE:** 9/27/2018

TIME OF DAY 6 AM - 10 AM 2 22.2% 10 AM - 4 PM 3 33.3% 4 PM - 7 PM 2 22.2% 7 PM - 12 AM 1 11.1% 12 AM - 6 AM 1 11.1% Unspecified 0 0.0% Total 9	DIRECTION North 7 53.8% South 6 46.2% East 0 0.0% West 0 0.0% Total 13	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 4 44.4% Cloudy 2 22.2% Rain 0 0.0% Snow 2 22.2% Sleet/Hail/Freezing Rain 1 11.1% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 9	ACCIDENT TYPE Rear End 1 11.1% Overtake 2 22.2% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 11.1% Head On 0 0.0% Sideswipe 0 0.0% Total 9	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 3 33.3% Other 1 11.1% Unspecified 0 0.0%
SURFACE Dry 5 55.6% Wet 2 22.2% Mud/Slush 1 11.1% Snow/Ice 1 11.1% Unspecified 0 0.0% Total 9	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 11.1% Property Damage 8 88.9% Non-Reportable 0 0.0% Total 9	
TIME OF YEAR Winter (Dec-Feb) 2 22.2% Spring (Mar-May) 2 22.2% Summer (Jun-Aug) 3 33.3% Fall (Sep-Nov) 2 22.2% Total 9	TYPE OF VEHICLE Passenger Cars 11 84.6% Commercial Vehicles 2 15.4% Total 13	
DAY OF WEEK Sunday 1 11.1% Monday 0 0.0% Tuesday 1 11.1% Wednesday 2 22.2% Thursday 1 11.1% Friday 3 33.3% Saturday 1 11.1% Total 9	LIGHT CONDITION Daylight 6 66.7% Dawn/Dusk 0 0.0% Night 3 33.3% Unspecified 0 0.0% Total 9	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	1
Property Damage Accidents	1	1	6
Non-Reportable Accidents	0	0	0
Total Accidents	1	1	7

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 4 RM 2019-2026 **DATE:** 9/27/2018

TIME OF DAY 6 AM - 10 AM 5 14.7% 10 AM - 4 PM 9 26.5% 4 PM - 7 PM 12 35.3% 7 PM - 12 AM 6 17.6% 12 AM - 6 AM 2 5.9% Unspecified 0 0.0% Total 34	DIRECTION North 24 37.5% South 39 60.9% East 0 0.0% West 1 1.6% Total 64	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 13 38.2% Cloudy 9 26.5% Rain 4 11.8% Snow 7 20.6% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 2.9% Total 34	ACCIDENT TYPE Rear End 16 47.1% Overtake 10 29.4% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 4 11.8% Head On 0 0.0% Sideswipe 0 0.0% Total 34	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 2.9% Animal 1 2.9% Other 2 5.9% Unspecified 0 0.0%
SURFACE Dry 20 58.8% Wet 7 20.6% Mud/Slush 0 0.0% Snow/Ice 6 17.6% Unspecified 1 2.9% Total 34	ACCIDENT SEVERITY Fatal 0 0.0% Injury 7 20.6% Property Damage 27 79.4% Non-Reportable 0 0.0% Total 34	
TIME OF YEAR Winter (Dec-Feb) 14 41.2% Spring (Mar-May) 4 11.8% Summer (Jun-Aug) 10 29.4% Fall (Sep-Nov) 6 17.6% Total 34	TYPE OF VEHICLE Passenger Cars 58 86.6% Commercial Vehicles 9 13.4% Total 67	
DAY OF WEEK Sunday 2 5.9% Monday 5 14.7% Tuesday 7 20.6% Wednesday 4 11.8% Thursday 6 17.6% Friday 3 8.8% Saturday 7 20.6% Total 34	LIGHT CONDITION Daylight 19 55.9% Dawn/Dusk 1 2.9% Night 13 38.2% Unspecified 1 2.9% Total 34	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	2	4
Property Damage Accidents	4	15	8
Non-Reportable Accidents	0	0	0
Total Accidents	5	17	12

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 5 RM 2027-2029 **DATE:** 9/27/2018

TIME OF DAY 6 AM - 10 AM 9 30.0% 10 AM - 4 PM 5 16.7% 4 PM - 7 PM 9 30.0% 7 PM - 12 AM 5 16.7% 12 AM - 6 AM 2 6.7% Unspecified 0 0.0% Total 30	DIRECTION North 25 44.6% South 26 46.4% East 0 0.0% West 1 1.8% Total 56	DIRECTION Northeast 0 0.0% Northwest 2 3.6% Southeast 0 0.0% Southwest 2 3.6% Unspecified 0 0.0%
WEATHER Clear 15 50.0% Cloudy 6 20.0% Rain 1 3.3% Snow 7 23.3% Sleet/Hail/Freezing Rain 1 3.3% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 30	ACCIDENT TYPE Rear End 13 43.3% Overtake 5 16.7% Right Angle 3 10.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 6 20.0% Head On 0 0.0% Sideswipe 0 0.0% Total 30	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 3 10.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 17 56.7% Wet 4 13.3% Mud/Slush 1 3.3% Snow/Ice 8 26.7% Unspecified 0 0.0% Total 30	ACCIDENT SEVERITY Fatal 0 0.0% Injury 3 10.0% Property Damage 27 90.0% Non-Reportable 0 0.0% Total 30	
TIME OF YEAR Winter (Dec-Feb) 13 43.3% Spring (Mar-May) 7 23.3% Summer (Jun-Aug) 3 10.0% Fall (Sep-Nov) 7 23.3% Total 30	TYPE OF VEHICLE Passenger Cars 49 87.5% Commercial Vehicles 7 12.5% Total 56	
DAY OF WEEK Sunday 5 16.7% Monday 5 16.7% Tuesday 2 6.7% Wednesday 7 23.3% Thursday 3 10.0% Friday 4 13.3% Saturday 4 13.3% Total 30	LIGHT CONDITION Daylight 19 63.3% Dawn/Dusk 2 6.7% Night 9 30.0% Unspecified 0 0.0% Total 30	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	2	0
Property Damage Accidents	4	9	14
Non-Reportable Accidents	0	0	0
Total Accidents	5	11	14

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 6 RM 2030-2032 **DATE:** 9/27/2018

TIME OF DAY 6 AM - 10 AM 2 18.2% 10 AM - 4 PM 2 18.2% 4 PM - 7 PM 5 45.5% 7 PM - 12 AM 2 18.2% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 11	DIRECTION North 9 47.4% South 10 52.6% East 0 0.0% West 0 0.0% Total 19	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 1 9.1% Cloudy 4 36.4% Rain 2 18.2% Snow 4 36.4% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 11	ACCIDENT TYPE Rear End 4 36.4% Overtake 2 18.2% Right Angle 0 0.0% Left Turn 1 9.1% Right Turn 0 0.0% Fixed Object 4 36.4% Head On 0 0.0% Sideswipe 0 0.0% Total 11	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 4 36.4% Wet 2 18.2% Mud/Slush 0 0.0% Snow/Ice 4 36.4% Unspecified 1 9.1% Total 11	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 9.1% Property Damage 10 90.9% Non-Reportable 0 0.0% Total 11	
TIME OF YEAR Winter (Dec-Feb) 5 45.5% Spring (Mar-May) 1 9.1% Summer (Jun-Aug) 4 36.4% Fall (Sep-Nov) 1 9.1% Total 11	TYPE OF VEHICLE Passenger Cars 17 89.5% Commercial Vehicles 2 10.5% Total 19	
DAY OF WEEK Sunday 0 0.0% Monday 1 9.1% Tuesday 2 18.2% Wednesday 0 0.0% Thursday 4 36.4% Friday 3 27.3% Saturday 1 9.1% Total 11	LIGHT CONDITION Daylight 5 45.5% Dawn/Dusk 1 9.1% Night 5 45.5% Unspecified 0 0.0% Total 11	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	1
Property Damage Accidents	2	3	5
Non-Reportable Accidents	0	0	0
Total Accidents	2	3	6

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 7 RM 2033-2035 **DATE:** 9/27/2018

TIME OF DAY 6 AM - 10 AM 4 22.2% 10 AM - 4 PM 9 50.0% 4 PM - 7 PM 2 11.1% 7 PM - 12 AM 1 5.6% 12 AM - 6 AM 2 11.1% Unspecified 0 0.0% Total 18	DIRECTION North 20 69.0% South 9 31.0% East 0 0.0% West 0 0.0% Total 29	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 9 50.0% Cloudy 2 11.1% Rain 3 16.7% Snow 3 16.7% Sleet/Hail/Freezing Rain 1 5.6% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 18	ACCIDENT TYPE Rear End 3 16.7% Overtake 6 33.3% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 6 33.3% Head On 0 0.0% Sideswipe 0 0.0% Total 18	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 1 5.6% Other 2 11.1% Unspecified 0 0.0%
SURFACE Dry 10 55.6% Wet 4 22.2% Mud/Slush 0 0.0% Snow/Ice 4 22.2% Unspecified 0 0.0% Total 18	ACCIDENT SEVERITY Fatal 0 0.0% Injury 6 33.3% Property Damage 12 66.7% Non-Reportable 0 0.0% Total 18	
TIME OF YEAR Winter (Dec-Feb) 6 33.3% Spring (Mar-May) 4 22.2% Summer (Jun-Aug) 4 22.2% Fall (Sep-Nov) 4 22.2% Total 18	TYPE OF VEHICLE Passenger Cars 27 93.1% Commercial Vehicles 2 6.9% Total 29	
DAY OF WEEK Sunday 3 16.7% Monday 2 11.1% Tuesday 3 16.7% Wednesday 4 22.2% Thursday 2 11.1% Friday 2 11.1% Saturday 2 11.1% Total 18	LIGHT CONDITION Daylight 12 66.7% Dawn/Dusk 1 5.6% Night 5 27.8% Unspecified 0 0.0% Total 18	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	2	3
Property Damage Accidents	3	5	4
Non-Reportable Accidents	0	0	0
Total Accidents	4	7	7

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 8 RM 2036-2042 **DATE:** 9/27/2018

TIME OF DAY 6 AM - 10 AM 35 21.7% 10 AM - 4 PM 59 36.6% 4 PM - 7 PM 36 22.4% 7 PM - 12 AM 14 8.7% 12 AM - 6 AM 17 10.6% Unspecified 0 0.0% Total 161	DIRECTION North 205 66.3% South 99 32.0% East 2 0.6% West 1 0.3% Total 309	DIRECTION Northeast 1 0.3% Northwest 1 0.3% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 68 42.2% Cloudy 35 21.7% Rain 24 14.9% Snow 29 18.0% Sleet/Hail/Freezing Rain 2 1.2% Fog/Smog/Smoke 0 0.0% Unspecified 3 1.9% Total 161	ACCIDENT TYPE Rear End 65 40.4% Overtake 44 27.3% Right Angle 3 1.9% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 38 23.6% Head On 0 0.0% Sideswipe 1 0.6% Total 161	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 0.6% Animal 1 0.6% Other 6 3.7% Unspecified 0 0.0%
SURFACE Dry 81 50.3% Wet 33 20.5% Mud/Slush 0 0.0% Snow/Ice 43 26.7% Unspecified 4 2.5% Total 161	ACCIDENT SEVERITY Fatal 0 0.0% Injury 36 22.4% Property Damage 125 77.6% Non-Reportable 0 0.0% Total 161	
TIME OF YEAR Winter (Dec-Feb) 61 37.9% Spring (Mar-May) 33 20.5% Summer (Jun-Aug) 21 13.0% Fall (Sep-Nov) 46 28.6% Total 161	TYPE OF VEHICLE Passenger Cars 287 89.4% Commercial Vehicles 34 10.6% Total 321	
DAY OF WEEK Sunday 21 13.0% Monday 18 11.2% Tuesday 29 18.0% Wednesday 26 16.1% Thursday 27 16.8% Friday 30 18.6% Saturday 10 6.2% Total 161	LIGHT CONDITION Daylight 109 67.7% Dawn/Dusk 8 5.0% Night 41 25.5% Unspecified 3 1.9% Total 161	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	9	14	13
Property Damage Accidents	40	44	41
Non-Reportable Accidents	0	0	0
Total Accidents	49	58	54

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 9 RM 2043-2047 **DATE:** 10/2/2018

TIME OF DAY 6 AM - 10 AM 29 28.2% 10 AM - 4 PM 30 29.1% 4 PM - 7 PM 23 22.3% 7 PM - 12 AM 10 9.7% 12 AM - 6 AM 11 10.7% Unspecified 0 0.0% Total 103	DIRECTION North 87 45.5% South 71 37.2% East 7 3.7% West 6 3.1% Total 191	DIRECTION Northeast 1 0.5% Northwest 16 8.4% Southeast 3 1.6% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 47 45.6% Cloudy 25 24.3% Rain 12 11.7% Snow 13 12.6% Sleet/Hail/Freezing Rain 2 1.9% Fog/Smog/Smoke 0 0.0% Unspecified 4 3.9% Total 103	ACCIDENT TYPE Rear End 37 35.9% Overtake 40 38.8% Right Angle 2 1.9% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 21 20.4% Head On 0 0.0% Sideswipe 0 0.0% Total 103	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 2 1.9% Unspecified 0 0.0%
SURFACE Dry 60 58.3% Wet 22 21.4% Mud/Slush 3 2.9% Snow/Ice 14 13.6% Unspecified 4 3.9% Total 103	ACCIDENT SEVERITY Fatal 0 0.0% Injury 19 18.4% Property Damage 84 81.6% Non-Reportable 0 0.0% Total 103	
TIME OF YEAR Winter (Dec-Feb) 28 27.2% Spring (Mar-May) 26 25.2% Summer (Jun-Aug) 21 20.4% Fall (Sep-Nov) 28 27.2% Total 103	TYPE OF VEHICLE Passenger Cars 177 88.5% Commercial Vehicles 23 11.5% Total 200	
DAY OF WEEK Sunday 10 9.7% Monday 25 24.3% Tuesday 15 14.6% Wednesday 17 16.5% Thursday 15 14.6% Friday 16 15.5% Saturday 5 4.9% Total 103	LIGHT CONDITION Daylight 67 65.0% Dawn/Dusk 4 3.9% Night 28 27.2% Unspecified 4 3.9% Total 103	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	6	8	5
Property Damage Accidents	21	30	33
Non-Reportable Accidents	0	0	0
Total Accidents	27	38	38

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 10 RM 2048-2053 **DATE:** 10/2/2018

TIME OF DAY			# ACC	%	DIRECTION			# ACC	%
6 AM - 10 AM			52	27.1%	North			184	47.4%
10 AM - 4 PM			43	22.4%	South			161	41.5%
4 PM - 7 PM			64	33.3%	East			10	2.6%
7 PM - 12 AM			19	9.9%	West			9	2.3%
12 AM - 6 AM			14	7.3%	Total			388	
Unspecified			0	0.0%				Unspecified	
Total			192		ACCIDENT TYPE			# ACC	%
WEATHER			# ACC	%	Rear End			104	54.2%
Clear			108	56.3%	Overtake			45	23.4%
Cloudy			40	20.8%	Right Angle			2	1.0%
Rain			17	8.9%	Left Turn			0	0.0%
Snow			20	10.4%	Right Turn			1	0.5%
Sleet/Hail/Freezing Rain			3	1.6%	Fixed Object			30	15.6%
Fog/Smog/Smoke			0	0.0%	Head On			0	0.0%
Unspecified			4	2.1%	Sideswipe			1	0.5%
Total			192		Total			192	

SURFACE			# ACC	%	ACCIDENT SEVERITY			# ACC	%
Dry			125	65.1%	Fatal			1	0.5%
Wet			37	19.3%	Injury			45	23.4%
Mud/Slush			3	1.6%	Property Damage			146	76.0%
Snow/Ice			24	12.5%	Non-Reportable			0	0.0%
Unspecified			3	1.6%	Total			192	
Total			192						

TIME OF YEAR			# ACC	%	TYPE OF VEHICLE			# ACC	%
Winter (Dec-Feb)			64	33.3%	Passenger Cars			382	92.5%
Spring (Mar-May)			44	22.9%	Commercial Vehicles			31	7.5%
Summer (Jun-Aug)			44	22.9%	Total			413	
Fall (Sep-Nov)			40	20.8%					
Total			192						

DAY OF WEEK			# ACC	%	LIGHT CONDITION			# ACC	%
Sunday			12	6.3%	Daylight			138	71.9%
Monday			25	13.0%	Dawn/Dusk			5	2.6%
Tuesday			28	14.6%	Night			46	24.0%
Wednesday			38	19.8%	Unspecified			3	1.6%
Thursday			37	19.3%	Total			192	
Friday			32	16.7%					
Saturday			20	10.4%					
Total			192						

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	1	0	0
Injury Accidents	18	16	11
Property Damage Accidents	50	44	52
Non-Reportable Accidents	0	0	0
Total Accidents	69	60	63

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 11 RM 2054-2059 **DATE:** 9/27/2018

TIME OF DAY 6 AM - 10 AM 34 27.6% 10 AM - 4 PM 23 18.7% 4 PM - 7 PM 41 33.3% 7 PM - 12 AM 15 12.2% 12 AM - 6 AM 10 8.1% Unspecified 0 0.0% Total 123	DIRECTION North 106 43.6% South 134 55.1% East 0 0.0% West 0 0.0% Total 243	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 2 0.8% Southwest 1 0.4% Unspecified 0 0.0%
WEATHER Clear 59 48.0% Cloudy 33 26.8% Rain 18 14.6% Snow 9 7.3% Sleet/Hail/Freezing Rain 1 0.8% Fog/Smog/Smoke 0 0.0% Unspecified 3 2.4% Total 123	ACCIDENT TYPE Rear End 63 51.2% Overtake 33 26.8% Right Angle 1 0.8% Left Turn 1 0.8% Right Turn 0 0.0% Fixed Object 18 14.6% Head On 0 0.0% Sideswipe 0 0.0% Total 123	ACCIDENT TYPE Pedestrian 1 0.8% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 3 2.4% Animal 0 0.0% Other 3 2.4% Unspecified 0 0.0%
SURFACE Dry 73 59.3% Wet 32 26.0% Mud/Slush 0 0.0% Snow/Ice 13 10.6% Unspecified 5 4.1% Total 123	ACCIDENT SEVERITY Fatal 1 0.8% Injury 23 18.7% Property Damage 99 80.5% Non-Reportable 0 0.0% Total 123	
TIME OF YEAR Winter (Dec-Feb) 41 33.3% Spring (Mar-May) 26 21.1% Summer (Jun-Aug) 23 18.7% Fall (Sep-Nov) 33 26.8% Total 123	TYPE OF VEHICLE Passenger Cars 237 94.0% Commercial Vehicles 15 6.0% Total 252	
DAY OF WEEK Sunday 13 10.6% Monday 22 17.9% Tuesday 22 17.9% Wednesday 16 13.0% Thursday 18 14.6% Friday 20 16.3% Saturday 12 9.8% Total 123	LIGHT CONDITION Daylight 74 60.2% Dawn/Dusk 7 5.7% Night 39 31.7% Unspecified 3 2.4% Total 123	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	1	0	0
Injury Accidents	7	9	7
Property Damage Accidents	29	41	29
Non-Reportable Accidents	0	0	0
Total Accidents	37	50	36

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 12 RM 2060-2161 **DATE:** 9/27/2018

TIME OF DAY 6 AM - 10 AM 9 30.0% 10 AM - 4 PM 10 33.3% 4 PM - 7 PM 6 20.0% 7 PM - 12 AM 3 10.0% 12 AM - 6 AM 2 6.7% Unspecified 0 0.0% Total 30	DIRECTION North 21 36.8% South 31 54.4% East 1 1.8% West 0 0.0% Total 57	DIRECTION Northeast 0 0.0% Northwest 4 7.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 17 56.7% Cloudy 7 23.3% Rain 2 6.7% Snow 4 13.3% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 30	ACCIDENT TYPE Rear End 13 43.3% Overtake 8 26.7% Right Angle 1 3.3% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 4 13.3% Head On 0 0.0% Sideswipe 0 0.0% Total 30	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 3.3% Animal 0 0.0% Other 2 6.7% Unspecified 0 0.0%
SURFACE Dry 23 76.7% Wet 4 13.3% Mud/Slush 0 0.0% Snow/Ice 3 10.0% Unspecified 0 0.0% Total 30	ACCIDENT SEVERITY Fatal 2 6.7% Injury 4 13.3% Property Damage 24 80.0% Non-Reportable 0 0.0% Total 30	
TIME OF YEAR Winter (Dec-Feb) 8 26.7% Spring (Mar-May) 7 23.3% Summer (Jun-Aug) 8 26.7% Fall (Sep-Nov) 7 23.3% Total 30	TYPE OF VEHICLE Passenger Cars 58 98.3% Commercial Vehicles 1 1.7% Total 59	
DAY OF WEEK Sunday 3 10.0% Monday 3 10.0% Tuesday 4 13.3% Wednesday 6 20.0% Thursday 4 13.3% Friday 4 13.3% Saturday 6 20.0% Total 30	LIGHT CONDITION Daylight 22 73.3% Dawn/Dusk 1 3.3% Night 7 23.3% Unspecified 0 0.0% Total 30	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	2	0	0
Injury Accidents	2	1	1
Property Damage Accidents	2	14	8
Non-Reportable Accidents	0	0	0
Total Accidents	6	15	9

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 13 RM 2162-3004 **DATE:** 9/27/2018

TIME OF DAY 6 AM - 10 AM 18 21.7% 10 AM - 4 PM 27 32.5% 4 PM - 7 PM 15 18.1% 7 PM - 12 AM 16 19.3% 12 AM - 6 AM 7 8.4% Unspecified 0 0.0% Total 83	DIRECTION North 81 52.3% South 67 43.2% East 2 1.3% West 0 0.0% Total 155	DIRECTION Northeast 0 0.0% Northwest 2 1.3% Southeast 3 1.9% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 33 39.8% Cloudy 21 25.3% Rain 13 15.7% Snow 15 18.1% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 1.2% Total 83	ACCIDENT TYPE Rear End 23 27.7% Overtake 30 36.1% Right Angle 3 3.6% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 20 24.1% Head On 0 0.0% Sideswipe 0 0.0% Total 83	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 1.2% Animal 2 2.4% Other 4 4.8% Unspecified 0 0.0%
SURFACE Dry 43 51.8% Wet 21 25.3% Mud/Slush 2 2.4% Snow/Ice 16 19.3% Unspecified 1 1.2% Total 83	ACCIDENT SEVERITY Fatal 0 0.0% Injury 22 26.5% Property Damage 61 73.5% Non-Reportable 0 0.0% Total 83	
TIME OF YEAR Winter (Dec-Feb) 34 41.0% Spring (Mar-May) 14 16.9% Summer (Jun-Aug) 12 14.5% Fall (Sep-Nov) 23 27.7% Total 83	TYPE OF VEHICLE Passenger Cars 140 89.7% Commercial Vehicles 16 10.3% Total 156	
DAY OF WEEK Sunday 7 8.4% Monday 15 18.1% Tuesday 14 16.9% Wednesday 13 15.7% Thursday 14 16.9% Friday 9 10.8% Saturday 11 13.3% Total 83	LIGHT CONDITION Daylight 51 61.4% Dawn/Dusk 2 2.4% Night 29 34.9% Unspecified 1 1.2% Total 83	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	4	10	8
Property Damage Accidents	19	24	18
Non-Reportable Accidents	0	0	0
Total Accidents	23	34	26

ACCIDENT SUMMARY SHEET

ROUTE: *I-81* **LOCATION:** *I-481 S Interchange to I-481 N Interchange*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *81/ 3303 2008 - 81/ 3303 3062*
REMARKS: *Selected Accidents: I-81 Segment 14 RM 3005-3009* **DATE:** *9/27/2018*

TIME OF DAY 6 AM - 10 AM 7 16.3% 10 AM - 4 PM 13 30.2% 4 PM - 7 PM 16 37.2% 7 PM - 12 AM 5 11.6% 12 AM - 6 AM 2 4.7% Unspecified 0 0.0% Total 43	DIRECTION North 52 68.4% South 24 31.6% East 0 0.0% West 0 0.0% Total 76	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 8 18.6% Cloudy 19 44.2% Rain 3 7.0% Snow 13 30.2% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 43	ACCIDENT TYPE Rear End 11 25.6% Overtake 12 27.9% Right Angle 1 2.3% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 11 25.6% Head On 0 0.0% Sideswipe 0 0.0% Total 43	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 2.3% Animal 0 0.0% Other 7 16.3% Unspecified 0 0.0%
SURFACE Dry 25 58.1% Wet 4 9.3% Mud/Slush 0 0.0% Snow/Ice 14 32.6% Unspecified 0 0.0% Total 43	ACCIDENT SEVERITY Fatal 0 0.0% Injury 14 32.6% Property Damage 29 67.4% Non-Reportable 0 0.0% Total 43	
TIME OF YEAR Winter (Dec-Feb) 12 27.9% Spring (Mar-May) 13 30.2% Summer (Jun-Aug) 6 14.0% Fall (Sep-Nov) 12 27.9% Total 43	TYPE OF VEHICLE Passenger Cars 72 94.7% Commercial Vehicles 4 5.3% Total 76	
DAY OF WEEK Sunday 1 2.3% Monday 7 16.3% Tuesday 8 18.6% Wednesday 5 11.6% Thursday 11 25.6% Friday 5 11.6% Saturday 6 14.0% Total 43	LIGHT CONDITION Daylight 29 67.4% Dawn/Dusk 1 2.3% Night 13 30.2% Unspecified 0 0.0% Total 43	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	11	2
Property Damage Accidents	6	19	4
Non-Reportable Accidents	0	0	0
Total Accidents	7	30	6

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 15 RM 3010-3016 **DATE:** 10/1/2018

TIME OF DAY			# ACC	%	DIRECTION			# ACC	%
6 AM - 10 AM			13	15.7%	North			78	53.4%
10 AM - 4 PM			24	28.9%	South			67	45.9%
4 PM - 7 PM			27	32.5%	East			0	0.0%
7 PM - 12 AM			9	10.8%	West			0	0.0%
12 AM - 6 AM			10	12.0%	Total			146	
Unspecified			0	0.0%					
Total			83		ACCIDENT TYPE			# ACC	%
WEATHER			# ACC	%	Rear End			35	42.2%
Clear			31	37.3%	Overtake			14	16.9%
Cloudy			33	39.8%	Right Angle			2	2.4%
Rain			7	8.4%	Left Turn			0	0.0%
Snow			10	12.0%	Right Turn			1	1.2%
Sleet/Hail/Freezing Rain			0	0.0%	Fixed Object			21	25.3%
Fog/Smog/Smoke			0	0.0%	Head On			0	0.0%
Unspecified			2	2.4%	Sideswipe			0	0.0%
Total			83		Total			83	

SURFACE			# ACC	%	ACCIDENT SEVERITY			# ACC	%
Dry			59	71.1%	Fatal			0	0.0%
Wet			9	10.8%	Injury			17	20.5%
Mud/Slush			1	1.2%	Property Damage			66	79.5%
Snow/Ice			12	14.5%	Non-Reportable			0	0.0%
Unspecified			2	2.4%	Total			83	
Total			83						

TIME OF YEAR			# ACC	%	TYPE OF VEHICLE			# ACC	%
Winter (Dec-Feb)			16	19.3%	Passenger Cars			141	92.8%
Spring (Mar-May)			21	25.3%	Commercial Vehicles			11	7.2%
Summer (Jun-Aug)			26	31.3%	Total			152	
Fall (Sep-Nov)			20	24.1%					
Total			83						

DAY OF WEEK			# ACC	%	LIGHT CONDITION			# ACC	%
Sunday			7	8.4%	Daylight			55	66.3%
Monday			20	24.1%	Dawn/Dusk			3	3.6%
Tuesday			12	14.5%	Night			23	27.7%
Wednesday			15	18.1%	Unspecified			2	2.4%
Thursday			14	16.9%	Total			83	
Friday			11	13.3%					
Saturday			4	4.8%					
Total			83						

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	12	3
Property Damage Accidents	12	31	23
Non-Reportable Accidents	0	0	0
Total Accidents	14	43	26

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 16 RM 3017-3023 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 6 12.5% 10 AM - 4 PM 17 35.4% 4 PM - 7 PM 13 27.1% 7 PM - 12 AM 2 4.2% 12 AM - 6 AM 10 20.8% Unspecified 0 0.0% Total 48	DIRECTION North 54 65.1% South 27 32.5% East 0 0.0% West 0 0.0% Total 83	DIRECTION Northeast 1 1.2% Northwest 0 0.0% Southeast 0 0.0% Southwest 1 1.2% Unspecified 0 0.0%
WEATHER Clear 14 29.2% Cloudy 12 25.0% Rain 6 12.5% Snow 11 22.9% Sleet/Hail/Freezing Rain 5 10.4% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 48	ACCIDENT TYPE Rear End 19 39.6% Overtake 9 18.8% Right Angle 1 2.1% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 15 31.3% Head On 0 0.0% Sideswipe 0 0.0% Total 48	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 2.1% Animal 1 2.1% Other 2 4.2% Unspecified 0 0.0%
SURFACE Dry 22 45.8% Wet 8 16.7% Mud/Slush 2 4.2% Snow/Ice 16 33.3% Unspecified 0 0.0% Total 48	ACCIDENT SEVERITY Fatal 0 0.0% Injury 10 20.8% Property Damage 38 79.2% Non-Reportable 0 0.0% Total 48	
TIME OF YEAR Winter (Dec-Feb) 17 35.4% Spring (Mar-May) 7 14.6% Summer (Jun-Aug) 8 16.7% Fall (Sep-Nov) 16 33.3% Total 48	TYPE OF VEHICLE Passenger Cars 80 96.4% Commercial Vehicles 3 3.6% Total 83	
DAY OF WEEK Sunday 7 14.6% Monday 3 6.3% Tuesday 7 14.6% Wednesday 5 10.4% Thursday 8 16.7% Friday 13 27.1% Saturday 5 10.4% Total 48	LIGHT CONDITION Daylight 30 62.5% Dawn/Dusk 3 6.3% Night 15 31.3% Unspecified 0 0.0% Total 48	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	5	3
Property Damage Accidents	11	11	16
Non-Reportable Accidents	0	0	0
Total Accidents	13	16	19

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 17 RM 3024-3045 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 27 24.3% 10 AM - 4 PM 32 28.8% 4 PM - 7 PM 24 21.6% 7 PM - 12 AM 13 11.7% 12 AM - 6 AM 15 13.5% Unspecified 0 0.0% Total 111	DIRECTION North 86 51.8% South 70 42.2% East 3 1.8% West 0 0.0% Total 166	DIRECTION Northeast 4 2.4% Northwest 0 0.0% Southeast 0 0.0% Southwest 3 1.8% Unspecified 0 0.0%
WEATHER Clear 27 24.3% Cloudy 52 46.8% Rain 6 5.4% Snow 25 22.5% Sleet/Hail/Freezing Rain 1 0.9% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 111	ACCIDENT TYPE Rear End 23 20.7% Overtake 15 13.5% Right Angle 1 0.9% Left Turn 1 0.9% Right Turn 0 0.0% Fixed Object 39 35.1% Head On 0 0.0% Sideswipe 1 0.9% Total 111	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 4 3.6% Animal 9 8.1% Other 13 11.7% Unspecified 0 0.0%
SURFACE Dry 70 63.1% Wet 13 11.7% Mud/Slush 3 2.7% Snow/Ice 24 21.6% Unspecified 1 0.9% Total 111	ACCIDENT SEVERITY Fatal 0 0.0% Injury 29 26.1% Property Damage 82 73.9% Non-Reportable 0 0.0% Total 111	
TIME OF YEAR Winter (Dec-Feb) 38 34.2% Spring (Mar-May) 26 23.4% Summer (Jun-Aug) 18 16.2% Fall (Sep-Nov) 29 26.1% Total 111	TYPE OF VEHICLE Passenger Cars 155 92.8% Commercial Vehicles 12 7.2% Total 167	
DAY OF WEEK Sunday 15 13.5% Monday 12 10.8% Tuesday 16 14.4% Wednesday 18 16.2% Thursday 18 16.2% Friday 13 11.7% Saturday 19 17.1% Total 111	LIGHT CONDITION Daylight 65 58.6% Dawn/Dusk 6 5.4% Night 40 36.0% Unspecified 0 0.0% Total 111	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	9	7	13
Property Damage Accidents	17	34	31
Non-Reportable Accidents	0	0	0
Total Accidents	26	41	44

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 18 RM 3046-3051 **DATE:** 9/27/2018

TIME OF DAY # ACC % 6 AM - 10 AM 11 25.6% 10 AM - 4 PM 9 20.9% 4 PM - 7 PM 14 32.6% 7 PM - 12 AM 4 9.3% 12 AM - 6 AM 5 11.6% Unspecified 0 0.0% Total 43			DIRECTION # ACC % North 30 41.1% South 42 57.5% East 0 0.0% West 0 0.0% Total 73			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 1 1.4% Unspecified 0 0.0%		
WEATHER # ACC % Clear 11 25.6% Cloudy 17 39.5% Rain 5 11.6% Snow 8 18.6% Sleet/Hail/Freezing Rain 1 2.3% Fog/Smog/Smoke 0 0.0% Unspecified 1 2.3% Total 43			ACCIDENT TYPE # ACC % Rear End 11 25.6% Overtake 15 34.9% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 10 23.3% Head On 0 0.0% Sideswipe 0 0.0% Total 43			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 2 4.7% Animal 2 4.7% Other 3 7.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 22 51.2% Wet 8 18.6% Mud/Slush 1 2.3% Snow/Ice 11 25.6% Unspecified 1 2.3% Total 43			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 8 18.6% Property Damage 35 81.4% Non-Reportable 0 0.0% Total 43					
TIME OF YEAR # ACC % Winter (Dec-Feb) 16 37.2% Spring (Mar-May) 6 14.0% Summer (Jun-Aug) 7 16.3% Fall (Sep-Nov) 14 32.6% Total 43			TYPE OF VEHICLE # ACC % Passenger Cars 65 87.8% Commercial Vehicles 9 12.2% Total 74					
DAY OF WEEK # ACC % Sunday 4 9.3% Monday 3 7.0% Tuesday 12 27.9% Wednesday 9 20.9% Thursday 6 14.0% Friday 4 9.3% Saturday 5 11.6% Total 43			LIGHT CONDITION # ACC % Daylight 22 51.2% Dawn/Dusk 5 11.6% Night 15 34.9% Unspecified 1 2.3% Total 43					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	3	4	1
Property Damage Accidents	11	10	14
Non-Reportable Accidents	0	0	0
Total Accidents	14	14	15

ACCIDENT SUMMARY SHEET

ROUTE: I-81 **LOCATION:** I-481 S Interchange to I-481 N Interchange
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 81/ 3303 2008 - 81/ 3303 3062
REMARKS: Selected Accidents: I-81 Segment 19 RM 3052-3062 **DATE:** 9/27/2018

TIME OF DAY 6 AM - 10 AM 8 11.4% 10 AM - 4 PM 20 28.6% 4 PM - 7 PM 32 45.7% 7 PM - 12 AM 7 10.0% 12 AM - 6 AM 3 4.3% Unspecified 0 0.0% Total 70	DIRECTION North 96 80.0% South 14 11.7% East 0 0.0% West 0 0.0% Total 120	DIRECTION Northeast 8 6.7% Northwest 0 0.0% Southeast 1 0.8% Southwest 1 0.8% Unspecified 0 0.0%
WEATHER Clear 19 27.1% Cloudy 24 34.3% Rain 14 20.0% Snow 11 15.7% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 2 2.9% Total 70	ACCIDENT TYPE Rear End 31 44.3% Overtake 4 5.7% Right Angle 1 1.4% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 22 31.4% Head On 0 0.0% Sideswipe 0 0.0% Total 70	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 2 2.9% Animal 2 2.9% Other 6 8.6% Unspecified 0 0.0%
SURFACE Dry 32 45.7% Wet 24 34.3% Mud/Slush 2 2.9% Snow/Ice 10 14.3% Unspecified 2 2.9% Total 70	ACCIDENT SEVERITY Fatal 0 0.0% Injury 18 25.7% Property Damage 52 74.3% Non-Reportable 0 0.0% Total 70	
TIME OF YEAR Winter (Dec-Feb) 29 41.4% Spring (Mar-May) 9 12.9% Summer (Jun-Aug) 13 18.6% Fall (Sep-Nov) 19 27.1% Total 70	TYPE OF VEHICLE Passenger Cars 111 91.0% Commercial Vehicles 11 9.0% Total 122	
DAY OF WEEK Sunday 5 7.1% Monday 14 20.0% Tuesday 8 11.4% Wednesday 15 21.4% Thursday 13 18.6% Friday 10 14.3% Saturday 5 7.1% Total 70	LIGHT CONDITION Daylight 41 58.6% Dawn/Dusk 2 2.9% Night 25 35.7% Unspecified 2 2.9% Total 70	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	7	1	10
Property Damage Accidents	19	17	16
Non-Reportable Accidents	0	0	0
Total Accidents	26	18	26

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 1 RM 1000-1005 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 1 14.3% 10 AM - 4 PM 2 28.6% 4 PM - 7 PM 1 14.3% 7 PM - 12 AM 1 14.3% 12 AM - 6 AM 2 28.6% Unspecified 0 0.0% Total 7	DIRECTION North 1 12.5% South 2 25.0% East 3 37.5% West 0 0.0% Total 8	DIRECTION Northeast 1 12.5% Northwest 0 0.0% Southeast 1 12.5% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 2 28.6% Cloudy 0 0.0% Rain 1 14.3% Snow 2 28.6% Sleet/Hail/Freezing Rain 2 28.6% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 7	ACCIDENT TYPE Rear End 0 0.0% Overtake 1 14.3% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 3 42.9% Head On 0 0.0% Sideswipe 0 0.0% Total 7	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 14.3% Animal 2 28.6% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 2 28.6% Wet 1 14.3% Mud/Slush 0 0.0% Snow/Ice 4 57.1% Unspecified 0 0.0% Total 7	ACCIDENT SEVERITY Fatal 0 0.0% Injury 2 28.6% Property Damage 5 71.4% Non-Reportable 0 0.0% Total 7	
TIME OF YEAR Winter (Dec-Feb) 4 57.1% Spring (Mar-May) 2 28.6% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 1 14.3% Total 7	TYPE OF VEHICLE Passenger Cars 8 100.0% Commercial Vehicles 0 0.0% Total 8	
DAY OF WEEK Sunday 1 14.3% Monday 0 0.0% Tuesday 3 42.9% Wednesday 2 28.6% Thursday 0 0.0% Friday 1 14.3% Saturday 0 0.0% Total 7	LIGHT CONDITION Daylight 2 28.6% Dawn/Dusk 1 14.3% Night 4 57.1% Unspecified 0 0.0% Total 7	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	1
Property Damage Accidents	1	1	3
Non-Reportable Accidents	0	0	0
Total Accidents	1	2	4

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 2 RM 2000-2005 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 6 46.2% 10 AM - 4 PM 5 38.5% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 2 15.4% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 13	DIRECTION North 10 50.0% South 4 20.0% East 4 20.0% West 2 10.0% Total 20	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 4 30.8% Cloudy 5 38.5% Rain 2 15.4% Snow 1 7.7% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 1 7.7% Unspecified 0 0.0% Total 13	ACCIDENT TYPE Rear End 5 38.5% Overtake 1 7.7% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 7.7% Head On 0 0.0% Sideswipe 0 0.0% Total 13	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 7.7% Animal 3 23.1% Other 2 15.4% Unspecified 0 0.0%
SURFACE Dry 7 53.8% Wet 3 23.1% Mud/Slush 0 0.0% Snow/Ice 3 23.1% Unspecified 0 0.0% Total 13	ACCIDENT SEVERITY Fatal 0 0.0% Injury 4 30.8% Property Damage 9 69.2% Non-Reportable 0 0.0% Total 13	
TIME OF YEAR Winter (Dec-Feb) 5 38.5% Spring (Mar-May) 2 15.4% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 6 46.2% Total 13	TYPE OF VEHICLE Passenger Cars 18 90.0% Commercial Vehicles 2 10.0% Total 20	
DAY OF WEEK Sunday 1 7.7% Monday 2 15.4% Tuesday 2 15.4% Wednesday 1 7.7% Thursday 4 30.8% Friday 3 23.1% Saturday 0 0.0% Total 13	LIGHT CONDITION Daylight 10 76.9% Dawn/Dusk 0 0.0% Night 3 23.1% Unspecified 0 0.0% Total 13	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	0	2
Property Damage Accidents	1	3	5
Non-Reportable Accidents	0	0	0
Total Accidents	3	3	7

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 3 RM 2006-2023 **DATE:** 10/1/2018

TIME OF DAY # ACC % 6 AM - 10 AM 4 13.8% 10 AM - 4 PM 7 24.1% 4 PM - 7 PM 6 20.7% 7 PM - 12 AM 6 20.7% 12 AM - 6 AM 6 20.7% Unspecified 0 0.0% Total 29			DIRECTION # ACC % North 13 38.2% South 11 32.4% East 5 14.7% West 0 0.0% Total 34			DIRECTION # ACC % Northeast 2 5.9% Northwest 0 0.0% Southeast 0 0.0% Southwest 3 8.8% Unspecified 0 0.0%		
WEATHER # ACC % Clear 8 27.6% Cloudy 9 31.0% Rain 2 6.9% Snow 8 27.6% Sleet/Hail/Freezing Rain 1 3.4% Fog/Smog/Smoke 0 0.0% Unspecified 1 3.4% Total 29			ACCIDENT TYPE # ACC % Rear End 3 10.3% Overtake 3 10.3% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 12 41.4% Head On 0 0.0% Sideswipe 0 0.0% Total 29			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 2 6.9% Animal 7 24.1% Other 2 6.9% Unspecified 0 0.0%		
SURFACE # ACC % Dry 13 44.8% Wet 6 20.7% Mud/Slush 1 3.4% Snow/Ice 8 27.6% Unspecified 1 3.4% Total 29			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 6 20.7% Property Damage 23 79.3% Non-Reportable 0 0.0% Total 29					
TIME OF YEAR # ACC % Winter (Dec-Feb) 6 20.7% Spring (Mar-May) 10 34.5% Summer (Jun-Aug) 3 10.3% Fall (Sep-Nov) 10 34.5% Total 29			TYPE OF VEHICLE # ACC % Passenger Cars 32 91.4% Commercial Vehicles 3 8.6% Total 35					
DAY OF WEEK # ACC % Sunday 6 20.7% Monday 4 13.8% Tuesday 7 24.1% Wednesday 3 10.3% Thursday 4 13.8% Friday 2 6.9% Saturday 3 10.3% Total 29			LIGHT CONDITION # ACC % Daylight 16 55.2% Dawn/Dusk 2 6.9% Night 10 34.5% Unspecified 1 3.4% Total 29					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	1	3
Property Damage Accidents	8	7	8
Non-Reportable Accidents	0	0	0
Total Accidents	10	8	11

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 4 RM 2024-2031 **DATE:** 10/1/2018

TIME OF DAY			# ACC	%	DIRECTION			# ACC	%
6 AM - 10 AM			5	27.8%	North			9	40.9%
10 AM - 4 PM			5	27.8%	South			9	40.9%
4 PM - 7 PM			4	22.2%	East			1	4.5%
7 PM - 12 AM			3	16.7%	West			0	0.0%
12 AM - 6 AM			1	5.6%	Total			22	
Unspecified			0	0.0%					
Total			18		ACCIDENT TYPE			# ACC	%
WEATHER			# ACC	%	Rear End			0	0.0%
Clear			7	38.9%	Overtake			3	16.7%
Cloudy			7	38.9%	Right Angle			0	0.0%
Rain			1	5.6%	Left Turn			0	0.0%
Snow			3	16.7%	Right Turn			0	0.0%
Sleet/Hail/Freezing Rain			0	0.0%	Fixed Object			1	5.6%
Fog/Smog/Smoke			0	0.0%	Head On			0	0.0%
Unspecified			0	0.0%	Sideswipe			0	0.0%
Total			18		Total			18	

SURFACE			# ACC	%	ACCIDENT SEVERITY			# ACC	%
Dry			12	66.7%	Fatal			0	0.0%
Wet			1	5.6%	Injury			0	0.0%
Mud/Slush			0	0.0%	Property Damage			18	100.0%
Snow/Ice			4	22.2%	Non-Reportable			0	0.0%
Unspecified			1	5.6%	Total			18	
Total			18						

TIME OF YEAR			# ACC	%	TYPE OF VEHICLE			# ACC	%
Winter (Dec-Feb)			5	27.8%	Passenger Cars			20	90.9%
Spring (Mar-May)			4	22.2%	Commercial Vehicles			2	9.1%
Summer (Jun-Aug)			2	11.1%	Total			22	
Fall (Sep-Nov)			7	38.9%					
Total			18						

DAY OF WEEK			# ACC	%	LIGHT CONDITION			# ACC	%
Sunday			1	5.6%	Daylight			10	55.6%
Monday			0	0.0%	Dawn/Dusk			0	0.0%
Tuesday			4	22.2%	Night			8	44.4%
Wednesday			1	5.6%	Unspecified			0	0.0%
Thursday			5	27.8%	Total			18	
Friday			4	22.2%					
Saturday			3	16.7%					
Total			18						

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	8	6	4
Non-Reportable Accidents	0	0	0
Total Accidents	8	6	4

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 5 RM 2032-2042 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 6 25.0% 10 AM - 4 PM 6 25.0% 4 PM - 7 PM 6 25.0% 7 PM - 12 AM 4 16.7% 12 AM - 6 AM 2 8.3% Unspecified 0 0.0% Total 24	DIRECTION North 15 42.9% South 11 31.4% East 2 5.7% West 0 0.0% Total 35	DIRECTION Northeast 3 8.6% Northwest 0 0.0% Southeast 2 5.7% Southwest 2 5.7% Unspecified 0 0.0%
WEATHER Clear 12 50.0% Cloudy 6 25.0% Rain 2 8.3% Snow 4 16.7% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 24	ACCIDENT TYPE Rear End 6 25.0% Overtake 4 16.7% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 3 12.5% Head On 0 0.0% Sideswipe 0 0.0% Total 24	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 4 16.7% Animal 6 25.0% Other 1 4.2% Unspecified 0 0.0%
SURFACE Dry 18 75.0% Wet 2 8.3% Mud/Slush 0 0.0% Snow/Ice 4 16.7% Unspecified 0 0.0% Total 24	ACCIDENT SEVERITY Fatal 0 0.0% Injury 7 29.2% Property Damage 17 70.8% Non-Reportable 0 0.0% Total 24	
TIME OF YEAR Winter (Dec-Feb) 4 16.7% Spring (Mar-May) 9 37.5% Summer (Jun-Aug) 6 25.0% Fall (Sep-Nov) 5 20.8% Total 24	TYPE OF VEHICLE Passenger Cars 32 91.4% Commercial Vehicles 3 8.6% Total 35	
DAY OF WEEK Sunday 1 4.2% Monday 3 12.5% Tuesday 3 12.5% Wednesday 2 8.3% Thursday 5 20.8% Friday 7 29.2% Saturday 3 12.5% Total 24	LIGHT CONDITION Daylight 16 66.7% Dawn/Dusk 1 4.2% Night 7 29.2% Unspecified 0 0.0% Total 24	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	3	0	4
Property Damage Accidents	5	7	5
Non-Reportable Accidents	0	0	0
Total Accidents	8	7	9

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 6 RM 2043-2049 **DATE:** 10/1/2018

TIME OF DAY # ACC % 6 AM - 10 AM 16 18.8% 10 AM - 4 PM 20 23.5% 4 PM - 7 PM 42 49.4% 7 PM - 12 AM 5 5.9% 12 AM - 6 AM 2 2.4% Unspecified 0 0.0% Total 85			DIRECTION # ACC % North 21 12.1% South 97 56.1% East 4 2.3% West 6 3.5% Total 173			DIRECTION # ACC % Northeast 16 9.2% Northwest 4 2.3% Southeast 2 1.2% Southwest 23 13.3% Unspecified 0 0.0%		
WEATHER # ACC % Clear 27 31.8% Cloudy 43 50.6% Rain 10 11.8% Snow 3 3.5% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 2 2.4% Total 85			ACCIDENT TYPE # ACC % Rear End 64 75.3% Overtake 9 10.6% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 7 8.2% Head On 0 0.0% Sideswipe 0 0.0% Total 85			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 1.2% Animal 0 0.0% Other 4 4.7% Unspecified 0 0.0%		
SURFACE # ACC % Dry 55 64.7% Wet 21 24.7% Mud/Slush 0 0.0% Snow/Ice 7 8.2% Unspecified 2 2.4% Total 85			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 21 24.7% Property Damage 64 75.3% Non-Reportable 0 0.0% Total 85					
TIME OF YEAR # ACC % Winter (Dec-Feb) 26 30.6% Spring (Mar-May) 18 21.2% Summer (Jun-Aug) 12 14.1% Fall (Sep-Nov) 29 34.1% Total 85			TYPE OF VEHICLE # ACC % Passenger Cars 170 96.6% Commercial Vehicles 6 3.4% Total 176					
DAY OF WEEK # ACC % Sunday 3 3.5% Monday 6 7.1% Tuesday 18 21.2% Wednesday 14 16.5% Thursday 26 30.6% Friday 13 15.3% Saturday 5 5.9% Total 85			LIGHT CONDITION # ACC % Daylight 59 69.4% Dawn/Dusk 6 7.1% Night 18 21.2% Unspecified 2 2.4% Total 85					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	11	6	4
Property Damage Accidents	21	24	19
Non-Reportable Accidents	0	0	0
Total Accidents	32	30	23

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 7 RM 2050-2057 **DATE:** 10/1/2018

TIME OF DAY # ACC % 6 AM - 10 AM 2 14.3% 10 AM - 4 PM 3 21.4% 4 PM - 7 PM 5 35.7% 7 PM - 12 AM 2 14.3% 12 AM - 6 AM 2 14.3% Unspecified 0 0.0% Total 14			DIRECTION # ACC % North 12 50.0% South 12 50.0% East 0 0.0% West 0 0.0% Total 24			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 7 50.0% Cloudy 2 14.3% Rain 2 14.3% Snow 3 21.4% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 14			ACCIDENT TYPE # ACC % Rear End 8 57.1% Overtake 2 14.3% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 7.1% Head On 0 0.0% Sideswipe 0 0.0% Total 14			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 3 21.4% Other 0 0.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 9 64.3% Wet 2 14.3% Mud/Slush 0 0.0% Snow/Ice 3 21.4% Unspecified 0 0.0% Total 14			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 5 35.7% Property Damage 9 64.3% Non-Reportable 0 0.0% Total 14					
TIME OF YEAR # ACC % Winter (Dec-Feb) 5 35.7% Spring (Mar-May) 4 28.6% Summer (Jun-Aug) 3 21.4% Fall (Sep-Nov) 2 14.3% Total 14			TYPE OF VEHICLE # ACC % Passenger Cars 24 100.0% Commercial Vehicles 0 0.0% Total 24					
DAY OF WEEK # ACC % Sunday 3 21.4% Monday 0 0.0% Tuesday 3 21.4% Wednesday 2 14.3% Thursday 3 21.4% Friday 0 0.0% Saturday 3 21.4% Total 14			LIGHT CONDITION # ACC % Daylight 8 57.1% Dawn/Dusk 0 0.0% Night 6 42.9% Unspecified 0 0.0% Total 14					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	4	0
Property Damage Accidents	1	6	2
Non-Reportable Accidents	0	0	0
Total Accidents	2	10	2

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 8 RM 2058-2067 **DATE:** 10/1/2018

TIME OF DAY # ACC % 6 AM - 10 AM 10 25.0% 10 AM - 4 PM 15 37.5% 4 PM - 7 PM 6 15.0% 7 PM - 12 AM 6 15.0% 12 AM - 6 AM 3 7.5% Unspecified 0 0.0% Total 40			DIRECTION # ACC % North 31 50.0% South 28 45.2% East 0 0.0% West 1 1.6% Total 62			DIRECTION # ACC % Northeast 1 1.6% Northwest 0 0.0% Southeast 0 0.0% Southwest 1 1.6% Unspecified 0 0.0%		
WEATHER # ACC % Clear 12 30.0% Cloudy 13 32.5% Rain 4 10.0% Snow 9 22.5% Sleet/Hail/Freezing Rain 2 5.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 40			ACCIDENT TYPE # ACC % Rear End 8 20.0% Overtake 8 20.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 14 35.0% Head On 0 0.0% Sideswipe 1 2.5% Total 40			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 4 10.0% Other 5 12.5% Unspecified 0 0.0%		
SURFACE # ACC % Dry 21 52.5% Wet 7 17.5% Mud/Slush 1 2.5% Snow/Ice 11 27.5% Unspecified 0 0.0% Total 40			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 7 17.5% Property Damage 33 82.5% Non-Reportable 0 0.0% Total 40					
TIME OF YEAR # ACC % Winter (Dec-Feb) 17 42.5% Spring (Mar-May) 9 22.5% Summer (Jun-Aug) 5 12.5% Fall (Sep-Nov) 9 22.5% Total 40			TYPE OF VEHICLE # ACC % Passenger Cars 59 95.2% Commercial Vehicles 3 4.8% Total 62					
DAY OF WEEK # ACC % Sunday 7 17.5% Monday 9 22.5% Tuesday 5 12.5% Wednesday 5 12.5% Thursday 8 20.0% Friday 6 15.0% Saturday 0 0.0% Total 40			LIGHT CONDITION # ACC % Daylight 25 62.5% Dawn/Dusk 2 5.0% Night 13 32.5% Unspecified 0 0.0% Total 40					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	4	0	3
Property Damage Accidents	10	13	10
Non-Reportable Accidents	0	0	0
Total Accidents	14	13	13

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 9 RM 2068-2074 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 5 31.3% 10 AM - 4 PM 6 37.5% 4 PM - 7 PM 1 6.3% 7 PM - 12 AM 2 12.5% 12 AM - 6 AM 2 12.5% Unspecified 0 0.0% Total 16	DIRECTION North 12 46.2% South 12 46.2% East 1 3.8% West 0 0.0% Total 26	DIRECTION Northeast 0 0.0% Northwest 1 3.8% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 6 37.5% Cloudy 6 37.5% Rain 3 18.8% Snow 1 6.3% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 16	ACCIDENT TYPE Rear End 5 31.3% Overtake 1 6.3% Right Angle 1 6.3% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 5 31.3% Head On 0 0.0% Sideswipe 0 0.0% Total 16	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 2 12.5% Other 2 12.5% Unspecified 0 0.0%
SURFACE Dry 10 62.5% Wet 3 18.8% Mud/Slush 0 0.0% Snow/Ice 3 18.8% Unspecified 0 0.0% Total 16	ACCIDENT SEVERITY Fatal 0 0.0% Injury 3 18.8% Property Damage 13 81.3% Non-Reportable 0 0.0% Total 16	
TIME OF YEAR Winter (Dec-Feb) 5 31.3% Spring (Mar-May) 2 12.5% Summer (Jun-Aug) 4 25.0% Fall (Sep-Nov) 5 31.3% Total 16	TYPE OF VEHICLE Passenger Cars 26 96.3% Commercial Vehicles 1 3.7% Total 27	
DAY OF WEEK Sunday 1 6.3% Monday 3 18.8% Tuesday 5 31.3% Wednesday 0 0.0% Thursday 3 18.8% Friday 3 18.8% Saturday 1 6.3% Total 16	LIGHT CONDITION Daylight 11 68.8% Dawn/Dusk 2 12.5% Night 3 18.8% Unspecified 0 0.0% Total 16	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	2	1
Property Damage Accidents	7	3	3
Non-Reportable Accidents	0	0	0
Total Accidents	7	5	4

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 10 RM 2075-2082 **DATE:** 10/1/2018

TIME OF DAY # ACC % 6 AM - 10 AM 27 51.9% 10 AM - 4 PM 12 23.1% 4 PM - 7 PM 6 11.5% 7 PM - 12 AM 3 5.8% 12 AM - 6 AM 4 7.7% Unspecified 0 0.0% Total 52			DIRECTION # ACC % North 25 27.8% South 50 55.6% East 0 0.0% West 2 2.2% Total 90			DIRECTION # ACC % Northeast 6 6.7% Northwest 0 0.0% Southeast 0 0.0% Southwest 7 7.8% Unspecified 0 0.0%		
WEATHER # ACC % Clear 18 34.6% Cloudy 21 40.4% Rain 3 5.8% Snow 9 17.3% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 1.9% Total 52			ACCIDENT TYPE # ACC % Rear End 27 51.9% Overtake 4 7.7% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 10 19.2% Head On 0 0.0% Sideswipe 0 0.0% Total 52			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 2 3.8% Animal 2 3.8% Other 7 13.5% Unspecified 0 0.0%		
SURFACE # ACC % Dry 33 63.5% Wet 5 9.6% Mud/Slush 0 0.0% Snow/Ice 13 25.0% Unspecified 1 1.9% Total 52			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 13 25.0% Property Damage 39 75.0% Non-Reportable 0 0.0% Total 52					
TIME OF YEAR # ACC % Winter (Dec-Feb) 20 38.5% Spring (Mar-May) 9 17.3% Summer (Jun-Aug) 12 23.1% Fall (Sep-Nov) 11 21.2% Total 52			TYPE OF VEHICLE # ACC % Passenger Cars 85 92.4% Commercial Vehicles 7 7.6% Total 92					
DAY OF WEEK # ACC % Sunday 4 7.7% Monday 7 13.5% Tuesday 13 25.0% Wednesday 7 13.5% Thursday 4 7.7% Friday 11 21.2% Saturday 6 11.5% Total 52			LIGHT CONDITION # ACC % Daylight 44 84.6% Dawn/Dusk 1 1.9% Night 6 11.5% Unspecified 1 1.9% Total 52					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	5	6	2
Property Damage Accidents	9	14	16
Non-Reportable Accidents	0	0	0
Total Accidents	14	20	18

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 11 RM 2083-2089 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 4 28.6% 10 AM - 4 PM 3 21.4% 4 PM - 7 PM 4 28.6% 7 PM - 12 AM 3 21.4% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 14	DIRECTION North 3 16.7% South 10 55.6% East 0 0.0% West 1 5.6% Total 18	DIRECTION Northeast 0 0.0% Northwest 1 5.6% Southeast 1 5.6% Southwest 2 11.1% Unspecified 0 0.0%
WEATHER Clear 5 35.7% Cloudy 6 42.9% Rain 2 14.3% Snow 1 7.1% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 14	ACCIDENT TYPE Rear End 2 14.3% Overtake 0 0.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 6 42.9% Head On 0 0.0% Sideswipe 0 0.0% Total 14	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 2 14.3% Animal 1 7.1% Other 3 21.4% Unspecified 0 0.0%
SURFACE Dry 10 71.4% Wet 2 14.3% Mud/Slush 0 0.0% Snow/Ice 2 14.3% Unspecified 0 0.0% Total 14	ACCIDENT SEVERITY Fatal 0 0.0% Injury 5 35.7% Property Damage 9 64.3% Non-Reportable 0 0.0% Total 14	
TIME OF YEAR Winter (Dec-Feb) 4 28.6% Spring (Mar-May) 1 7.1% Summer (Jun-Aug) 4 28.6% Fall (Sep-Nov) 5 35.7% Total 14	TYPE OF VEHICLE Passenger Cars 15 83.3% Commercial Vehicles 3 16.7% Total 18	
DAY OF WEEK Sunday 2 14.3% Monday 1 7.1% Tuesday 6 42.9% Wednesday 2 14.3% Thursday 1 7.1% Friday 0 0.0% Saturday 2 14.3% Total 14	LIGHT CONDITION Daylight 10 71.4% Dawn/Dusk 1 7.1% Night 3 21.4% Unspecified 0 0.0% Total 14	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	3	1
Property Damage Accidents	4	5	0
Non-Reportable Accidents	0	0	0
Total Accidents	5	8	1

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 12 RM 2090-2094 **DATE:** 10/1/2018

TIME OF DAY # ACC %			DIRECTION # ACC %			DIRECTION # ACC %		
6 AM - 10 AM			North			Northeast		
10 AM - 4 PM			South			Northwest		
4 PM - 7 PM			East			Southeast		
7 PM - 12 AM			West			Southwest		
12 AM - 6 AM						Unspecified		
Unspecified			Total					
Total			15					
			ACCIDENT TYPE # ACC %			ACCIDENT TYPE # ACC %		
WEATHER # ACC %			Rear End			Pedestrian		
Clear			Overtake			Bicycle		
Cloudy			Right Angle			Parked Vehicle		
Rain			Left Turn			Backing		
Snow			Right Turn			Run Off The Road		
Sleet/Hail/Freezing Rain			Fixed Object			Animal		
Fog/Smog/Smoke			Head On			Other		
Unspecified			Sideswipe			Unspecified		
Total			Total			10		
SURFACE # ACC %			ACCIDENT SEVERITY # ACC %					
Dry			Fatal					
Wet			Injury					
Mud/Slush			Property Damage					
Snow/Ice			Non-Reportable					
Unspecified			Total			10		
Total								
TIME OF YEAR # ACC %			TYPE OF VEHICLE # ACC %					
Winter (Dec-Feb)			Passenger Cars					
Spring (Mar-May)			Commercial Vehicles					
Summer (Jun-Aug)			Total			15		
Fall (Sep-Nov)								
Total								
DAY OF WEEK # ACC %			LIGHT CONDITION # ACC %					
Sunday			Daylight					
Monday			Dawn/Dusk					
Tuesday			Night					
Wednesday			Unspecified					
Thursday			Total			10		
Friday								
Saturday								
Total								

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	1	4	5
Non-Reportable Accidents	0	0	0
Total Accidents	1	4	5

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 13 RM 2095-2098 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 2 20.0% 10 AM - 4 PM 3 30.0% 4 PM - 7 PM 1 10.0% 7 PM - 12 AM 2 20.0% 12 AM - 6 AM 2 20.0% Unspecified 0 0.0% Total 10	DIRECTION North 5 35.7% South 8 57.1% East 1 7.1% West 0 0.0% Total 14	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 4 40.0% Cloudy 4 40.0% Rain 2 20.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 10	ACCIDENT TYPE Rear End 1 10.0% Overtake 3 30.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 2 20.0% Head On 0 0.0% Sideswipe 0 0.0% Total 10	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 2 20.0% Other 2 20.0% Unspecified 0 0.0%
SURFACE Dry 4 40.0% Wet 3 30.0% Mud/Slush 0 0.0% Snow/Ice 3 30.0% Unspecified 0 0.0% Total 10	ACCIDENT SEVERITY Fatal 0 0.0% Injury 3 30.0% Property Damage 7 70.0% Non-Reportable 0 0.0% Total 10	
TIME OF YEAR Winter (Dec-Feb) 4 40.0% Spring (Mar-May) 4 40.0% Summer (Jun-Aug) 2 20.0% Fall (Sep-Nov) 0 0.0% Total 10	TYPE OF VEHICLE Passenger Cars 12 85.7% Commercial Vehicles 2 14.3% Total 14	
DAY OF WEEK Sunday 1 10.0% Monday 2 20.0% Tuesday 3 30.0% Wednesday 0 0.0% Thursday 2 20.0% Friday 2 20.0% Saturday 0 0.0% Total 10	LIGHT CONDITION Daylight 5 50.0% Dawn/Dusk 1 10.0% Night 4 40.0% Unspecified 0 0.0% Total 10	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	0	2
Property Damage Accidents	2	4	1
Non-Reportable Accidents	0	0	0
Total Accidents	3	4	3

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 14 RM 2099-2101 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 3 50.0% 10 AM - 4 PM 1 16.7% 4 PM - 7 PM 1 16.7% 7 PM - 12 AM 1 16.7% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 6	DIRECTION North 5 50.0% South 5 50.0% East 0 0.0% West 0 0.0% Total 10	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 3 50.0% Cloudy 1 16.7% Rain 0 0.0% Snow 2 33.3% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 6	ACCIDENT TYPE Rear End 3 50.0% Overtake 1 16.7% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 16.7% Head On 0 0.0% Sideswipe 0 0.0% Total 6	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 16.7% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 3 50.0% Wet 1 16.7% Mud/Slush 0 0.0% Snow/Ice 2 33.3% Unspecified 0 0.0% Total 6	ACCIDENT SEVERITY Fatal 0 0.0% Injury 3 50.0% Property Damage 3 50.0% Non-Reportable 0 0.0% Total 6	
TIME OF YEAR Winter (Dec-Feb) 3 50.0% Spring (Mar-May) 1 16.7% Summer (Jun-Aug) 1 16.7% Fall (Sep-Nov) 1 16.7% Total 6	TYPE OF VEHICLE Passenger Cars 9 90.0% Commercial Vehicles 1 10.0% Total 10	
DAY OF WEEK Sunday 1 16.7% Monday 2 33.3% Tuesday 1 16.7% Wednesday 2 33.3% Thursday 0 0.0% Friday 0 0.0% Saturday 0 0.0% Total 6	LIGHT CONDITION Daylight 4 66.7% Dawn/Dusk 1 16.7% Night 1 16.7% Unspecified 0 0.0% Total 6	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	0	1
Property Damage Accidents	1	1	1
Non-Reportable Accidents	0	0	0
Total Accidents	3	1	2

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 15 RM 2102-2126 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 9 32.1% 10 AM - 4 PM 10 35.7% 4 PM - 7 PM 5 17.9% 7 PM - 12 AM 2 7.1% 12 AM - 6 AM 2 7.1% Unspecified 0 0.0% Total 28	DIRECTION North 13 34.2% South 20 52.6% East 1 2.6% West 0 0.0% Total 38	DIRECTION Northeast 0 0.0% Northwest 4 10.5% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 9 32.1% Cloudy 9 32.1% Rain 2 7.1% Snow 8 28.6% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 28	ACCIDENT TYPE Rear End 3 10.7% Overtake 4 14.3% Right Angle 1 3.6% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 5 17.9% Head On 0 0.0% Sideswipe 0 0.0% Total 28	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 7 25.0% Animal 6 21.4% Other 2 7.1% Unspecified 0 0.0%
SURFACE Dry 17 60.7% Wet 3 10.7% Mud/Slush 0 0.0% Snow/Ice 8 28.6% Unspecified 0 0.0% Total 28	ACCIDENT SEVERITY Fatal 0 0.0% Injury 8 28.6% Property Damage 20 71.4% Non-Reportable 0 0.0% Total 28	
TIME OF YEAR Winter (Dec-Feb) 13 46.4% Spring (Mar-May) 6 21.4% Summer (Jun-Aug) 4 14.3% Fall (Sep-Nov) 5 17.9% Total 28	TYPE OF VEHICLE Passenger Cars 34 89.5% Commercial Vehicles 4 10.5% Total 38	
DAY OF WEEK Sunday 1 3.6% Monday 4 14.3% Tuesday 3 10.7% Wednesday 10 35.7% Thursday 2 7.1% Friday 8 28.6% Saturday 0 0.0% Total 28	LIGHT CONDITION Daylight 22 78.6% Dawn/Dusk 1 3.6% Night 5 17.9% Unspecified 0 0.0% Total 28	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	3	3
Property Damage Accidents	6	5	9
Non-Reportable Accidents	0	0	0
Total Accidents	8	8	12

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 16 RM 2127-2132 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 5 26.3% 10 AM - 4 PM 6 31.6% 4 PM - 7 PM 3 15.8% 7 PM - 12 AM 4 21.1% 12 AM - 6 AM 1 5.3% Unspecified 0 0.0% Total 19	DIRECTION North 12 50.0% South 5 20.8% East 2 8.3% West 2 8.3% Total 24	DIRECTION Northeast 2 8.3% Northwest 1 4.2% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 4 21.1% Cloudy 8 42.1% Rain 2 10.5% Snow 2 10.5% Sleet/Hail/Freezing Rain 2 10.5% Fog/Smog/Smoke 0 0.0% Unspecified 1 5.3% Total 19	ACCIDENT TYPE Rear End 2 10.5% Overtake 3 15.8% Right Angle 1 5.3% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 5 26.3% Head On 0 0.0% Sideswipe 0 0.0% Total 19	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 5.3% Animal 3 15.8% Other 4 21.1% Unspecified 0 0.0%
SURFACE Dry 8 42.1% Wet 7 36.8% Mud/Slush 0 0.0% Snow/Ice 3 15.8% Unspecified 1 5.3% Total 19	ACCIDENT SEVERITY Fatal 0 0.0% Injury 5 26.3% Property Damage 14 73.7% Non-Reportable 0 0.0% Total 19	
TIME OF YEAR Winter (Dec-Feb) 6 31.6% Spring (Mar-May) 3 15.8% Summer (Jun-Aug) 4 21.1% Fall (Sep-Nov) 6 31.6% Total 19	TYPE OF VEHICLE Passenger Cars 20 80.0% Commercial Vehicles 5 20.0% Total 25	
DAY OF WEEK Sunday 3 15.8% Monday 1 5.3% Tuesday 3 15.8% Wednesday 2 10.5% Thursday 1 5.3% Friday 6 31.6% Saturday 3 15.8% Total 19	LIGHT CONDITION Daylight 11 57.9% Dawn/Dusk 3 15.8% Night 4 21.1% Unspecified 1 5.3% Total 19	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	1	2
Property Damage Accidents	6	4	4
Non-Reportable Accidents	0	0	0
Total Accidents	8	5	6

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 17 RM 2134-2137 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 1 16.7% 10 AM - 4 PM 1 16.7% 4 PM - 7 PM 4 66.7% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 6	DIRECTION North 8 66.7% South 0 0.0% East 2 16.7% West 2 16.7% Total 12	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 1 16.7% Cloudy 3 50.0% Rain 1 16.7% Snow 1 16.7% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 6	ACCIDENT TYPE Rear End 4 66.7% Overtake 2 33.3% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 6	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 3 50.0% Wet 2 33.3% Mud/Slush 0 0.0% Snow/Ice 1 16.7% Unspecified 0 0.0% Total 6	ACCIDENT SEVERITY Fatal 0 0.0% Injury 0 0.0% Property Damage 6 100.0% Non-Reportable 0 0.0% Total 6	
TIME OF YEAR Winter (Dec-Feb) 2 33.3% Spring (Mar-May) 1 16.7% Summer (Jun-Aug) 1 16.7% Fall (Sep-Nov) 2 33.3% Total 6	TYPE OF VEHICLE Passenger Cars 10 83.3% Commercial Vehicles 2 16.7% Total 12	
DAY OF WEEK Sunday 0 0.0% Monday 2 33.3% Tuesday 3 50.0% Wednesday 0 0.0% Thursday 1 16.7% Friday 0 0.0% Saturday 0 0.0% Total 6	LIGHT CONDITION Daylight 5 83.3% Dawn/Dusk 1 16.7% Night 0 0.0% Unspecified 0 0.0% Total 6	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	2	1	3
Non-Reportable Accidents	0	0	0
Total Accidents	2	1	3

ACCIDENT SUMMARY SHEET

ROUTE: I-481 **LOCATION:** I-81 to I-81
MUNICIPALITY: _____ **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 481/ 3301 1000 - 481 3301 1004
REMARKS: Selected Accidents: I-481 Segment 18 RM 481/ 2138 - 481 1004 **DATE:** 10/1/2018

TIME OF DAY			# ACC	%	DIRECTION			# ACC	%					
6 AM - 10 AM			6	16.7%	North			19	35.2%					
10 AM - 4 PM			6	16.7%	South			14	25.9%					
4 PM - 7 PM			12	33.3%	East			4	7.4%					
7 PM - 12 AM			8	22.2%	West			8	14.8%					
12 AM - 6 AM			4	11.1%	Total			Unspecified		0	0.0%			
Unspecified			0	0.0%				0		0.0%				
Total			36		ACCIDENT TYPE			# ACC	%	ACCIDENT TYPE		# ACC	%	
WEATHER			# ACC	%	Rear End			9	25.0%	Pedestrian			0	0.0%
Clear			10	27.8%	Overtake			7	19.4%	Bicycle			0	0.0%
Cloudy			18	50.0%	Right Angle			0	0.0%	Parked Vehicle			0	0.0%
Rain			3	8.3%	Left Turn			0	0.0%	Backing			0	0.0%
Snow			4	11.1%	Right Turn			0	0.0%	Run Off The Road			3	8.3%
Sleet/Hail/Freezing Rain			1	2.8%	Fixed Object			12	33.3%	Animal			1	2.8%
Fog/Smog/Smoke			0	0.0%	Head On			0	0.0%	Other			4	11.1%
Unspecified			0	0.0%	Sideswipe			0	0.0%	Unspecified			0	0.0%
Total			36		Total			36						

SURFACE			# ACC	%	ACCIDENT SEVERITY			# ACC	%
Dry			22	61.1%	Fatal			0	0.0%
Wet			9	25.0%	Injury			7	19.4%
Mud/Slush			1	2.8%	Property Damage			29	80.6%
Snow/Ice			4	11.1%	Non-Reportable			0	0.0%
Unspecified			0	0.0%	Total			36	
Total			36						

TIME OF YEAR			# ACC	%	TYPE OF VEHICLE			# ACC	%
Winter (Dec-Feb)			8	22.2%	Passenger Cars			51	94.4%
Spring (Mar-May)			6	16.7%	Commercial Vehicles			3	5.6%
Summer (Jun-Aug)			9	25.0%	Total			54	
Fall (Sep-Nov)			13	36.1%					
Total			36						

DAY OF WEEK			# ACC	%	LIGHT CONDITION			# ACC	%
Sunday			4	11.1%	Daylight			19	52.8%
Monday			7	19.4%	Dawn/Dusk			2	5.6%
Tuesday			5	13.9%	Night			15	41.7%
Wednesday			4	11.1%	Unspecified			0	0.0%
Thursday			8	22.2%	Total			36	
Friday			5	13.9%					
Saturday			3	8.3%					
Total			36						

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	3	2
Property Damage Accidents	12	5	12
Non-Reportable Accidents	0	0	0
Total Accidents	14	8	14

ACCIDENT SUMMARY SHEET

ROUTE: I-690 **LOCATION:** West of Hiawatha Blvd to I-481
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I 3301 3019
REMARKS: Selected Accidents: I-690 Segment 1 RM 2005-2010 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 15 31.9% 10 AM - 4 PM 13 27.7% 4 PM - 7 PM 12 25.5% 7 PM - 12 AM 2 4.3% 12 AM - 6 AM 5 10.6% Unspecified 0 0.0% Total 47	DIRECTION North 0 0.0% South 1 1.3% East 42 54.5% West 32 41.6% Total 77	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 2 2.6% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 26 55.3% Cloudy 8 17.0% Rain 5 10.6% Snow 3 6.4% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 5 10.6% Total 47	ACCIDENT TYPE Rear End 18 38.3% Overtake 11 23.4% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 8 17.0% Head On 0 0.0% Sideswipe 0 0.0% Total 47	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 2.1% Animal 2 4.3% Other 7 14.9% Unspecified 0 0.0%
SURFACE Dry 27 57.4% Wet 12 25.5% Mud/Slush 0 0.0% Snow/Ice 3 6.4% Unspecified 5 10.6% Total 47	ACCIDENT SEVERITY Fatal 0 0.0% Injury 6 12.8% Property Damage 41 87.2% Non-Reportable 0 0.0% Total 47	
TIME OF YEAR Winter (Dec-Feb) 11 23.4% Spring (Mar-May) 8 17.0% Summer (Jun-Aug) 15 31.9% Fall (Sep-Nov) 13 27.7% Total 47	TYPE OF VEHICLE Passenger Cars 79 92.9% Commercial Vehicles 6 7.1% Total 85	
DAY OF WEEK Sunday 2 4.3% Monday 8 17.0% Tuesday 6 12.8% Wednesday 3 6.4% Thursday 12 25.5% Friday 9 19.1% Saturday 7 14.9% Total 47	LIGHT CONDITION Daylight 34 72.3% Dawn/Dusk 0 0.0% Night 8 17.0% Unspecified 5 10.6% Total 47	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	2	2
Property Damage Accidents	13	11	17
Non-Reportable Accidents	0	0	0
Total Accidents	15	13	19

ACCIDENT SUMMARY SHEET

ROUTE: I-690 **LOCATION:** West of Hiawatha Blvd to I-481
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I 3301 3019
REMARKS: Selected Accidents: I-690 Segment 2 RM 2011-2015 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 19 54.3% 10 AM - 4 PM 6 17.1% 4 PM - 7 PM 6 17.1% 7 PM - 12 AM 4 11.4% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 35	DIRECTION North 0 0.0% South 0 0.0% East 47 66.2% West 24 33.8% Total 71	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 15 42.9% Cloudy 9 25.7% Rain 1 2.9% Snow 9 25.7% Sleet/Hail/Freezing Rain 1 2.9% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 35	ACCIDENT TYPE Rear End 20 57.1% Overtake 5 14.3% Right Angle 2 5.7% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 7 20.0% Head On 0 0.0% Sideswipe 0 0.0% Total 35	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 1 2.9% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 19 54.3% Wet 9 25.7% Mud/Slush 0 0.0% Snow/Ice 7 20.0% Unspecified 0 0.0% Total 35	ACCIDENT SEVERITY Fatal 0 0.0% Injury 10 28.6% Property Damage 25 71.4% Non-Reportable 0 0.0% Total 35	
TIME OF YEAR Winter (Dec-Feb) 10 28.6% Spring (Mar-May) 10 28.6% Summer (Jun-Aug) 6 17.1% Fall (Sep-Nov) 9 25.7% Total 35	TYPE OF VEHICLE Passenger Cars 67 94.4% Commercial Vehicles 4 5.6% Total 71	
DAY OF WEEK Sunday 3 8.6% Monday 7 20.0% Tuesday 7 20.0% Wednesday 7 20.0% Thursday 5 14.3% Friday 5 14.3% Saturday 1 2.9% Total 35	LIGHT CONDITION Daylight 31 88.6% Dawn/Dusk 0 0.0% Night 4 11.4% Unspecified 0 0.0% Total 35	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	4	5
Property Damage Accidents	6	10	9
Non-Reportable Accidents	0	0	0
Total Accidents	7	14	14

ACCIDENT SUMMARY SHEET

ROUTE: I-690 **LOCATION:** West of Hiawatha Blvd to I-481
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I 3301 3019
REMARKS: Selected Accidents: I-690 Segment 3 RM 2016-2017 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 5 27.8% 10 AM - 4 PM 6 33.3% 4 PM - 7 PM 6 33.3% 7 PM - 12 AM 1 5.6% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 18	DIRECTION North 0 0.0% South 0 0.0% East 17 48.6% West 18 51.4% Total 35	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 10 55.6% Cloudy 5 27.8% Rain 2 11.1% Snow 1 5.6% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 18	ACCIDENT TYPE Rear End 7 38.9% Overtake 6 33.3% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 4 22.2% Head On 0 0.0% Sideswipe 0 0.0% Total 18	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 5.6% Unspecified 0 0.0%
SURFACE Dry 13 72.2% Wet 4 22.2% Mud/Slush 0 0.0% Snow/Ice 1 5.6% Unspecified 0 0.0% Total 18	ACCIDENT SEVERITY Fatal 0 0.0% Injury 7 38.9% Property Damage 11 61.1% Non-Reportable 0 0.0% Total 18	
TIME OF YEAR Winter (Dec-Feb) 5 27.8% Spring (Mar-May) 5 27.8% Summer (Jun-Aug) 5 27.8% Fall (Sep-Nov) 3 16.7% Total 18	TYPE OF VEHICLE Passenger Cars 30 85.7% Commercial Vehicles 5 14.3% Total 35	
DAY OF WEEK Sunday 0 0.0% Monday 3 16.7% Tuesday 3 16.7% Wednesday 3 16.7% Thursday 5 27.8% Friday 3 16.7% Saturday 1 5.6% Total 18	LIGHT CONDITION Daylight 14 77.8% Dawn/Dusk 1 5.6% Night 3 16.7% Unspecified 0 0.0% Total 18	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	3	3	1
Property Damage Accidents	1	7	3
Non-Reportable Accidents	0	0	0
Total Accidents	4	10	4

ACCIDENT SUMMARY SHEET

ROUTE: I-690 **LOCATION:** West of Hiawatha Blvd to I-481
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I 3301 3019
REMARKS: Selected Accidents: I-690 Segment 4 RM 2018-2024 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 25 26.6% 10 AM - 4 PM 25 26.6% 4 PM - 7 PM 27 28.7% 7 PM - 12 AM 8 8.5% 12 AM - 6 AM 9 9.6% Unspecified 0 0.0% Total 94	DIRECTION North 7 4.0% South 3 1.7% East 91 51.7% West 66 37.5% Total 176	DIRECTION Northeast 0 0.0% Northwest 4 2.3% Southeast 5 2.8% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 53 56.4% Cloudy 26 27.7% Rain 8 8.5% Snow 4 4.3% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 3 3.2% Total 94	ACCIDENT TYPE Rear End 34 36.2% Overtake 35 37.2% Right Angle 3 3.2% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 20 21.3% Head On 0 0.0% Sideswipe 1 1.1% Total 94	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 1.1% Unspecified 0 0.0%
SURFACE Dry 65 69.1% Wet 20 21.3% Mud/Slush 0 0.0% Snow/Ice 7 7.4% Unspecified 2 2.1% Total 94	ACCIDENT SEVERITY Fatal 0 0.0% Injury 21 22.3% Property Damage 73 77.7% Non-Reportable 0 0.0% Total 94	
TIME OF YEAR Winter (Dec-Feb) 23 24.5% Spring (Mar-May) 16 17.0% Summer (Jun-Aug) 28 29.8% Fall (Sep-Nov) 27 28.7% Total 94	TYPE OF VEHICLE Passenger Cars 161 88.5% Commercial Vehicles 21 11.5% Total 182	
DAY OF WEEK Sunday 9 9.6% Monday 14 14.9% Tuesday 12 12.8% Wednesday 18 19.1% Thursday 18 19.1% Friday 9 9.6% Saturday 14 14.9% Total 94	LIGHT CONDITION Daylight 69 73.4% Dawn/Dusk 1 1.1% Night 22 23.4% Unspecified 2 2.1% Total 94	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	7	4	10
Property Damage Accidents	17	27	29
Non-Reportable Accidents	0	0	0
Total Accidents	24	31	39

ACCIDENT SUMMARY SHEET

ROUTE: I-690 **LOCATION:** West of Hiawatha Blvd to I-481
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I 3301 3019
REMARKS: Selected Accidents: I-690 Segment 5 RM 2025-2032 **DATE:** 10/1/2018

TIME OF DAY # ACC % 6 AM - 10 AM 21 17.2% 10 AM - 4 PM 24 19.7% 4 PM - 7 PM 49 40.2% 7 PM - 12 AM 19 15.6% 12 AM - 6 AM 9 7.4% Unspecified 0 0.0% Total 122			DIRECTION # ACC % North 5 2.2% South 5 2.2% East 103 44.8% West 113 49.1% Total 230			DIRECTION # ACC % Northeast 0 0.0% Northwest 2 0.9% Southeast 2 0.9% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 67 54.9% Cloudy 33 27.0% Rain 13 10.7% Snow 8 6.6% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 0.8% Total 122			ACCIDENT TYPE # ACC % Rear End 59 48.4% Overtake 27 22.1% Right Angle 1 0.8% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 26 21.3% Head On 0 0.0% Sideswipe 0 0.0% Total 122			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 2 1.6% Animal 0 0.0% Other 7 5.7% Unspecified 0 0.0%		
SURFACE # ACC % Dry 89 73.0% Wet 21 17.2% Mud/Slush 1 0.8% Snow/Ice 10 8.2% Unspecified 1 0.8% Total 122			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 27 22.1% Property Damage 95 77.9% Non-Reportable 0 0.0% Total 122					
TIME OF YEAR # ACC % Winter (Dec-Feb) 31 25.4% Spring (Mar-May) 36 29.5% Summer (Jun-Aug) 19 15.6% Fall (Sep-Nov) 36 29.5% Total 122			TYPE OF VEHICLE # ACC % Passenger Cars 216 93.1% Commercial Vehicles 16 6.9% Total 232					
DAY OF WEEK # ACC % Sunday 15 12.3% Monday 18 14.8% Tuesday 15 12.3% Wednesday 29 23.8% Thursday 18 14.8% Friday 19 15.6% Saturday 8 6.6% Total 122			LIGHT CONDITION # ACC % Daylight 78 63.9% Dawn/Dusk 3 2.5% Night 40 32.8% Unspecified 1 0.8% Total 122					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	9	7	11
Property Damage Accidents	21	32	42
Non-Reportable Accidents	0	0	0
Total Accidents	30	39	53

ACCIDENT SUMMARY SHEET

ROUTE: I-690 **LOCATION:** West of Hiawatha Blvd to I-481
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I 3301 3019
REMARKS: Selected Accidents: I-690 Segment 6 RM 2033-2037 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 15 23.1% 10 AM - 4 PM 10 15.4% 4 PM - 7 PM 31 47.7% 7 PM - 12 AM 8 12.3% 12 AM - 6 AM 1 1.5% Unspecified 0 0.0% Total 65	DIRECTION North 0 0.0% South 0 0.0% East 79 55.2% West 64 44.8% Total 143	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 34 52.3% Cloudy 19 29.2% Rain 7 10.8% Snow 5 7.7% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 65	ACCIDENT TYPE Rear End 43 66.2% Overtake 10 15.4% Right Angle 1 1.5% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 8 12.3% Head On 0 0.0% Sideswipe 0 0.0% Total 65	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 1.5% Animal 0 0.0% Other 1 1.5% Unspecified 0 0.0%
SURFACE Dry 44 67.7% Wet 12 18.5% Mud/Slush 0 0.0% Snow/Ice 9 13.8% Unspecified 0 0.0% Total 65	ACCIDENT SEVERITY Fatal 0 0.0% Injury 21 32.3% Property Damage 44 67.7% Non-Reportable 0 0.0% Total 65	
TIME OF YEAR Winter (Dec-Feb) 23 35.4% Spring (Mar-May) 12 18.5% Summer (Jun-Aug) 16 24.6% Fall (Sep-Nov) 14 21.5% Total 65	TYPE OF VEHICLE Passenger Cars 137 92.6% Commercial Vehicles 11 7.4% Total 148	
DAY OF WEEK Sunday 5 7.7% Monday 8 12.3% Tuesday 11 16.9% Wednesday 12 18.5% Thursday 11 16.9% Friday 15 23.1% Saturday 3 4.6% Total 65	LIGHT CONDITION Daylight 40 61.5% Dawn/Dusk 2 3.1% Night 23 35.4% Unspecified 0 0.0% Total 65	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	6	8	7
Property Damage Accidents	8	21	15
Non-Reportable Accidents	0	0	0
Total Accidents	14	29	22

ACCIDENT SUMMARY SHEET

ROUTE: I-690 **LOCATION:** West of Hiawatha Blvd to I-481
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I 3301 3019
REMARKS: Selected Accidents: I-690 Segment 7 RM 2038-2042 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 14 17.5% 10 AM - 4 PM 27 33.8% 4 PM - 7 PM 15 18.8% 7 PM - 12 AM 18 22.5% 12 AM - 6 AM 6 7.5% Unspecified 0 0.0% Total 80	DIRECTION North 0 0.0% South 0 0.0% East 88 61.1% West 54 37.5% Total 144	DIRECTION Northeast 2 1.4% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 40 50.0% Cloudy 19 23.8% Rain 8 10.0% Snow 10 12.5% Sleet/Hail/Freezing Rain 1 1.3% Fog/Smog/Smoke 0 0.0% Unspecified 2 2.5% Total 80	ACCIDENT TYPE Rear End 38 47.5% Overtake 17 21.3% Right Angle 2 2.5% Left Turn 0 0.0% Right Turn 1 1.3% Fixed Object 14 17.5% Head On 0 0.0% Sideswipe 0 0.0% Total 80	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 1 1.3% Other 6 7.5% Unspecified 0 0.0%
SURFACE Dry 48 60.0% Wet 13 16.3% Mud/Slush 1 1.3% Snow/Ice 16 20.0% Unspecified 2 2.5% Total 80	ACCIDENT SEVERITY Fatal 0 0.0% Injury 15 18.8% Property Damage 65 81.3% Non-Reportable 0 0.0% Total 80	
TIME OF YEAR Winter (Dec-Feb) 28 35.0% Spring (Mar-May) 20 25.0% Summer (Jun-Aug) 20 25.0% Fall (Sep-Nov) 12 15.0% Total 80	TYPE OF VEHICLE Passenger Cars 137 91.9% Commercial Vehicles 12 8.1% Total 149	
DAY OF WEEK Sunday 10 12.5% Monday 17 21.3% Tuesday 15 18.8% Wednesday 16 20.0% Thursday 12 15.0% Friday 4 5.0% Saturday 6 7.5% Total 80	LIGHT CONDITION Daylight 52 65.0% Dawn/Dusk 2 2.5% Night 24 30.0% Unspecified 2 2.5% Total 80	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	6	5	4
Property Damage Accidents	16	18	31
Non-Reportable Accidents	0	0	0
Total Accidents	22	23	35

ACCIDENT SUMMARY SHEET

ROUTE: I-690 **LOCATION:** West of Hiawatha Blvd to I-481
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I 3301 3019
REMARKS: Selected Accidents: I-690 Segment 8 RM 2042-2046 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 7 28.0% 10 AM - 4 PM 5 20.0% 4 PM - 7 PM 10 40.0% 7 PM - 12 AM 1 4.0% 12 AM - 6 AM 2 8.0% Unspecified 0 0.0% Total 25	DIRECTION North 0 0.0% South 0 0.0% East 23 52.3% West 21 47.7% Total 44	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 11 44.0% Cloudy 4 16.0% Rain 4 16.0% Snow 5 20.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 4.0% Total 25	ACCIDENT TYPE Rear End 9 36.0% Overtake 6 24.0% Right Angle 1 4.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 4 16.0% Head On 0 0.0% Sideswipe 0 0.0% Total 25	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 4.0% Animal 0 0.0% Other 4 16.0% Unspecified 0 0.0%
SURFACE Dry 14 56.0% Wet 5 20.0% Mud/Slush 0 0.0% Snow/Ice 5 20.0% Unspecified 1 4.0% Total 25	ACCIDENT SEVERITY Fatal 0 0.0% Injury 6 24.0% Property Damage 19 76.0% Non-Reportable 0 0.0% Total 25	
TIME OF YEAR Winter (Dec-Feb) 6 24.0% Spring (Mar-May) 8 32.0% Summer (Jun-Aug) 5 20.0% Fall (Sep-Nov) 6 24.0% Total 25	TYPE OF VEHICLE Passenger Cars 45 100.0% Commercial Vehicles 0 0.0% Total 45	
DAY OF WEEK Sunday 3 12.0% Monday 7 28.0% Tuesday 3 12.0% Wednesday 6 24.0% Thursday 3 12.0% Friday 3 12.0% Saturday 0 0.0% Total 25	LIGHT CONDITION Daylight 17 68.0% Dawn/Dusk 2 8.0% Night 5 20.0% Unspecified 1 4.0% Total 25	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	5	1
Property Damage Accidents	1	5	13
Non-Reportable Accidents	0	0	0
Total Accidents	1	10	14

ACCIDENT SUMMARY SHEET

ROUTE: I-690 **LOCATION:** West of Hiawatha Blvd to I-481
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I 3301 3019
REMARKS: Selected Accidents: I-690 Segment 9 RM 2047-2052 **DATE:** 10/1/2018

TIME OF DAY # ACC % 6 AM - 10 AM 7 12.5% 10 AM - 4 PM 13 23.2% 4 PM - 7 PM 23 41.1% 7 PM - 12 AM 5 8.9% 12 AM - 6 AM 8 14.3% Unspecified 0 0.0% Total 56			DIRECTION # ACC % North 0 0.0% South 1 0.9% East 30 27.8% West 76 70.4% Total 108			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 1 0.9% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 36 64.3% Cloudy 8 14.3% Rain 5 8.9% Snow 3 5.4% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 4 7.1% Total 56			ACCIDENT TYPE # ACC % Rear End 27 48.2% Overtake 10 17.9% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 15 26.8% Head On 0 0.0% Sideswipe 0 0.0% Total 56			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 3 5.4% Other 1 1.8% Unspecified 0 0.0%		
SURFACE # ACC % Dry 43 76.8% Wet 6 10.7% Mud/Slush 0 0.0% Snow/Ice 5 8.9% Unspecified 2 3.6% Total 56			ACCIDENT SEVERITY # ACC % Fatal 1 1.8% Injury 14 25.0% Property Damage 41 73.2% Non-Reportable 0 0.0% Total 56					
TIME OF YEAR # ACC % Winter (Dec-Feb) 9 16.1% Spring (Mar-May) 13 23.2% Summer (Jun-Aug) 14 25.0% Fall (Sep-Nov) 20 35.7% Total 56			TYPE OF VEHICLE # ACC % Passenger Cars 100 89.3% Commercial Vehicles 12 10.7% Total 112					
DAY OF WEEK # ACC % Sunday 4 7.1% Monday 8 14.3% Tuesday 12 21.4% Wednesday 11 19.6% Thursday 9 16.1% Friday 7 12.5% Saturday 5 8.9% Total 56			LIGHT CONDITION # ACC % Daylight 34 60.7% Dawn/Dusk 3 5.4% Night 16 28.6% Unspecified 3 5.4% Total 56					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	1	0
Injury Accidents	3	2	9
Property Damage Accidents	11	7	23
Non-Reportable Accidents	0	0	0
Total Accidents	14	10	32

ACCIDENT SUMMARY SHEET

ROUTE: I-690 **LOCATION:** West of Hiawatha Blvd to I-481
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I 3301 3019
REMARKS: Selected Accidents: I-690 Segment 10 RM 2053-2056 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 4 13.3% 10 AM - 4 PM 5 16.7% 4 PM - 7 PM 7 23.3% 7 PM - 12 AM 6 20.0% 12 AM - 6 AM 8 26.7% Unspecified 0 0.0% Total 30	DIRECTION North 0 0.0% South 0 0.0% East 22 50.0% West 22 50.0% Total 44	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 15 50.0% Cloudy 3 10.0% Rain 5 16.7% Snow 4 13.3% Sleet/Hail/Freezing Rain 1 3.3% Fog/Smog/Smoke 0 0.0% Unspecified 2 6.7% Total 30	ACCIDENT TYPE Rear End 9 30.0% Overtake 3 10.0% Right Angle 1 3.3% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 13 43.3% Head On 0 0.0% Sideswipe 0 0.0% Total 30	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 2 6.7% Other 2 6.7% Unspecified 0 0.0%
SURFACE Dry 14 46.7% Wet 6 20.0% Mud/Slush 1 3.3% Snow/Ice 7 23.3% Unspecified 2 6.7% Total 30	ACCIDENT SEVERITY Fatal 0 0.0% Injury 4 13.3% Property Damage 26 86.7% Non-Reportable 0 0.0% Total 30	
TIME OF YEAR Winter (Dec-Feb) 10 33.3% Spring (Mar-May) 5 16.7% Summer (Jun-Aug) 8 26.7% Fall (Sep-Nov) 7 23.3% Total 30	TYPE OF VEHICLE Passenger Cars 43 97.7% Commercial Vehicles 1 2.3% Total 44	
DAY OF WEEK Sunday 6 20.0% Monday 2 6.7% Tuesday 5 16.7% Wednesday 7 23.3% Thursday 1 3.3% Friday 5 16.7% Saturday 4 13.3% Total 30	LIGHT CONDITION Daylight 14 46.7% Dawn/Dusk 1 3.3% Night 13 43.3% Unspecified 2 6.7% Total 30	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	1	2
Property Damage Accidents	6	8	12
Non-Reportable Accidents	0	0	0
Total Accidents	7	9	14

ACCIDENT SUMMARY SHEET

ROUTE: I-690 **LOCATION:** West of Hiawatha Blvd to I-481
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I 3301 3019
REMARKS: Selected Accidents: I-690 Segment 11 RM 2057-3008 **DATE:** 10/1/2018

TIME OF DAY # ACC % 6 AM - 10 AM 26 22.6% 10 AM - 4 PM 33 28.7% 4 PM - 7 PM 35 30.4% 7 PM - 12 AM 14 12.2% 12 AM - 6 AM 7 6.1% Unspecified 0 0.0% Total 115			DIRECTION # ACC % North 1 0.5% South 4 2.1% East 78 40.2% West 73 37.6% Total 194			DIRECTION # ACC % Northeast 15 7.7% Northwest 5 2.6% Southeast 13 6.7% Southwest 5 2.6% Unspecified 0 0.0%		
WEATHER # ACC % Clear 48 41.7% Cloudy 31 27.0% Rain 10 8.7% Snow 20 17.4% Sleet/Hail/Freezing Rain 5 4.3% Fog/Smog/Smoke 0 0.0% Unspecified 1 0.9% Total 115			ACCIDENT TYPE # ACC % Rear End 55 47.8% Overtake 16 13.9% Right Angle 1 0.9% Left Turn 0 0.0% Right Turn 1 0.9% Fixed Object 38 33.0% Head On 0 0.0% Sideswipe 0 0.0% Total 115			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 0.9% Animal 1 0.9% Other 2 1.7% Unspecified 0 0.0%		
SURFACE # ACC % Dry 62 53.9% Wet 21 18.3% Mud/Slush 1 0.9% Snow/Ice 30 26.1% Unspecified 1 0.9% Total 115			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 25 21.7% Property Damage 90 78.3% Non-Reportable 0 0.0% Total 115					
TIME OF YEAR # ACC % Winter (Dec-Feb) 50 43.5% Spring (Mar-May) 26 22.6% Summer (Jun-Aug) 18 15.7% Fall (Sep-Nov) 21 18.3% Total 115			TYPE OF VEHICLE # ACC % Passenger Cars 184 93.4% Commercial Vehicles 13 6.6% Total 197					
DAY OF WEEK # ACC % Sunday 11 9.6% Monday 18 15.7% Tuesday 25 21.7% Wednesday 14 12.2% Thursday 16 13.9% Friday 22 19.1% Saturday 9 7.8% Total 115			LIGHT CONDITION # ACC % Daylight 68 59.1% Dawn/Dusk 10 8.7% Night 36 31.3% Unspecified 1 0.9% Total 115					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	6	8	11
Property Damage Accidents	25	33	32
Non-Reportable Accidents	0	0	0
Total Accidents	31	41	43

ACCIDENT SUMMARY SHEET

ROUTE: I-690 **LOCATION:** West of Hiawatha Blvd to I-481
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I 3301 3019
REMARKS: Selected Accidents: I-690 Segment 12 RM 3009-3019 **DATE:** 10/1/2018

TIME OF DAY 6 AM - 10 AM 10 28.6% 10 AM - 4 PM 8 22.9% 4 PM - 7 PM 9 25.7% 7 PM - 12 AM 6 17.1% 12 AM - 6 AM 2 5.7% Unspecified 0 0.0% Total 35	DIRECTION North 2 3.6% South 0 0.0% East 20 36.4% West 23 41.8% Total 55	DIRECTION Northeast 2 3.6% Northwest 0 0.0% Southeast 6 10.9% Southwest 2 3.6% Unspecified 0 0.0%
WEATHER Clear 14 40.0% Cloudy 12 34.3% Rain 3 8.6% Snow 6 17.1% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 35	ACCIDENT TYPE Rear End 7 20.0% Overtake 9 25.7% Right Angle 0 0.0% Left Turn 1 2.9% Right Turn 0 0.0% Fixed Object 12 34.3% Head On 0 0.0% Sideswipe 1 2.9% Total 35	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 2.9% Animal 3 8.6% Other 1 2.9% Unspecified 0 0.0%
SURFACE Dry 24 68.6% Wet 2 5.7% Mud/Slush 1 2.9% Snow/Ice 8 22.9% Unspecified 0 0.0% Total 35	ACCIDENT SEVERITY Fatal 0 0.0% Injury 4 11.4% Property Damage 31 88.6% Non-Reportable 0 0.0% Total 35	
TIME OF YEAR Winter (Dec-Feb) 13 37.1% Spring (Mar-May) 8 22.9% Summer (Jun-Aug) 5 14.3% Fall (Sep-Nov) 9 25.7% Total 35	TYPE OF VEHICLE Passenger Cars 51 92.7% Commercial Vehicles 4 7.3% Total 55	
DAY OF WEEK Sunday 4 11.4% Monday 4 11.4% Tuesday 7 20.0% Wednesday 6 17.1% Thursday 4 11.4% Friday 6 17.1% Saturday 4 11.4% Total 35	LIGHT CONDITION Daylight 23 65.7% Dawn/Dusk 2 5.7% Night 10 28.6% Unspecified 0 0.0% Total 35	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	3	1
Property Damage Accidents	6	18	7
Non-Reportable Accidents	0	0	0
Total Accidents	6	21	8

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** _____
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** _____
REMARKS: Selected Accidents: N West St at NY 5 / W Genesee St **DATE:** 9/27/2018

TIME OF DAY # ACC % 6 AM - 10 AM 3 30.0% 10 AM - 4 PM 4 40.0% 4 PM - 7 PM 2 20.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 1 10.0% Unspecified 0 0.0% Total 10			DIRECTION # ACC % North 0 0.0% South 7 43.8% East 6 37.5% West 2 12.5% Total 16			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 1 6.3% Unspecified 0 0.0%		
WEATHER # ACC % Clear 3 30.0% Cloudy 2 20.0% Rain 4 40.0% Snow 1 10.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 10			ACCIDENT TYPE # ACC % Rear End 3 30.0% Overtake 1 10.0% Right Angle 1 10.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 3 30.0% Head On 0 0.0% Sideswipe 0 0.0% Total 10			ACCIDENT TYPE # ACC % Pedestrian 1 10.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 10.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 5 50.0% Wet 4 40.0% Mud/Slush 0 0.0% Snow/Ice 1 10.0% Unspecified 0 0.0% Total 10			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 4 40.0% Property Damage 6 60.0% Non-Reportable 0 0.0% Total 10					
TIME OF YEAR # ACC % Winter (Dec-Feb) 1 10.0% Spring (Mar-May) 4 40.0% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 5 50.0% Total 10			TYPE OF VEHICLE # ACC % Passenger Cars 14 87.5% Commercial Vehicles 2 12.5% Total 16					
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 1 10.0% Tuesday 1 10.0% Wednesday 2 20.0% Thursday 2 20.0% Friday 3 30.0% Saturday 1 10.0% Total 10			LIGHT CONDITION # ACC % Daylight 8 80.0% Dawn/Dusk 0 0.0% Night 2 20.0% Unspecified 0 0.0% Total 10					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	2	2
Property Damage Accidents	1	2	3
Non-Reportable Accidents	0	0	0
Total Accidents	1	4	5

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** _____
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** _____
REMARKS: Selected Accidents: Wallace St at NY 5 / W Genesee St **DATE:** 9/27/2018

TIME OF DAY 6 AM - 10 AM 6 60.0% 10 AM - 4 PM 0 0.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 3 30.0% 12 AM - 6 AM 1 10.0% Unspecified 0 0.0% Total 10	DIRECTION North 1 5.9% South 0 0.0% East 7 41.2% West 5 29.4% Total 17	DIRECTION Northeast 0 0.0% Northwest 1 5.9% Southeast 3 17.6% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 7 70.0% Cloudy 3 30.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 10	ACCIDENT TYPE Rear End 5 50.0% Overtake 1 10.0% Right Angle 1 10.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 2 20.0% Head On 0 0.0% Sideswipe 0 0.0% Total 10	ACCIDENT TYPE Pedestrian 1 10.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 6 60.0% Wet 3 30.0% Mud/Slush 0 0.0% Snow/Ice 1 10.0% Unspecified 0 0.0% Total 10	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 10.0% Property Damage 9 90.0% Non-Reportable 0 0.0% Total 10	
TIME OF YEAR Winter (Dec-Feb) 4 40.0% Spring (Mar-May) 1 10.0% Summer (Jun-Aug) 1 10.0% Fall (Sep-Nov) 4 40.0% Total 10	TYPE OF VEHICLE Passenger Cars 16 94.1% Commercial Vehicles 1 5.9% Total 17	
DAY OF WEEK Sunday 0 0.0% Monday 0 0.0% Tuesday 3 30.0% Wednesday 1 10.0% Thursday 2 20.0% Friday 3 30.0% Saturday 1 10.0% Total 10	LIGHT CONDITION Daylight 4 40.0% Dawn/Dusk 1 10.0% Night 5 50.0% Unspecified 0 0.0% Total 10	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	0	0
Property Damage Accidents	3	4	2
Non-Reportable Accidents	0	0	0
Total Accidents	4	4	2

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** _____
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *690I 330I 2005 - 690I*
REMARKS: *Selected Accidents: N Franklin St at Butternut St* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 3 15.8% 10 AM - 4 PM 10 52.6% 4 PM - 7 PM 4 21.1% 7 PM - 12 AM 1 5.3% 12 AM - 6 AM 1 5.3% Unspecified 0 0.0% Total 19	DIRECTION # ACC % North 8 20.5% South 16 41.0% East 1 2.6% West 5 12.8% Total 39	DIRECTION # ACC % Northeast 4 10.3% Northwest 1 2.6% Southeast 0 0.0% Southwest 4 10.3% Unspecified 0 0.0%
WEATHER # ACC % Clear 12 63.2% Cloudy 5 26.3% Rain 1 5.3% Snow 0 0.0% Sleet/Hail/Freezing Rain 1 5.3% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 19	ACCIDENT TYPE # ACC % Rear End 9 47.4% Overtake 4 21.1% Right Angle 4 21.1% Left Turn 1 5.3% Right Turn 1 5.3% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 19	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 17 89.5% Wet 1 5.3% Mud/Slush 0 0.0% Snow/Ice 1 5.3% Unspecified 0 0.0% Total 19	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 5 26.3% Property Damage 14 73.7% Non-Reportable 0 0.0% Total 19	
TIME OF YEAR # ACC % Winter (Dec-Feb) 4 21.1% Spring (Mar-May) 4 21.1% Summer (Jun-Aug) 4 21.1% Fall (Sep-Nov) 7 36.8% Total 19	TYPE OF VEHICLE # ACC % Passenger Cars 39 100.0% Commercial Vehicles 0 0.0% Total 39	
DAY OF WEEK # ACC % Sunday 3 15.8% Monday 6 31.6% Tuesday 0 0.0% Wednesday 1 5.3% Thursday 3 15.8% Friday 5 26.3% Saturday 1 5.3% Total 19	LIGHT CONDITION # ACC % Daylight 14 73.7% Dawn/Dusk 1 5.3% Night 4 21.1% Unspecified 0 0.0% Total 19	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	0	4
Property Damage Accidents	6	4	4
Non-Reportable Accidents	0	0	0
Total Accidents	7	4	8

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** _____
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** _____
REMARKS: Selected Accidents: N Franklin St at Herald Pl **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 1 7.1% 10 AM - 4 PM 6 42.9% 4 PM - 7 PM 5 35.7% 7 PM - 12 AM 2 14.3% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 14	DIRECTION North 18 72.0% South 5 20.0% East 2 8.0% West 0 0.0% Total 25	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 6 42.9% Cloudy 4 28.6% Rain 2 14.3% Snow 1 7.1% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 7.1% Total 14	ACCIDENT TYPE Rear End 5 35.7% Overtake 4 28.6% Right Angle 1 7.1% Left Turn 1 7.1% Right Turn 0 0.0% Fixed Object 1 7.1% Head On 0 0.0% Sideswipe 1 7.1% Total 14	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 7.1% Unspecified 0 0.0%
SURFACE Dry 10 71.4% Wet 3 21.4% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 1 7.1% Total 14	ACCIDENT SEVERITY Fatal 0 0.0% Injury 2 14.3% Property Damage 12 85.7% Non-Reportable 0 0.0% Total 14	
TIME OF YEAR Winter (Dec-Feb) 6 42.9% Spring (Mar-May) 4 28.6% Summer (Jun-Aug) 2 14.3% Fall (Sep-Nov) 2 14.3% Total 14	TYPE OF VEHICLE Passenger Cars 21 84.0% Commercial Vehicles 4 16.0% Total 25	
DAY OF WEEK Sunday 0 0.0% Monday 1 7.1% Tuesday 4 28.6% Wednesday 3 21.4% Thursday 4 28.6% Friday 2 14.3% Saturday 0 0.0% Total 14	LIGHT CONDITION Daylight 11 78.6% Dawn/Dusk 0 0.0% Night 2 14.3% Unspecified 1 7.1% Total 14	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	0	0
Property Damage Accidents	2	5	5
Non-Reportable Accidents	0	0	0
Total Accidents	4	5	5

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** _____
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** _____
REMARKS: Selected Accidents: N Franklin St at NY 5 / W Genesee St **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 5 15.6% 10 AM - 4 PM 9 28.1% 4 PM - 7 PM 11 34.4% 7 PM - 12 AM 4 12.5% 12 AM - 6 AM 3 9.4% Unspecified 0 0.0% Total 32			DIRECTION # ACC % North 22 34.9% South 9 14.3% East 15 23.8% West 11 17.5% Total 63			DIRECTION # ACC % Northeast 1 1.6% Northwest 0 0.0% Southeast 0 0.0% Southwest 2 3.2% Unspecified 3 4.8%		
WEATHER # ACC % Clear 17 53.1% Cloudy 11 34.4% Rain 1 3.1% Snow 3 9.4% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 32			ACCIDENT TYPE # ACC % Rear End 8 25.0% Overtake 4 12.5% Right Angle 15 46.9% Left Turn 1 3.1% Right Turn 1 3.1% Fixed Object 1 3.1% Head On 0 0.0% Sideswipe 0 0.0% Total 32			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 2 6.3% Unspecified 0 0.0%		
SURFACE # ACC % Dry 21 65.6% Wet 3 9.4% Mud/Slush 1 3.1% Snow/Ice 6 18.8% Unspecified 1 3.1% Total 32			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 7 21.9% Property Damage 25 78.1% Non-Reportable 0 0.0% Total 32					
TIME OF YEAR # ACC % Winter (Dec-Feb) 14 43.8% Spring (Mar-May) 7 21.9% Summer (Jun-Aug) 9 28.1% Fall (Sep-Nov) 2 6.3% Total 32			TYPE OF VEHICLE # ACC % Passenger Cars 58 89.2% Commercial Vehicles 7 10.8% Total 65					
DAY OF WEEK # ACC % Sunday 2 6.3% Monday 4 12.5% Tuesday 7 21.9% Wednesday 2 6.3% Thursday 3 9.4% Friday 8 25.0% Saturday 6 18.8% Total 32			LIGHT CONDITION # ACC % Daylight 20 62.5% Dawn/Dusk 2 6.3% Night 10 31.3% Unspecified 0 0.0% Total 32					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	2	4
Property Damage Accidents	8	5	12
Non-Reportable Accidents	0	0	0
Total Accidents	9	7	16

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** _____
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I
REMARKS: Selected Accidents: N Clinton St at Websters Landing **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 1 100.0% 10 AM - 4 PM 0 0.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 1	DIRECTION North 0 0.0% South 2 100.0% East 0 0.0% West 0 0.0% Total 2	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 0 0.0% Cloudy 0 0.0% Rain 1 100.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 1	ACCIDENT TYPE Rear End 1 100.0% Overtake 0 0.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 1	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 0 0.0% Wet 1 100.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 1	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 100.0% Property Damage 0 0.0% Non-Reportable 0 0.0% Total 1	
TIME OF YEAR Winter (Dec-Feb) 0 0.0% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 1 100.0% Total 1	TYPE OF VEHICLE Passenger Cars 2 100.0% Commercial Vehicles 0 0.0% Total 2	
DAY OF WEEK Sunday 0 0.0% Monday 1 100.0% Tuesday 0 0.0% Wednesday 0 0.0% Thursday 0 0.0% Friday 0 0.0% Saturday 0 0.0% Total 1	LIGHT CONDITION Daylight 1 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 1	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	0	0	0
Non-Reportable Accidents	0	0	0
Total Accidents	0	1	0

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** _____
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** _____
REMARKS: Selected Accidents: N Clinton St at NY 5 / W Genesee St **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 6 37.5% 4 PM - 7 PM 3 18.8% 7 PM - 12 AM 4 25.0% 12 AM - 6 AM 3 18.8% Unspecified 0 0.0% Total 16	DIRECTION North 1 3.2% South 4 12.9% East 6 19.4% West 18 58.1% Total 31	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 1 3.2% Unspecified 1 3.2%
WEATHER Clear 6 37.5% Cloudy 0 0.0% Rain 6 37.5% Snow 3 18.8% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 6.3% Total 16	ACCIDENT TYPE Rear End 6 37.5% Overtake 2 12.5% Right Angle 2 12.5% Left Turn 0 0.0% Right Turn 1 6.3% Fixed Object 1 6.3% Head On 0 0.0% Sideswipe 1 6.3% Total 16	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 2 12.5% Unspecified 0 0.0%
SURFACE Dry 5 31.3% Wet 7 43.8% Mud/Slush 0 0.0% Snow/Ice 3 18.8% Unspecified 1 6.3% Total 16	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 6.3% Property Damage 15 93.8% Non-Reportable 0 0.0% Total 16	
TIME OF YEAR Winter (Dec-Feb) 5 31.3% Spring (Mar-May) 1 6.3% Summer (Jun-Aug) 3 18.8% Fall (Sep-Nov) 7 43.8% Total 16	TYPE OF VEHICLE Passenger Cars 24 77.4% Commercial Vehicles 7 22.6% Total 31	
DAY OF WEEK Sunday 1 6.3% Monday 0 0.0% Tuesday 3 18.8% Wednesday 3 18.8% Thursday 3 18.8% Friday 3 18.8% Saturday 3 18.8% Total 16	LIGHT CONDITION Daylight 7 43.8% Dawn/Dusk 3 18.8% Night 5 31.3% Unspecified 1 6.3% Total 16	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	6	3	6
Non-Reportable Accidents	0	0	0
Total Accidents	6	4	6

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** _____
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** 690I 3301 2005 - 690I
REMARKS: Selected Accidents: S Clinton St at W Washington St **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 5 45.5% 10 AM - 4 PM 3 27.3% 4 PM - 7 PM 1 9.1% 7 PM - 12 AM 1 9.1% 12 AM - 6 AM 1 9.1% Unspecified 0 0.0% Total 11			DIRECTION # ACC % North 3 16.7% South 8 44.4% East 0 0.0% West 6 33.3% Total 18			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 1 5.6%		
WEATHER # ACC % Clear 7 63.6% Cloudy 1 9.1% Rain 2 18.2% Snow 1 9.1% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 11			ACCIDENT TYPE # ACC % Rear End 1 9.1% Overtake 1 9.1% Right Angle 4 36.4% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 9.1% Head On 0 0.0% Sideswipe 0 0.0% Total 11			ACCIDENT TYPE # ACC % Pedestrian 3 27.3% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 9.1% Unspecified 0 0.0%		
SURFACE # ACC % Dry 7 63.6% Wet 4 36.4% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 11			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 5 45.5% Property Damage 6 54.5% Non-Reportable 0 0.0% Total 11					
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 18.2% Spring (Mar-May) 1 9.1% Summer (Jun-Aug) 4 36.4% Fall (Sep-Nov) 4 36.4% Total 11			TYPE OF VEHICLE # ACC % Passenger Cars 16 88.9% Commercial Vehicles 2 11.1% Total 18					
DAY OF WEEK # ACC % Sunday 1 9.1% Monday 2 18.2% Tuesday 1 9.1% Wednesday 0 0.0% Thursday 2 18.2% Friday 2 18.2% Saturday 3 27.3% Total 11			LIGHT CONDITION # ACC % Daylight 9 81.8% Dawn/Dusk 0 0.0% Night 2 18.2% Unspecified 0 0.0% Total 11					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	2	3
Property Damage Accidents	1	1	4
Non-Reportable Accidents	0	0	0
Total Accidents	1	3	7

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** _____
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** _____
REMARKS: Selected Accidents: S Clinton St at W Fayette St **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 4 23.5% 10 AM - 4 PM 5 29.4% 4 PM - 7 PM 3 17.6% 7 PM - 12 AM 4 23.5% 12 AM - 6 AM 1 5.9% Unspecified 0 0.0% Total 17	DIRECTION North 2 6.3% South 3 9.4% East 14 43.8% West 10 31.3% Total 32	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 1 3.1% Unspecified 2 6.3%
WEATHER Clear 10 58.8% Cloudy 4 23.5% Rain 2 11.8% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 5.9% Total 17	ACCIDENT TYPE Rear End 3 17.6% Overtake 9 52.9% Right Angle 2 11.8% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 17	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 3 17.6% Unspecified 0 0.0%
SURFACE Dry 14 82.4% Wet 2 11.8% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 1 5.9% Total 17	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 5.9% Property Damage 16 94.1% Non-Reportable 0 0.0% Total 17	
TIME OF YEAR Winter (Dec-Feb) 2 11.8% Spring (Mar-May) 10 58.8% Summer (Jun-Aug) 2 11.8% Fall (Sep-Nov) 3 17.6% Total 17	TYPE OF VEHICLE Passenger Cars 28 87.5% Commercial Vehicles 4 12.5% Total 32	
DAY OF WEEK Sunday 0 0.0% Monday 2 11.8% Tuesday 2 11.8% Wednesday 2 11.8% Thursday 4 23.5% Friday 2 11.8% Saturday 5 29.4% Total 17	LIGHT CONDITION Daylight 11 64.7% Dawn/Dusk 0 0.0% Night 5 29.4% Unspecified 1 5.9% Total 17	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	1
Property Damage Accidents	2	6	8
Non-Reportable Accidents	0	0	0
Total Accidents	2	6	9

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** _____
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** _____
REMARKS: Selected Accidents: S Clinton St at W Onondaga St **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 1 20.0% 10 AM - 4 PM 1 20.0% 4 PM - 7 PM 2 40.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 1 20.0% Unspecified 0 0.0% Total 5	DIRECTION North 0 0.0% South 4 44.4% East 2 22.2% West 3 33.3% Total 9	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 4 80.0% Cloudy 0 0.0% Rain 1 20.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 5	ACCIDENT TYPE Rear End 2 40.0% Overtake 0 0.0% Right Angle 1 20.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 20.0% Head On 0 0.0% Sideswipe 0 0.0% Total 5	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 4 80.0% Wet 1 20.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 5	ACCIDENT SEVERITY Fatal 0 0.0% Injury 3 60.0% Property Damage 2 40.0% Non-Reportable 0 0.0% Total 5	
TIME OF YEAR Winter (Dec-Feb) 0 0.0% Spring (Mar-May) 1 20.0% Summer (Jun-Aug) 2 40.0% Fall (Sep-Nov) 2 40.0% Total 5	TYPE OF VEHICLE Passenger Cars 9 100.0% Commercial Vehicles 0 0.0% Total 9	
DAY OF WEEK Sunday 1 20.0% Monday 1 20.0% Tuesday 0 0.0% Wednesday 0 0.0% Thursday 1 20.0% Friday 1 20.0% Saturday 1 20.0% Total 5	LIGHT CONDITION Daylight 4 80.0% Dawn/Dusk 0 0.0% Night 1 20.0% Unspecified 0 0.0% Total 5	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	1	1
Property Damage Accidents	1	1	0
Non-Reportable Accidents	0	0	0
Total Accidents	2	2	1

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Clinton St at W Adams St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 2 20.0% 10 AM - 4 PM 3 30.0% 4 PM - 7 PM 2 20.0% 7 PM - 12 AM 1 10.0% 12 AM - 6 AM 2 20.0% Unspecified 0 0.0% Total 10	DIRECTION North 1 5.0% South 7 35.0% East 8 40.0% West 0 0.0% Total 20	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 1 5.0% Southwest 0 0.0% Unspecified 3 15.0%
WEATHER Clear 6 60.0% Cloudy 2 20.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 2 20.0% Total 10	ACCIDENT TYPE Rear End 1 10.0% Overtake 2 20.0% Right Angle 3 30.0% Left Turn 1 10.0% Right Turn 0 0.0% Fixed Object 1 10.0% Head On 0 0.0% Sideswipe 1 10.0% Total 10	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 10.0% Unspecified 0 0.0%
SURFACE Dry 7 70.0% Wet 1 10.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 2 20.0% Total 10	ACCIDENT SEVERITY Fatal 0 0.0% Injury 2 20.0% Property Damage 8 80.0% Non-Reportable 0 0.0% Total 10	
TIME OF YEAR Winter (Dec-Feb) 2 20.0% Spring (Mar-May) 2 20.0% Summer (Jun-Aug) 3 30.0% Fall (Sep-Nov) 3 30.0% Total 10	TYPE OF VEHICLE Passenger Cars 17 85.0% Commercial Vehicles 3 15.0% Total 20	
DAY OF WEEK Sunday 0 0.0% Monday 1 10.0% Tuesday 1 10.0% Wednesday 4 40.0% Thursday 2 20.0% Friday 2 20.0% Saturday 0 0.0% Total 10	LIGHT CONDITION Daylight 7 70.0% Dawn/Dusk 0 0.0% Night 1 10.0% Unspecified 2 20.0% Total 10	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	1
Property Damage Accidents	2	5	1
Non-Reportable Accidents	0	0	0
Total Accidents	2	6	2

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N Salina St at Herald Pl*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 2 28.6% 10 AM - 4 PM 1 14.3% 4 PM - 7 PM 2 28.6% 7 PM - 12 AM 2 28.6% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 7	DIRECTION # ACC % North 5 35.7% South 7 50.0% East 0 0.0% West 0 0.0% Total 14	DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 2 14.3%
WEATHER # ACC % Clear 3 42.9% Cloudy 2 28.6% Rain 0 0.0% Snow 1 14.3% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 14.3% Total 7	ACCIDENT TYPE # ACC % Rear End 5 71.4% Overtake 1 14.3% Right Angle 1 14.3% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 7	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 5 71.4% Wet 1 14.3% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 1 14.3% Total 7	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 1 14.3% Property Damage 6 85.7% Non-Reportable 0 0.0% Total 7	
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 28.6% Spring (Mar-May) 2 28.6% Summer (Jun-Aug) 3 42.9% Fall (Sep-Nov) 0 0.0% Total 7	TYPE OF VEHICLE # ACC % Passenger Cars 14 100.0% Commercial Vehicles 0 0.0% Total 14	
DAY OF WEEK # ACC % Sunday 1 14.3% Monday 0 0.0% Tuesday 1 14.3% Wednesday 1 14.3% Thursday 2 28.6% Friday 2 28.6% Saturday 0 0.0% Total 7	LIGHT CONDITION # ACC % Daylight 4 57.1% Dawn/Dusk 0 0.0% Night 2 28.6% Unspecified 1 14.3% Total 7	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	2	3	1
Non-Reportable Accidents	0	0	0
Total Accidents	2	4	1

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N Salina St at NY 5 W Genesee St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 4 11.4% 10 AM - 4 PM 14 40.0% 4 PM - 7 PM 6 17.1% 7 PM - 12 AM 9 25.7% 12 AM - 6 AM 2 5.7% Unspecified 0 0.0% Total 35	DIRECTION North 17 25.4% South 20 29.9% East 8 11.9% West 15 22.4% Total 67	DIRECTION Northeast 2 3.0% Northwest 4 6.0% Southeast 1 1.5% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 20 57.1% Cloudy 11 31.4% Rain 2 5.7% Snow 2 5.7% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 35	ACCIDENT TYPE Rear End 8 22.9% Overtake 5 14.3% Right Angle 9 25.7% Left Turn 2 5.7% Right Turn 2 5.7% Fixed Object 2 5.7% Head On 0 0.0% Sideswipe 1 2.9% Total 35	ACCIDENT TYPE Pedestrian 2 5.7% Bicycle 1 2.9% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 2.9% Unspecified 0 0.0%
SURFACE Dry 27 77.1% Wet 5 14.3% Mud/Slush 0 0.0% Snow/Ice 3 8.6% Unspecified 0 0.0% Total 35	ACCIDENT SEVERITY Fatal 0 0.0% Injury 14 40.0% Property Damage 21 60.0% Non-Reportable 0 0.0% Total 35	
TIME OF YEAR Winter (Dec-Feb) 9 25.7% Spring (Mar-May) 8 22.9% Summer (Jun-Aug) 9 25.7% Fall (Sep-Nov) 9 25.7% Total 35	TYPE OF VEHICLE Passenger Cars 61 91.0% Commercial Vehicles 6 9.0% Total 67	
DAY OF WEEK Sunday 4 11.4% Monday 3 8.6% Tuesday 5 14.3% Wednesday 7 20.0% Thursday 7 20.0% Friday 7 20.0% Saturday 2 5.7% Total 35	LIGHT CONDITION Daylight 23 65.7% Dawn/Dusk 1 2.9% Night 11 31.4% Unspecified 0 0.0% Total 35	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	3	5	6
Property Damage Accidents	4	7	10
Non-Reportable Accidents	0	0	0
Total Accidents	7	12	16

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Salina St at E/W Washington St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 3 27.3% 10 AM - 4 PM 2 18.2% 4 PM - 7 PM 4 36.4% 7 PM - 12 AM 1 9.1% 12 AM - 6 AM 1 9.1% Unspecified 0 0.0% Total 11	DIRECTION North 7 33.3% South 7 33.3% East 4 19.0% West 2 9.5% Total 21	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 1 4.8% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 5 45.5% Cloudy 4 36.4% Rain 0 0.0% Snow 2 18.2% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 11	ACCIDENT TYPE Rear End 2 18.2% Overtake 4 36.4% Right Angle 1 9.1% Left Turn 1 9.1% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 11	ACCIDENT TYPE Pedestrian 1 9.1% Bicycle 2 18.2% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 8 72.7% Wet 1 9.1% Mud/Slush 0 0.0% Snow/Ice 2 18.2% Unspecified 0 0.0% Total 11	ACCIDENT SEVERITY Fatal 0 0.0% Injury 4 36.4% Property Damage 7 63.6% Non-Reportable 0 0.0% Total 11	
TIME OF YEAR Winter (Dec-Feb) 3 27.3% Spring (Mar-May) 1 9.1% Summer (Jun-Aug) 5 45.5% Fall (Sep-Nov) 2 18.2% Total 11	TYPE OF VEHICLE Passenger Cars 17 89.5% Commercial Vehicles 2 10.5% Total 19	
DAY OF WEEK Sunday 1 9.1% Monday 2 18.2% Tuesday 1 9.1% Wednesday 1 9.1% Thursday 1 9.1% Friday 3 27.3% Saturday 2 18.2% Total 11	LIGHT CONDITION Daylight 9 81.8% Dawn/Dusk 0 0.0% Night 2 18.2% Unspecified 0 0.0% Total 11	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	3
Property Damage Accidents	1	4	2
Non-Reportable Accidents	0	0	0
Total Accidents	1	5	5

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Salina St at E/W Fayette St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 1 4.0% 10 AM - 4 PM 9 36.0% 4 PM - 7 PM 8 32.0% 7 PM - 12 AM 3 12.0% 12 AM - 6 AM 4 16.0% Unspecified 0 0.0% Total 25			DIRECTION # ACC % North 18 40.9% South 10 22.7% East 7 15.9% West 5 11.4% Total 44			DIRECTION # ACC % Northeast 3 6.8% Northwest 1 2.3% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 15 60.0% Cloudy 5 20.0% Rain 3 12.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 2 8.0% Total 25			ACCIDENT TYPE # ACC % Rear End 9 36.0% Overtake 6 24.0% Right Angle 4 16.0% Left Turn 1 4.0% Right Turn 0 0.0% Fixed Object 1 4.0% Head On 0 0.0% Sideswipe 0 0.0% Total 25			ACCIDENT TYPE # ACC % Pedestrian 1 4.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 3 12.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 16 64.0% Wet 5 20.0% Mud/Slush 0 0.0% Snow/Ice 2 8.0% Unspecified 2 8.0% Total 25			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 6 24.0% Property Damage 19 76.0% Non-Reportable 0 0.0% Total 25					
TIME OF YEAR # ACC % Winter (Dec-Feb) 7 28.0% Spring (Mar-May) 5 20.0% Summer (Jun-Aug) 7 28.0% Fall (Sep-Nov) 6 24.0% Total 25			TYPE OF VEHICLE # ACC % Passenger Cars 39 86.7% Commercial Vehicles 6 13.3% Total 45					
DAY OF WEEK # ACC % Sunday 3 12.0% Monday 2 8.0% Tuesday 3 12.0% Wednesday 4 16.0% Thursday 2 8.0% Friday 7 28.0% Saturday 4 16.0% Total 25			LIGHT CONDITION # ACC % Daylight 14 56.0% Dawn/Dusk 0 0.0% Night 9 36.0% Unspecified 2 8.0% Total 25					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	2	4
Property Damage Accidents	7	5	7
Non-Reportable Accidents	0	0	0
Total Accidents	7	7	11

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Salina St at Harrison St / Onondaga St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 3 13.6% 10 AM - 4 PM 11 50.0% 4 PM - 7 PM 5 22.7% 7 PM - 12 AM 1 4.5% 12 AM - 6 AM 2 9.1% Unspecified 0 0.0% Total 22			DIRECTION # ACC % North 11 26.2% South 11 26.2% East 4 9.5% West 10 23.8% Total 42			DIRECTION # ACC % Northeast 2 4.8% Northwest 0 0.0% Southeast 0 0.0% Southwest 1 2.4% Unspecified 3 7.1%		
WEATHER # ACC % Clear 7 31.8% Cloudy 9 40.9% Rain 1 4.5% Snow 4 18.2% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 4.5% Total 22			ACCIDENT TYPE # ACC % Rear End 8 36.4% Overtake 4 18.2% Right Angle 2 9.1% Left Turn 1 4.5% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 22			ACCIDENT TYPE # ACC % Pedestrian 2 9.1% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 5 22.7% Unspecified 0 0.0%		
SURFACE # ACC % Dry 15 68.2% Wet 2 9.1% Mud/Slush 0 0.0% Snow/Ice 4 18.2% Unspecified 1 4.5% Total 22			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 4 18.2% Property Damage 18 81.8% Non-Reportable 0 0.0% Total 22					
TIME OF YEAR # ACC % Winter (Dec-Feb) 9 40.9% Spring (Mar-May) 4 18.2% Summer (Jun-Aug) 6 27.3% Fall (Sep-Nov) 3 13.6% Total 22			TYPE OF VEHICLE # ACC % Passenger Cars 39 92.9% Commercial Vehicles 3 7.1% Total 42					
DAY OF WEEK # ACC % Sunday 2 9.1% Monday 3 13.6% Tuesday 6 27.3% Wednesday 0 0.0% Thursday 4 18.2% Friday 4 18.2% Saturday 3 13.6% Total 22			LIGHT CONDITION # ACC % Daylight 17 77.3% Dawn/Dusk 0 0.0% Night 4 18.2% Unspecified 1 4.5% Total 22					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	2	0
Property Damage Accidents	5	6	7
Non-Reportable Accidents	0	0	0
Total Accidents	7	8	7

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Salina St at E/W Adams St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 5 13.2% 10 AM - 4 PM 18 47.4% 4 PM - 7 PM 10 26.3% 7 PM - 12 AM 3 7.9% 12 AM - 6 AM 2 5.3% Unspecified 0 0.0% Total 38			DIRECTION # ACC % North 23 30.7% South 31 41.3% East 12 16.0% West 2 2.7% Total 75			DIRECTION # ACC % Northeast 1 1.3% Northwest 2 2.7% Southeast 1 1.3% Southwest 1 1.3% Unspecified 2 2.7%		
WEATHER # ACC % Clear 22 57.9% Cloudy 8 21.1% Rain 4 10.5% Snow 3 7.9% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 2.6% Total 38			ACCIDENT TYPE # ACC % Rear End 10 26.3% Overtake 7 18.4% Right Angle 9 23.7% Left Turn 4 10.5% Right Turn 1 2.6% Fixed Object 1 2.6% Head On 0 0.0% Sideswipe 0 0.0% Total 38			ACCIDENT TYPE # ACC % Pedestrian 3 7.9% Bicycle 1 2.6% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 2 5.3% Unspecified 0 0.0%		
SURFACE # ACC % Dry 28 73.7% Wet 5 13.2% Mud/Slush 0 0.0% Snow/Ice 4 10.5% Unspecified 1 2.6% Total 38			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 11 28.9% Property Damage 27 71.1% Non-Reportable 0 0.0% Total 38					
TIME OF YEAR # ACC % Winter (Dec-Feb) 8 21.1% Spring (Mar-May) 10 26.3% Summer (Jun-Aug) 14 36.8% Fall (Sep-Nov) 6 15.8% Total 38			TYPE OF VEHICLE # ACC % Passenger Cars 68 90.7% Commercial Vehicles 7 9.3% Total 75					
DAY OF WEEK # ACC % Sunday 2 5.3% Monday 5 13.2% Tuesday 7 18.4% Wednesday 3 7.9% Thursday 10 26.3% Friday 8 21.1% Saturday 3 7.9% Total 38			LIGHT CONDITION # ACC % Daylight 33 86.8% Dawn/Dusk 0 0.0% Night 4 10.5% Unspecified 1 2.6% Total 38					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	2	7
Property Damage Accidents	3	10	14
Non-Reportable Accidents	0	0	0
Total Accidents	5	12	21

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Pearl St at Hickory St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 1 33.3% 4 PM - 7 PM 2 66.7% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 3	DIRECTION # ACC % North 2 33.3% South 2 33.3% East 0 0.0% West 2 33.3% Total 6	DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER # ACC % Clear 1 33.3% Cloudy 2 66.7% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 3	ACCIDENT TYPE # ACC % Rear End 3 100.0% Overtake 0 0.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 3	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 1 33.3% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 2 66.7% Unspecified 0 0.0% Total 3	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 1 33.3% Property Damage 2 66.7% Non-Reportable 0 0.0% Total 3	
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 66.7% Spring (Mar-May) 1 33.3% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 0 0.0% Total 3	TYPE OF VEHICLE # ACC % Passenger Cars 5 83.3% Commercial Vehicles 1 16.7% Total 6	
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 2 66.7% Tuesday 0 0.0% Wednesday 0 0.0% Thursday 1 33.3% Friday 0 0.0% Saturday 0 0.0% Total 3	LIGHT CONDITION # ACC % Daylight 2 66.7% Dawn/Dusk 0 0.0% Night 1 33.3% Unspecified 0 0.0% Total 3	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	0	1	1
Non-Reportable Accidents	0	0	0
Total Accidents	0	2	1

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Pearl St at E Willow St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 1 25.0% 10 AM - 4 PM 2 50.0% 4 PM - 7 PM 1 25.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 4	DIRECTION North 6 85.7% South 0 0.0% East 0 0.0% West 1 14.3% Total 7	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 3 75.0% Cloudy 1 25.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 4	ACCIDENT TYPE Rear End 1 25.0% Overtake 1 25.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 25.0% Head On 0 0.0% Sideswipe 0 0.0% Total 4	ACCIDENT TYPE Pedestrian 1 25.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 3 75.0% Wet 1 25.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 4	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 25.0% Property Damage 3 75.0% Non-Reportable 0 0.0% Total 4	
TIME OF YEAR Winter (Dec-Feb) 1 25.0% Spring (Mar-May) 1 25.0% Summer (Jun-Aug) 1 25.0% Fall (Sep-Nov) 1 25.0% Total 4	TYPE OF VEHICLE Passenger Cars 6 85.7% Commercial Vehicles 1 14.3% Total 7	
DAY OF WEEK Sunday 0 0.0% Monday 0 0.0% Tuesday 1 25.0% Wednesday 0 0.0% Thursday 1 25.0% Friday 1 25.0% Saturday 1 25.0% Total 4	LIGHT CONDITION Daylight 3 75.0% Dawn/Dusk 0 0.0% Night 1 25.0% Unspecified 0 0.0% Total 4	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	1
Property Damage Accidents	2	0	1
Non-Reportable Accidents	0	0	0
Total Accidents	2	0	2

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N Warren St at E Willow St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 1 33.3% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 1 33.3% 12 AM - 6 AM 1 33.3% Unspecified 0 0.0% Total 3	DIRECTION # ACC % North 3 50.0% South 0 0.0% East 2 33.3% West 0 0.0% Total 6	DIRECTION # ACC % Northeast 1 16.7% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER # ACC % Clear 2 66.7% Cloudy 1 33.3% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 3	ACCIDENT TYPE # ACC % Rear End 0 0.0% Overtake 1 33.3% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 1 33.3% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 3	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 33.3% Unspecified 0 0.0%
SURFACE # ACC % Dry 3 100.0% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 3	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 0 0.0% Property Damage 3 100.0% Non-Reportable 0 0.0% Total 3	
TIME OF YEAR # ACC % Winter (Dec-Feb) 1 33.3% Spring (Mar-May) 1 33.3% Summer (Jun-Aug) 1 33.3% Fall (Sep-Nov) 0 0.0% Total 3	TYPE OF VEHICLE # ACC % Passenger Cars 6 100.0% Commercial Vehicles 0 0.0% Total 6	
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 1 33.3% Tuesday 0 0.0% Wednesday 1 33.3% Thursday 0 0.0% Friday 1 33.3% Saturday 0 0.0% Total 3	LIGHT CONDITION # ACC % Daylight 2 66.7% Dawn/Dusk 0 0.0% Night 1 33.3% Unspecified 0 0.0% Total 3	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	0	2	1
Non-Reportable Accidents	0	0	0
Total Accidents	0	2	1

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N Warren St at NY 5 / James St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 2 14.3% 10 AM - 4 PM 7 50.0% 4 PM - 7 PM 3 21.4% 7 PM - 12 AM 1 7.1% 12 AM - 6 AM 1 7.1% Unspecified 0 0.0% Total 14	DIRECTION North 4 15.4% South 2 7.7% East 6 23.1% West 8 30.8% Total 26	DIRECTION Northeast 2 7.7% Northwest 2 7.7% Southeast 0 0.0% Southwest 0 0.0% Unspecified 2 7.7%
WEATHER Clear 8 57.1% Cloudy 3 21.4% Rain 2 14.3% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 7.1% Total 14	ACCIDENT TYPE Rear End 5 35.7% Overtake 1 7.1% Right Angle 1 7.1% Left Turn 1 7.1% Right Turn 0 0.0% Fixed Object 2 14.3% Head On 0 0.0% Sideswipe 1 7.1% Total 14	ACCIDENT TYPE Pedestrian 1 7.1% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 2 14.3% Unspecified 0 0.0%
SURFACE Dry 8 57.1% Wet 5 35.7% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 1 7.1% Total 14	ACCIDENT SEVERITY Fatal 0 0.0% Injury 4 28.6% Property Damage 10 71.4% Non-Reportable 0 0.0% Total 14	
TIME OF YEAR Winter (Dec-Feb) 1 7.1% Spring (Mar-May) 3 21.4% Summer (Jun-Aug) 6 42.9% Fall (Sep-Nov) 4 28.6% Total 14	TYPE OF VEHICLE Passenger Cars 25 96.2% Commercial Vehicles 1 3.8% Total 26	
DAY OF WEEK Sunday 0 0.0% Monday 1 7.1% Tuesday 1 7.1% Wednesday 3 21.4% Thursday 4 28.6% Friday 2 14.3% Saturday 3 21.4% Total 14	LIGHT CONDITION Daylight 10 71.4% Dawn/Dusk 0 0.0% Night 3 21.4% Unspecified 1 7.1% Total 14	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	1	2
Property Damage Accidents	3	2	5
Non-Reportable Accidents	0	0	0
Total Accidents	4	3	7

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N Warren St at E Erie Blvd*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 2 33.3% 4 PM - 7 PM 3 50.0% 7 PM - 12 AM 1 16.7% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 6			DIRECTION # ACC % North 4 33.3% South 1 8.3% East 5 41.7% West 0 0.0% Total 12			DIRECTION # ACC % Northeast 2 16.7% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 4 66.7% Cloudy 1 16.7% Rain 0 0.0% Snow 1 16.7% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 6			ACCIDENT TYPE # ACC % Rear End 1 16.7% Overtake 2 33.3% Right Angle 1 16.7% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 1 16.7% Total 6			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 16.7% Unspecified 0 0.0%		
SURFACE # ACC % Dry 4 66.7% Wet 1 16.7% Mud/Slush 0 0.0% Snow/Ice 1 16.7% Unspecified 0 0.0% Total 6			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 0 0.0% Property Damage 6 100.0% Non-Reportable 0 0.0% Total 6					
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 33.3% Spring (Mar-May) 3 50.0% Summer (Jun-Aug) 1 16.7% Fall (Sep-Nov) 0 0.0% Total 6			TYPE OF VEHICLE # ACC % Passenger Cars 11 91.7% Commercial Vehicles 1 8.3% Total 12					
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 0 0.0% Tuesday 0 0.0% Wednesday 1 16.7% Thursday 2 33.3% Friday 3 50.0% Saturday 0 0.0% Total 6			LIGHT CONDITION # ACC % Daylight 4 66.7% Dawn/Dusk 0 0.0% Night 2 33.3% Unspecified 0 0.0% Total 6					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	2	3	1
Non-Reportable Accidents	0	0	0
Total Accidents	2	3	1

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *S Warren St at Harrison St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 1 12.5% 10 AM - 4 PM 6 75.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 1 12.5% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 8	DIRECTION North 2 13.3% South 2 13.3% East 1 6.7% West 9 60.0% Total 15	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 1 6.7% Unspecified 0 0.0%
WEATHER Clear 4 50.0% Cloudy 2 25.0% Rain 2 25.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 8	ACCIDENT TYPE Rear End 1 12.5% Overtake 3 37.5% Right Angle 2 25.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 8	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 2 25.0% Unspecified 0 0.0%
SURFACE Dry 6 75.0% Wet 2 25.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 8	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 12.5% Property Damage 7 87.5% Non-Reportable 0 0.0% Total 8	
TIME OF YEAR Winter (Dec-Feb) 1 12.5% Spring (Mar-May) 3 37.5% Summer (Jun-Aug) 1 12.5% Fall (Sep-Nov) 3 37.5% Total 8	TYPE OF VEHICLE Passenger Cars 14 93.3% Commercial Vehicles 1 6.7% Total 15	
DAY OF WEEK Sunday 0 0.0% Monday 2 25.0% Tuesday 2 25.0% Wednesday 1 12.5% Thursday 2 25.0% Friday 1 12.5% Saturday 0 0.0% Total 8	LIGHT CONDITION Daylight 7 87.5% Dawn/Dusk 0 0.0% Night 1 12.5% Unspecified 0 0.0% Total 8	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	0	0
Property Damage Accidents	1	5	1
Non-Reportable Accidents	0	0	0
Total Accidents	2	5	1

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Warren St at E Adams St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 3 33.3% 10 AM - 4 PM 5 55.6% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 1 11.1% Unspecified 0 0.0% Total 9			DIRECTION # ACC % North 9 50.0% South 0 0.0% East 4 22.2% West 1 5.6% Total 18			DIRECTION # ACC % Northeast 3 16.7% Northwest 0 0.0% Southeast 0 0.0% Southwest 1 5.6% Unspecified 0 0.0%		
WEATHER # ACC % Clear 3 33.3% Cloudy 6 66.7% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 9			ACCIDENT TYPE # ACC % Rear End 5 55.6% Overtake 1 11.1% Right Angle 2 22.2% Left Turn 1 11.1% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 9			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 7 77.8% Wet 2 22.2% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 9			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 3 33.3% Property Damage 6 66.7% Non-Reportable 0 0.0% Total 9					
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 22.2% Spring (Mar-May) 1 11.1% Summer (Jun-Aug) 4 44.4% Fall (Sep-Nov) 2 22.2% Total 9			TYPE OF VEHICLE # ACC % Passenger Cars 18 100.0% Commercial Vehicles 0 0.0% Total 18					
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 1 11.1% Tuesday 4 44.4% Wednesday 3 33.3% Thursday 1 11.1% Friday 0 0.0% Saturday 0 0.0% Total 9			LIGHT CONDITION # ACC % Daylight 8 88.9% Dawn/Dusk 0 0.0% Night 1 11.1% Unspecified 0 0.0% Total 9					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	2	1
Property Damage Accidents	2	1	3
Non-Reportable Accidents	0	0	0
Total Accidents	2	3	4

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Oswego Blvd at James St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 4 30.8% 10 AM - 4 PM 5 38.5% 4 PM - 7 PM 2 15.4% 7 PM - 12 AM 1 7.7% 12 AM - 6 AM 1 7.7% Unspecified 0 0.0% Total 13	DIRECTION North 2 8.0% South 2 8.0% East 6 24.0% West 9 36.0% Total 25	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 2 8.0% Southwest 0 0.0% Unspecified 4 16.0%
WEATHER Clear 4 30.8% Cloudy 3 23.1% Rain 2 15.4% Snow 2 15.4% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 2 15.4% Total 13	ACCIDENT TYPE Rear End 7 53.8% Overtake 4 30.8% Right Angle 0 0.0% Left Turn 1 7.7% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 13	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 7.7% Unspecified 0 0.0%
SURFACE Dry 4 30.8% Wet 3 23.1% Mud/Slush 0 0.0% Snow/Ice 4 30.8% Unspecified 2 15.4% Total 13	ACCIDENT SEVERITY Fatal 0 0.0% Injury 2 15.4% Property Damage 11 84.6% Non-Reportable 0 0.0% Total 13	
TIME OF YEAR Winter (Dec-Feb) 3 23.1% Spring (Mar-May) 6 46.2% Summer (Jun-Aug) 2 15.4% Fall (Sep-Nov) 2 15.4% Total 13	TYPE OF VEHICLE Passenger Cars 22 88.0% Commercial Vehicles 3 12.0% Total 25	
DAY OF WEEK Sunday 2 15.4% Monday 1 7.7% Tuesday 4 30.8% Wednesday 1 7.7% Thursday 2 15.4% Friday 1 7.7% Saturday 2 15.4% Total 13	LIGHT CONDITION Daylight 9 69.2% Dawn/Dusk 0 0.0% Night 2 15.4% Unspecified 2 15.4% Total 13	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	1
Property Damage Accidents	2	4	5
Non-Reportable Accidents	0	0	0
Total Accidents	2	5	6

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *NY 5 / Oswego Blvd at Montgomery St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 5 71.4% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 2 28.6% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 7	DIRECTION North 2 14.3% South 3 21.4% East 5 35.7% West 1 7.1% Total 14	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 3 21.4%
WEATHER Clear 6 85.7% Cloudy 0 0.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 14.3% Total 7	ACCIDENT TYPE Rear End 1 14.3% Overtake 2 28.6% Right Angle 2 28.6% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 7	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 2 28.6% Unspecified 0 0.0%
SURFACE Dry 6 85.7% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 1 14.3% Total 7	ACCIDENT SEVERITY Fatal 0 0.0% Injury 0 0.0% Property Damage 7 100.0% Non-Reportable 0 0.0% Total 7	
TIME OF YEAR Winter (Dec-Feb) 3 42.9% Spring (Mar-May) 2 28.6% Summer (Jun-Aug) 1 14.3% Fall (Sep-Nov) 1 14.3% Total 7	TYPE OF VEHICLE Passenger Cars 11 78.6% Commercial Vehicles 3 21.4% Total 14	
DAY OF WEEK Sunday 1 14.3% Monday 1 14.3% Tuesday 2 28.6% Wednesday 0 0.0% Thursday 2 28.6% Friday 0 0.0% Saturday 1 14.3% Total 7	LIGHT CONDITION Daylight 4 57.1% Dawn/Dusk 1 14.3% Night 1 14.3% Unspecified 1 14.3% Total 7	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	1	2	4
Non-Reportable Accidents	0	0	0
Total Accidents	1	2	4

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Montgomery St at Harrison St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 1 14.3% 10 AM - 4 PM 6 85.7% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 7	DIRECTION North 0 0.0% South 8 61.5% East 0 0.0% West 3 23.1% Total 13	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 2 15.4%
WEATHER Clear 2 28.6% Cloudy 2 28.6% Rain 1 14.3% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 2 28.6% Total 7	ACCIDENT TYPE Rear End 2 28.6% Overtake 1 14.3% Right Angle 3 42.9% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 7	ACCIDENT TYPE Pedestrian 1 14.3% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 4 57.1% Wet 1 14.3% Mud/Slush 0 0.0% Snow/Ice 1 14.3% Unspecified 1 14.3% Total 7	ACCIDENT SEVERITY Fatal 0 0.0% Injury 3 42.9% Property Damage 4 57.1% Non-Reportable 0 0.0% Total 7	
TIME OF YEAR Winter (Dec-Feb) 1 14.3% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 3 42.9% Fall (Sep-Nov) 3 42.9% Total 7	TYPE OF VEHICLE Passenger Cars 13 100.0% Commercial Vehicles 0 0.0% Total 13	
DAY OF WEEK Sunday 0 0.0% Monday 2 28.6% Tuesday 1 14.3% Wednesday 1 14.3% Thursday 2 28.6% Friday 0 0.0% Saturday 1 14.3% Total 7	LIGHT CONDITION Daylight 6 85.7% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 1 14.3% Total 7	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	0	1
Property Damage Accidents	0	3	1
Non-Reportable Accidents	0	0	0
Total Accidents	2	3	2

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Montgomery St at E Adams St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 2 50.0% 4 PM - 7 PM 2 50.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 4	DIRECTION # ACC % North 0 0.0% South 1 12.5% East 5 62.5% West 1 12.5% Total 8	DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 1 12.5% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER # ACC % Clear 2 50.0% Cloudy 2 50.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 4	ACCIDENT TYPE # ACC % Rear End 1 25.0% Overtake 0 0.0% Right Angle 2 50.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 4	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 25.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 3 75.0% Wet 1 25.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 4	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 1 25.0% Property Damage 3 75.0% Non-Reportable 0 0.0% Total 4	
TIME OF YEAR # ACC % Winter (Dec-Feb) 1 25.0% Spring (Mar-May) 1 25.0% Summer (Jun-Aug) 2 50.0% Fall (Sep-Nov) 0 0.0% Total 4	TYPE OF VEHICLE # ACC % Passenger Cars 8 100.0% Commercial Vehicles 0 0.0% Total 8	
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 0 0.0% Tuesday 0 0.0% Wednesday 3 75.0% Thursday 1 25.0% Friday 0 0.0% Saturday 0 0.0% Total 4	LIGHT CONDITION # ACC % Daylight 4 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 4	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	1	2	0
Non-Reportable Accidents	0	0	0
Total Accidents	1	3	0

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *US 11 / N State St at Hickory St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 1 20.0% 10 AM - 4 PM 3 60.0% 4 PM - 7 PM 1 20.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 5	DIRECTION # ACC % North 1 10.0% South 4 40.0% East 0 0.0% West 4 40.0% Total 10	DIRECTION # ACC % Northeast 0 0.0% Northwest 1 10.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER # ACC % Clear 4 80.0% Cloudy 0 0.0% Rain 0 0.0% Snow 1 20.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 5	ACCIDENT TYPE # ACC % Rear End 1 20.0% Overtake 1 20.0% Right Angle 2 40.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 5	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 3 60.0% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 2 40.0% Unspecified 0 0.0% Total 5	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 1 20.0% Property Damage 4 80.0% Non-Reportable 0 0.0% Total 5	
TIME OF YEAR # ACC % Winter (Dec-Feb) 3 60.0% Spring (Mar-May) 1 20.0% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 1 20.0% Total 5	TYPE OF VEHICLE # ACC % Passenger Cars 10 100.0% Commercial Vehicles 0 0.0% Total 10	
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 1 20.0% Tuesday 0 0.0% Wednesday 2 40.0% Thursday 0 0.0% Friday 2 40.0% Saturday 0 0.0% Total 5	LIGHT CONDITION # ACC % Daylight 5 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 5	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	0	3	1
Non-Reportable Accidents	0	0	0
Total Accidents	0	4	1

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *US 11 / N State St at E Willow St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 5 27.8% 10 AM - 4 PM 5 27.8% 4 PM - 7 PM 4 22.2% 7 PM - 12 AM 3 16.7% 12 AM - 6 AM 1 5.6% Unspecified 0 0.0% Total 18	DIRECTION North 13 36.1% South 6 16.7% East 4 11.1% West 7 19.4% Total 36	DIRECTION Northeast 0 0.0% Northwest 1 2.8% Southeast 1 2.8% Southwest 0 0.0% Unspecified 4 11.1%
WEATHER Clear 9 50.0% Cloudy 1 5.6% Rain 3 16.7% Snow 3 16.7% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 2 11.1% Total 18	ACCIDENT TYPE Rear End 4 22.2% Overtake 3 16.7% Right Angle 9 50.0% Left Turn 1 5.6% Right Turn 1 5.6% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 18	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 10 55.6% Wet 4 22.2% Mud/Slush 0 0.0% Snow/Ice 2 11.1% Unspecified 2 11.1% Total 18	ACCIDENT SEVERITY Fatal 0 0.0% Injury 4 22.2% Property Damage 14 77.8% Non-Reportable 0 0.0% Total 18	
TIME OF YEAR Winter (Dec-Feb) 7 38.9% Spring (Mar-May) 3 16.7% Summer (Jun-Aug) 3 16.7% Fall (Sep-Nov) 5 27.8% Total 18	TYPE OF VEHICLE Passenger Cars 33 89.2% Commercial Vehicles 4 10.8% Total 37	
DAY OF WEEK Sunday 1 5.6% Monday 1 5.6% Tuesday 5 27.8% Wednesday 3 16.7% Thursday 1 5.6% Friday 4 22.2% Saturday 3 16.7% Total 18	LIGHT CONDITION Daylight 11 61.1% Dawn/Dusk 2 11.1% Night 3 16.7% Unspecified 2 11.1% Total 18	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	0	3
Property Damage Accidents	3	2	9
Non-Reportable Accidents	0	0	0
Total Accidents	4	2	12

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *US 11 / S State St at NY 5 / Erie Blvd E*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 1 9.1% 10 AM - 4 PM 5 45.5% 4 PM - 7 PM 3 27.3% 7 PM - 12 AM 1 9.1% 12 AM - 6 AM 1 9.1% Unspecified 0 0.0% Total 11	DIRECTION North 7 33.3% South 5 23.8% East 5 23.8% West 2 9.5% Total 21	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 2 9.5%
WEATHER Clear 8 72.7% Cloudy 1 9.1% Rain 1 9.1% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 9.1% Total 11	ACCIDENT TYPE Rear End 2 18.2% Overtake 3 27.3% Right Angle 3 27.3% Left Turn 1 9.1% Right Turn 1 9.1% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 11	ACCIDENT TYPE Pedestrian 1 9.1% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 9 81.8% Wet 1 9.1% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 1 9.1% Total 11	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 9.1% Property Damage 10 90.9% Non-Reportable 0 0.0% Total 11	
TIME OF YEAR Winter (Dec-Feb) 1 9.1% Spring (Mar-May) 3 27.3% Summer (Jun-Aug) 3 27.3% Fall (Sep-Nov) 4 36.4% Total 11	TYPE OF VEHICLE Passenger Cars 20 95.2% Commercial Vehicles 1 4.8% Total 21	
DAY OF WEEK Sunday 1 9.1% Monday 2 18.2% Tuesday 1 9.1% Wednesday 5 45.5% Thursday 1 9.1% Friday 0 0.0% Saturday 1 9.1% Total 11	LIGHT CONDITION Daylight 8 72.7% Dawn/Dusk 0 0.0% Night 2 18.2% Unspecified 1 9.1% Total 11	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	0	4	6
Non-Reportable Accidents	0	0	0
Total Accidents	0	5	6

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** US 11 / S State St at E Washington St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 4 30.8% 10 AM - 4 PM 7 53.8% 4 PM - 7 PM 1 7.7% 7 PM - 12 AM 1 7.7% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 13			DIRECTION # ACC % North 5 20.0% South 7 28.0% East 1 4.0% West 11 44.0% Total 25			DIRECTION # ACC % Northeast 1 4.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 3 23.1% Cloudy 6 46.2% Rain 2 15.4% Snow 2 15.4% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 13			ACCIDENT TYPE # ACC % Rear End 3 23.1% Overtake 1 7.7% Right Angle 5 38.5% Left Turn 1 7.7% Right Turn 0 0.0% Fixed Object 1 7.7% Head On 0 0.0% Sideswipe 0 0.0% Total 13			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 1 7.7% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 7.7% Unspecified 0 0.0%		
SURFACE # ACC % Dry 8 61.5% Wet 4 30.8% Mud/Slush 0 0.0% Snow/Ice 1 7.7% Unspecified 0 0.0% Total 13			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 3 23.1% Property Damage 10 76.9% Non-Reportable 0 0.0% Total 13					
TIME OF YEAR # ACC % Winter (Dec-Feb) 4 30.8% Spring (Mar-May) 4 30.8% Summer (Jun-Aug) 2 15.4% Fall (Sep-Nov) 3 23.1% Total 13			TYPE OF VEHICLE # ACC % Passenger Cars 23 95.8% Commercial Vehicles 1 4.2% Total 24					
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 4 30.8% Tuesday 3 23.1% Wednesday 2 15.4% Thursday 2 15.4% Friday 2 15.4% Saturday 0 0.0% Total 13			LIGHT CONDITION # ACC % Daylight 10 76.9% Dawn/Dusk 0 0.0% Night 3 23.1% Unspecified 0 0.0% Total 13					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	1	1
Property Damage Accidents	0	3	7
Non-Reportable Accidents	0	0	0
Total Accidents	1	4	8

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *US 11 / S State St at Harrison St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 3 13.6% 10 AM - 4 PM 8 36.4% 4 PM - 7 PM 7 31.8% 7 PM - 12 AM 3 13.6% 12 AM - 6 AM 1 4.5% Unspecified 0 0.0% Total 22	DIRECTION North 4 9.3% South 6 14.0% East 3 7.0% West 22 51.2% Total 43	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 5 11.6% Unspecified 3 7.0%
WEATHER Clear 7 31.8% Cloudy 11 50.0% Rain 3 13.6% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 4.5% Total 22	ACCIDENT TYPE Rear End 6 27.3% Overtake 5 22.7% Right Angle 4 18.2% Left Turn 1 4.5% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 22	ACCIDENT TYPE Pedestrian 2 9.1% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 3 13.6% Unspecified 0 0.0%
SURFACE Dry 14 63.6% Wet 5 22.7% Mud/Slush 0 0.0% Snow/Ice 2 9.1% Unspecified 1 4.5% Total 22	ACCIDENT SEVERITY Fatal 0 0.0% Injury 6 27.3% Property Damage 16 72.7% Non-Reportable 0 0.0% Total 22	
TIME OF YEAR Winter (Dec-Feb) 4 18.2% Spring (Mar-May) 5 22.7% Summer (Jun-Aug) 8 36.4% Fall (Sep-Nov) 5 22.7% Total 22	TYPE OF VEHICLE Passenger Cars 43 95.6% Commercial Vehicles 2 4.4% Total 45	
DAY OF WEEK Sunday 1 4.5% Monday 2 9.1% Tuesday 6 27.3% Wednesday 2 9.1% Thursday 0 0.0% Friday 7 31.8% Saturday 4 18.2% Total 22	LIGHT CONDITION Daylight 17 77.3% Dawn/Dusk 1 4.5% Night 3 13.6% Unspecified 1 4.5% Total 22	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	2	2
Property Damage Accidents	5	7	4
Non-Reportable Accidents	0	0	0
Total Accidents	7	9	6

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *US 11 / S State St at E Adams St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 8 29.6% 10 AM - 4 PM 14 51.9% 4 PM - 7 PM 3 11.1% 7 PM - 12 AM 1 3.7% 12 AM - 6 AM 1 3.7% Unspecified 0 0.0% Total 27			DIRECTION # ACC % North 5 10.0% South 16 32.0% East 25 50.0% West 3 6.0% Total 50			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 1 2.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 14 51.9% Cloudy 8 29.6% Rain 2 7.4% Snow 3 11.1% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 27			ACCIDENT TYPE # ACC % Rear End 10 37.0% Overtake 1 3.7% Right Angle 6 22.2% Left Turn 0 0.0% Right Turn 2 7.4% Fixed Object 3 11.1% Head On 0 0.0% Sideswipe 0 0.0% Total 27			ACCIDENT TYPE # ACC % Pedestrian 4 14.8% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 18 66.7% Wet 3 11.1% Mud/Slush 0 0.0% Snow/Ice 6 22.2% Unspecified 0 0.0% Total 27			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 12 44.4% Property Damage 15 55.6% Non-Reportable 0 0.0% Total 27					
TIME OF YEAR # ACC % Winter (Dec-Feb) 14 51.9% Spring (Mar-May) 5 18.5% Summer (Jun-Aug) 1 3.7% Fall (Sep-Nov) 7 25.9% Total 27			TYPE OF VEHICLE # ACC % Passenger Cars 49 94.2% Commercial Vehicles 3 5.8% Total 52					
DAY OF WEEK # ACC % Sunday 1 3.7% Monday 4 14.8% Tuesday 5 18.5% Wednesday 4 14.8% Thursday 7 25.9% Friday 4 14.8% Saturday 2 7.4% Total 27			LIGHT CONDITION # ACC % Daylight 23 85.2% Dawn/Dusk 1 3.7% Night 3 11.1% Unspecified 0 0.0% Total 27					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	8	2
Property Damage Accidents	3	9	3
Non-Reportable Accidents	0	0	0
Total Accidents	5	17	5

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** N Townsend St at Westbound I-690 Off-Ramp
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 1 20.0% 10 AM - 4 PM 2 40.0% 4 PM - 7 PM 1 20.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 1 20.0% Unspecified 0 0.0% Total 5			DIRECTION # ACC % North 1 14.3% South 3 42.9% East 0 0.0% West 3 42.9% Total 7			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 2 40.0% Cloudy 1 20.0% Rain 1 20.0% Snow 1 20.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 5			ACCIDENT TYPE # ACC % Rear End 0 0.0% Overtake 1 20.0% Right Angle 1 20.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 2 40.0% Head On 0 0.0% Sideswipe 0 0.0% Total 5			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 20.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 2 40.0% Wet 1 20.0% Mud/Slush 1 20.0% Snow/Ice 1 20.0% Unspecified 0 0.0% Total 5			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 2 40.0% Property Damage 3 60.0% Non-Reportable 0 0.0% Total 5					
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 40.0% Spring (Mar-May) 2 40.0% Summer (Jun-Aug) 1 20.0% Fall (Sep-Nov) 0 0.0% Total 5			TYPE OF VEHICLE # ACC % Passenger Cars 7 100.0% Commercial Vehicles 0 0.0% Total 7					
DAY OF WEEK # ACC % Sunday 1 20.0% Monday 1 20.0% Tuesday 1 20.0% Wednesday 0 0.0% Thursday 0 0.0% Friday 0 0.0% Saturday 2 40.0% Total 5			LIGHT CONDITION # ACC % Daylight 4 80.0% Dawn/Dusk 0 0.0% Night 1 20.0% Unspecified 0 0.0% Total 5					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	2
Property Damage Accidents	0	0	3
Non-Reportable Accidents	0	0	0
Total Accidents	0	0	5

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N Townsend St at NY 5 / Erie Blvd E*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 1 4.3% 10 AM - 4 PM 9 39.1% 4 PM - 7 PM 6 26.1% 7 PM - 12 AM 6 26.1% 12 AM - 6 AM 1 4.3% Unspecified 0 0.0% Total 23	DIRECTION North 5 10.6% South 19 40.4% East 13 27.7% West 7 14.9% Total 47	DIRECTION Northeast 1 2.1% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 2 4.3%
WEATHER Clear 9 39.1% Cloudy 11 47.8% Rain 2 8.7% Snow 1 4.3% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 23	ACCIDENT TYPE Rear End 7 30.4% Overtake 0 0.0% Right Angle 12 52.2% Left Turn 1 4.3% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 2 8.7% Total 23	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 4.3% Unspecified 0 0.0%
SURFACE Dry 14 60.9% Wet 9 39.1% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 23	ACCIDENT SEVERITY Fatal 0 0.0% Injury 7 30.4% Property Damage 16 69.6% Non-Reportable 0 0.0% Total 23	
TIME OF YEAR Winter (Dec-Feb) 4 17.4% Spring (Mar-May) 8 34.8% Summer (Jun-Aug) 6 26.1% Fall (Sep-Nov) 5 21.7% Total 23	TYPE OF VEHICLE Passenger Cars 45 95.7% Commercial Vehicles 2 4.3% Total 47	
DAY OF WEEK Sunday 4 17.4% Monday 3 13.0% Tuesday 4 17.4% Wednesday 4 17.4% Thursday 4 17.4% Friday 3 13.0% Saturday 1 4.3% Total 23	LIGHT CONDITION Daylight 15 65.2% Dawn/Dusk 2 8.7% Night 6 26.1% Unspecified 0 0.0% Total 23	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	3	2
Property Damage Accidents	5	4	7
Non-Reportable Accidents	0	0	0
Total Accidents	7	7	9

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Townsend St at E Washington St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 2 25.0% 10 AM - 4 PM 6 75.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 8			DIRECTION # ACC % North 4 25.0% South 6 37.5% East 1 6.3% West 3 18.8% Total 16			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 2 12.5% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 5 62.5% Cloudy 2 25.0% Rain 0 0.0% Snow 1 12.5% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 8			ACCIDENT TYPE # ACC % Rear End 1 12.5% Overtake 1 12.5% Right Angle 3 37.5% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 8			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 1 12.5% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 12.5% Unspecified 0 0.0%		
SURFACE # ACC % Dry 4 50.0% Wet 3 37.5% Mud/Slush 0 0.0% Snow/Ice 1 12.5% Unspecified 0 0.0% Total 8			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 2 25.0% Property Damage 6 75.0% Non-Reportable 0 0.0% Total 8					
TIME OF YEAR # ACC % Winter (Dec-Feb) 1 12.5% Spring (Mar-May) 4 50.0% Summer (Jun-Aug) 2 25.0% Fall (Sep-Nov) 1 12.5% Total 8			TYPE OF VEHICLE # ACC % Passenger Cars 13 86.7% Commercial Vehicles 2 13.3% Total 15					
DAY OF WEEK # ACC % Sunday 1 12.5% Monday 1 12.5% Tuesday 1 12.5% Wednesday 3 37.5% Thursday 0 0.0% Friday 1 12.5% Saturday 1 12.5% Total 8			LIGHT CONDITION # ACC % Daylight 8 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 8					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	1
Property Damage Accidents	1	4	1
Non-Reportable Accidents	0	0	0
Total Accidents	1	5	2

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Townsend St at E Fayette St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 4 25.0% 10 AM - 4 PM 8 50.0% 4 PM - 7 PM 2 12.5% 7 PM - 12 AM 1 6.3% 12 AM - 6 AM 1 6.3% Unspecified 0 0.0% Total 16			DIRECTION # ACC % North 5 16.7% South 6 20.0% East 12 40.0% West 2 6.7% Total 30			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 5 16.7%		
WEATHER # ACC % Clear 5 31.3% Cloudy 6 37.5% Rain 2 12.5% Snow 1 6.3% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 2 12.5% Total 16			ACCIDENT TYPE # ACC % Rear End 5 31.3% Overtake 0 0.0% Right Angle 4 25.0% Left Turn 1 6.3% Right Turn 1 6.3% Fixed Object 3 18.8% Head On 0 0.0% Sideswipe 0 0.0% Total 16			ACCIDENT TYPE # ACC % Pedestrian 1 6.3% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 6.3% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 8 50.0% Wet 4 25.0% Mud/Slush 0 0.0% Snow/Ice 2 12.5% Unspecified 2 12.5% Total 16			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 3 18.8% Property Damage 13 81.3% Non-Reportable 0 0.0% Total 16					
TIME OF YEAR # ACC % Winter (Dec-Feb) 3 18.8% Spring (Mar-May) 3 18.8% Summer (Jun-Aug) 4 25.0% Fall (Sep-Nov) 6 37.5% Total 16			TYPE OF VEHICLE # ACC % Passenger Cars 27 87.1% Commercial Vehicles 4 12.9% Total 31					
DAY OF WEEK # ACC % Sunday 1 6.3% Monday 6 37.5% Tuesday 4 25.0% Wednesday 1 6.3% Thursday 2 12.5% Friday 2 12.5% Saturday 0 0.0% Total 16			LIGHT CONDITION # ACC % Daylight 14 87.5% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 2 12.5% Total 16					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	1	0
Property Damage Accidents	4	4	5
Non-Reportable Accidents	0	0	0
Total Accidents	6	5	5

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Townsend St at NY 92 / E Genesee St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 3 27.3% 10 AM - 4 PM 6 54.5% 4 PM - 7 PM 1 9.1% 7 PM - 12 AM 1 9.1% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 11	DIRECTION # ACC % North 7 33.3% South 6 28.6% East 1 4.8% West 4 19.0% Total 21	DIRECTION # ACC % Northeast 0 0.0% Northwest 2 9.5% Southeast 1 4.8% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER # ACC % Clear 8 72.7% Cloudy 2 18.2% Rain 0 0.0% Snow 1 9.1% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 11	ACCIDENT TYPE # ACC % Rear End 1 9.1% Overtake 1 9.1% Right Angle 6 54.5% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 9.1% Head On 0 0.0% Sideswipe 0 0.0% Total 11	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 2 18.2% Unspecified 0 0.0%
SURFACE # ACC % Dry 10 90.9% Wet 1 9.1% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 11	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 4 36.4% Property Damage 7 63.6% Non-Reportable 0 0.0% Total 11	
TIME OF YEAR # ACC % Winter (Dec-Feb) 3 27.3% Spring (Mar-May) 2 18.2% Summer (Jun-Aug) 1 9.1% Fall (Sep-Nov) 5 45.5% Total 11	TYPE OF VEHICLE # ACC % Passenger Cars 20 95.2% Commercial Vehicles 1 4.8% Total 21	
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 1 9.1% Tuesday 3 27.3% Wednesday 2 18.2% Thursday 3 27.3% Friday 2 18.2% Saturday 0 0.0% Total 11	LIGHT CONDITION # ACC % Daylight 10 90.9% Dawn/Dusk 0 0.0% Night 1 9.1% Unspecified 0 0.0% Total 11	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	3
Property Damage Accidents	1	3	3
Non-Reportable Accidents	0	0	0
Total Accidents	1	4	6

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Townsend St at Harrison St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 3 25.0% 10 AM - 4 PM 5 41.7% 4 PM - 7 PM 1 8.3% 7 PM - 12 AM 2 16.7% 12 AM - 6 AM 1 8.3% Unspecified 0 0.0% Total 12	DIRECTION North 2 8.7% South 1 4.3% East 1 4.3% West 18 78.3% Total 23	DIRECTION Northeast 0 0.0% Northwest 1 4.3% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 9 75.0% Cloudy 3 25.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 12	ACCIDENT TYPE Rear End 1 8.3% Overtake 4 33.3% Right Angle 1 8.3% Left Turn 1 8.3% Right Turn 2 16.7% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 12	ACCIDENT TYPE Pedestrian 1 8.3% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 8.3% Unspecified 0 0.0%
SURFACE Dry 10 83.3% Wet 1 8.3% Mud/Slush 0 0.0% Snow/Ice 1 8.3% Unspecified 0 0.0% Total 12	ACCIDENT SEVERITY Fatal 0 0.0% Injury 2 16.7% Property Damage 10 83.3% Non-Reportable 0 0.0% Total 12	
TIME OF YEAR Winter (Dec-Feb) 4 33.3% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 5 41.7% Fall (Sep-Nov) 3 25.0% Total 12	TYPE OF VEHICLE Passenger Cars 23 100.0% Commercial Vehicles 0 0.0% Total 23	
DAY OF WEEK Sunday 0 0.0% Monday 2 16.7% Tuesday 3 25.0% Wednesday 2 16.7% Thursday 2 16.7% Friday 2 16.7% Saturday 1 8.3% Total 12	LIGHT CONDITION Daylight 10 83.3% Dawn/Dusk 0 0.0% Night 2 16.7% Unspecified 0 0.0% Total 12	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	2
Property Damage Accidents	4	2	4
Non-Reportable Accidents	0	0	0
Total Accidents	4	2	6

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *S Townsend St at E Adams St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 3 7.9% 10 AM - 4 PM 20 52.6% 4 PM - 7 PM 5 13.2% 7 PM - 12 AM 8 21.1% 12 AM - 6 AM 2 5.3% Unspecified 0 0.0% Total 38			DIRECTION # ACC % North 8 10.8% South 17 23.0% East 31 41.9% West 0 0.0% Total 74			DIRECTION # ACC % Northeast 1 1.4% Northwest 1 1.4% Southeast 12 16.2% Southwest 0 0.0% Unspecified 4 5.4%		
WEATHER # ACC % Clear 26 68.4% Cloudy 5 13.2% Rain 3 7.9% Snow 1 2.6% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 3 7.9% Total 38			ACCIDENT TYPE # ACC % Rear End 5 13.2% Overtake 15 39.5% Right Angle 4 10.5% Left Turn 7 18.4% Right Turn 0 0.0% Fixed Object 2 5.3% Head On 0 0.0% Sideswipe 1 2.6% Total 38			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 3 7.9% Unspecified 0 0.0%		
SURFACE # ACC % Dry 29 76.3% Wet 4 10.5% Mud/Slush 0 0.0% Snow/Ice 1 2.6% Unspecified 4 10.5% Total 38			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 4 10.5% Property Damage 34 89.5% Non-Reportable 0 0.0% Total 38					
TIME OF YEAR # ACC % Winter (Dec-Feb) 5 13.2% Spring (Mar-May) 10 26.3% Summer (Jun-Aug) 6 15.8% Fall (Sep-Nov) 17 44.7% Total 38			TYPE OF VEHICLE # ACC % Passenger Cars 70 94.6% Commercial Vehicles 4 5.4% Total 74					
DAY OF WEEK # ACC % Sunday 1 2.6% Monday 7 18.4% Tuesday 4 10.5% Wednesday 6 15.8% Thursday 5 13.2% Friday 6 15.8% Saturday 9 23.7% Total 38			LIGHT CONDITION # ACC % Daylight 25 65.8% Dawn/Dusk 1 2.6% Night 9 23.7% Unspecified 3 7.9% Total 38					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	2	1
Property Damage Accidents	6	13	15
Non-Reportable Accidents	0	0	0
Total Accidents	7	15	16

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N McBride St at EB I-690 Off-Ramp*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 1 100.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 1	DIRECTION North 0 0.0% South 0 0.0% East 0 0.0% West 0 0.0% Total 2	DIRECTION Northeast 2 100.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 1 100.0% Cloudy 0 0.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 1	ACCIDENT TYPE Rear End 1 100.0% Overtake 0 0.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 1	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 1 100.0% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 1	ACCIDENT SEVERITY Fatal 0 0.0% Injury 0 0.0% Property Damage 1 100.0% Non-Reportable 0 0.0% Total 1	
TIME OF YEAR Winter (Dec-Feb) 0 0.0% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 1 100.0% Fall (Sep-Nov) 0 0.0% Total 1	TYPE OF VEHICLE Passenger Cars 2 100.0% Commercial Vehicles 0 0.0% Total 2	
DAY OF WEEK Sunday 0 0.0% Monday 0 0.0% Tuesday 0 0.0% Wednesday 0 0.0% Thursday 1 100.0% Friday 0 0.0% Saturday 0 0.0% Total 1	LIGHT CONDITION Daylight 1 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 1	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	1	0	0
Non-Reportable Accidents	0	0	0
Total Accidents	1	0	0

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N McBride St at NY 5 / E Erie Blvd*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 1 6.7% 10 AM - 4 PM 5 33.3% 4 PM - 7 PM 2 13.3% 7 PM - 12 AM 4 26.7% 12 AM - 6 AM 3 20.0% Unspecified 0 0.0% Total 15	DIRECTION North 6 20.7% South 5 17.2% East 10 34.5% West 5 17.2% Total 29	DIRECTION Northeast 1 3.4% Northwest 1 3.4% Southeast 0 0.0% Southwest 1 3.4% Unspecified 0 0.0%
WEATHER Clear 5 33.3% Cloudy 6 40.0% Rain 2 13.3% Snow 2 13.3% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 15	ACCIDENT TYPE Rear End 1 6.7% Overtake 2 13.3% Right Angle 8 53.3% Left Turn 1 6.7% Right Turn 0 0.0% Fixed Object 1 6.7% Head On 0 0.0% Sideswipe 0 0.0% Total 15	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 1 6.7% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 9 60.0% Wet 3 20.0% Mud/Slush 0 0.0% Snow/Ice 3 20.0% Unspecified 0 0.0% Total 15	ACCIDENT SEVERITY Fatal 0 0.0% Injury 6 40.0% Property Damage 9 60.0% Non-Reportable 0 0.0% Total 15	
TIME OF YEAR Winter (Dec-Feb) 5 33.3% Spring (Mar-May) 4 26.7% Summer (Jun-Aug) 3 20.0% Fall (Sep-Nov) 3 20.0% Total 15	TYPE OF VEHICLE Passenger Cars 27 96.4% Commercial Vehicles 1 3.6% Total 28	
DAY OF WEEK Sunday 1 6.7% Monday 4 26.7% Tuesday 2 13.3% Wednesday 0 0.0% Thursday 1 6.7% Friday 5 33.3% Saturday 2 13.3% Total 15	LIGHT CONDITION Daylight 8 53.3% Dawn/Dusk 0 0.0% Night 7 46.7% Unspecified 0 0.0% Total 15	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	3	1	2
Property Damage Accidents	1	5	3
Non-Reportable Accidents	0	0	0
Total Accidents	4	6	5

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Catherine St at Burnet Av
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 2 15.4% 10 AM - 4 PM 6 46.2% 4 PM - 7 PM 2 15.4% 7 PM - 12 AM 3 23.1% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 13	DIRECTION # ACC % North 5 19.2% South 8 30.8% East 7 26.9% West 4 15.4% Total 26	DIRECTION # ACC % Northeast 0 0.0% Northwest 1 3.8% Southeast 1 3.8% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER # ACC % Clear 6 46.2% Cloudy 5 38.5% Rain 1 7.7% Snow 1 7.7% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 13	ACCIDENT TYPE # ACC % Rear End 2 15.4% Overtake 1 7.7% Right Angle 5 38.5% Left Turn 2 15.4% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 2 15.4% Total 13	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 1 7.7% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 10 76.9% Wet 2 15.4% Mud/Slush 0 0.0% Snow/Ice 1 7.7% Unspecified 0 0.0% Total 13	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 4 30.8% Property Damage 9 69.2% Non-Reportable 0 0.0% Total 13	
TIME OF YEAR # ACC % Winter (Dec-Feb) 3 23.1% Spring (Mar-May) 4 30.8% Summer (Jun-Aug) 1 7.7% Fall (Sep-Nov) 5 38.5% Total 13	TYPE OF VEHICLE # ACC % Passenger Cars 24 96.0% Commercial Vehicles 1 4.0% Total 25	
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 3 23.1% Tuesday 2 15.4% Wednesday 0 0.0% Thursday 5 38.5% Friday 3 23.1% Saturday 0 0.0% Total 13	LIGHT CONDITION # ACC % Daylight 11 84.6% Dawn/Dusk 0 0.0% Night 2 15.4% Unspecified 0 0.0% Total 13	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	2	2
Property Damage Accidents	2	4	3
Non-Reportable Accidents	0	0	0
Total Accidents	2	6	5

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Almond St / Catherine St at NY 5 / Erie Blvd E
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 1 8.3% 10 AM - 4 PM 7 58.3% 4 PM - 7 PM 3 25.0% 7 PM - 12 AM 1 8.3% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 12			DIRECTION # ACC % North 2 8.3% South 5 20.8% East 6 25.0% West 8 33.3% Total 24			DIRECTION # ACC % Northeast 1 4.2% Northwest 1 4.2% Southeast 1 4.2% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 7 58.3% Cloudy 4 33.3% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 8.3% Total 12			ACCIDENT TYPE # ACC % Rear End 2 16.7% Overtake 1 8.3% Right Angle 2 16.7% Left Turn 1 8.3% Right Turn 4 33.3% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 12			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 1 8.3% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 8.3% Unspecified 0 0.0%		
SURFACE # ACC % Dry 11 91.7% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 1 8.3% Total 12			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 5 41.7% Property Damage 7 58.3% Non-Reportable 0 0.0% Total 12					
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 16.7% Spring (Mar-May) 6 50.0% Summer (Jun-Aug) 4 33.3% Fall (Sep-Nov) 0 0.0% Total 12			TYPE OF VEHICLE # ACC % Passenger Cars 23 92.0% Commercial Vehicles 2 8.0% Total 25					
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 2 16.7% Tuesday 3 25.0% Wednesday 1 8.3% Thursday 1 8.3% Friday 3 25.0% Saturday 2 16.7% Total 12			LIGHT CONDITION # ACC % Daylight 10 83.3% Dawn/Dusk 0 0.0% Night 1 8.3% Unspecified 1 8.3% Total 12					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	2	2
Property Damage Accidents	1	3	3
Non-Reportable Accidents	0	0	0
Total Accidents	2	5	5

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Almond St at E Water St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 4 22.2% 10 AM - 4 PM 10 55.6% 4 PM - 7 PM 2 11.1% 7 PM - 12 AM 1 5.6% 12 AM - 6 AM 1 5.6% Unspecified 0 0.0% Total 18	DIRECTION # ACC % North 13 37.1% South 7 20.0% East 6 17.1% West 6 17.1% Total 35	DIRECTION # ACC % Northeast 1 2.9% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 2 5.7%
WEATHER # ACC % Clear 9 50.0% Cloudy 8 44.4% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 5.6% Total 18	ACCIDENT TYPE # ACC % Rear End 2 11.1% Overtake 0 0.0% Right Angle 11 61.1% Left Turn 0 0.0% Right Turn 1 5.6% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 18	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 4 22.2% Unspecified 0 0.0%
SURFACE # ACC % Dry 17 94.4% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 1 5.6% Total 18	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 4 22.2% Property Damage 14 77.8% Non-Reportable 0 0.0% Total 18	
TIME OF YEAR # ACC % Winter (Dec-Feb) 3 16.7% Spring (Mar-May) 5 27.8% Summer (Jun-Aug) 6 33.3% Fall (Sep-Nov) 4 22.2% Total 18	TYPE OF VEHICLE # ACC % Passenger Cars 34 97.1% Commercial Vehicles 1 2.9% Total 35	
DAY OF WEEK # ACC % Sunday 1 5.6% Monday 1 5.6% Tuesday 4 22.2% Wednesday 4 22.2% Thursday 6 33.3% Friday 0 0.0% Saturday 2 11.1% Total 18	LIGHT CONDITION # ACC % Daylight 17 94.4% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 1 5.6% Total 18	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	0	2
Property Damage Accidents	5	7	2
Non-Reportable Accidents	0	0	0
Total Accidents	7	7	4

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Almond St at E Washington St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 1 25.0% 4 PM - 7 PM 3 75.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 4	DIRECTION # ACC % North 2 25.0% South 1 12.5% East 2 25.0% West 1 12.5% Total 8	DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 2 25.0%
WEATHER # ACC % Clear 3 75.0% Cloudy 0 0.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 25.0% Total 4	ACCIDENT TYPE # ACC % Rear End 1 25.0% Overtake 1 25.0% Right Angle 1 25.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 4	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 25.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 3 75.0% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 1 25.0% Total 4	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 1 25.0% Property Damage 3 75.0% Non-Reportable 0 0.0% Total 4	
TIME OF YEAR # ACC % Winter (Dec-Feb) 0 0.0% Spring (Mar-May) 1 25.0% Summer (Jun-Aug) 2 50.0% Fall (Sep-Nov) 1 25.0% Total 4	TYPE OF VEHICLE # ACC % Passenger Cars 8 100.0% Commercial Vehicles 0 0.0% Total 8	
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 1 25.0% Tuesday 0 0.0% Wednesday 1 25.0% Thursday 1 25.0% Friday 1 25.0% Saturday 0 0.0% Total 4	LIGHT CONDITION # ACC % Daylight 3 75.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 1 25.0% Total 4	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	0	0	3
Non-Reportable Accidents	0	0	0
Total Accidents	0	1	3

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Almond St at E Fayette St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 2 22.2% 10 AM - 4 PM 2 22.2% 4 PM - 7 PM 2 22.2% 7 PM - 12 AM 2 22.2% 12 AM - 6 AM 1 11.1% Unspecified 0 0.0% Total 9	DIRECTION # ACC % North 6 33.3% South 3 16.7% East 3 16.7% West 5 27.8% Total 18	DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 1 5.6% Unspecified 0 0.0%
WEATHER # ACC % Clear 5 55.6% Cloudy 3 33.3% Rain 0 0.0% Snow 1 11.1% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 9	ACCIDENT TYPE # ACC % Rear End 2 22.2% Overtake 1 11.1% Right Angle 4 44.4% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 11.1% Head On 0 0.0% Sideswipe 1 11.1% Total 9	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 7 77.8% Wet 1 11.1% Mud/Slush 0 0.0% Snow/Ice 1 11.1% Unspecified 0 0.0% Total 9	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 3 33.3% Property Damage 6 66.7% Non-Reportable 0 0.0% Total 9	
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 22.2% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 4 44.4% Fall (Sep-Nov) 3 33.3% Total 9	TYPE OF VEHICLE # ACC % Passenger Cars 16 88.9% Commercial Vehicles 2 11.1% Total 18	
DAY OF WEEK # ACC % Sunday 1 11.1% Monday 2 22.2% Tuesday 2 22.2% Wednesday 2 22.2% Thursday 0 0.0% Friday 0 0.0% Saturday 2 22.2% Total 9	LIGHT CONDITION # ACC % Daylight 6 66.7% Dawn/Dusk 1 11.1% Night 2 22.2% Unspecified 0 0.0% Total 9	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	2
Property Damage Accidents	0	2	4
Non-Reportable Accidents	0	0	0
Total Accidents	0	3	6

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Almond St at NY 92 / E Genesee St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 2 28.6% 4 PM - 7 PM 3 42.9% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 2 28.6% Unspecified 0 0.0% Total 7			DIRECTION # ACC % North 3 25.0% South 0 0.0% East 2 16.7% West 7 58.3% Total 12			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 3 42.9% Cloudy 2 28.6% Rain 0 0.0% Snow 1 14.3% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 14.3% Total 7			ACCIDENT TYPE # ACC % Rear End 2 28.6% Overtake 1 14.3% Right Angle 1 14.3% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 2 28.6% Head On 0 0.0% Sideswipe 1 14.3% Total 7			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 5 71.4% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 1 14.3% Unspecified 1 14.3% Total 7			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 3 42.9% Property Damage 4 57.1% Non-Reportable 0 0.0% Total 7					
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 28.6% Spring (Mar-May) 2 28.6% Summer (Jun-Aug) 3 42.9% Fall (Sep-Nov) 0 0.0% Total 7			TYPE OF VEHICLE # ACC % Passenger Cars 11 91.7% Commercial Vehicles 1 8.3% Total 12					
DAY OF WEEK # ACC % Sunday 3 42.9% Monday 1 14.3% Tuesday 1 14.3% Wednesday 1 14.3% Thursday 0 0.0% Friday 1 14.3% Saturday 0 0.0% Total 7			LIGHT CONDITION # ACC % Daylight 5 71.4% Dawn/Dusk 0 0.0% Night 1 14.3% Unspecified 1 14.3% Total 7					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	2
Property Damage Accidents	1	2	1
Non-Reportable Accidents	0	0	0
Total Accidents	1	3	3

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Almond St at Southbound I-81 Off-Ramp*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 1 33.3% 10 AM - 4 PM 0 0.0% 4 PM - 7 PM 1 33.3% 7 PM - 12 AM 1 33.3% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 3	DIRECTION North 3 60.0% South 0 0.0% East 0 0.0% West 0 0.0% Total 5	DIRECTION Northeast 0 0.0% Northwest 2 40.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 2 66.7% Cloudy 0 0.0% Rain 1 33.3% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 3	ACCIDENT TYPE Rear End 1 33.3% Overtake 1 33.3% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 33.3% Head On 0 0.0% Sideswipe 0 0.0% Total 3	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 2 66.7% Wet 1 33.3% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 3	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 33.3% Property Damage 2 66.7% Non-Reportable 0 0.0% Total 3	
TIME OF YEAR Winter (Dec-Feb) 0 0.0% Spring (Mar-May) 1 33.3% Summer (Jun-Aug) 1 33.3% Fall (Sep-Nov) 1 33.3% Total 3	TYPE OF VEHICLE Passenger Cars 5 100.0% Commercial Vehicles 0 0.0% Total 5	
DAY OF WEEK Sunday 0 0.0% Monday 0 0.0% Tuesday 1 33.3% Wednesday 0 0.0% Thursday 2 66.7% Friday 0 0.0% Saturday 0 0.0% Total 3	LIGHT CONDITION Daylight 2 66.7% Dawn/Dusk 0 0.0% Night 1 33.3% Unspecified 0 0.0% Total 3	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	1
Property Damage Accidents	1	0	1
Non-Reportable Accidents	0	0	0
Total Accidents	1	0	2

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Harrison St at Southbound I-81 Off-Ramp
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 3 37.5% 10 AM - 4 PM 5 62.5% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 8	DIRECTION North 1 6.3% South 2 12.5% East 0 0.0% West 11 68.8% Total 16	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 2 12.5% Unspecified 0 0.0%
WEATHER Clear 6 75.0% Cloudy 2 25.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 8	ACCIDENT TYPE Rear End 3 37.5% Overtake 3 37.5% Right Angle 0 0.0% Left Turn 1 12.5% Right Turn 1 12.5% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 8	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 5 62.5% Wet 3 37.5% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 8	ACCIDENT SEVERITY Fatal 0 0.0% Injury 0 0.0% Property Damage 8 100.0% Non-Reportable 0 0.0% Total 8	
TIME OF YEAR Winter (Dec-Feb) 3 37.5% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 2 25.0% Fall (Sep-Nov) 3 37.5% Total 8	TYPE OF VEHICLE Passenger Cars 16 100.0% Commercial Vehicles 0 0.0% Total 16	
DAY OF WEEK Sunday 0 0.0% Monday 1 12.5% Tuesday 3 37.5% Wednesday 2 25.0% Thursday 0 0.0% Friday 2 25.0% Saturday 0 0.0% Total 8	LIGHT CONDITION Daylight 8 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 8	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	1	5	2
Non-Reportable Accidents	0	0	0
Total Accidents	1	5	2

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Almond St at Harrison St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 11 18.0% 10 AM - 4 PM 29 47.5% 4 PM - 7 PM 9 14.8% 7 PM - 12 AM 8 13.1% 12 AM - 6 AM 4 6.6% Unspecified 0 0.0% Total 61	DIRECTION # ACC % North 57 46.0% South 17 13.7% East 3 2.4% West 38 30.6% Total 124	DIRECTION # ACC % Northeast 1 0.8% Northwest 3 2.4% Southeast 0 0.0% Southwest 2 1.6% Unspecified 3 2.4%
WEATHER # ACC % Clear 26 42.6% Cloudy 18 29.5% Rain 7 11.5% Snow 7 11.5% Sleet/Hail/Freezing Rain 1 1.6% Fog/Smog/Smoke 0 0.0% Unspecified 2 3.3% Total 61	ACCIDENT TYPE # ACC % Rear End 27 44.3% Overtake 10 16.4% Right Angle 9 14.8% Left Turn 4 6.6% Right Turn 5 8.2% Fixed Object 1 1.6% Head On 0 0.0% Sideswipe 0 0.0% Total 61	ACCIDENT TYPE # ACC % Pedestrian 1 1.6% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 3 4.9% Unspecified 0 0.0%
SURFACE # ACC % Dry 33 54.1% Wet 20 32.8% Mud/Slush 0 0.0% Snow/Ice 6 9.8% Unspecified 2 3.3% Total 61	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 16 26.2% Property Damage 45 73.8% Non-Reportable 0 0.0% Total 61	
TIME OF YEAR # ACC % Winter (Dec-Feb) 21 34.4% Spring (Mar-May) 13 21.3% Summer (Jun-Aug) 9 14.8% Fall (Sep-Nov) 18 29.5% Total 61	TYPE OF VEHICLE # ACC % Passenger Cars 119 94.4% Commercial Vehicles 7 5.6% Total 126	
DAY OF WEEK # ACC % Sunday 3 4.9% Monday 7 11.5% Tuesday 10 16.4% Wednesday 12 19.7% Thursday 8 13.1% Friday 16 26.2% Saturday 5 8.2% Total 61	LIGHT CONDITION # ACC % Daylight 46 75.4% Dawn/Dusk 1 1.6% Night 12 19.7% Unspecified 2 3.3% Total 61	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	8	3	5
Property Damage Accidents	15	19	11
Non-Reportable Accidents	0	0	0
Total Accidents	23	22	16

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Almond St at E Adams St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 19 26.8% 10 AM - 4 PM 23 32.4% 4 PM - 7 PM 17 23.9% 7 PM - 12 AM 6 8.5% 12 AM - 6 AM 6 8.5% Unspecified 0 0.0% Total 71			DIRECTION # ACC % North 50 35.0% South 35 24.5% East 39 27.3% West 2 1.4% Total 143			DIRECTION # ACC % Northeast 3 2.1% Northwest 0 0.0% Southeast 5 3.5% Southwest 0 0.0% Unspecified 9 6.3%		
WEATHER # ACC % Clear 43 60.6% Cloudy 15 21.1% Rain 8 11.3% Snow 1 1.4% Sleet/Hail/Freezing Rain 1 1.4% Fog/Smog/Smoke 0 0.0% Unspecified 3 4.2% Total 71			ACCIDENT TYPE # ACC % Rear End 25 35.2% Overtake 15 21.1% Right Angle 11 15.5% Left Turn 6 8.5% Right Turn 4 5.6% Fixed Object 5 7.0% Head On 0 0.0% Sideswipe 0 0.0% Total 71			ACCIDENT TYPE # ACC % Pedestrian 2 2.8% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 3 4.2% Unspecified 0 0.0%		
SURFACE # ACC % Dry 50 70.4% Wet 15 21.1% Mud/Slush 0 0.0% Snow/Ice 3 4.2% Unspecified 3 4.2% Total 71			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 24 33.8% Property Damage 47 66.2% Non-Reportable 0 0.0% Total 71					
TIME OF YEAR # ACC % Winter (Dec-Feb) 17 23.9% Spring (Mar-May) 14 19.7% Summer (Jun-Aug) 19 26.8% Fall (Sep-Nov) 21 29.6% Total 71			TYPE OF VEHICLE # ACC % Passenger Cars 129 90.8% Commercial Vehicles 13 9.2% Total 142					
DAY OF WEEK # ACC % Sunday 4 5.6% Monday 9 12.7% Tuesday 10 14.1% Wednesday 18 25.4% Thursday 10 14.1% Friday 11 15.5% Saturday 9 12.7% Total 71			LIGHT CONDITION # ACC % Daylight 48 67.6% Dawn/Dusk 6 8.5% Night 14 19.7% Unspecified 3 4.2% Total 71					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	7	10	7
Property Damage Accidents	18	12	17
Non-Reportable Accidents	0	0	0
Total Accidents	25	22	24

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Almond St at Burt St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 1 100.0% 10 AM - 4 PM 0 0.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 1	DIRECTION North 0 0.0% South 0 0.0% East 2 100.0% West 0 0.0% Total 2	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 0 0.0% Cloudy 0 0.0% Rain 0 0.0% Snow 1 100.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 1	ACCIDENT TYPE Rear End 0 0.0% Overtake 1 100.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 1	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 0 0.0% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 1 100.0% Unspecified 0 0.0% Total 1	ACCIDENT SEVERITY Fatal 0 0.0% Injury 0 0.0% Property Damage 1 100.0% Non-Reportable 0 0.0% Total 1	
TIME OF YEAR Winter (Dec-Feb) 1 100.0% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 0 0.0% Total 1	TYPE OF VEHICLE Passenger Cars 2 100.0% Commercial Vehicles 0 0.0% Total 2	
DAY OF WEEK Sunday 0 0.0% Monday 0 0.0% Tuesday 0 0.0% Wednesday 0 0.0% Thursday 1 100.0% Friday 0 0.0% Saturday 0 0.0% Total 1	LIGHT CONDITION Daylight 1 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 1	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	1	0	0
Non-Reportable Accidents	0	0	0
Total Accidents	1	0	0

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Almond St at Van Buren St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 1 25.0% 10 AM - 4 PM 2 50.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 1 25.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 4			DIRECTION # ACC % North 6 100.0% South 0 0.0% East 0 0.0% West 0 0.0% Total 6			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 1 25.0% Cloudy 2 50.0% Rain 1 25.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 4			ACCIDENT TYPE # ACC % Rear End 0 0.0% Overtake 2 50.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 2 50.0% Head On 0 0.0% Sideswipe 0 0.0% Total 4			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 2 50.0% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 1 25.0% Unspecified 1 25.0% Total 4			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 0 0.0% Property Damage 4 100.0% Non-Reportable 0 0.0% Total 4					
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 50.0% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 1 25.0% Fall (Sep-Nov) 1 25.0% Total 4			TYPE OF VEHICLE # ACC % Passenger Cars 6 100.0% Commercial Vehicles 0 0.0% Total 6					
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 0 0.0% Tuesday 1 25.0% Wednesday 1 25.0% Thursday 1 25.0% Friday 1 25.0% Saturday 0 0.0% Total 4			LIGHT CONDITION # ACC % Daylight 3 75.0% Dawn/Dusk 0 0.0% Night 1 25.0% Unspecified 0 0.0% Total 4					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	1	3	0
Non-Reportable Accidents	0	0	0
Total Accidents	1	3	0

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Salina St at SB I-81 Exit 19 Off-ramp*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 1 100.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 1	DIRECTION # ACC % North 0 0.0% South 2 100.0% East 0 0.0% West 0 0.0% Total 2	DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER # ACC % Clear 1 100.0% Cloudy 0 0.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 1	ACCIDENT TYPE # ACC % Rear End 1 100.0% Overtake 0 0.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 1	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 1 100.0% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 1	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 0 0.0% Property Damage 1 100.0% Non-Reportable 0 0.0% Total 1	
TIME OF YEAR # ACC % Winter (Dec-Feb) 0 0.0% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 1 100.0% Total 1	TYPE OF VEHICLE # ACC % Passenger Cars 2 100.0% Commercial Vehicles 0 0.0% Total 2	
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 0 0.0% Tuesday 0 0.0% Wednesday 0 0.0% Thursday 0 0.0% Friday 1 100.0% Saturday 0 0.0% Total 1	LIGHT CONDITION # ACC % Daylight 1 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 1	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	0	0	1
Non-Reportable Accidents	0	0	0
Total Accidents	0	0	1

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N Crouse Av at Burnet Av*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 0 0.0% 4 PM - 7 PM 1 100.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 1	DIRECTION North 2 100.0% South 0 0.0% East 0 0.0% West 0 0.0% Total 2	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 0 0.0% Cloudy 0 0.0% Rain 0 0.0% Snow 1 100.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 1	ACCIDENT TYPE Rear End 1 100.0% Overtake 0 0.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 1	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 0 0.0% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 1 100.0% Unspecified 0 0.0% Total 1	ACCIDENT SEVERITY Fatal 0 0.0% Injury 0 0.0% Property Damage 1 100.0% Non-Reportable 0 0.0% Total 1	
TIME OF YEAR Winter (Dec-Feb) 0 0.0% Spring (Mar-May) 1 100.0% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 0 0.0% Total 1	TYPE OF VEHICLE Passenger Cars 2 100.0% Commercial Vehicles 0 0.0% Total 2	
DAY OF WEEK Sunday 0 0.0% Monday 0 0.0% Tuesday 0 0.0% Wednesday 0 0.0% Thursday 0 0.0% Friday 0 0.0% Saturday 1 100.0% Total 1	LIGHT CONDITION Daylight 1 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 1	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	0	0	1
Non-Reportable Accidents	0	0	0
Total Accidents	0	0	1

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Crouse Av at Erie Blvd E
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 1 25.0% 10 AM - 4 PM 2 50.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 1 25.0% Unspecified 0 0.0% Total 4			DIRECTION # ACC % North 1 12.5% South 1 12.5% East 3 37.5% West 3 37.5% Total 8			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 3 75.0% Cloudy 0 0.0% Rain 1 25.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 4			ACCIDENT TYPE # ACC % Rear End 2 50.0% Overtake 0 0.0% Right Angle 2 50.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 4			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 2 50.0% Wet 1 25.0% Mud/Slush 0 0.0% Snow/Ice 1 25.0% Unspecified 0 0.0% Total 4			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 2 50.0% Property Damage 2 50.0% Non-Reportable 0 0.0% Total 4					
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 50.0% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 1 25.0% Fall (Sep-Nov) 1 25.0% Total 4			TYPE OF VEHICLE # ACC % Passenger Cars 8 100.0% Commercial Vehicles 0 0.0% Total 8					
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 0 0.0% Tuesday 0 0.0% Wednesday 0 0.0% Thursday 2 50.0% Friday 1 25.0% Saturday 1 25.0% Total 4			LIGHT CONDITION # ACC % Daylight 2 50.0% Dawn/Dusk 0 0.0% Night 2 50.0% Unspecified 0 0.0% Total 4					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	2	0
Property Damage Accidents	1	1	0
Non-Reportable Accidents	0	0	0
Total Accidents	1	3	0

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Crouse Av at E Water St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 4 80.0% 4 PM - 7 PM 1 20.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 5			DIRECTION # ACC % North 3 30.0% South 2 20.0% East 3 30.0% West 2 20.0% Total 10			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 3 60.0% Cloudy 1 20.0% Rain 1 20.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 5			ACCIDENT TYPE # ACC % Rear End 0 0.0% Overtake 0 0.0% Right Angle 4 80.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 5			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 1 20.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 4 80.0% Wet 1 20.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 5			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 1 20.0% Property Damage 4 80.0% Non-Reportable 0 0.0% Total 5					
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 40.0% Spring (Mar-May) 2 40.0% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 1 20.0% Total 5			TYPE OF VEHICLE # ACC % Passenger Cars 9 100.0% Commercial Vehicles 0 0.0% Total 9					
DAY OF WEEK # ACC % Sunday 1 20.0% Monday 0 0.0% Tuesday 1 20.0% Wednesday 3 60.0% Thursday 0 0.0% Friday 0 0.0% Saturday 0 0.0% Total 5			LIGHT CONDITION # ACC % Daylight 5 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 5					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	2	1	1
Non-Reportable Accidents	0	0	0
Total Accidents	2	2	1

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Irving Av at E Fayette St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 1 100.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 1	DIRECTION # ACC % North 2 100.0% South 0 0.0% East 0 0.0% West 0 0.0% Total 2	DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER # ACC % Clear 0 0.0% Cloudy 1 100.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 1	ACCIDENT TYPE # ACC % Rear End 0 0.0% Overtake 1 100.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 1	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 1 100.0% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 1	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 0 0.0% Property Damage 1 100.0% Non-Reportable 0 0.0% Total 1	
TIME OF YEAR # ACC % Winter (Dec-Feb) 0 0.0% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 1 100.0% Fall (Sep-Nov) 0 0.0% Total 1	TYPE OF VEHICLE # ACC % Passenger Cars 2 100.0% Commercial Vehicles 0 0.0% Total 2	
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 0 0.0% Tuesday 0 0.0% Wednesday 0 0.0% Thursday 1 100.0% Friday 0 0.0% Saturday 0 0.0% Total 1	LIGHT CONDITION # ACC % Daylight 1 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 1	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	0	0	1
Non-Reportable Accidents	0	0	0
Total Accidents	0	0	1

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *S Crouse Av at E Fayette St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 1 20.0% 10 AM - 4 PM 2 40.0% 4 PM - 7 PM 1 20.0% 7 PM - 12 AM 1 20.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 5	DIRECTION # ACC % North 3 30.0% South 1 10.0% East 3 30.0% West 1 10.0% Total 10	DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 2 20.0%
WEATHER # ACC % Clear 2 40.0% Cloudy 1 20.0% Rain 1 20.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 20.0% Total 5	ACCIDENT TYPE # ACC % Rear End 1 20.0% Overtake 1 20.0% Right Angle 2 40.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 5	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 20.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 2 40.0% Wet 1 20.0% Mud/Slush 0 0.0% Snow/Ice 1 20.0% Unspecified 1 20.0% Total 5	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 0 0.0% Property Damage 5 100.0% Non-Reportable 0 0.0% Total 5	
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 40.0% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 1 20.0% Fall (Sep-Nov) 2 40.0% Total 5	TYPE OF VEHICLE # ACC % Passenger Cars 9 90.0% Commercial Vehicles 1 10.0% Total 10	
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 1 20.0% Tuesday 1 20.0% Wednesday 0 0.0% Thursday 1 20.0% Friday 0 0.0% Saturday 2 40.0% Total 5	LIGHT CONDITION # ACC % Daylight 3 60.0% Dawn/Dusk 0 0.0% Night 1 20.0% Unspecified 1 20.0% Total 5	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	1	3	1
Non-Reportable Accidents	0	0	0
Total Accidents	1	3	1

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Irving Av at NY 92 / E Genesee St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 6 33.3% 10 AM - 4 PM 9 50.0% 4 PM - 7 PM 3 16.7% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 18	DIRECTION North 3 9.1% South 10 30.3% East 8 24.2% West 9 27.3% Total 33	DIRECTION Northeast 1 3.0% Northwest 0 0.0% Southeast 1 3.0% Southwest 1 3.0% Unspecified 0 0.0%
WEATHER Clear 12 66.7% Cloudy 2 11.1% Rain 4 22.2% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 18	ACCIDENT TYPE Rear End 5 27.8% Overtake 3 16.7% Right Angle 0 0.0% Left Turn 2 11.1% Right Turn 1 5.6% Fixed Object 1 5.6% Head On 0 0.0% Sideswipe 1 5.6% Total 18	ACCIDENT TYPE Pedestrian 2 11.1% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 2 11.1% Unspecified 0 0.0%
SURFACE Dry 11 61.1% Wet 5 27.8% Mud/Slush 0 0.0% Snow/Ice 2 11.1% Unspecified 0 0.0% Total 18	ACCIDENT SEVERITY Fatal 0 0.0% Injury 5 27.8% Property Damage 13 72.2% Non-Reportable 0 0.0% Total 18	
TIME OF YEAR Winter (Dec-Feb) 4 22.2% Spring (Mar-May) 8 44.4% Summer (Jun-Aug) 4 22.2% Fall (Sep-Nov) 2 11.1% Total 18	TYPE OF VEHICLE Passenger Cars 32 94.1% Commercial Vehicles 2 5.9% Total 34	
DAY OF WEEK Sunday 1 5.6% Monday 5 27.8% Tuesday 2 11.1% Wednesday 5 27.8% Thursday 3 16.7% Friday 1 5.6% Saturday 1 5.6% Total 18	LIGHT CONDITION Daylight 16 88.9% Dawn/Dusk 0 0.0% Night 2 11.1% Unspecified 0 0.0% Total 18	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	3	1	1
Property Damage Accidents	3	5	5
Non-Reportable Accidents	0	0	0
Total Accidents	6	6	6

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *S Crouse Av at NY 92 / E Genesee St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 5 23.8% 10 AM - 4 PM 12 57.1% 4 PM - 7 PM 3 14.3% 7 PM - 12 AM 1 4.8% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 21	DIRECTION North 18 43.9% South 7 17.1% East 9 22.0% West 4 9.8% Total 41	DIRECTION Northeast 1 2.4% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 2 4.9%
WEATHER Clear 12 57.1% Cloudy 8 38.1% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 4.8% Total 21	ACCIDENT TYPE Rear End 8 38.1% Overtake 5 23.8% Right Angle 1 4.8% Left Turn 1 4.8% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 1 4.8% Total 21	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 1 4.8% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 4 19.0% Unspecified 0 0.0%
SURFACE Dry 17 81.0% Wet 3 14.3% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 1 4.8% Total 21	ACCIDENT SEVERITY Fatal 0 0.0% Injury 3 14.3% Property Damage 18 85.7% Non-Reportable 0 0.0% Total 21	
TIME OF YEAR Winter (Dec-Feb) 3 14.3% Spring (Mar-May) 8 38.1% Summer (Jun-Aug) 5 23.8% Fall (Sep-Nov) 5 23.8% Total 21	TYPE OF VEHICLE Passenger Cars 35 87.5% Commercial Vehicles 5 12.5% Total 40	
DAY OF WEEK Sunday 1 4.8% Monday 4 19.0% Tuesday 2 9.5% Wednesday 2 9.5% Thursday 5 23.8% Friday 5 23.8% Saturday 2 9.5% Total 21	LIGHT CONDITION Daylight 17 81.0% Dawn/Dusk 2 9.5% Night 1 4.8% Unspecified 1 4.8% Total 21	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	2	1
Property Damage Accidents	0	11	7
Non-Reportable Accidents	0	0	0
Total Accidents	0	13	8

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Sarah Loguen Dr at Harrison St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 1 12.5% 10 AM - 4 PM 3 37.5% 4 PM - 7 PM 2 25.0% 7 PM - 12 AM 1 12.5% 12 AM - 6 AM 1 12.5% Unspecified 0 0.0% Total 8	DIRECTION North 0 0.0% South 0 0.0% East 0 0.0% West 9 64.3% Total 14	DIRECTION Northeast 0 0.0% Northwest 2 14.3% Southeast 0 0.0% Southwest 1 7.1% Unspecified 2 14.3%
WEATHER Clear 3 37.5% Cloudy 1 12.5% Rain 1 12.5% Snow 1 12.5% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 2 25.0% Total 8	ACCIDENT TYPE Rear End 3 37.5% Overtake 1 12.5% Right Angle 0 0.0% Left Turn 1 12.5% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 8	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 12.5% Animal 0 0.0% Other 2 25.0% Unspecified 0 0.0%
SURFACE Dry 3 37.5% Wet 2 25.0% Mud/Slush 0 0.0% Snow/Ice 1 12.5% Unspecified 2 25.0% Total 8	ACCIDENT SEVERITY Fatal 0 0.0% Injury 0 0.0% Property Damage 8 100.0% Non-Reportable 0 0.0% Total 8	
TIME OF YEAR Winter (Dec-Feb) 6 75.0% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 2 25.0% Total 8	TYPE OF VEHICLE Passenger Cars 13 92.9% Commercial Vehicles 1 7.1% Total 14	
DAY OF WEEK Sunday 0 0.0% Monday 0 0.0% Tuesday 3 37.5% Wednesday 2 25.0% Thursday 1 12.5% Friday 1 12.5% Saturday 1 12.5% Total 8	LIGHT CONDITION Daylight 4 50.0% Dawn/Dusk 1 12.5% Night 1 12.5% Unspecified 2 25.0% Total 8	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	5	1	2
Non-Reportable Accidents	0	0	0
Total Accidents	5	1	2

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Elizabeth Blackwell Dr at Harrison St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 0 0.0% 4 PM - 7 PM 5 100.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 5			DIRECTION # ACC % North 5 50.0% South 1 10.0% East 0 0.0% West 3 30.0% Total 10			DIRECTION # ACC % Northeast 0 0.0% Northwest 1 10.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 2 40.0% Cloudy 2 40.0% Rain 1 20.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 5			ACCIDENT TYPE # ACC % Rear End 1 20.0% Overtake 2 40.0% Right Angle 1 20.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 5			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 20.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 3 60.0% Wet 2 40.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 5			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 0 0.0% Property Damage 5 100.0% Non-Reportable 0 0.0% Total 5					
TIME OF YEAR # ACC % Winter (Dec-Feb) 1 20.0% Spring (Mar-May) 1 20.0% Summer (Jun-Aug) 1 20.0% Fall (Sep-Nov) 2 40.0% Total 5			TYPE OF VEHICLE # ACC % Passenger Cars 8 80.0% Commercial Vehicles 2 20.0% Total 10					
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 1 20.0% Tuesday 1 20.0% Wednesday 1 20.0% Thursday 1 20.0% Friday 1 20.0% Saturday 0 0.0% Total 5			LIGHT CONDITION # ACC % Daylight 4 80.0% Dawn/Dusk 0 0.0% Night 1 20.0% Unspecified 0 0.0% Total 5					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	0	2	3
Non-Reportable Accidents	0	0	0
Total Accidents	0	2	3

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Irving Av at Harrison St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 4 22.2% 10 AM - 4 PM 5 27.8% 4 PM - 7 PM 5 27.8% 7 PM - 12 AM 2 11.1% 12 AM - 6 AM 2 11.1% Unspecified 0 0.0% Total 18	DIRECTION # ACC % North 10 30.3% South 3 9.1% East 2 6.1% West 7 21.2% Total 33	DIRECTION # ACC % Northeast 0 0.0% Northwest 2 6.1% Southeast 0 0.0% Southwest 0 0.0% Unspecified 9 27.3%
WEATHER # ACC % Clear 5 27.8% Cloudy 3 16.7% Rain 1 5.6% Snow 3 16.7% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 6 33.3% Total 18	ACCIDENT TYPE # ACC % Rear End 5 27.8% Overtake 7 38.9% Right Angle 3 16.7% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 2 11.1% Head On 0 0.0% Sideswipe 0 0.0% Total 18	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 5.6% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 8 44.4% Wet 1 5.6% Mud/Slush 0 0.0% Snow/Ice 4 22.2% Unspecified 5 27.8% Total 18	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 3 16.7% Property Damage 15 83.3% Non-Reportable 0 0.0% Total 18	
TIME OF YEAR # ACC % Winter (Dec-Feb) 7 38.9% Spring (Mar-May) 3 16.7% Summer (Jun-Aug) 3 16.7% Fall (Sep-Nov) 5 27.8% Total 18	TYPE OF VEHICLE # ACC % Passenger Cars 32 97.0% Commercial Vehicles 1 3.0% Total 33	
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 6 33.3% Tuesday 3 16.7% Wednesday 2 11.1% Thursday 4 22.2% Friday 2 11.1% Saturday 1 5.6% Total 18	LIGHT CONDITION # ACC % Daylight 9 50.0% Dawn/Dusk 0 0.0% Night 3 16.7% Unspecified 6 33.3% Total 18	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	1	0
Property Damage Accidents	4	8	3
Non-Reportable Accidents	0	0	0
Total Accidents	6	9	3

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Crouse Av at Harrison St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 2 25.0% 10 AM - 4 PM 4 50.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 1 12.5% 12 AM - 6 AM 1 12.5% Unspecified 0 0.0% Total 8	DIRECTION # ACC % North 5 35.7% South 3 21.4% East 0 0.0% West 5 35.7% Total 14	DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 1 7.1%
WEATHER # ACC % Clear 5 62.5% Cloudy 0 0.0% Rain 1 12.5% Snow 2 25.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 8	ACCIDENT TYPE # ACC % Rear End 3 37.5% Overtake 3 37.5% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 8	ACCIDENT TYPE # ACC % Pedestrian 1 12.5% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 12.5% Unspecified 0 0.0%
SURFACE # ACC % Dry 5 62.5% Wet 1 12.5% Mud/Slush 0 0.0% Snow/Ice 2 25.0% Unspecified 0 0.0% Total 8	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 1 12.5% Property Damage 7 87.5% Non-Reportable 0 0.0% Total 8	
TIME OF YEAR # ACC % Winter (Dec-Feb) 1 12.5% Spring (Mar-May) 3 37.5% Summer (Jun-Aug) 3 37.5% Fall (Sep-Nov) 1 12.5% Total 8	TYPE OF VEHICLE # ACC % Passenger Cars 13 92.9% Commercial Vehicles 1 7.1% Total 14	
DAY OF WEEK # ACC % Sunday 1 12.5% Monday 1 12.5% Tuesday 1 12.5% Wednesday 0 0.0% Thursday 3 37.5% Friday 2 25.0% Saturday 0 0.0% Total 8	LIGHT CONDITION # ACC % Daylight 6 75.0% Dawn/Dusk 0 0.0% Night 2 25.0% Unspecified 0 0.0% Total 8	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	0	3	4
Non-Reportable Accidents	0	0	0
Total Accidents	0	4	4

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Irving Av at E Adams St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 9 25.7% 10 AM - 4 PM 11 31.4% 4 PM - 7 PM 5 14.3% 7 PM - 12 AM 8 22.9% 12 AM - 6 AM 2 5.7% Unspecified 0 0.0% Total 35	DIRECTION # ACC % North 16 24.2% South 15 22.7% East 22 33.3% West 3 4.5% Total 66	DIRECTION # ACC % Northeast 1 1.5% Northwest 0 0.0% Southeast 3 4.5% Southwest 1 1.5% Unspecified 5 7.6%
WEATHER # ACC % Clear 16 45.7% Cloudy 16 45.7% Rain 1 2.9% Snow 1 2.9% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 2.9% Total 35	ACCIDENT TYPE # ACC % Rear End 10 28.6% Overtake 5 14.3% Right Angle 6 17.1% Left Turn 3 8.6% Right Turn 1 2.9% Fixed Object 1 2.9% Head On 0 0.0% Sideswipe 1 2.9% Total 35	ACCIDENT TYPE # ACC % Pedestrian 4 11.4% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 4 11.4% Unspecified 0 0.0%
SURFACE # ACC % Dry 28 80.0% Wet 4 11.4% Mud/Slush 0 0.0% Snow/Ice 2 5.7% Unspecified 1 2.9% Total 35	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 5 14.3% Property Damage 30 85.7% Non-Reportable 0 0.0% Total 35	
TIME OF YEAR # ACC % Winter (Dec-Feb) 12 34.3% Spring (Mar-May) 11 31.4% Summer (Jun-Aug) 4 11.4% Fall (Sep-Nov) 8 22.9% Total 35	TYPE OF VEHICLE # ACC % Passenger Cars 62 93.9% Commercial Vehicles 4 6.1% Total 66	
DAY OF WEEK # ACC % Sunday 4 11.4% Monday 2 5.7% Tuesday 6 17.1% Wednesday 6 17.1% Thursday 4 11.4% Friday 7 20.0% Saturday 6 17.1% Total 35	LIGHT CONDITION # ACC % Daylight 23 65.7% Dawn/Dusk 2 5.7% Night 9 25.7% Unspecified 1 2.9% Total 35	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	2	1	2
Property Damage Accidents	4	17	9
Non-Reportable Accidents	0	0	0
Total Accidents	6	18	11

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Crouse Av at E Adams St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 2 12.5% 10 AM - 4 PM 9 56.3% 4 PM - 7 PM 4 25.0% 7 PM - 12 AM 1 6.3% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 16	DIRECTION North 12 36.4% South 1 3.0% East 18 54.5% West 1 3.0% Total 33	DIRECTION Northeast 0 0.0% Northwest 1 3.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 3 18.8% Cloudy 10 62.5% Rain 1 6.3% Snow 2 12.5% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 16	ACCIDENT TYPE Rear End 5 31.3% Overtake 4 25.0% Right Angle 3 18.8% Left Turn 1 6.3% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 16	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 2 12.5% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 6.3% Unspecified 0 0.0%
SURFACE Dry 9 56.3% Wet 5 31.3% Mud/Slush 0 0.0% Snow/Ice 2 12.5% Unspecified 0 0.0% Total 16	ACCIDENT SEVERITY Fatal 0 0.0% Injury 4 25.0% Property Damage 12 75.0% Non-Reportable 0 0.0% Total 16	
TIME OF YEAR Winter (Dec-Feb) 6 37.5% Spring (Mar-May) 4 25.0% Summer (Jun-Aug) 4 25.0% Fall (Sep-Nov) 2 12.5% Total 16	TYPE OF VEHICLE Passenger Cars 30 96.8% Commercial Vehicles 1 3.2% Total 31	
DAY OF WEEK Sunday 0 0.0% Monday 3 18.8% Tuesday 2 12.5% Wednesday 2 12.5% Thursday 5 31.3% Friday 2 12.5% Saturday 2 12.5% Total 16	LIGHT CONDITION Daylight 13 81.3% Dawn/Dusk 1 6.3% Night 2 12.5% Unspecified 0 0.0% Total 16	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	3	0	1
Property Damage Accidents	3	6	3
Non-Reportable Accidents	0	0	0
Total Accidents	6	6	4

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Irving Av at Waverly Av
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 4 44.4% 4 PM - 7 PM 2 22.2% 7 PM - 12 AM 2 22.2% 12 AM - 6 AM 1 11.1% Unspecified 0 0.0% Total 9			DIRECTION # ACC % North 8 53.3% South 1 6.7% East 1 6.7% West 4 26.7% Total 15			DIRECTION # ACC % Northeast 1 6.7% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 7 77.8% Cloudy 1 11.1% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 11.1% Total 9			ACCIDENT TYPE # ACC % Rear End 2 22.2% Overtake 1 11.1% Right Angle 2 22.2% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 1 11.1% Total 9			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 11.1% Animal 0 0.0% Other 2 22.2% Unspecified 0 0.0%		
SURFACE # ACC % Dry 8 88.9% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 1 11.1% Total 9			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 0 0.0% Property Damage 9 100.0% Non-Reportable 0 0.0% Total 9					
TIME OF YEAR # ACC % Winter (Dec-Feb) 4 44.4% Spring (Mar-May) 4 44.4% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 1 11.1% Total 9			TYPE OF VEHICLE # ACC % Passenger Cars 13 86.7% Commercial Vehicles 2 13.3% Total 15					
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 1 11.1% Tuesday 1 11.1% Wednesday 5 55.6% Thursday 2 22.2% Friday 0 0.0% Saturday 0 0.0% Total 9			LIGHT CONDITION # ACC % Daylight 4 44.4% Dawn/Dusk 0 0.0% Night 4 44.4% Unspecified 1 11.1% Total 9					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	0	3	6
Non-Reportable Accidents	0	0	0
Total Accidents	0	3	6

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *S Crouse Av at Waverly Av*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 2 50.0% 4 PM - 7 PM 1 25.0% 7 PM - 12 AM 1 25.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 4	DIRECTION # ACC % North 2 25.0% South 0 0.0% East 5 62.5% West 0 0.0% Total 8	DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 1 12.5%
WEATHER # ACC % Clear 4 100.0% Cloudy 0 0.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 4	ACCIDENT TYPE # ACC % Rear End 2 50.0% Overtake 0 0.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 4	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 1 25.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 25.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 4 100.0% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 4	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 0 0.0% Property Damage 4 100.0% Non-Reportable 0 0.0% Total 4	
TIME OF YEAR # ACC % Winter (Dec-Feb) 0 0.0% Spring (Mar-May) 2 50.0% Summer (Jun-Aug) 1 25.0% Fall (Sep-Nov) 1 25.0% Total 4	TYPE OF VEHICLE # ACC % Passenger Cars 5 71.4% Commercial Vehicles 2 28.6% Total 7	
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 2 50.0% Tuesday 2 50.0% Wednesday 0 0.0% Thursday 0 0.0% Friday 0 0.0% Saturday 0 0.0% Total 4	LIGHT CONDITION # ACC % Daylight 3 75.0% Dawn/Dusk 1 25.0% Night 0 0.0% Unspecified 0 0.0% Total 4	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	0	0
Property Damage Accidents	2	0	2
Non-Reportable Accidents	0	0	0
Total Accidents	2	0	2

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Irving Av at University Pl
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 1 20.0% 10 AM - 4 PM 2 40.0% 4 PM - 7 PM 1 20.0% 7 PM - 12 AM 1 20.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 5	DIRECTION # ACC % North 3 33.3% South 2 22.2% East 1 11.1% West 2 22.2% Total 9	DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 1 11.1%
WEATHER # ACC % Clear 3 60.0% Cloudy 1 20.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 20.0% Total 5	ACCIDENT TYPE # ACC % Rear End 0 0.0% Overtake 2 40.0% Right Angle 1 20.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 20.0% Head On 0 0.0% Sideswipe 0 0.0% Total 5	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 20.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 3 60.0% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 1 20.0% Unspecified 1 20.0% Total 5	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 1 20.0% Property Damage 4 80.0% Non-Reportable 0 0.0% Total 5	
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 40.0% Spring (Mar-May) 1 20.0% Summer (Jun-Aug) 2 40.0% Fall (Sep-Nov) 0 0.0% Total 5	TYPE OF VEHICLE # ACC % Passenger Cars 6 66.7% Commercial Vehicles 3 33.3% Total 9	
DAY OF WEEK # ACC % Sunday 1 20.0% Monday 1 20.0% Tuesday 0 0.0% Wednesday 1 20.0% Thursday 1 20.0% Friday 1 20.0% Saturday 0 0.0% Total 5	LIGHT CONDITION # ACC % Daylight 3 60.0% Dawn/Dusk 0 0.0% Night 1 20.0% Unspecified 1 20.0% Total 5	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	2	0	2
Non-Reportable Accidents	0	0	0
Total Accidents	2	1	2

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Irving Av at Van Buren St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 4 100.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 4			DIRECTION # ACC % North 0 0.0% South 5 62.5% East 2 25.0% West 0 0.0% Total 8			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 1 12.5% Unspecified 0 0.0%		
WEATHER # ACC % Clear 3 75.0% Cloudy 1 25.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 4			ACCIDENT TYPE # ACC % Rear End 3 75.0% Overtake 0 0.0% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 4			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 25.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 3 75.0% Wet 1 25.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 4			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 1 25.0% Property Damage 3 75.0% Non-Reportable 0 0.0% Total 4					
TIME OF YEAR # ACC % Winter (Dec-Feb) 0 0.0% Spring (Mar-May) 3 75.0% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 1 25.0% Total 4			TYPE OF VEHICLE # ACC % Passenger Cars 8 100.0% Commercial Vehicles 0 0.0% Total 8					
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 0 0.0% Tuesday 1 25.0% Wednesday 0 0.0% Thursday 1 25.0% Friday 2 50.0% Saturday 0 0.0% Total 4			LIGHT CONDITION # ACC % Daylight 4 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 4					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	1	0	2
Non-Reportable Accidents	0	0	0
Total Accidents	1	1	2

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Southbound I-81 On-Ramp / Genant Dr at Bear St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 9 50.0% 4 PM - 7 PM 8 44.4% 7 PM - 12 AM 1 5.6% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 18	DIRECTION North 0 0.0% South 15 40.5% East 3 8.1% West 6 16.2% Total 37	DIRECTION Northeast 5 13.5% Northwest 0 0.0% Southeast 3 8.1% Southwest 3 8.1% Unspecified 2 5.4%
WEATHER Clear 7 38.9% Cloudy 9 50.0% Rain 0 0.0% Snow 1 5.6% Sleet/Hail/Freezing Rain 1 5.6% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 18	ACCIDENT TYPE Rear End 6 33.3% Overtake 4 22.2% Right Angle 3 16.7% Left Turn 3 16.7% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 1 5.6% Total 18	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 5.6% Unspecified 0 0.0%
SURFACE Dry 14 77.8% Wet 0 0.0% Mud/Slush 1 5.6% Snow/Ice 3 16.7% Unspecified 0 0.0% Total 18	ACCIDENT SEVERITY Fatal 0 0.0% Injury 8 44.4% Property Damage 10 55.6% Non-Reportable 0 0.0% Total 18	
TIME OF YEAR Winter (Dec-Feb) 4 22.2% Spring (Mar-May) 7 38.9% Summer (Jun-Aug) 5 27.8% Fall (Sep-Nov) 2 11.1% Total 18	TYPE OF VEHICLE Passenger Cars 36 97.3% Commercial Vehicles 1 2.7% Total 37	
DAY OF WEEK Sunday 1 5.6% Monday 4 22.2% Tuesday 5 27.8% Wednesday 1 5.6% Thursday 1 5.6% Friday 4 22.2% Saturday 2 11.1% Total 18	LIGHT CONDITION Daylight 13 72.2% Dawn/Dusk 0 0.0% Night 5 27.8% Unspecified 0 0.0% Total 18	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	4	3
Property Damage Accidents	2	3	5
Non-Reportable Accidents	0	0	0
Total Accidents	3	7	8

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Southbound I-81 On-Ramp / Genant Dr at Spencer St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 2 18.2% 10 AM - 4 PM 5 45.5% 4 PM - 7 PM 2 18.2% 7 PM - 12 AM 1 9.1% 12 AM - 6 AM 1 9.1% Unspecified 0 0.0% Total 11	DIRECTION North 0 0.0% South 5 23.8% East 2 9.5% West 6 28.6% Total 21	DIRECTION Northeast 1 4.8% Northwest 0 0.0% Southeast 2 9.5% Southwest 3 14.3% Unspecified 2 9.5%
WEATHER Clear 3 27.3% Cloudy 4 36.4% Rain 0 0.0% Snow 3 27.3% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 9.1% Total 11	ACCIDENT TYPE Rear End 4 36.4% Overtake 0 0.0% Right Angle 3 27.3% Left Turn 2 18.2% Right Turn 0 0.0% Fixed Object 1 9.1% Head On 0 0.0% Sideswipe 0 0.0% Total 11	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 9.1% Unspecified 0 0.0%
SURFACE Dry 5 45.5% Wet 1 9.1% Mud/Slush 0 0.0% Snow/Ice 4 36.4% Unspecified 1 9.1% Total 11	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 9.1% Property Damage 10 90.9% Non-Reportable 0 0.0% Total 11	
TIME OF YEAR Winter (Dec-Feb) 5 45.5% Spring (Mar-May) 2 18.2% Summer (Jun-Aug) 2 18.2% Fall (Sep-Nov) 2 18.2% Total 11	TYPE OF VEHICLE Passenger Cars 19 86.4% Commercial Vehicles 3 13.6% Total 22	
DAY OF WEEK Sunday 1 9.1% Monday 1 9.1% Tuesday 3 27.3% Wednesday 2 18.2% Thursday 0 0.0% Friday 3 27.3% Saturday 1 9.1% Total 11	LIGHT CONDITION Daylight 9 81.8% Dawn/Dusk 0 0.0% Night 1 9.1% Unspecified 1 9.1% Total 11	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	3	5	2
Non-Reportable Accidents	0	0	0
Total Accidents	3	6	2

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *Solar St at Hiawatha Blvd W*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 3 9.1% 10 AM - 4 PM 12 36.4% 4 PM - 7 PM 9 27.3% 7 PM - 12 AM 7 21.2% 12 AM - 6 AM 2 6.1% Unspecified 0 0.0% Total 33	DIRECTION # ACC % North 12 17.4% South 4 5.8% East 14 20.3% West 9 13.0% Total 69	DIRECTION # ACC % Northeast 10 14.5% Northwest 3 4.3% Southeast 2 2.9% Southwest 13 18.8% Unspecified 2 2.9%
WEATHER # ACC % Clear 18 54.5% Cloudy 10 30.3% Rain 2 6.1% Snow 1 3.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 2 6.1% Total 33	ACCIDENT TYPE # ACC % Rear End 9 27.3% Overtake 1 3.0% Right Angle 5 15.2% Left Turn 7 21.2% Right Turn 3 9.1% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 1 3.0% Total 33	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 1 3.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 6 18.2% Unspecified 0 0.0%
SURFACE # ACC % Dry 23 69.7% Wet 5 15.2% Mud/Slush 0 0.0% Snow/Ice 3 9.1% Unspecified 2 6.1% Total 33	ACCIDENT SEVERITY # ACC % Fatal 1 3.0% Injury 10 30.3% Property Damage 22 66.7% Non-Reportable 0 0.0% Total 33	
TIME OF YEAR # ACC % Winter (Dec-Feb) 9 27.3% Spring (Mar-May) 9 27.3% Summer (Jun-Aug) 7 21.2% Fall (Sep-Nov) 8 24.2% Total 33	TYPE OF VEHICLE # ACC % Passenger Cars 67 98.5% Commercial Vehicles 1 1.5% Total 68	
DAY OF WEEK # ACC % Sunday 7 21.2% Monday 1 3.0% Tuesday 7 21.2% Wednesday 6 18.2% Thursday 2 6.1% Friday 4 12.1% Saturday 6 18.2% Total 33	LIGHT CONDITION # ACC % Daylight 17 51.5% Dawn/Dusk 3 9.1% Night 11 33.3% Unspecified 2 6.1% Total 33	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	1	0	0
Injury Accidents	2	2	6
Property Damage Accidents	7	7	8
Non-Reportable Accidents	0	0	0
Total Accidents	10	9	14

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Spencer St at Hiawatha Blvd W
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 4 23.5% 10 AM - 4 PM 5 29.4% 4 PM - 7 PM 5 29.4% 7 PM - 12 AM 3 17.6% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 17	DIRECTION # ACC % North 6 20.0% South 2 6.7% East 9 30.0% West 8 26.7% Total 30	DIRECTION # ACC % Northeast 3 10.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 2 6.7% Unspecified 0 0.0%
WEATHER # ACC % Clear 8 47.1% Cloudy 8 47.1% Rain 0 0.0% Snow 1 5.9% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 17	ACCIDENT TYPE # ACC % Rear End 8 47.1% Overtake 3 17.6% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 2 11.8% Head On 0 0.0% Sideswipe 0 0.0% Total 17	ACCIDENT TYPE # ACC % Pedestrian 1 5.9% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 5.9% Unspecified 0 0.0%
SURFACE # ACC % Dry 12 70.6% Wet 3 17.6% Mud/Slush 1 5.9% Snow/Ice 1 5.9% Unspecified 0 0.0% Total 17	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 4 23.5% Property Damage 13 76.5% Non-Reportable 0 0.0% Total 17	
TIME OF YEAR # ACC % Winter (Dec-Feb) 3 17.6% Spring (Mar-May) 3 17.6% Summer (Jun-Aug) 4 23.5% Fall (Sep-Nov) 7 41.2% Total 17	TYPE OF VEHICLE # ACC % Passenger Cars 27 90.0% Commercial Vehicles 3 10.0% Total 30	
DAY OF WEEK # ACC % Sunday 1 5.9% Monday 2 11.8% Tuesday 4 23.5% Wednesday 2 11.8% Thursday 2 11.8% Friday 4 23.5% Saturday 2 11.8% Total 17	LIGHT CONDITION # ACC % Daylight 14 82.4% Dawn/Dusk 0 0.0% Night 3 17.6% Unspecified 0 0.0% Total 17	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	0	3
Property Damage Accidents	6	3	4
Non-Reportable Accidents	0	0	0
Total Accidents	7	3	7

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *I-690 East Off-Ramp at Hiawatha Blvd W*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 4 36.4% 10 AM - 4 PM 3 27.3% 4 PM - 7 PM 2 18.2% 7 PM - 12 AM 1 9.1% 12 AM - 6 AM 1 9.1% Unspecified 0 0.0% Total 11	DIRECTION North 2 10.0% South 0 0.0% East 7 35.0% West 7 35.0% Total 20	DIRECTION Northeast 1 5.0% Northwest 0 0.0% Southeast 2 10.0% Southwest 0 0.0% Unspecified 1 5.0%
WEATHER Clear 5 45.5% Cloudy 3 27.3% Rain 0 0.0% Snow 2 18.2% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 9.1% Total 11	ACCIDENT TYPE Rear End 6 54.5% Overtake 1 9.1% Right Angle 0 0.0% Left Turn 1 9.1% Right Turn 0 0.0% Fixed Object 2 18.2% Head On 0 0.0% Sideswipe 0 0.0% Total 11	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 6 54.5% Wet 3 27.3% Mud/Slush 0 0.0% Snow/Ice 1 9.1% Unspecified 1 9.1% Total 11	ACCIDENT SEVERITY Fatal 0 0.0% Injury 4 36.4% Property Damage 7 63.6% Non-Reportable 0 0.0% Total 11	
TIME OF YEAR Winter (Dec-Feb) 6 54.5% Spring (Mar-May) 1 9.1% Summer (Jun-Aug) 2 18.2% Fall (Sep-Nov) 2 18.2% Total 11	TYPE OF VEHICLE Passenger Cars 15 75.0% Commercial Vehicles 5 25.0% Total 20	
DAY OF WEEK Sunday 0 0.0% Monday 2 18.2% Tuesday 3 27.3% Wednesday 3 27.3% Thursday 1 9.1% Friday 1 9.1% Saturday 1 9.1% Total 11	LIGHT CONDITION Daylight 8 72.7% Dawn/Dusk 0 0.0% Night 2 18.2% Unspecified 1 9.1% Total 11	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	3	1
Property Damage Accidents	0	3	4
Non-Reportable Accidents	0	0	0
Total Accidents	0	6	5

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** Spencer St at Bear St / I-690 Ramps
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 2 33.3% 10 AM - 4 PM 1 16.7% 4 PM - 7 PM 2 33.3% 7 PM - 12 AM 1 16.7% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 6	DIRECTION North 1 8.3% South 5 41.7% East 0 0.0% West 3 25.0% Total 12	DIRECTION Northeast 0 0.0% Northwest 1 8.3% Southeast 0 0.0% Southwest 2 16.7% Unspecified 0 0.0%
WEATHER Clear 3 50.0% Cloudy 2 33.3% Rain 1 16.7% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 6	ACCIDENT TYPE Rear End 2 33.3% Overtake 0 0.0% Right Angle 1 16.7% Left Turn 1 16.7% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 6	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 16.7% Unspecified 0 0.0%
SURFACE Dry 4 66.7% Wet 2 33.3% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 6	ACCIDENT SEVERITY Fatal 0 0.0% Injury 2 33.3% Property Damage 4 66.7% Non-Reportable 0 0.0% Total 6	
TIME OF YEAR Winter (Dec-Feb) 2 33.3% Spring (Mar-May) 2 33.3% Summer (Jun-Aug) 2 33.3% Fall (Sep-Nov) 0 0.0% Total 6	TYPE OF VEHICLE Passenger Cars 9 75.0% Commercial Vehicles 3 25.0% Total 12	
DAY OF WEEK Sunday 0 0.0% Monday 0 0.0% Tuesday 0 0.0% Wednesday 1 16.7% Thursday 3 50.0% Friday 2 33.3% Saturday 0 0.0% Total 6	LIGHT CONDITION Daylight 5 83.3% Dawn/Dusk 0 0.0% Night 1 16.7% Unspecified 0 0.0% Total 6	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	1
Property Damage Accidents	2	1	1
Non-Reportable Accidents	0	0	0
Total Accidents	2	2	2

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N Geddes St at Westbound I-690 Off-Ramp*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 1 11.1% 10 AM - 4 PM 6 66.7% 4 PM - 7 PM 2 22.2% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 9			DIRECTION # ACC % North 8 47.1% South 3 17.6% East 1 5.9% West 5 29.4% Total 17			DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%		
WEATHER # ACC % Clear 3 33.3% Cloudy 5 55.6% Rain 0 0.0% Snow 1 11.1% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 9			ACCIDENT TYPE # ACC % Rear End 3 33.3% Overtake 0 0.0% Right Angle 2 22.2% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 11.1% Head On 0 0.0% Sideswipe 0 0.0% Total 9			ACCIDENT TYPE # ACC % Pedestrian 1 11.1% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 11.1% Unspecified 0 0.0%		
SURFACE # ACC % Dry 6 66.7% Wet 3 33.3% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 9			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 3 33.3% Property Damage 6 66.7% Non-Reportable 0 0.0% Total 9					
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 22.2% Spring (Mar-May) 1 11.1% Summer (Jun-Aug) 6 66.7% Fall (Sep-Nov) 0 0.0% Total 9			TYPE OF VEHICLE # ACC % Passenger Cars 14 77.8% Commercial Vehicles 4 22.2% Total 18					
DAY OF WEEK # ACC % Sunday 0 0.0% Monday 3 33.3% Tuesday 0 0.0% Wednesday 0 0.0% Thursday 2 22.2% Friday 4 44.4% Saturday 0 0.0% Total 9			LIGHT CONDITION # ACC % Daylight 9 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 9					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	0	2
Property Damage Accidents	1	1	4
Non-Reportable Accidents	0	0	0
Total Accidents	2	1	6

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N Geddes St at Edison St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 1 11.1% 10 AM - 4 PM 5 55.6% 4 PM - 7 PM 1 11.1% 7 PM - 12 AM 2 22.2% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 9	DIRECTION North 10 58.8% South 2 11.8% East 3 17.6% West 0 0.0% Total 17	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 2 11.8%
WEATHER Clear 5 55.6% Cloudy 1 11.1% Rain 2 22.2% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 11.1% Total 9	ACCIDENT TYPE Rear End 5 55.6% Overtake 1 11.1% Right Angle 0 0.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 11.1% Head On 0 0.0% Sideswipe 0 0.0% Total 9	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 2 22.2% Unspecified 0 0.0%
SURFACE Dry 6 66.7% Wet 1 11.1% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 2 22.2% Total 9	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 11.1% Property Damage 8 88.9% Non-Reportable 0 0.0% Total 9	
TIME OF YEAR Winter (Dec-Feb) 3 33.3% Spring (Mar-May) 2 22.2% Summer (Jun-Aug) 1 11.1% Fall (Sep-Nov) 3 33.3% Total 9	TYPE OF VEHICLE Passenger Cars 14 82.4% Commercial Vehicles 3 17.6% Total 17	
DAY OF WEEK Sunday 2 22.2% Monday 2 22.2% Tuesday 0 0.0% Wednesday 1 11.1% Thursday 2 22.2% Friday 2 22.2% Saturday 0 0.0% Total 9	LIGHT CONDITION Daylight 6 66.7% Dawn/Dusk 0 0.0% Night 2 22.2% Unspecified 1 11.1% Total 9	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	4	2	2
Non-Reportable Accidents	0	0	0
Total Accidents	4	3	2

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N Geddes St at NY 5 / W Genesee St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 8 14.0% 10 AM - 4 PM 28 49.1% 4 PM - 7 PM 13 22.8% 7 PM - 12 AM 3 5.3% 12 AM - 6 AM 5 8.8% Unspecified 0 0.0% Total 57			DIRECTION # ACC % North 41 38.0% South 20 18.5% East 25 23.1% West 13 12.0% Total 108			DIRECTION # ACC % Northeast 0 0.0% Northwest 1 0.9% Southeast 1 0.9% Southwest 2 1.9% Unspecified 5 4.6%		
WEATHER # ACC % Clear 30 52.6% Cloudy 14 24.6% Rain 7 12.3% Snow 1 1.8% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 5 8.8% Total 57			ACCIDENT TYPE # ACC % Rear End 19 33.3% Overtake 7 12.3% Right Angle 14 24.6% Left Turn 9 15.8% Right Turn 0 0.0% Fixed Object 2 3.5% Head On 0 0.0% Sideswipe 1 1.8% Total 57			ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 1 1.8% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 4 7.0% Unspecified 0 0.0%		
SURFACE # ACC % Dry 38 66.7% Wet 11 19.3% Mud/Slush 1 1.8% Snow/Ice 2 3.5% Unspecified 5 8.8% Total 57			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 15 26.3% Property Damage 42 73.7% Non-Reportable 0 0.0% Total 57					
TIME OF YEAR # ACC % Winter (Dec-Feb) 13 22.8% Spring (Mar-May) 10 17.5% Summer (Jun-Aug) 13 22.8% Fall (Sep-Nov) 21 36.8% Total 57			TYPE OF VEHICLE # ACC % Passenger Cars 100 91.7% Commercial Vehicles 9 8.3% Total 109					
DAY OF WEEK # ACC % Sunday 9 15.8% Monday 9 15.8% Tuesday 6 10.5% Wednesday 10 17.5% Thursday 11 19.3% Friday 6 10.5% Saturday 6 10.5% Total 57			LIGHT CONDITION # ACC % Daylight 40 70.2% Dawn/Dusk 1 1.8% Night 11 19.3% Unspecified 5 8.8% Total 57					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	5	5	5
Property Damage Accidents	14	16	12
Non-Reportable Accidents	0	0	0
Total Accidents	19	21	17

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N Geddes St at Wilkinson St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY # ACC % 6 AM - 10 AM 1 9.1% 10 AM - 4 PM 5 45.5% 4 PM - 7 PM 3 27.3% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 2 18.2% Unspecified 0 0.0% Total 11	DIRECTION # ACC % North 11 45.8% South 6 25.0% East 0 0.0% West 7 29.2% Total 24	DIRECTION # ACC % Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER # ACC % Clear 6 54.5% Cloudy 5 45.5% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 11	ACCIDENT TYPE # ACC % Rear End 5 45.5% Overtake 2 18.2% Right Angle 4 36.4% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 11	ACCIDENT TYPE # ACC % Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 8 72.7% Wet 1 9.1% Mud/Slush 0 0.0% Snow/Ice 2 18.2% Unspecified 0 0.0% Total 11	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 1 9.1% Property Damage 10 90.9% Non-Reportable 0 0.0% Total 11	
TIME OF YEAR # ACC % Winter (Dec-Feb) 2 18.2% Spring (Mar-May) 6 54.5% Summer (Jun-Aug) 3 27.3% Fall (Sep-Nov) 0 0.0% Total 11	TYPE OF VEHICLE # ACC % Passenger Cars 22 91.7% Commercial Vehicles 2 8.3% Total 24	
DAY OF WEEK # ACC % Sunday 2 18.2% Monday 2 18.2% Tuesday 1 9.1% Wednesday 1 9.1% Thursday 1 9.1% Friday 4 36.4% Saturday 0 0.0% Total 11	LIGHT CONDITION # ACC % Daylight 9 81.8% Dawn/Dusk 0 0.0% Night 2 18.2% Unspecified 0 0.0% Total 11	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	1	0
Property Damage Accidents	1	7	2
Non-Reportable Accidents	0	0	0
Total Accidents	1	8	2

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *N Geddes St at Erie Blvd W*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 6 23.1% 10 AM - 4 PM 10 38.5% 4 PM - 7 PM 3 11.5% 7 PM - 12 AM 2 7.7% 12 AM - 6 AM 5 19.2% Unspecified 0 0.0% Total 26	DIRECTION North 20 43.5% South 2 4.3% East 7 15.2% West 7 15.2% Total 46	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 1 2.2% Unspecified 9 19.6%
WEATHER Clear 11 42.3% Cloudy 3 11.5% Rain 4 15.4% Snow 1 3.8% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 7 26.9% Total 26	ACCIDENT TYPE Rear End 9 34.6% Overtake 4 15.4% Right Angle 3 11.5% Left Turn 2 7.7% Right Turn 0 0.0% Fixed Object 2 7.7% Head On 0 0.0% Sideswipe 1 3.8% Total 26	ACCIDENT TYPE Pedestrian 1 3.8% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 4 15.4% Unspecified 0 0.0%
SURFACE Dry 13 50.0% Wet 4 15.4% Mud/Slush 0 0.0% Snow/Ice 2 7.7% Unspecified 7 26.9% Total 26	ACCIDENT SEVERITY Fatal 0 0.0% Injury 3 11.5% Property Damage 23 88.5% Non-Reportable 0 0.0% Total 26	
TIME OF YEAR Winter (Dec-Feb) 10 38.5% Spring (Mar-May) 6 23.1% Summer (Jun-Aug) 7 26.9% Fall (Sep-Nov) 3 11.5% Total 26	TYPE OF VEHICLE Passenger Cars 44 93.6% Commercial Vehicles 3 6.4% Total 47	
DAY OF WEEK Sunday 2 7.7% Monday 2 7.7% Tuesday 1 3.8% Wednesday 5 19.2% Thursday 10 38.5% Friday 5 19.2% Saturday 1 3.8% Total 26	LIGHT CONDITION Daylight 15 57.7% Dawn/Dusk 0 0.0% Night 4 15.4% Unspecified 7 26.9% Total 26	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	2	0
Property Damage Accidents	6	8	9
Non-Reportable Accidents	0	0	0
Total Accidents	7	10	9

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Geddes St at W Fayette St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 9 15.5% 10 AM - 4 PM 19 32.8% 4 PM - 7 PM 14 24.1% 7 PM - 12 AM 8 13.8% 12 AM - 6 AM 8 13.8% Unspecified 0 0.0% Total 58			DIRECTION # ACC % North 31 27.9% South 33 29.7% East 7 6.3% West 25 22.5% Total 111			DIRECTION # ACC % Northeast 0 0.0% Northwest 2 1.8% Southeast 1 0.9% Southwest 2 1.8% Unspecified 10 9.0%		
WEATHER # ACC % Clear 22 37.9% Cloudy 10 17.2% Rain 11 19.0% Snow 9 15.5% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 6 10.3% Total 58			ACCIDENT TYPE # ACC % Rear End 24 41.4% Overtake 6 10.3% Right Angle 12 20.7% Left Turn 4 6.9% Right Turn 4 6.9% Fixed Object 1 1.7% Head On 0 0.0% Sideswipe 1 1.7% Total 58			ACCIDENT TYPE # ACC % Pedestrian 2 3.4% Bicycle 1 1.7% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 1 1.7% Other 2 3.4% Unspecified 0 0.0%		
SURFACE # ACC % Dry 25 43.1% Wet 18 31.0% Mud/Slush 0 0.0% Snow/Ice 9 15.5% Unspecified 6 10.3% Total 58			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 15 25.9% Property Damage 43 74.1% Non-Reportable 0 0.0% Total 58					
TIME OF YEAR # ACC % Winter (Dec-Feb) 13 22.4% Spring (Mar-May) 24 41.4% Summer (Jun-Aug) 7 12.1% Fall (Sep-Nov) 14 24.1% Total 58			TYPE OF VEHICLE # ACC % Passenger Cars 101 91.0% Commercial Vehicles 10 9.0% Total 111					
DAY OF WEEK # ACC % Sunday 3 5.2% Monday 6 10.3% Tuesday 13 22.4% Wednesday 13 22.4% Thursday 8 13.8% Friday 10 17.2% Saturday 5 8.6% Total 58			LIGHT CONDITION # ACC % Daylight 34 58.6% Dawn/Dusk 3 5.2% Night 15 25.9% Unspecified 6 10.3% Total 58					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	4	5	6
Property Damage Accidents	12	17	14
Non-Reportable Accidents	0	0	0
Total Accidents	16	22	20

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Geddes St at Marcellus St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 6 22.2% 10 AM - 4 PM 12 44.4% 4 PM - 7 PM 6 22.2% 7 PM - 12 AM 2 7.4% 12 AM - 6 AM 1 3.7% Unspecified 0 0.0% Total 27			DIRECTION # ACC % North 17 33.3% South 19 37.3% East 4 7.8% West 4 7.8% Total 51			DIRECTION # ACC % Northeast 1 2.0% Northwest 0 0.0% Southeast 2 3.9% Southwest 1 2.0% Unspecified 3 5.9%		
WEATHER # ACC % Clear 8 29.6% Cloudy 10 37.0% Rain 5 18.5% Snow 2 7.4% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 2 7.4% Total 27			ACCIDENT TYPE # ACC % Rear End 5 18.5% Overtake 5 18.5% Right Angle 7 25.9% Left Turn 2 7.4% Right Turn 1 3.7% Fixed Object 1 3.7% Head On 0 0.0% Sideswipe 0 0.0% Total 27			ACCIDENT TYPE # ACC % Pedestrian 3 11.1% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 1 3.7% Other 2 7.4% Unspecified 0 0.0%		
SURFACE # ACC % Dry 12 44.4% Wet 10 37.0% Mud/Slush 1 3.7% Snow/Ice 1 3.7% Unspecified 3 11.1% Total 27			ACCIDENT SEVERITY # ACC % Fatal 1 3.7% Injury 7 25.9% Property Damage 19 70.4% Non-Reportable 0 0.0% Total 27					
TIME OF YEAR # ACC % Winter (Dec-Feb) 7 25.9% Spring (Mar-May) 6 22.2% Summer (Jun-Aug) 8 29.6% Fall (Sep-Nov) 6 22.2% Total 27			TYPE OF VEHICLE # ACC % Passenger Cars 44 86.3% Commercial Vehicles 7 13.7% Total 51					
DAY OF WEEK # ACC % Sunday 1 3.7% Monday 7 25.9% Tuesday 7 25.9% Wednesday 6 22.2% Thursday 3 11.1% Friday 1 3.7% Saturday 2 7.4% Total 27			LIGHT CONDITION # ACC % Daylight 22 81.5% Dawn/Dusk 0 0.0% Night 3 11.1% Unspecified 2 7.4% Total 27					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	1
Injury Accidents	3	2	2
Property Damage Accidents	6	5	8
Non-Reportable Accidents	0	0	0
Total Accidents	9	7	11

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Geddes St at Otisco St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 2 14.3% 10 AM - 4 PM 8 57.1% 4 PM - 7 PM 1 7.1% 7 PM - 12 AM 2 14.3% 12 AM - 6 AM 1 7.1% Unspecified 0 0.0% Total 14	DIRECTION # ACC % North 16 66.7% South 6 25.0% East 0 0.0% West 1 4.2% Total 24	DIRECTION # ACC % Northeast 1 4.2% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER # ACC % Clear 9 64.3% Cloudy 3 21.4% Rain 1 7.1% Snow 1 7.1% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 14	ACCIDENT TYPE # ACC % Rear End 4 28.6% Overtake 2 14.3% Right Angle 1 7.1% Left Turn 1 7.1% Right Turn 0 0.0% Fixed Object 2 14.3% Head On 0 0.0% Sideswipe 0 0.0% Total 14	ACCIDENT TYPE # ACC % Pedestrian 2 14.3% Bicycle 2 14.3% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE # ACC % Dry 9 64.3% Wet 3 21.4% Mud/Slush 0 0.0% Snow/Ice 2 14.3% Unspecified 0 0.0% Total 14	ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 6 42.9% Property Damage 8 57.1% Non-Reportable 0 0.0% Total 14	
TIME OF YEAR # ACC % Winter (Dec-Feb) 5 35.7% Spring (Mar-May) 2 14.3% Summer (Jun-Aug) 4 28.6% Fall (Sep-Nov) 3 21.4% Total 14	TYPE OF VEHICLE # ACC % Passenger Cars 21 95.5% Commercial Vehicles 1 4.5% Total 22	
DAY OF WEEK # ACC % Sunday 2 14.3% Monday 2 14.3% Tuesday 4 28.6% Wednesday 1 7.1% Thursday 2 14.3% Friday 1 7.1% Saturday 2 14.3% Total 14	LIGHT CONDITION # ACC % Daylight 9 64.3% Dawn/Dusk 1 7.1% Night 4 28.6% Unspecified 0 0.0% Total 14	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	5	1
Property Damage Accidents	2	4	2
Non-Reportable Accidents	0	0	0
Total Accidents	2	9	3

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Geddes St at Gifford St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY # ACC % 6 AM - 10 AM 4 18.2% 10 AM - 4 PM 9 40.9% 4 PM - 7 PM 4 18.2% 7 PM - 12 AM 2 9.1% 12 AM - 6 AM 3 13.6% Unspecified 0 0.0% Total 22			DIRECTION # ACC % North 11 25.6% South 18 41.9% East 1 2.3% West 8 18.6% Total 43			DIRECTION # ACC % Northeast 1 2.3% Northwest 0 0.0% Southeast 0 0.0% Southwest 2 4.7% Unspecified 2 4.7%		
WEATHER # ACC % Clear 11 50.0% Cloudy 3 13.6% Rain 5 22.7% Snow 2 9.1% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 4.5% Total 22			ACCIDENT TYPE # ACC % Rear End 10 45.5% Overtake 6 27.3% Right Angle 1 4.5% Left Turn 0 0.0% Right Turn 1 4.5% Fixed Object 1 4.5% Head On 0 0.0% Sideswipe 0 0.0% Total 22			ACCIDENT TYPE # ACC % Pedestrian 1 4.5% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 2 9.1% Unspecified 0 0.0%		
SURFACE # ACC % Dry 12 54.5% Wet 7 31.8% Mud/Slush 0 0.0% Snow/Ice 2 9.1% Unspecified 1 4.5% Total 22			ACCIDENT SEVERITY # ACC % Fatal 0 0.0% Injury 5 22.7% Property Damage 17 77.3% Non-Reportable 0 0.0% Total 22					
TIME OF YEAR # ACC % Winter (Dec-Feb) 5 22.7% Spring (Mar-May) 7 31.8% Summer (Jun-Aug) 3 13.6% Fall (Sep-Nov) 7 31.8% Total 22			TYPE OF VEHICLE # ACC % Passenger Cars 38 88.4% Commercial Vehicles 5 11.6% Total 43					
DAY OF WEEK # ACC % Sunday 5 22.7% Monday 2 9.1% Tuesday 5 22.7% Wednesday 1 4.5% Thursday 1 4.5% Friday 5 22.7% Saturday 3 13.6% Total 22			LIGHT CONDITION # ACC % Daylight 14 63.6% Dawn/Dusk 0 0.0% Night 7 31.8% Unspecified 1 4.5% Total 22					

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	3	1	1
Property Damage Accidents	3	8	6
Non-Reportable Accidents	0	0	0
Total Accidents	6	9	7

ACCIDENT SUMMARY SHEET

ROUTE: Local Streets **LOCATION:** S Geddes St at Seymour St
MUNICIPALITY: Syracuse **COUNTY:** Onondaga
TIME PERIOD COVERED: 1/1/2015 - 12/31/2017 **REFERENCE MARKERS / NODES** -
REMARKS: Selected Accidents **DATE:** 9/28/2018

TIME OF DAY 6 AM - 10 AM 2 8.0% 10 AM - 4 PM 8 32.0% 4 PM - 7 PM 8 32.0% 7 PM - 12 AM 5 20.0% 12 AM - 6 AM 2 8.0% Unspecified 0 0.0% Total 25	DIRECTION North 20 42.6% South 6 12.8% East 5 10.6% West 10 21.3% Total 47	DIRECTION Northeast 1 2.1% Northwest 1 2.1% Southeast 0 0.0% Southwest 0 0.0% Unspecified 4 8.5%
WEATHER Clear 18 72.0% Cloudy 3 12.0% Rain 3 12.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 4.0% Total 25	ACCIDENT TYPE Rear End 10 40.0% Overtake 1 4.0% Right Angle 5 20.0% Left Turn 0 0.0% Right Turn 1 4.0% Fixed Object 3 12.0% Head On 0 0.0% Sideswipe 0 0.0% Total 25	ACCIDENT TYPE Pedestrian 1 4.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 4 16.0% Unspecified 0 0.0%
SURFACE Dry 18 72.0% Wet 5 20.0% Mud/Slush 0 0.0% Snow/Ice 1 4.0% Unspecified 1 4.0% Total 25	ACCIDENT SEVERITY Fatal 0 0.0% Injury 6 24.0% Property Damage 19 76.0% Non-Reportable 0 0.0% Total 25	
TIME OF YEAR Winter (Dec-Feb) 4 16.0% Spring (Mar-May) 11 44.0% Summer (Jun-Aug) 3 12.0% Fall (Sep-Nov) 7 28.0% Total 25	TYPE OF VEHICLE Passenger Cars 42 89.4% Commercial Vehicles 5 10.6% Total 47	
DAY OF WEEK Sunday 1 4.0% Monday 2 8.0% Tuesday 4 16.0% Wednesday 2 8.0% Thursday 4 16.0% Friday 6 24.0% Saturday 6 24.0% Total 25	LIGHT CONDITION Daylight 17 68.0% Dawn/Dusk 1 4.0% Night 6 24.0% Unspecified 1 4.0% Total 25	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	0	3	3
Property Damage Accidents	4	10	5
Non-Reportable Accidents	0	0	0
Total Accidents	4	13	8

ACCIDENT SUMMARY SHEET

ROUTE: *Local Streets* **LOCATION:** *S Geddes St at Grand Av / Shonnard St*
MUNICIPALITY: *Syracuse* **COUNTY:** *Onondaga*
TIME PERIOD COVERED: *1/1/2015 - 12/31/2017* **REFERENCE MARKERS / NODES** *-*
REMARKS: *Selected Accidents* **DATE:** *9/28/2018*

TIME OF DAY 6 AM - 10 AM 1 10.0% 10 AM - 4 PM 3 30.0% 4 PM - 7 PM 3 30.0% 7 PM - 12 AM 2 20.0% 12 AM - 6 AM 1 10.0% Unspecified 0 0.0% Total 10	DIRECTION North 7 33.3% South 8 38.1% East 0 0.0% West 0 0.0% Total 21	DIRECTION Northeast 2 9.5% Northwest 0 0.0% Southeast 0 0.0% Southwest 4 19.0% Unspecified 0 0.0%
WEATHER Clear 3 30.0% Cloudy 5 50.0% Rain 1 10.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 1 10.0% Total 10	ACCIDENT TYPE Rear End 5 50.0% Overtake 3 30.0% Right Angle 0 0.0% Left Turn 1 10.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 10	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 1 10.0% Unspecified 0 0.0%
SURFACE Dry 8 80.0% Wet 1 10.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 1 10.0% Total 10	ACCIDENT SEVERITY Fatal 0 0.0% Injury 4 40.0% Property Damage 6 60.0% Non-Reportable 0 0.0% Total 10	
TIME OF YEAR Winter (Dec-Feb) 2 20.0% Spring (Mar-May) 3 30.0% Summer (Jun-Aug) 2 20.0% Fall (Sep-Nov) 3 30.0% Total 10	TYPE OF VEHICLE Passenger Cars 21 100.0% Commercial Vehicles 0 0.0% Total 21	
DAY OF WEEK Sunday 2 20.0% Monday 0 0.0% Tuesday 2 20.0% Wednesday 1 10.0% Thursday 2 20.0% Friday 2 20.0% Saturday 1 10.0% Total 10	LIGHT CONDITION Daylight 6 60.0% Dawn/Dusk 2 20.0% Night 2 20.0% Unspecified 0 0.0% Total 10	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2015	2016	2017
Fatal Accidents	0	0	0
Injury Accidents	1	1	2
Property Damage Accidents	3	1	2
Non-Reportable Accidents	0	0	0
Total Accidents	4	2	4

Attachment C

Estimated AADTs

Estimated AADTs - I-81

I-81 Segment	Existing Feature	Assumed RM	2013 Existing			No Build			2017 Existing		
			SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT
Segment 1		2008	20300	17372	37672	19710	16030	35740	19963	16605	36568
		2009	20300	17372	37672	19710	16030	35740	19963	16605	36568
Segment 2	NB I-481 N off-ramp / SB I-481 off-ramp	2010	20300	17372	37672	19710	16030	35740	19963	16605	36568
		2011	14909	11523	26432	14683	10345	25028	14780	10850	25630
		2012	14909	11523	26432	14683	10345	25028	14780	10850	25630
		2013	14909	11523	26432	14683	10345	25028	14780	10850	25630
		2014	14909	11523	26432	14683	10345	25028	14780	10850	25630
	NB I-481 S on-ramp / SB I-481 off-ramp	2015	21440	22658	44098	20960	22005	42965	21166	22285	43451
Segment 3		2016	21440	22658	44098	20960	22005	42965	21166	22285	43451
		2017	21440	22658	44098	20960	22005	42965	21166	22285	43451
		2018	21440	22658	44098	20960	22005	42965	21166	22285	43451
Segment 4	NB Exit to US 11 / SB Ent to US 11	2019	19339	21917	41256	18172	20971	39143	18672	21376	40049
		2020	19339	21917	41256	18172	20971	39143	18672	21376	40049
	US 11 Connector	2021	19339	21917	41256	18172	20971	39143	18672	21376	40049
		2022	19339	21917	41256	18172	20971	39143	18672	21376	40049
	NB on-ramp from US 11	2023	19339	31054	50393	18172	29529	47701	18672	30183	48855
		2024	19339	31054	50393	18172	29529	47701	18672	30183	48855
		2025	19339	31054	50393	18172	29529	47701	18672	30183	48855
	SB Exit to US 11	2026	35687	31054	66741	33811	29529	63340	34615	30183	64798
Segment 5		2027	35687	31054	66741	33677	29529	63206	34538	30183	64721
		2028	35687	31054	66741	33677	29529	63206	34538	30183	64721
	NB on-ramp from Colvin St	2029	35687	38647	74334	33677	35066	68743	34538	36601	71139
Segment 6		2030	35687	38647	74334	33677	35066	68743	34538	36601	71139
		2031	35687	38647	74334	33677	35066	68743	34538	36601	71139
		2032	35687	38647	74334	33677	35066	68743	34538	36601	71139
Segment 7		2033	35687	38647	74334	33677	35066	68743	34538	36601	71139
		2034	35687	38647	74334	33677	35066	68743	34538	36601	71139
		2035	35687	38647	74334	33677	35066	68743	34538	36601	71139
Segment 8	NB Exit to Adams St	2036	35687	38647	74334	33677	35066	68743	34538	36601	71139
	SB on-ramp from Adams St	2037	35687	29091	64778	33677	26461	60138	34538	27588	62127
		2038	28892	29091	57983	27522	26461	53983	28109	27588	55697
		2039	28892	29091	57983	27522	26461	53983	28109	27588	55697
		2040	28892	29091	57983	27522	26461	53983	28109	27588	55697
		2041	28892	29091	57983	27522	26461	53983	28109	27588	55697
	NB on-ramp from Harrison St/ SB Ent from I-690 W	2042	22646	46007	68653	21790	43259	65049	22157	44437	66594
Segment 9	NB exit to I-690 E / SB exit to Harrison St	2043	35350	46007	81357	33941	43259	77200	34545	44437	78982
		2044	35350	35290	70640	33941	32385	66326	34545	33630	68175
	SB on-ramp from I-690 E	2045	22207	35290	57497	21896	32385	54281	22029	33630	55659
	NB exit to I-690 W	2046	22207	21985	44192	21896	20506	42402	22029	21140	43169
		2047	22207	21985	44192	21896	20506	42402	22029	21140	43169

Estimated AADTs - I-81

I-81 Segment	Existing Feature	Assumed RM	2013 Existing			No Build			2017 Existing		
			SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT
Segment 10		2048	22207	21985	44192	21896	20506	42402	22029	21140	43169
	SB exit to I-690 E	2049	34364	21985	56349	34550	20506	55056	34470	21140	55610
	NB on-ramp from I-690 W & Pearl St	2050	34364	40022	74386	34600	37824	72424	34499	38766	73265
	SB Exit to Salina St	2051	39063	40022	79085	44343	37824	82167	42080	38766	80846
	SB Exit to Franklin St	2052	46125	40022	86147	46802	37824	84626	46511	38766	85277
	NB Ent from Butternut St / SB Ent from Genant Dr	2053	48487	40022	88509	49260	37824	87084	48929	38766	87695
Segment 11		2054	45193	46512	91705	46228	44800	91028	45784	45534	91318
		2055	45193	46512	91705	46228	44800	91028	45784	45534	91318
	NB Exit to Court St	2056	45193	46512	91705	46228	44800	91028	45784	45534	91318
	SB Exit to Spencer St	2057	48125	41762	89887	49280	40325	89605	48785	40941	89726
		2058	48125	41762	89887	49280	40325	89605	48785	40941	89726
	SB on-ramp from Bear St	2059	42711	41762	84473	43840	40325	84165	43356	40941	84297
Segment 12	NB Ent from Court St	2060	42711	46052	88763	43840	44904	88744	43356	45396	88752
		2160	42711	46052	88763	43840	44904	88744	43356	45396	88752
		2161	42711	46052	88763	43840	44904	88744	43356	45396	88752
Segment 13	NB exit to NY 370	2162	42711	46052	88763	43840	44904	88744	43356	45396	88752
	SB Ent from NY 370	2163	38479	30016	68495	39728	29444	69172	39192	29689	68881
		2164	34246	30016	64262	35615	29444	65059	35028	29689	64717
	SB Ent from Old Liverpool Rd	2165	31634	30016	61650	32771	29444	62215	32284	29689	61973
	NB on-ramp from Hiawatha Blvd	2166	30330	33542	63872	31351	33289	64640	30913	33397	64310
		2167	30330	37067	67397	31351	37133	68484	30913	37105	68018
		2168	30330	37067	67397	31351	37133	68484	30913	37105	68018
		2169	30330	37067	67397	31351	37133	68484	30913	37105	68018
		3200	30330	37067	67397	31351	37133	68484	30913	37105	68018
		3201	30330	37067	67397	31351	37133	68484	30913	37105	68018
		3202	30330	37067	67397	31351	37133	68484	30913	37105	68018
		3203	30330	37067	67397	31351	37133	68484	30913	37105	68018
		3003	30330	37067	67397	31351	37133	68484	30913	37105	68018
Segment 14	SB exit to Hiawatha Blvd	3004	41382	37067	78449	43040	37133	80173	42329	37105	79434
		3005	41382	37067	78449	43040	37133	80173	42329	37105	79434
		3006	41382	37067	78449	43040	37133	80173	42329	37105	79434
		3007	41382	37067	78449	43040	37133	80173	42329	37105	79434
		3008	41382	37067	78449	43040	37133	80173	42329	37105	79434
Segment 15		3009	41382	37067	78449	43040	37133	80173	42329	37105	79434
	NB exit to & SB ent from 7th St	3010	36873	30910	67783	38081	30986	69067	37563	30953	68517
		3011	36873	30910	67783	38081	30986	69067	37563	30953	68517
	SB Exit to & NB Ent from 7th St	3012	42979	36873	79852	44415	36179	80594	43800	36476	80276
	SB ent from I-90	3013	41174	36873	78047	42533	36179	78712	41951	36476	78427
	NB exit to I-90	3014	39369	32557	71926	40657	33669	74326	40105	33192	73297
	SB exit to I-90	3015	39369	32557	71926	40657	33669	74326	40105	33192	73297
	NB Ent from I-90	3016	44184	32557	76741	45607	33669	79276	44997	33192	78190

Estimated AADTs - I-81

I-81 Segment	Existing Feature	Assumed RM	2013 Existing			No Build			2017 Existing		
			SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT
Segment 16		3017	44184	38529	82713	45607	39475	85082	44997	39070	84067
		3018	44184	38529	82713	45607	39475	85082	44997	39070	84067
		3019	44184	38529	82713	45607	39475	85082	44997	39070	84067
		3020	44184	38529	82713	45607	39475	85082	44997	39070	84067
		3021	44184	38529	82713	45607	39475	85082	44997	39070	84067
		3022	44184	38529	82713	45607	39475	85082	44997	39070	84067
		3023	44184	38529	82713	45607	39475	85082	44997	39070	84067
Segment 17	NB Exit to & SB Ent from US 11	3024	38916	33629	72545	40387	34473	74859	39756	34111	73867
		3025	33648	28728	62376	35166	29470	64636	34515	29152	63667
		3026	33648	28728	62376	35166	29470	64636	34515	29152	63667
		3027	33648	28728	62376	35166	29470	64636	34515	29152	63667
		3028	33648	28728	62376	35166	29470	64636	34515	29152	63667
		3029	33648	28728	62376	35166	29470	64636	34515	29152	63667
	NB Exit to Eileen Collins Blvd	3030	33648	28728	62376	35166	29470	64636	34515	29152	63667
	SB Ent from Eileen Collins Blvd	3031	30491	19530	50021	31981	20336	52317	31342	19991	51333
		3032	27334	19530	46864	28795	20336	49131	28169	19991	48159
		3033	27334	19530	46864	28795	20336	49131	28169	19991	48159
		3034	27334	19530	46864	28795	20336	49131	28169	19991	48159
		3035	27334	19530	46864	28795	20336	49131	28169	19991	48159
		3036	27334	19530	46864	28795	20336	49131	28169	19991	48159
		3037	27334	19530	46864	28795	20336	49131	28169	19991	48159
	SB Exit to Eileen Collins Blvd / US 11	3038	29726	19530	49256	31211	20336	51547	30574	19991	50565
		3039	32118	19530	51648	33626	20336	53962	32980	19991	52970
	NB Ent from Eileen Collins Blvd / US 11	3040	32118	19530	51648	33626	20336	53962	32980	19991	52970
		3041	32118	25722	57840	33626	26428	60054	32980	26125	59105
		3042	32118	25722	57840	33626	26428	60054	32980	26125	59105
		3043	32118	25722	57840	33626	26428	60054	32980	26125	59105
		3044	32118	25722	57840	33626	26428	60054	32980	26125	59105
	NB Ent & SB Exit to Taft Rd	3045	36053	29571	65624	37615	30355	67970	36946	30019	66965

Estimated AADTs - I-81

I-81 Segment	Existing Feature	Assumed RM	2013 Existing			No Build			2017 Existing		
			SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT
Segment 18		3046	36053	29571	65624	37615	30355	67970	36946	30019	66965
		3047	36053	29571	65624	37615	30355	67970	36946	30019	66965
		3048	36053	29571	65624	37615	30355	67970	36946	30019	66965
		3049	36053	29571	65624	37615	30355	67970	36946	30019	66965
		3050	36053	29571	65624	37615	30355	67970	36946	30019	66965
		3051	36053	29571	65624	37615	30355	67970	36946	30019	66965
Segment 19	NB Exit to & SB Ent from I-481 E	3052	36053	29571	65624	37615	30355	67970	36946	30019	66965
		3053	22181	27694	49875	23508	28435	51943	22939	28117	51057
	SB Exit to I-481 E	3054	22181	27694	49875	23508	28435	51943	22939	28117	51057
	NB Ent from I-481 E	3055	27598	28337	55935	29160	29093	58253	28491	28769	57259
	NB Exit to & SB Ent from I-481 W	3056	27598	28979	56577	29160	29750	58910	28491	29420	57910
		3057	25711	18087	43798	27019	18735	45754	26458	18457	44916
		3058	25711	18087	43798	27019	18735	45754	26458	18457	44916
	SB Exit to I-481 W	3059	27529	18087	45616	28568	18735	47303	28123	18457	46580
	NB Ent from I-481 W	3060	27529	20927	48456	28568	18735	47303	28123	19674	47797
		3061	27529	23767	51296	28568	18735	47303	28123	20892	49014
		3062	27529	23767	51296	28568	18735	47303	28123	20892	49014

Estimated AADTs - I-81

Cells filled in black indicate a segment that does not exist within the alternative.

I-81 Segment	Viaduct Feature	Assumed	Viaduct			Community Grid Feature	Assumed	Community Grid		
		RM	SB AADT	NB AADT	AADT		RM	SB AADT	NB AADT	AADT
Segment 1		2008	19756	20503	40259	NB Exit to / SB Ent from I-481	2008	16543	12674	29217
		2009	19756	20503	40259		2009	6055	9420	15475
Segment 2	NB I-481 N off-ramp / SB I-481 off-ramp	2010	19756	20503	40259		2010	6055	17372	23427
		2011	14259	14810	29069		2011	6055	17372	23427
		2012	14259	14810	29069		2012	6055	17372	23427
		2013	14259	14810	29069	NB Exit to & SB Ent from Connecting Rd	2013	5531	11381	16912
		2014	14259	14810	29069		2014	5006	5390	10396
	NB I-481 S on-ramp / SB I-481 off-ramp	2015	20872	28009	48881		2015	5006	5390	10396
		2016	20872	28009	48881		2016	5006	5390	10396
Segment 3		2017	20872	28009	48881	NB Ent from / SB Exit to Connecting Rd	2017	6095	6859	12953
		2018	20872	28009	48881		2018	7183	8327	15510
		2019	19515	27227	46742	NB Exit to US 11 / SB Ent to US 11	2019	6912	8009	14921
Segment 4		2020	19515	27227	46742		2020	6912	8009	14921
	US 11 Connector	2021	19515	27227	46742	US 11 Connector	2021	6912	8009	14921
		2022	19515	27227	46742		2022	6912	8009	14921
	NB on-ramp from US 11	2023	19515	35012	54527	NB on-ramp from US 11	2023	6912	10900	17812
		2024	19515	35012	54527		2024	6912	10900	17812
		2025	19515	35012	54527		2025	6912	10900	17812
	SB Exit to US 11	2026	34176	35012	69188	SB Exit to US 11	2026	10902	10900	21802
Segment 5		2027	34176	35012	69188		2027	10902	10900	21802
		2028	34176	35012	69188		2028	10902	10900	21802
	NB on-ramp from Colvin St	2029	34176	43400	77576	NB on-ramp from Colvin St	2029	10902	13568	24470
Segment 6		2030	34176	43400	77576		2030	10902	13568	24470
	SB Ent from MLK	2031	34176	43400	77576		2031	10902	13568	24470
	NB Exit to MLK	2032	31780	35900	67680		2032	10902	13568	24470
Segment 7		2033	31780	35900	67680	End Freeway	2033			
		2034	31780	35900	67680		2034			
		2035	31780	35900	67680		2035			
Segment 8	NB Exit to & SB on-ramp from Adams St	2036	31780	35900	67680		2036			
		2037	28494	30999	59493		2037			
		2038	28494	30999	59493		2038			
		2039	28494	30999	59493		2039			
		2040	28494	30999	59493		2040			
	NB Exit to I-690 E	2041	28494	26591	55085		2041			
	SB Ent from I-690 W	2042	25587	17761	43348		2042			
Segment 9	NB Entrance from Almond St	2043	22679	24061	46740		2043			
	SB Exit to Harrison St	2044	30724	30360	61084		2044			
		2045	38768	30360	69128		2045			
		2046	38768	30360	69128		2046			
	NB Exit to I-690 W	2047	38768	26204	64972		2047			

Estimated AADTs - I-81

Cells filled in black indicate a segment that does not exist within the alternative.

I-81 Segment	Viaduct Feature	Assumed	Viaduct			Community Grid Feature	Assumed	Community Grid		
		RM	SB AADT	NB AADT	AADT		RM	SB AADT	NB AADT	AADT
Segment 10	SB Ent from I-690 E	2048	35062	22048	57110	Return to Freeway	2048	17552	24094	41646
	SB Exit to I-690 E	2049	31615	22048	53663		2049	17552	24094	41646
	NB Ent from Pearl St	2050	35590	25355	60945		2050	17552	24094	41646
	NB Ent from I-690 W & SB Exit to I-690 W	2051	38965	32626	71591	NB Ent from Pearl St	2051	17552	30698	48250
	SB Exit to Franklin	2052	49068	36590	85658		2052	17552	37302	54854
		2053	52410	36590	89000	SB Exit to Oswego Blvd / I-690 E	2053	32520	37302	69822
Segment 11	NB Ent from I-690 E	2054	52410	41857	94267		2054	32520	37302	69822
		2055	52410	47123	99533		2055	32520	37302	69822
		2056	52410	47123	99533		2056	32520	37302	69822
	NB Exit to Court St	2057	52410	45067	97477	NB Exit to Court St	2057	32520	34410	66930
		2058	52410	43010	95420		2058	32520	34410	66930
	SB Ent from Genant Dr	2059	47648	43010	90658	SB Ent from Genant Dr	2059	29163	34410	63573
Segment 12		2060	42886	43010	85896		2060	25805	34410	60215
	NB Ent from Court St	2160	42886	43010	85896	NB Ent from Court St	2160	25805	34410	60215
	SB Exit to Genant Dr	2161	42886	45875	88761	SB Exit to Genant Dr	2161	25805	38203	64008
Segment 13		2162	47930	45875	93805		2162	34588	38203	72791
	NB Exit to NY 370	2163	47930	45875	93805	NB Exit to NY 370	2163	34588	38203	72791
		2164	47930	32150	80080		2164	34588	23480	58068
	SB Ent from NY 370	2165	39487	32150	71637	SB Ent from NY 370	2165	29361	23480	52841
	NB on-ramp from Hiawatha Blvd	2166	35272	34415	69687	NB on-ramp from Hiawatha Blvd	2166	26752	27952	54704
		2167	35272	36680	71952		2167	26752	32423	59175
		2168	35272	36680	71952		2168	26752	32423	59175
		2169	35272	36680	71952		2169	26752	32423	59175
		3200	35272	36680	71952		3200	26752	32423	59175
		3201	35272	36680	71952		3201	26752	32423	59175
		3202	35272	36680	71952		3202	26752	32423	59175
		3203	35272	36680	71952		3203	26752	32423	59175
		3003	35272	36680	71952		3003	26752	32423	59175
	SB exit to Hiawatha Blvd	3004	44247	36680	80927	SB exit to Hiawatha Blvd	3004	37339	32423	69762
Segment 14		3005	44247	36680	80927		3005	37339	32423	69762
		3006	44247	36680	80927		3006	37339	32423	69762
		3007	44247	36680	80927		3007	37339	32423	69762
		3008	44247	36680	80927		3008	37339	32423	69762
		3009	44247	36680	80927		3009	37339	32423	69762
Segment 15	NB exit to & SB ent from 7th St	3010	38849	32057	70906	NB exit to & SB ent from 7th St	3010	32005	27696	59701
		3011	38849	32057	70906		3011	32005	27696	59701
	SB Exit to & NB Ent from 7th St	3012	45175	38207	83382	SB Exit to & NB Ent from 7th St	3012	38076	33715	71791
	SB ent from I-90	3013	43366	38207	81573	SB ent from I-90	3013	37226	33715	70941
	NB exit to I-90	3014	41557	32557	74114	NB exit to I-90	3014	36375	29851	66226
	SB exit to I-90	3015	41557	32557	74114	SB exit to I-90	3015	36375	29851	66226
	NB Ent from I-90	3016	46080	32557	78637	NB Ent from I-90	3016	40245	29851	70096

Estimated AADTs - I-81

Cells filled in black indicate a segment that does not exist within the alternative.

I-81 Segment	Viaduct Feature	Assumed	Viaduct			Community Grid Feature	Assumed	Community Grid		
		RM	SB AADT	NB AADT	AADT		RM	SB AADT	NB AADT	AADT
Segment 16		3017	46080	40035	86115		3017	40245	34631	74876
		3018	46080	40035	86115		3018	40245	34631	74876
		3019	46080	40035	86115		3019	40245	34631	74876
		3020	46080	40035	86115		3020	40245	34631	74876
		3021	46080	40035	86115		3021	40245	34631	74876
		3022	46080	40035	86115		3022	40245	34631	74876
		3023	46080	40035	86115		3023	40245	34631	74876
Segment 17	NB Exit to & SB Ent from US 11	3024	40864	35105	75969	NB Exit to & SB Ent from US 11	3024	35637	31057	66694
		3025	35647	30175	65822		3025	31028	27483	58511
		3026	35647	30175	65822		3026	31028	27483	58511
		3027	35647	30175	65822		3027	31028	27483	58511
		3028	35647	30175	65822		3028	31028	27483	58511
		3029	35647	30175	65822		3029	31028	27483	58511
	NB Exit to Eileen Collins Blvd	3030	35647	30175	65822	NB Exit to Eileen Collins Blvd	3030	31028	27483	58511
	SB Ent from Eileen Collins Blvd	3031	32546	19530	52076	SB Ent from Eileen Collins Blvd	3031	28282	18896	47178
		3032	29445	19530	48975		3032	25536	18896	44432
		3033	29445	19530	48975		3033	25536	18896	44432
		3034	29445	19530	48975		3034	25536	18896	44432
		3035	29445	19530	48975		3035	25536	18896	44432
		3036	29445	19530	48975		3036	25536	18896	44432
		3037	29445	19530	48975		3037	25536	18896	44432
	SB Exit to Eileen Collins Blvd / US 11	3038	31852	19530	51382	SB Exit to Eileen Collins Blvd / US 11	3038	28059	18896	46955
		3039	34258	19530	53788		3039	30581	18896	49477
	NB Ent from Eileen Collins Blvd / US 11	3040	34258	19530	53788	NB Ent from Eileen Collins Blvd / US 11	3040	30581	18896	49477
		3041	34258	27965	62223		3041	30581	25927	56508
		3042	34258	27965	62223		3042	30581	25927	56508
		3043	34258	27965	62223		3043	30581	25927	56508
		3044	34258	27965	62223		3044	30581	25927	56508
	NB Ent & SB Exit to Taft Rd	3045	38160	31838	69998	NB Ent & SB Exit to Taft Rd	3045	34776	30091	64867

Estimated AADTs - I-81

Cells filled in black indicate a segment that does not exist within the alternative.

I-81 Segment	Viaduct Feature	Assumed	Viaduct			Community Grid Feature	Assumed	Community Grid		
		RM	SB AADT	NB AADT	AADT		RM	SB AADT	NB AADT	AADT
Segment 18		3046	38160	31838	69998		3046	34776	30091	64867
		3047	38160	31838	69998		3047	34776	30091	64867
		3048	38160	31838	69998		3048	34776	30091	64867
		3049	38160	31838	69998		3049	34776	30091	64867
		3050	38160	31838	69998		3050	34776	30091	64867
		3051	38160	31838	69998		3051	34776	30091	64867
Segment 19	NB Exit to & SB Ent from I-481 E	3052	38160	31838	69998	NB Exit to & SB Ent from I-481 E	3052	34776	30091	64867
		3053	24320	29991	54311		3053	21769	27777	49546
	SB Exit to I-481 E	3054	24320	29991	54311		3054	21769	27777	49546
	NB Ent from I-481 E	3055	30055	30211	60266	NB Ent from I-481 E	3055	27598	28337	55935
	NB Exit to & SB Ent from I-481 W	3056	30055	30430	60485	NB Exit to & SB Ent from I-481 W	3056	27598	28199	55797
		3057	28782	19457	48239		3057	19946	18142	38088
		3058	28782	19457	48239		3058	19946	18142	38088
	SB Exit to I-481 W	3059	30396	19457	49853	SB Exit to I-481 W	3059	22147	18142	40289
	NB Ent from I-481 W	3060	30396	22398	52794	NB Ent from I-481 W	3060	22147	21515	43662
		3061	30396	25338	55734		3061	22147	24887	47034
		3062	30396	25338	55734	SB Exit to I-481 E	3062	22147	24887	47034

Estimated AADTs - I-81

Cells filled in black indicate a segment that does not exist within the alternative.

I-81 Segment	2013 Existing			No Build			2017 Existing		
	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT
Segment 1	20300	17370	37670	19710	16030	35740	19960	16610	36570
Segment 2	16900	14350	31250	16570	13240	29810	16710	13710	30420
Segment 3	21440	22660	44100	20960	22010	42970	21170	22280	43450
Segment 4	21380	26490	47870	20130	25250	45380	20670	25780	46450
Segment 5	35690	33590	69280	33680	31370	65050	34540	32320	66860
Segment 6	35690	38650	74340	33680	35070	68750	34540	36600	71140
Segment 7	35690	38650	74340	33680	35070	68750	34540	36600	71140
Segment 8	29940	32870	62810	28460	30090	58550	29100	31280	60380
Segment 9	27460	32110	59570	26710	29810	56520	27040	30800	57840
Segment 10	37430	34010	71440	38580	32050	70630	38090	32890	70980
Segment 11	45760	44140	89900	46850	42560	89410	46380	43240	89620
Segment 12	42710	46050	88760	43840	44900	88740	43360	45400	88760
Segment 13	32960	35950	68910	34080	35770	69850	33600	35840	69440
Segment 14	41380	37070	78450	43040	37130	80170	42330	37100	79430
Segment 15	40120	33320	73440	41430	33620	75050	40870	33490	74360
Segment 16	44180	38530	82710	45610	39480	85090	45000	39070	84070
Segment 17	31540	24260	55800	33030	25030	58060	32390	24700	57090
Segment 18	36050	29570	65620	37620	30360	67980	36950	30020	66970
Segment 19	27010	24090	51100	28300	23500	51800	27750	23750	51500

I-81 Segment	Viaduct			Community Grid		
	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT
Segment 1	19760	20500	40260	11300	11050	22350
Segment 2	16280	17960	34240	5620	12380	18000
Segment 3	20870	28010	48880	6090	6860	12950
Segment 4	21350	31120	52470	7410	9450	16860
Segment 5	34180	37810	71990	10900	11790	22690
Segment 6	33380	40900	74280	10900	13570	24470
Segment 7	31780	35900	67680			
Segment 8	28550	29180	57730			
Segment 9	33940	28270	62210			
Segment 10	40450	29210	69660	20050	29600	49650
Segment 11	51620	44530	96150	31960	35860	67820
Segment 12	42890	43970	86860	25810	35670	61480
Segment 13	38930	37180	76110	29370	31650	61020
Segment 14	44250	36680	80930	37340	32420	69760
Segment 15	42200	34030	76230	36040	30340	66380
Segment 16	46080	40040	86120	40250	34630	74880
Segment 17	33610	25230	58840	29530	23580	53110
Segment 18	38160	31840	70000	34780	30090	64870
Segment 19	29640	25810	55450	23820	24350	48170

Estimated AADTs - I-481

I-481 Segment	Existing Feature	Assumed RM	2013 Existing			No Build			2017 Existing		
			SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT
Segment 1	I-81 Ramps	1000	8853	12380	21233	9213	12183	21396	9059	12267	21326
		1001	8853	12380	21233	9213	12183	21396	9059	12267	21326
		1002	8853	12380	21233	9213	12183	21396	9059	12267	21326
		1003	8853	12380	21233	9213	12183	21396	9059	12267	21326
		1004	8853	12380	21233	9213	12183	21396	9059	12267	21326
	SB Exit to Brighton Av	1005	14473	12380	26853	15272	12183	27455	14930	12267	27197
Segment 2		2000	14473	12380	26853	15272	12183	27455	14930	12267	27197
		2001	14473	12380	26853	15272	12183	27455	14930	12267	27197
	NB Exit to Rock Cut Rd	2002	14473	11164	25637	15272	11004	26276	14930	11072	26002
		2003	14473	9947	24420	15272	9824	25096	14930	9877	24806
		2004	14473	9947	24420	15272	9824	25096	14930	9877	24806
	NB Ent from Rock Cut Rd	2005	14473	12308	26781	15272	12287	27559	14930	12296	27225
Segment 3		2006	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2007	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2008	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2009	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2010	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2011	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2012	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2013	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2014	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2015	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2016	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2017	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2018	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2019	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2020	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2021	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2022	14473	14668	29141	15272	14750	30022	14930	14715	29644
		2023	14473	14668	29141	15272	14750	30022	14930	14715	29644
Segment 4	NB Exit & SB Ent from Jamesville Rd	2024	14473	12915	27388	15272	13004	28276	14930	12966	27895
		2025	10943	11161	22104	11385	11258	22643	11196	11216	22412
		2026	10943	11161	22104	11385	11258	22643	11196	11216	22412
		2027	10943	11161	22104	11385	11258	22643	11196	11216	22412
		2028	10943	11161	22104	11385	11258	22643	11196	11216	22412
		2029	10943	11161	22104	11385	11258	22643	11196	11216	22412
	SB Exit to Jamesville Rd	2030	15928	11161	27089	16795	11258	28053	16423	11216	27640
	NB Ent from Jamesville Rd	2031	15928	16464	32392	16795	17408	34203	16423	17003	33427

Estimated AADTs - I-481

I-481 Segment	Existing Feature	Assumed RM	2013 Existing			No Build			2017 Existing		
			SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT
Segment 5		2032	15928	16464	32392	16795	17408	34203	16423	17003	33427
		2033	15928	16464	32392	16795	17408	34203	16423	17003	33427
		2034	15928	16464	32392	16795	17408	34203	16423	17003	33427
		2035	15928	16464	32392	16795	17408	34203	16423	17003	33427
		2036	15928	16464	32392	16795	17408	34203	16423	17003	33427
		2037	15928	16464	32392	16795	17408	34203	16423	17003	33427
		2038	15928	16464	32392	16795	17408	34203	16423	17003	33427
		2039	15928	16464	32392	16795	17408	34203	16423	17003	33427
		2040	15928	16464	32392	16795	17408	34203	16423	17003	33427
		2041	15928	16464	32392	16795	17408	34203	16423	17003	33427
		2042	15928	16464	32392	16795	17408	34203	16423	17003	33427
Segment 6	NB Exit to NY 5 E	2043	15928	15079	31007	16795	15979	32774	16423	15593	32016
	SB Ent from NY 5 E	2044	13470	13694	27164	14216	14549	28765	13896	14183	28079
	NB Ent from & SB Exit to NY 5 E	2045	20562	15023	35585	28593	16013	44606	25151	15588	40739
		2046	27654	16002	43656	28593	17476	46069	28191	16844	45035
	NB Exit to & SB Ent from NY 5 W	2047	27654	15023	42677	28593	16189	44782	28191	15689	43879
		2048	24697	14043	38740	25581	14901	40482	25202	14533	39735
	NB Ent from & SB Exit to NY 5 W	2049	27748	29545	57293	28647	31189	59836	28262	30484	58746
Segment 7		2050	27748	29545	57293	28647	31189	59836	28262	30484	58746
		2051	27748	29545	57293	28647	31189	59836	28262	30484	58746
		2052	27748	29545	57293	28647	31189	59836	28262	30484	58746
		2053	27748	29545	57293	28647	31189	59836	28262	30484	58746
		2054	27748	29545	57293	28647	31189	59836	28262	30484	58746
		2055	27748	29545	57293	28647	31189	59836	28262	30484	58746
		2056	27748	29545	57293	28647	31189	59836	28262	30484	58746
		2057	27748	29545	57293	28647	31189	59836	28262	30484	58746
Segment 8	SB Ent from I-690	2058	20714	29545	50259	21629	31189	52818	21236	30484	51721
		2059	13679	29545	43224	14610	31189	45799	14211	30484	44695
	NB Exit to I-690	2060	13679	21403	35082	14610	22700	37310	14211	22144	36355
		2061	13679	13260	26939	14610	14211	28821	14211	13803	28014
		2062	13679	13260	26939	14610	14211	28821	14211	13803	28014
		2063	13679	13260	26939	14610	14211	28821	14211	13803	28014
	NB Ent from I-690	2064	13679	19255	32934	14610	20353	34963	14211	19882	34093
		2065	13679	25249	38928	14610	26494	41104	14211	25960	40171
		2066	13679	25249	38928	14610	26494	41104	14211	25960	40171
	SB Exit to I-690	2067	19132	25249	44381	20303	26494	46797	19801	25960	45761

Estimated AADTs - I-481

I-481 Segment	Existing Feature	Assumed RM	2013 Existing			No Build			2017 Existing		
			SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT
Segment 9		2068	24584	25249	49833	25995	26494	52489	25390	25960	51351
		2069	24584	25249	49833	25995	26494	52489	25390	25960	51351
		2070	24584	25249	49833	25995	26494	52489	25390	25960	51351
		2071	24584	25249	49833	25995	26494	52489	25390	25960	51351
		2072	24584	25249	49833	25995	26494	52489	25390	25960	51351
		2073	24584	25249	49833	25995	26494	52489	25390	25960	51351
		2074	24584	25249	49833	25995	26494	52489	25390	25960	51351
Segment 10	NB Exit to Kirkville Rd E	2075	24584	22139	46723	25995	23204	49199	25390	22748	48138
	SB Ent from Kirkville Rd E	2076	19627	22139	41766	20800	23204	44004	20297	22748	43045
	NB Ent from & SB Exit to Kirkville Rd E	2077	20311	22686	42997	21543	23809	45351	21015	23327	44342
		2078	21681	23781	45462	23030	25020	48050	22452	24489	46941
	NB Exit to & SB Ent from Kirkville Rd E	2079	21681	23781	45462	23030	25020	48050	22452	24489	46941
		2080	19147	18711	37858	20317	19738	40055	19816	19298	39113
	NB Ent from Kirkville Rd E	2081	19147	18711	37858	20317	19738	40055	19816	19298	39113
	SB Exit to Kirkville Rd E	2082	20763	20223	40986	22132	21487	43619	21545	20945	42491
Segment 11		2083	20763	20223	40986	22132	21487	43619	21545	20945	42491
		2084	20763	20223	40986	22132	21487	43619	21545	20945	42491
		2085	20763	20223	40986	22132	21487	43619	21545	20945	42491
		2086	20763	20223	40986	22132	21487	43619	21545	20945	42491
		2087	20763	20223	40986	22132	21487	43619	21545	20945	42491
		2088	20763	20223	40986	22132	21487	43619	21545	20945	42491
		2089	20763	20223	40986	22132	21487	43619	21545	20945	42491
Segment 12	NB Exit to & SB Ent from I-90	2090	17606	20223	37829	18733	21487	40220	18250	20945	39195
		2091	14449	12410	26859	15334	13318	28652	14955	12929	27884
	SB Exit to I-90	2092	15324	12410	27734	16275	13318	29593	15868	12929	28796
		2093	17076	12410	29486	18161	13318	31479	17696	12929	30625
	NB Ent from I-90	2094	17076	15668	32744	18161	16872	35033	17696	16356	34052
Segment 13		2095	17076	15668	32744	18161	16872	35033	17696	16356	34052
		2096	17076	15668	32744	18161	16872	35033	17696	16356	34052
		2097	17076	15668	32744	18161	16872	35033	17696	16356	34052
		2098	17076	15668	32744	18161	16872	35033	17696	16356	34052
Segment 14	NB Exit to & SB Ent from Bridgeport Rd	2099	12281	11541	23822	13544	12086	25630	13003	11852	24855
		2100	12281	11541	23822	13544	12086	25630	13003	11852	24855
	NB Ent from & SB Exit to Bridgeport Rd	2101	14302	13177	27478	15397	13869	29266	14928	13572	28500

Estimated AADTs - I-481

I-481 Segment	Existing Feature	Assumed	2013 Existing			No Build			2017 Existing		
		RM	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT
Segment 15		2102	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2103	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2104	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2105	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2106	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2107	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2108	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2109	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2110	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2111	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2112	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2113	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2114	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2115	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2116	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2117	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2118	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2119	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2120	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2121	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2122	16322	14812	31134	17250	15652	32902	16852	15292	32144
		2123	16322	14812	31134	17250	15652	32902	16852	15292	32144
Segment 16	NB Exit to & SB Ent from Northern Blvd	2127	13715	13068	26783	14428	13817	28245	14122	13496	27618
		2128	13715	11324	25039	14428	11981	26409	14122	11699	25822
		2129	13715	11324	25039	14428	11981	26409	14122	11699	25822
		2130	13715	11324	25039	14428	11981	26409	14122	11699	25822
		2131	13715	11324	25039	14428	11981	26409	14122	11699	25822
	SB Exit to Northern Blvd	2132	13715	11324	25039	14428	11981	26409	14122	11699	25822
Segment 17	NB Ent from Northern Blvd	2133	18770	18917	37687	19668	19754	39422	19283	19395	38678
		2134	18770	18917	37687	19668	19754	39422	19283	19395	38678
		2135	18770	18917	37687	19668	19754	39422	19283	19395	38678
		2136	18770	18917	37687	19668	19754	39422	19283	19395	38678
		2137	18770	18917	37687	19668	19754	39422	19283	19395	38678

Estimated AADTs - I-481

I-481 Segment	Existing Feature	Assumed	2013 Existing			No Build			2017 Existing		
		RM	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT
Segment 18		2138	18770	18917	37687	19668	19754	39422	19283	19395	38678
		2139	18770	18917	37687	19668	19754	39422	19283	19395	38678
		2140	18770	18917	37687	19668	19754	39422	19283	19395	38678
	NB Exit to I-81 N	2141	18770	16077	34847	19668	16778	36446	19283	16477	35760
	SB Ent from I-81 S	2142	17832	13236	31068	18659	13801	32460	18304	13559	31863
		2143	16893	13236	30129	17650	13801	31451	17326	13559	30884
	NB Ent from & SB Exit to I-81 N	2144	18178	13236	31414	18942	13801	32743	18615	13559	32173
		2145	18178	24128	42306	18942	24822	43764	18615	24525	43139
		1000	18178	24128	42306	18942	24822	43764	18615	24525	43139
	NB Exit to & SB Ent from I-81 S	1001	12761	24128	36889	13271	24822	38093	13052	24525	37577
		1002	12761	22250	35011	13271	22690	35961	13052	22501	35554
	NB Ent from & SB Exit to I-81 S	1003	12761	23788	36549	13271	24241	37512	13052	24047	37099
		1004	26632	23788	50420	27320	24241	51561	27025	24047	51072

Estimated AADTs - I-481

I-481 Segment	Viaduct Feature	Assumed RM	Viaduct			Community Grid Feature	Assumed RM	Community Grid		
			SB AADT	NB AADT	AADT			SB AADT	NB AADT	AADT
Segment 1	I-81 Ramps	1000	12047	12553	24600	I-81 Ramps	1000	11103	9420	20523
		1001	12047	12553	24600		1001	11103	9420	20523
		1002	12047	12553	24600		1002	11103	9420	20523
		1003	12047	12553	24600		1003	11103	9420	20523
		1004	12047	12553	24600		1004	11103	9420	20523
	SB Exit to Brighton Av	1005	17764	12553	30317		1005	11103	9420	20523
Segment 2		2000	17764	12553	30317	SB Exit to Brighton Av	2000	15020	9420	24440
		2001	17764	12553	30317		2001	18936	9420	28356
	NB Exit to Rock Cut Rd	2002	17764	11286	29050	NB Exit to Rock Cut Rd	2002	18936	9375	28311
		2003	17764	10018	27782		2003	18936	9329	28265
		2004	17764	10018	27782		2004	18936	9329	28265
	NB Ent from Rock Cut Rd	2005	17764	12488	30252	NB Ent from Rock Cut Rd	2005	18936	18572	37508
Segment 3		2006	17764	14957	32721		2006	18936	18485	37421
		2007	17764	14957	32721		2007	18936	18485	37421
		2008	17764	14957	32721		2008	18936	18485	37421
		2009	17764	14957	32721		2009	18936	18485	37421
		2010	17764	14957	32721		2010	18936	18485	37421
		2011	17764	14957	32721		2011	18936	18485	37421
		2012	17764	14957	32721		2012	18936	18485	37421
		2013	17764	14957	32721		2013	18936	18485	37421
		2014	17764	14957	32721		2014	18936	18485	37421
		2015	17764	14957	32721		2015	18936	18485	37421
		2016	17764	14957	32721		2016	18936	18485	37421
		2017	17764	14957	32721		2017	18936	18485	37421
		2018	17764	14957	32721		2018	18936	18485	37421
		2019	17764	14957	32721		2019	18936	18485	37421
		2020	17764	14957	32721		2020	18936	18485	37421
		2021	17764	14957	32721		2021	18936	18485	37421
		2022	17764	14957	32721		2022	18936	18485	37421
		2023	17764	14957	32721		2023	18936	18485	37421
Segment 4	NB Exit & SB Ent from Jamesville Rd	2024	17764	12959	30723	NB Exit & SB Ent from Jamesville Rd	2024	17686	17942	35628
		2025	13006	10961	23967		2025	17686	17399	35085
		2026	13006	10961	23967		2026	17686	17399	35085
		2027	13006	10961	23967		2027	17686	17399	35085
		2028	13006	10961	23967		2028	17686	17399	35085
		2029	13006	10961	23967		2029	17686	17399	35085
	SB Exit to Jamesville Rd	2030	18117	10961	29078	SB Exit to Jamesville Rd	2030	25033	17399	42432
	NB Ent from Jamesville Rd	2031	18117	17052	35169	NB Ent from Jamesville Rd	2031	25033	25640	50673

Estimated AADTs - I-481

I-481 Segment	Viaduct Feature	Assumed	Viaduct			Community Grid Feature	Assumed	Community Grid		
		RM	SB AADT	NB AADT	AADT		RM	SB AADT	NB AADT	AADT
Segment 5		2032	18117	17052	35169		2032	25033	25640	50673
		2033	18117	17052	35169		2033	25033	25640	50673
		2034	18117	17052	35169		2034	25033	25640	50673
		2035	18117	17052	35169		2035	25033	25640	50673
		2036	18117	17052	35169		2036	25033	25640	50673
		2037	18117	17052	35169		2037	25033	25640	50673
		2038	18117	17052	35169		2038	25033	25640	50673
		2039	18117	17052	35169		2039	25033	25640	50673
		2040	18117	17052	35169		2040	25033	25640	50673
		2041	18117	17052	35169		2041	25033	25640	50673
		2042	18117	17052	35169		2042	25033	25640	50673
Segment 6	NB Exit to NY 5 E	2043	18117	15502	33619	NB Exit to NY 5 E	2043	25033	24534	49567
	SB Ent from NY 5 E	2044	15435	13951	29386	SB Ent from NY 5 E	2044	23002	23427	46429
	NB Ent from & SB Exit to NY 5 E	2045	29758	15411	45169	NB Ent from & SB Exit to NY 5 E	2045	38104	25001	63105
		2046	29758	16871	46629		2046	38104	26575	64679
	NB Exit to & SB Ent from NY 5 W	2047	29758	15596	45354	NB Exit to & SB Ent from NY 5 W	2047	38104	37035	75139
		2048	25584	14321	39905		2048	35844	23747	59591
	NB Ent from & SB Exit to NY 5 W	2049	28636	30623	59259	NB Ent from & SB Exit to NY 5 W	2049	38880	40355	79235
Segment 7		2050	28636	30623	59259		2050	38880	40355	79235
		2051	28636	30623	59259		2051	38880	40355	79235
		2052	28636	30623	59259		2052	38880	40355	79235
		2053	28636	30623	59259		2053	38880	40355	79235
		2054	28636	30623	59259		2054	38880	40355	79235
		2055	28636	30623	59259		2055	38880	40355	79235
		2056	28636	30623	59259		2056	38880	40355	79235
		2057	28636	30623	59259		2057	38880	40355	79235
Segment 8	SB Ent from I-690	2058	21684	30623	52307	SB Ent from I-690	2058	29375	40355	69730
		2059	14731	30623	45354		2059	19870	40355	60225
	NB Exit to I-690	2060	14731	22048	36779	NB Exit to I-690	2060	19870	29204	49074
		2061	14731	13472	28203		2061	19870	18053	37923
		2062	14731	13472	28203		2062	19870	18053	37923
		2063	14731	13472	28203		2063	19870	18053	37923
	NB Ent from I-690	2064	14731	19410	34141	NB Ent from I-690	2064	19870	24112	43982
		2065	14731	25347	40078		2065	19870	30171	50041
		2066	14731	25347	40078		2066	19870	30171	50041
	SB Exit to I-690	2067	20335	25347	45682	SB Exit to I-690	2067	25699	30171	55870

Estimated AADTs - I-481

I-481 Segment	Viaduct Feature	Assumed	Viaduct			Community Grid Feature	Assumed	Community Grid		
		RM	SB AADT	NB AADT	AADT		RM	SB AADT	NB AADT	AADT
Segment 9		2068	25938	25347	51285		2068	31528	30171	61699
		2069	25938	25347	51285		2069	31528	30171	61699
		2070	25938	25347	51285		2070	31528	30171	61699
		2071	25938	25347	51285		2071	31528	30171	61699
		2072	25938	25347	51285		2072	31528	30171	61699
		2073	25938	25347	51285		2073	31528	30171	61699
		2074	25938	25347	51285		2074	31528	30171	61699
Segment 10	NB Exit to Kirkville Rd E	2075	25938	22067	48005	NB Exit to Kirkville Rd E	2075	31528	26875	58403
	SB Ent from Kirkville Rd E	2076	20614	22067	42681	SB Ent from Kirkville Rd E	2076	26059	26875	52934
	NB Ent from & SB Exit to Kirkville Rd E	2077	21358	22615	43973	NB Ent from & SB Exit to Kirkville Rd E	2077	26781	27960	54741
		2078	22847	23713	46560		2078	28228	28501	56729
	NB Exit to & SB Ent from Kirkville Rd E	2079	22847	23713	46560	NB Exit to & SB Ent from Kirkville Rd E	2079	28228	28501	56729
		2080	20062	18502	38564		2080	28228	28501	56729
	NB Ent from Kirkville Rd E	2081	20062	18502	38564	NB Ent from Kirkville Rd E	2081	28228	28501	56729
	SB Exit to Kirkville Rd E	2082	21864	20193	42057	SB Exit to Kirkville Rd E	2082	25452	23076	48528
Segment 11		2083	21864	20193	42057		2083	25452	23076	48528
		2084	21864	20193	42057		2084	27195	27492	54687
		2085	21864	20193	42057		2085	27195	27492	54687
		2086	21864	20193	42057		2086	27195	27492	54687
		2087	21864	20193	42057		2087	27195	27492	54687
		2088	21864	20193	42057		2088	27195	27492	54687
		2089	21864	20193	42057		2089	27195	27492	54687
Segment 12	NB Exit to & SB Ent from I-90	2090	18440	20193	38633	NB Exit to & SB Ent from I-90	2090	23695	27492	51187
		2091	15016	12160	27176		2091	20195	15976	36171
	SB Exit to I-90	2092	15950	12160	28110	SB Exit to I-90	2092	21084	15976	37060
		2093	17820	12160	29980		2093	22865	15976	38841
	NB Ent from I-90	2094	17820	15832	33652	NB Ent from I-90	2094	22865	16872	39737
Segment 13		2095	17820	15832	33652		2095	22865	16872	39737
		2096	17820	15832	33652		2096	22865	16872	39737
		2097	17820	15832	33652		2097	22865	16872	39737
		2098	17820	15832	33652		2098	22865	16872	39737
Segment 14	NB Exit to & SB Ent from Bridgeport Rd	2099	13216	11235	24451	NB Exit to & SB Ent from Bridgeport Rd	2099	18346	14518	32864
		2100	13216	11235	24451		2100	18346	14518	32864
	NB Ent from & SB Exit to Bridgeport Rd	2101	15071	12992	28063	NB Ent from & SB Exit to Bridgeport Rd	2101	20226	16175	36400

Estimated AADTs - I-481

I-481 Segment	Viaduct Feature	Assumed	Viaduct			Community Grid Feature	Assumed	Community Grid		
		RM	SB AADT	NB AADT	AADT		RM	SB AADT	NB AADT	AADT
Segment 15		2102	16926	14748	31674		2102	22105	17831	39936
		2103	16926	14748	31674		2103	22105	17831	39936
		2104	16926	14748	31674		2104	22105	17831	39936
		2105	16926	14748	31674		2105	22105	17831	39936
		2106	16926	14748	31674		2106	22105	17831	39936
		2107	16926	14748	31674		2107	22105	17831	39936
		2108	16926	14748	31674		2108	22105	17831	39936
		2109	16926	14748	31674		2109	22105	17831	39936
		2110	16926	14748	31674		2110	22105	17831	39936
		2111	16926	14748	31674		2111	22105	17831	39936
		2112	16926	14748	31674		2112	22105	17831	39936
		2113	16926	14748	31674		2113	22105	17831	39936
		2114	16926	14748	31674		2114	22105	17831	39936
		2115	16926	14748	31674		2115	22105	17831	39936
		2116	16926	14748	31674		2116	22105	17831	39936
		2117	16926	14748	31674		2117	22105	17831	39936
		2118	16926	14748	31674		2118	22105	17831	39936
		2119	16926	14748	31674		2119	22105	17831	39936
		2120	16926	14748	31674		2120	22105	17831	39936
		2121	16926	14748	31674		2121	22105	17831	39936
		2122	16926	14748	31674		2122	22105	17831	39936
		2123	16926	14748	31674		2123	22105	17831	39936
		2124	16926	14748	31674		2124	22105	17831	39936
		2125	16926	14748	31674		2125	22105	17831	39936
		2126	16926	14748	31674		2126	22105	17831	39936
Segment 16	NB Exit to & SB Ent from Northern Blvd	2127	14133	13055	27188	NB Exit to & SB Ent from Northern Blvd	2127	19405	15935	35340
		2128	14133	11361	25494		2128	19405	14039	33444
		2129	14133	11361	25494		2129	19405	14039	33444
		2130	14133	11361	25494		2130	19405	14039	33444
		2131	14133	11361	25494		2131	19405	14039	33444
	SB Exit to Northern Blvd	2132	14133	11361	25494	SB Exit to Northern Blvd	2132	19405	14039	33444
Segment 17	NB Ent from Northern Blvd	2133	19296	18239	37535	NB Ent from Northern Blvd	2133	24431	20932	45363
		2134	19296	18239	37535		2134	24431	20932	45363
		2135	19296	18239	37535		2135	24431	20932	45363
		2136	19296	18239	37535		2136	24431	20932	45363
		2137	19296	18239	37535		2137	24431	20932	45363

Estimated AADTs - I-481

I-481 Segment	Viaduct Feature	Assumed RM	Viaduct			Community Grid Feature	Assumed RM	Community Grid		
			SB AADT	NB AADT	AADT			SB AADT	NB AADT	AADT
Segment 18		2138	19296	18239	37535	SB Ent from I-81 S	2138	19536	20932	40468
		2139	19296	18239	37535		2139	14641	20932	35573
		2140	19296	18239	37535		2140	14641	20932	35573
	NB Exit to I-81 N	2141	19296	15300	34596	NB Exit to I-81 N	2141	14641	17560	32201
	SB Ent from I-81 S	2142	18350	12360	30710	SB Ent from I-81 S	2142	13484	14187	27671
		2143	17404	12360	29764		2143	12327	14187	26514
	NB Ent from & SB Exit to I81 N	2144	17835	12360	30195	NB Ent from & SB Exit to I81 N	2144	12749	14187	26936
		2145	17835	23347	41182		2145	12749	24244	36993
		1000	17835	23347	41182		1000	12749	24244	36993
	NB Exit to & SB Ent from I-81 S	1001	12095	23347	35442	NB Exit to I-81 S	1001	12749	24244	36993
		1002	12095	22078	34173		1002	12749	22421	35170
	NB Ent from & SB Exit to I-81 S	1003	12095	23693	35788	NB Ent from & SB Exit to I-81 S	1003	12749	24622	37371
		1004	25925	23693	49618		1004	25756	24622	50378

Estimated AADTs - I-481

Cells filled in black indicate an intersection that does not exist within the alternative.

I-481 Segment	2013 Existing			No Build			2017 Existing		
	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT
Segment 1	9790	12380	22170	10220	12180	22400	10040	12270	22310
Segment 2	14470	11350	25820	15270	11220	26490	14930	11280	26210
Segment 3	14470	14670	29140	15270	14750	30020	14930	14710	29640
Segment 4	12630	12040	24670	13220	12250	25470	12970	12160	25130
Segment 5	15930	16460	32390	16800	17410	34210	16420	17000	33420
Segment 6	22530	16920	39450	24430	18040	42470	23620	17560	41180
Segment 7	27750	29550	57300	28650	31190	59840	28260	30480	58740
Segment 8	14930	21530	36460	15880	22750	38630	15470	22230	37700
Segment 9	24580	25250	49830	26000	26490	52490	25390	25960	51350
Segment 10	20870	21520	42390	22150	22650	44800	21600	22170	43770
Segment 11	20760	20220	40980	22130	21490	43620	21550	20950	42500
Segment 12	16310	14620	30930	17330	15660	32990	16890	15220	32110
Segment 13	17080	15670	32750	18160	16870	35030	17700	16360	34060
Segment 14	12950	12090	25040	14160	12680	26840	13640	12430	26070
Segment 15	16320	14810	31130	17250	15650	32900	16850	15290	32140
Segment 16	14440	12660	27100	15180	13350	28530	14860	13060	27920
Segment 17	18770	18920	37690	19670	19750	39420	19280	19400	38680
Segment 18	17630	19600	37230	18380	20240	38620	18060	19960	38020

I-481 Segment	Viaduct			Community Grid		
	SB AADT	NB AADT	AADT	SB AADT	NB AADT	AADT
Segment 1	13000	12550	25550	11100	9420	20520
Segment 2	17760	11490	29250	18280	10910	29190
Segment 3	17760	14960	32720	18940	18490	37430
Segment 4	14880	11970	26850	19520	18500	38020
Segment 5	18120	17050	35170	25030	25640	50670
Segment 6	25290	17470	42760	33870	28670	62540
Segment 7	28640	30620	59260	38880	40360	79240
Segment 8	15990	21920	37910	21400	27870	49270
Segment 9	25940	25350	51290	31530	30170	61700
Segment 10	21950	21420	43370	27840	27350	55190
Segment 11	21860	20190	42050	26950	26860	53810
Segment 12	17010	14500	31510	22140	18460	40600
Segment 13	17820	15830	33650	22870	16870	39740
Segment 14	13830	11820	25650	18970	15070	34040
Segment 15	16930	14750	31680	22110	17830	39940
Segment 16	14870	12590	27460	20120	15290	35410
Segment 17	19300	18240	37540	24430	20930	45360
Segment 18	17590	18970	36560	14730	20560	35290
Segment 0				11100	9420	20520
Segment 19				9790	6740	16530

Segment 0 is the new freeway connection to existing I-81 in the southern interchange

Segment 19 is the new freeway connection to existing I-81 in the northern interchange

Estimated AADTs - I-690

I-690 Segment	Existing Feature	Assumed RM	2013 Existing			No Build			2017 Existing		
			EB AADT	WB AADT	AADT	EB AADT	WB AADT	AADT	EB AADT	WB AADT	AADT
Segment 1		2005	38634	34771	73405	40434	35740	76174	39663	35325	74987
	EB Exit to & WB Ent from Hiawatha Blvd	2006	36079	31941	68020	37815	33000	70815	37071	32546	69617
		2007	30962	29111	60073	32570	30260	62830	31881	29768	61648
		2008	30962	29111	60073	32570	30260	62830	31881	29768	61648
	EB Exit to Bear St	2009	30962	29111	60073	32570	30260	62830	31881	29768	61648
	WB Ent from Bear St	2010	27538	29111	56649	29282	30260	59542	28535	29768	58302
Segment 2		2011	27538	21745	49283	29282	22991	52273	28535	22457	50992
		2012	27538	21745	49283	29282	22991	52273	28535	22457	50992
		2013	27538	21745	49283	29282	22991	52273	28535	22457	50992
		2014	27538	21745	49283	29282	22991	52273	28535	22457	50992
		2015	27538	21745	49283	29282	22991	52273	28535	22457	50992
Segment 3	EB Ent from & WB Exit to Geddes St	2016	32041	24271	56312	34970	25696	60666	33715	25085	58800
		2017	32041	26796	58837	34970	28401	63371	33715	27713	61428
Segment 4	EB Exit to N West St	2018	32041	26796	58837	34970	28401	63371	33715	27713	61428
	WB Ent from N West St	2019	25419	26796	52215	28012	28401	56413	26901	27713	54614
		2020	25419	21592	47011	28012	22380	50392	26901	22042	48943
		2021	25419	21592	47011	28012	22380	50392	26901	22042	48943
	EB Ent from N West St	2022	25419	21592	47011	28012	22380	50392	26901	22042	48943
	WB Exit to N West St	2023	33613	27738	61351	34405	27532	61937	34066	27620	61686
		2024	33613	33884	67497	34405	32683	67088	34066	33198	67263
Segment 5	WB Ent from I-81 N	2025	33613	27232	60845	34405	26728	61133	34066	26944	61009
	EB Exit to I-81 S	2026	29569	20579	50148	30348	20773	51121	30015	20690	50704
	WB Exit to I-81 N / EB Ent from I-81 S	2027	21470	32452	53922	22223	32858	55081	21900	32684	54584
		2028	33627	32452	66079	34725	32858	67583	34254	32684	66938
		2029	33627	32452	66079	34725	32858	67583	34254	32684	66938
	EB Exit to Thompson & WB Ent from McBride	2030	36351	36880	73230	37456	37777	75232	36982	37392	74374
		2031	39074	41307	80381	40186	42695	82881	39709	42100	81810
	EB Ent from & WB Exit to I-81 N	2032	39074	44429	83503	40186	45715	85901	39709	45164	84873
Segment 6		2033	49791	47551	97342	50904	48735	99639	50427	48228	98655
		2034	49791	47551	97342	50904	48735	99639	50427	48228	98655
		2035	49791	47551	97342	50904	48735	99639	50427	48228	98655
		2036	49791	47551	97342	50904	48735	99639	50427	48228	98655
		2037	49791	47551	97342	50904	48735	99639	50427	48228	98655

Estimated AADTs - I-690

I-690 Segment	Existing Feature	Assumed RM	2013 Existing			No Build			2017 Existing		
			EB AADT	WB AADT	AADT	EB AADT	WB AADT	AADT	EB AADT	WB AADT	AADT
Segment 7	EB Exit to Teall Av	2038	49791	47551	97342	50904	48735	99639	50427	48228	98655
	WB Ent from Teall Av	2039	39352	42679	82031	38651	42403	81054	38951	42521	81472
		2040	39352	37807	77159	38651	36070	74721	38951	36814	75766
	WB Exit to Teall Av	2041	39352	37807	77159	38651	36070	74721	38951	36814	75766
	EB Ent from Teall Av	2042	43607	43039	86646	43787	41520	85307	43710	42171	85881
Segment 8		2043	43607	43039	86646	43787	41520	85307	43710	42171	85881
		2044	43607	43039	86646	43787	41520	85307	43710	42171	85881
		2045	43607	43039	86646	43787	41520	85307	43710	42171	85881
		2046	43607	43039	86646	43787	41520	85307	43710	42171	85881
Segment 9	EB Exit to & WB Ent from NY 598	2047	43607	39646	83253	43787	38928	82715	43710	39236	82946
		2048	34864	36253	71117	35618	36336	71954	35295	36300	71595
	EB Ent from NY 598	2049	36753	36253	73006	37125	36336	73461	36966	36300	73266
		2050	37696	36253	73949	37878	36336	74214	37800	36300	74100
		2051	37696	36253	73949	37878	36336	74214	37800	36300	74100
Segment 10	WB Exit to NY 598	2052	37696	38124	75820	37878	38109	75987	37800	38115	75915
		2053	37696	39994	77690	37878	39882	77760	37800	39930	77730
		2054	37696	39994	77690	37878	39882	77760	37800	39930	77730
		2055	37696	39994	77690	37878	39882	77760	37800	39930	77730
		2056	37696	39994	77690	37878	39882	77760	37800	39930	77730
Segment 11	WB Ent from NY 635	2057	37696	29415	67111	37878	29505	67383	37800	29466	67266
	EB Exit to NY 635	2058	28654	18836	47490	28864	19127	47991	28774	19002	47776
		2059	19612	18836	38448	19850	19127	38977	19748	19002	38750
		2060	19612	18836	38448	19850	19127	38977	19748	19002	38750
		3000	19612	18836	38448	19850	19127	38977	19748	19002	38750
		3001	19612	18836	38448	19850	19127	38977	19748	19002	38750
		3002	19612	18836	38448	19850	19127	38977	19748	19002	38750
		3003	19612	18836	38448	19850	19127	38977	19748	19002	38750
	EB Ent from NY 635	3004	21105	18836	39941	21345	19127	40472	21242	19002	40244
	WB Exit to NY 635	3005	22598	22121	44719	22840	22625	45465	22736	22409	45145
		3006	22598	22121	44719	22840	22625	45465	22736	22409	45145
	EB Ent from Bridge St	3007	24328	22121	46449	24549	22625	47174	24454	22409	46863
	WB Exit to Bridge St	3008	26058	27190	53248	26258	28615	54873	26172	28004	54177

Estimated AADTs - I-690

I-690 Segment	Existing Feature	Assumed RM	2013 Existing			No Build			2017 Existing		
			EB AADT	WB AADT	AADT	EB AADT	WB AADT	AADT	EB AADT	WB AADT	AADT
Segment 12		3009	26058	27190	53248	26258	28615	54873	26172	28004	54177
		3010	26058	27190	53248	26258	28615	54873	26172	28004	54177
	WB Ent from I-481 S	3011	26058	21738	47796	26258	22835	49093	26172	22365	48537
		3012	26058	16285	42343	26258	17055	43313	26172	16725	42897
	EB Exit to I-481 N	3013	26058	16285	42343	26258	17055	43313	26172	16725	42897
		3014	14069	16285	30354	14007	17055	31062	14034	16725	30759
		3015	14069	16285	30354	14007	17055	31062	14034	16725	30759
		3016	14069	16285	30354	14007	17055	31062	14034	16725	30759
		3017	14069	16285	30354	14007	17055	31062	14034	16725	30759
		3018	14069	16285	30354	14007	17055	31062	14034	16725	30759
	I-481	3019	14069	16285	30354	14007	17055	31062	14034	16725	30759

Estimated AADTs - I-690

I-690 Segment	Viaduct Feature	Assumed RM	Viaduct			Community Grid Feature	Assumed RM	Community Grid		
			EB AADT	WB AADT	AADT			EB AADT	WB AADT	AADT
Segment 1		2005	43960	35185	79145		2005	39825	35466	75291
	EB Exit to & WB Ent from Hiawatha Blvd	2006	42125	35185	77310	EB Exit to & WB Ent from Hiawatha Blvd	2006	37298	31941	69239
		2007	38450	29111	67561		2007	32235	29679	61914
		2008	38450	29111	67561		2008	32235	29679	61914
	EB Exit to Bear St	2009	38450	29111	67561	EB Exit to Bear St	2009	32235	29679	61914
	WB Ent from Bear St	2010	36421	29111	65532	WB Ent from Bear St	2010	28223	29679	57902
Segment 2		2011	36421	26687	63108		2011	28223	20925	49148
		2012	36421	26687	63108		2012	28223	20925	49148
		2013	36421	26687	63108		2013	28223	20925	49148
		2014	36421	26687	63108		2014	28223	20925	49148
		2015	36421	26687	63108		2015	28223	20925	49148
Segment 3	EB Ent from & WB Exit to Geddes St	2016	45352	30030	75382	EB Ent from & WB Exit to Geddes St	2016	35134	24271	59405
		2017	45352	33373	78725		2017	35134	26796	61930
		2018	45352	33373	78725		2018	35134	26796	61930
Segment 4	EB Exit to & WB Ent from N West St	2019	45352	33373	78725	EB Exit to & WB Ent from N West St	2019	30891	26796	57687
		2020	38539	28886	67425		2020	26648	21953	48601
	EB Exit to I-81 & WB Ent from I-81 S	2021	27735	24786	52521		2021	26648	21953	48601
		2022	16931	22739	39670		2022	26648	21953	48601
	WB Ent from I-81 N	2023	16931	18617	35548		2023	26648	21953	48601
	EB Ent from & WB Exit to N West St	2024	18132	18014	36146	EB Ent from & WB Exit to N West St	2024	29750	21953	51703
		2025	19333	21534	40867		2025	32851	30219	63070
Segment 5	WB Exit to I-81 N	2026	19333	25505	44838	EB Ent from I-81 S	2026	41628	30219	71847
		2027	19333	29475	48808	WB Exit to I-81 N	2027	50404	46290	96694
	EB Ent form I-81 S	2028	25286	29475	54761		2028	50404	54313	104717
		2029	31239	29475	60714	EB Exit to Irving Av	2029	46345	54313	100658
	EB Ent from I-81 N	2030	39951	29475	69426	WB Ent from Irving Av / Crouse Av	2030	38216	46584	84800
		2031	44300	29475	73775		2031	39074	38855	77929
		2032	44300	29475	73775		2032	39074	38855	77929
Segment 6	EB Ent from Almond St	2033	50/50	29475	29475		2033	39074	38855	77929
	WB Exit to I-81 S / Almond St	2034	51355	41875	93230		2034	39074	38855	77929
		2035	51355	48066	99421	EB Ent from & WB Exit to Crouse Av	2035	42945	43758	86703
		2036	51355	48066	99421		2036	46816	48661	95477
		2037	51355	48066	99421		2037	46816	48661	95477

Estimated AADTs - I-690

I-690 Segment	Viaduct Feature	Assumed RM	Viaduct			Community Grid Feature	Assumed RM	Community Grid		
			EB AADT	WB AADT	AADT			EB AADT	WB AADT	AADT
Segment 7	EB Exit to Teall Av	2038	51355	48066	99421	EB Exit to Teall Av	2038	49791	48661	98452
	WB Ent from Teall Av	2039	36710	41721	78431	WB Ent from Teall Av	2039	36361	43544	79905
		2040	36710	35375	72085		2040	36361	38426	74787
	WB Exit to Teall Av	2041	36710	35375	72085	WB Exit to Teall Av	2041	36361	38426	74787
	EB Ent from Teall Av	2042	42632	41184	83816	EB Ent from Teall Av	2042	42495	45194	87689
Segment 8		2043	42632	41184	83816		2043	42495	45194	87689
		2044	42632	41184	83816		2044	42495	45194	87689
		2045	42632	41184	83816		2045	42495	45194	87689
		2046	42632	41184	83816		2046	42495	43039	85534
Segment 9	EB Exit to & WB Ent from NY 598	2047	42632	39646	82278	EB Exit to & WB Ent from NY 598	2047	42495	41813	84308
		2048	34549	36095	70644		2048	36425	40587	77012
	EB Ent from NY 598	2049	36271	36095	72366	EB Ent from NY 598	2049	38546	40587	79133
		2050	37130	36095	73225		2050	39605	40587	80192
		2051	37130	36095	73225		2051	39605	40587	80192
	WB Exit to NY 598	2052	37130	37782	74912	WB Exit to NY 598	2052	39605	42571	82176
Segment 10		2053	37130	39468	76598		2053	39605	44555	84160
		2054	37130	39468	76598		2054	39605	44555	84160
		2055	37130	39468	76598		2055	39605	44555	84160
		2056	37130	39468	76598		2056	39605	44555	84160
Segment 11	WB Ent from NY 635	2057	37130	29142	66272	WB Ent from NY 635	2057	31763	34350	66113
	EB Exit to NY 635	2058	28184	18815	46999	EB Exit to NY 635	2058	23921	24145	48066
		2059	19238	18815	38053		2059	23921	24145	48066
		2060	19238	18815	38053		2060	23921	24145	48066
		3000	19238	18815	38053		3000	23921	24145	48066
		3001	19238	18815	38053		3001	23921	24145	48066
		3002	19238	18815	38053		3002	23921	24145	48066
		3003	19238	18815	38053		3003	23921	24145	48066
	EB Ent from NY 635	3004	20672	18815	39487	EB Ent from NY 635	3004	25683	24145	49828
	WB Exit to NY 635	3005	22105	22245	44350	WB Exit to NY 635	3005	27444	28803	56247
		3006	22105	22245	44350		3006	27444	28803	56247
	EB Ent from Bridge St	3007	36813	22245	59058	EB Ent from Bridge St	3007	27444	28803	56247
	WB Exit to Bridge St	3008	25760	28348	54108	WB Exit to Bridge St	3008	31128	33960	65088
		3009	25760	28348	54108		3009	31128	33960	65088
Segment 12		3010	25760	28348	54108		3010	31128	33960	65088
	WB Ent from I-481 S	3011	25760	22751	48511	WB Ent from I-481 S	3011	31128	28131	59259
		3012	25760	17153	42913		3012	31128	22302	53430
	EB Exit to I-481 N	3013	25760	17153	42913	EB Exit to I-481 N	3013	31128	22302	53430
		3014	13895	17153	31048		3014	19010	16285	35295
		3015	13895	17153	31048		3015	19010	16285	35295
		3016	13895	17153	31048		3016	19010	16285	35295
		3017	13895	17153	31048		3017	19010	16285	35295
		3018	13895	17153	31048		3018	19010	16285	35295

Estimated AADTs - I-690

I-690 Segment	Viaduct Feature	Assumed RM	Viaduct			Community Grid Feature	Assumed RM	Community Grid		
			EB AADT	WB AADT	AADT			EB AADT	WB AADT	AADT
	I-481	3019	13895	17153	31048	I-481	3019	19010	16285	35295

Estimated AADTs - I-690

I-690 Segment	2013 Existing			No Build			2017 Existing		
	EB AADT	WB AADT	AADT	EB AADT	WB AADT	AADT	EB AADT	WB AADT	AADT
Segment 1	32520	30530	63050	34210	31630	65840	33490	31160	64650
Segment 2	27540	28360	55900	29280	29510	58790	28530	29010	57540
Segment 3	32040	26660	58700	34970	27840	62810	33710	27330	61040
Segment 4	28710	25430	54140	30830	26630	57460	29920	26110	56030
Segment 5	33300	24200	57500	34280	25410	59690	33860	24890	58750
Segment 6	49790	22970	72760	50900	24200	75100	50430	23680	74110
Segment 7	42290	22170	64460	42130	23440	65570	42200	22900	65100
Segment 8	43610	23010	66620	43790	24340	68130	43710	23770	67480
Segment 9	38050	23850	61900	38360	25250	63610	38230	24650	62880
Segment 10	37700	24690	62390	37880	26150	64030	37800	25520	63320
Segment 11	23130	24670	47800	23360	26050	49410	23260	25450	48710
Segment 12	19520	24640	44160	19580	25940	45520	19550	25380	44930

I-690 Segment	Viaduct			Community Grid		
	EB AADT	WB AADT	AADT	EB AADT	WB AADT	AADT
Segment 1	39640	31140	70780	33680	31020	64700
Segment 2	36420	29720	66140	28220	28600	56820
Segment 3	45350	28300	73650	35130	26760	61890
Segment 4	29850	27900	57750	28910	25300	54210
Segment 5	30380	27500	57880	42250	23840	66090
Segment 6	51360	27090	78450	42950	22380	65330
Segment 7	40820	27240	68060	40270	21480	61750
Segment 8	42630	28360	70990	42500	22460	64960
Segment 9	37470	29470	66940	39380	23440	62820
Segment 10	37130	30590	67720	39610	24420	64030
Segment 11	23710	30950	54660	26030	24590	50620
Segment 12	19290	30640	49930	24520	24760	49280

Estimated AADTs - Local Streets

Cells filled in black indicate an intersection that does not exist within the alternative.

ID	Intersection Name	Intersection AADT							
		Existing 2013	No Build		Existing 2017	Viaduct		Community Grid	
			Raw	Rounded		Raw	Rounded	Raw	Rounded
D-1	N. West St. at NY 5/W. Genesee St.	14084	14843	14840	14520	31359	31360	38881	38880
D-10	Wallace St. at NY 5/W. Genesee St.	14007	14789	14789	14450	14683	14680	15503	15500
D-11	N. Franklin St. /Butternut St. at N. Franklin St.	17183	17864	17864	17570	5231	5230	6698	6700
D-12	N. Franklin St. at Herald Pl	13392	13720	13720	13580	8895	8900	10419	10420
D-13	N. Franklin St. at NY 5/W. Genesee St.	20331	21129	21129	20790	21783	21780	23486	23490
D-19	N. Clinton St. at Webster Landing	4497	4132	4132	4290			9093	9090
D-21	N. Clinton St. at NY 5/W. Genesee St.	19682	19090	19090	19340	21549	21550	22870	22870
D-24	S. Clinton St. at W. Washington St.	10825	10393	10393	10580	11444	11440	12487	12490
D-25	S. Clinton St. at W. Fayette St.	11774	12197	12197	12020	12340	12340	15065	15070
D-27	S. Clinton St. at W. Onondaga St.	10605	10791	10791	10710	11057	11060	14142	14140
D-28	S. Clinton St. at W. Adams St.	11443	11641	11641	11560	12346	12350	15461	15460
D-32	N. Salina St. at Herald Pl	14373	14492	14492	14440	13880	13880	14928	14930
D-34	N. Salina St. at NY 5/W. Genesee St./James St.	22798	22206	22206	22460	21611	21610	22050	22050
D-36	S. Salina St. at E./W. Washington St.	13272	12105	12105	12610	12303	12300	14406	14410
D-37	S. Salina St. at E./W. Fayette St.	14195	13651	13651	13880	13714	13710	16530	16530
D-39	S. Salina St. at Harrison St. and Onondaga St.	13478	12728	12728	13050	13401	13400	17268	17270
D-40	S. Salina St. at E./W. Adams St.	17366	16937	16937	17120	17688	17690	19920	19920
D-46	Pearl St. at Hickory St.	8981	6913	6913	7800	8228	8230	15037	15040
D-47	Pearl St. at E. Willow St.	7756	7119	7119	7390	7619	7620	12004	12000
D-48	N. Warren St. at E. Willow St.	5785	5690	5690	5730	6258	6260	3153	3150
D-49	N. Warren St. at NY 5/James St.	17076	16880	16880	16960	15735	15740	12168	12170

Estimated AADTs - Local Streets

Cells filled in black indicate an intersection that does not exist within the alternative.

ID	Intersection Name	Intersection AADT							
		Existing 2013	No Build		Existing 2017	Viaduct		Community Grid	
			Raw	Rounded		Raw	Rounded	Raw	Rounded
D-50	N. Warren St. at E. Erie Blvd.	6428	6671	6671	6570	6012	6010	11713	11710
D-56	S. Warren St. at Harrison St.	9052	9108	9108	9080	9343	9340	9722	9720
D-57	S. Warren St. at E. Adams St.	13189	13184	13184	13190	13644	13640	13854	13850
D-58	Oswego Blvd. at James St.	13839	13684	13684	13750	13271	13270	13200	13200
D-59	NY 5/Oswego Blvd./ at Montgomery St.	6196	6255	6255	6230	5982	5980	9457	9460
D-66	Montgomery St. at Harrison St.	8555	8508	8508	8530	8592	8590	10051	10050
D-67	Montgomery St. at E. Adams St.	12330	12261	12261	12290	12670	12670	11679	11680
D-68	US 11/N. State St. at Hickory St.	5922	5024	5024	5410	4136	4140	3924	3920
D-69	US 11/N. State St. at E. Willow St.	10266	9685	9685	9930	8975	8980	8906	8910
D-71	US 11/S. State St. at NY 5/Erie Blvd. E.	16372	16774	16774	16600	15881	15880	22349	22350
D-73	US 11/S. State St. at E. Washington St.	11761	12186	12186	12000	11665	11670	15716	15720
D-78	US 11/S. State St. at Harrison St.	11060	11654	11654	11400	13505	13510	16193	16190
D-79	US 11/S. State St. at E. Adams St.	15852	16236	16236	16070	16807	16810	17367	17370
D-83	N. Townsend St. at Westbound I-690 off-ramp	45062	13371	13371	26950				
D-84	N./S. Townsend St. at NY 5/Erie Blvd. E.	20491	21343	21343	20980	18657	18660	18068	18070
D-86	S. Townsend St. at E. Washington St.	13273	13697	13697	13520	12679	12680	15018	15020
D-87	S. Townsend St. at E. Fayette St.	14652	15114	15114	14920	15037	15040	17583	17580
D-88	S. Townsend St. at NY 92/E. Genesee St.	15385	15768	15768	15600	16249	16250	18637	18640
D-89	S. Townsend St. at Harrison St.	16967	17663	17663	17360	21158	21160	21192	21190
D-90	S. Townsend St. at E. Adams St.	19578	19902	19902	19760	19203	19200	20407	20410
D-92	N. McBride St. at EB I-690 On-ramp	7073	7253	7253	7180				
D-93	N./S. McBride St. at NY 5/Erie Blvd. E.	12896	13293	13293	13120	13664	13660	11544	11540
D-99	Catherine St. at Burnet Ave.	5989	6820	6820	6460	6319	6320	9335	9340
D-100	Almond St./Catherine St. at NY 5/Erie Blvd. E.	12835	13166	13166	13020	21116	21120	22505	22510
D-101	Almond St. at E. Water St.	7711	7723	7723	7720	10512	10510	16077	16080
D-102	Almond St. at E. Washington St.	8247	8508	8508	8400	11610	11610	17747	17750

Estimated AADTs - Local Streets

Cells filled in black indicate an intersection that does not exist within the alternative.

ID	Intersection Name	Intersection AADT							
		Existing 2013	No Build		Existing 2017	Viaduct		Community Grid	
			Raw	Rounded		Raw	Rounded	Raw	Rounded
D-103	Almond St. at E. Fayette St.	10995	11305	11305	11170	13125	13130	19625	19630
D-104	Almond St. at NY 92/E. Genesee St.	19150	19382	19382	19280	18172	18170	24063	24060
D-105	Almond St. at Southbound I-81 Off-Ramp	12527	12900	12900	12740	12564	12560		
D-106	Harrison St. at Southbound I-81 Off-Ramp	10213	10303	10303	10260	14451	14450		
D-107	Almond St. at Harrison St.	43592	43727	43727	43670	39068	39070	29537	29540
D-108	Almond St. at E. Adams St.	41803	41934	41934	41880	34783	34780	26349	26350
D-109	Almond St. at Burt St.	8543	8681	8681	8620	7750	7750	16830	16830
D-110	Almond St. at Van Buren St.	8300	9357	9357	8900	10229	10230	23332	23330
D-118	West St. at Westbound I-690 Ramps					11466	11470	12781	12780
D-119	West St. at Eastbound I-690 Ramps					20648	20650	27469	27470
D-120	Southbound I-81 Off-ramp and Willow St.							8815	8820
D-121	Pearl St. at James St.							12686	12690
D-122	Almond St. and MLK Jr. E.							24833	24830
D-123	Catherine St. at Westbound I-690 Off-Ramp					13559	13560		
D-124	Catherine St. at Eastbound I-690 On-ramp					16605	16610		
D-125	MLK Jr. E.. at Southbound I-81 On-Ramp					3744	3740		
D-126	MLK Jr. E. at Northbound I-81 Off-Ramp					8284	8280		
D-127	BL-81 Ramps at East Glen Avenue							14378	14380
D-128	E Brighton at New Connecting Rd.							19838	19840
D-139	Salina St. at SB I-81 Exit 19 Off-ramp	10959	11240	11240	11120				
U-1	N. Crouse Ave. at Burnet Ave.	6434	6353	6350	6390	6332	6330	9945	9950
U-10	N./S. Crouse Ave. at Erie Blvd. E.	11808	12398	12400	12150	12396	12400	25561	25560
U-19	S. Crouse Ave. at E. Water St.	5500	4950	4950	5190	4719	4720	11900	11900
U-24	Irving Ave. at E. Fayette St.	6942	7117	7120	7040	6745	6750	17079	17080
U-25	S. Crouse Ave. at E. Fayette St.	7674	7875	7880	7790	8025	8030	13634	13630
U-31	Irving Ave. at NY 92/E. Genesee St.	13369	13146	13150	13240	12800	12800	20452	20450

Estimated AADTs - Local Streets

Cells filled in black indicate an intersection that does not exist within the alternative.

ID	Intersection Name	Intersection AADT							
		Existing 2013	No Build		Existing 2017	Viaduct		Community Grid	
			Raw	Rounded		Raw	Rounded	Raw	Rounded
U-32	S. Crouse Ave. at NY 92/E. Genesee St.	11036	10962	10960	10990	10724	10720	15739	15740
U-41	Sarah Loguen Dr. at Harrison St.	15845	15569	15570	15690	16779	16780	14164	14160
U-42	Elizabeth Blackwell Dr. at Harrison St.	12784	12160	12160	12430	14044	14040	11838	11840
U-43	Irving Ave. at Harrison St.	16382	16078	16080	16210	16153	16150	19607	19610
U-44	S. Crouse Ave. at Harrison St.	7888	8130	8130	8030	7194	7190	10926	10930
U-51	Irving Ave. at E. Adams St.	16172	16201	16200	16190	16191	16190	16892	16890
U-52	S. Crouse Ave. at E. Adams St.	7643	7828	7830	7750	7145	7150	7891	7890
U-56	Irving Ave. at Waverly Ave.	9676	9745	9750	9720	12779	12780	12039	12040
U-57	S. Crouse Ave. at Waverly Ave.	9049	9066	9070	9060	8469	8470	9445	9450
U-62	Irving Ave. at University Pl	13696	14150	14150	13960	13298	13300	13687	13690
U-63	Irving Ave. at Van Buren St.	8451	10259	10260	9480	12779	12780	13506	13510
U-68	Crouse Ave. at Westbound I-690							17336	17340
U-69	Crouse Ave. at Eastbound I-690							19511	19510
U-70	Irving Ave. at Erie Blvd.							29923	29920
U-71	Irving Ave. at Water St.							12379	12380
W-1	Southbound I-81 On-Ramp/Genant Dr. at Bear St.	17437	17854	17850	17680	13744	13740	19911	19910
W-3	Southbound I-81 Off-Ramp/Genant Dr. at Spencer St.	11849	11820	11820	11830	5937	5940	4505	4510
W-4	Solar St. at Hiawatha Blvd. W.	36146	37294	37290	36800	31012	31010	39285	39290
W-5	Spencer St. at Hiawatha Blvd. W.	43802	44992	44990	44480	36245	36250	46501	46500
W-6	I-690 East Off-Ramp at Hiawatha Blvd. W.	25458	26171	26170	25870	22189	22190	27146	27150
W-9	Spencer St. at Bear St./I-690 Ramps	16241	16275	16280	16260	11445	11450	18344	18340
W-12	N. Geddes St. at Westbound I-690 Off-Ramp	13374	14163	14160	13820	13960	13960	15316	15320
W-13	N. Geddes St. at Edison St.	15208	17073	17070	16270	20444	20440	19758	19760
W-15	N. Geddes St. at NY 5/W. Genesee St.	22092	24996	25000	23750	27755	27760	27579	27580
W-17	N. Geddes St. at Wilkinson St.	10733	12217	12220	11580	15163	15160	15693	15690
W-19	N./S. Geddes St. at Erie Blvd. W.	21402	21920	21920	21700	24153	24150	24813	24810

Estimated AADTs - Local Streets

Cells filled in black indicate an intersection that does not exist within the alternative.

ID	Intersection Name	Intersection AADT							
		Existing 2013	No Build		Existing 2017	Viaduct		Community Grid	
			Raw	Rounded		Raw	Rounded	Raw	Rounded
W-20	S. Geddes St. at W. Fayette St.	27533	29040	29040	28390	27810	27810	29453	29450
W-21	S. Geddes St. at Marcellus St.	19902	21131	21130	20600	20451	20450	22033	22030
W-22	S. Geddes St. at Otisco St.	19474	20635	20640	20140	19939	19940	21450	21450
W-23	S. Geddes St. at Gifford St.	21329	22314	22310	21890	21632	21630	22965	22970
W-24	S. Geddes St. at Seymour St.	23806	24684	24680	24310	23965	23970	25945	25950
W-25	S. Geddes St. at Grand Ave./Shonnard St.	11283	22982	22980	17970	22327	22330	24200	24200

Attachment D

January 2015-December 2016 Average Accident Costs/Severity Distribution State Highways

NYSDOT-Safety Information Management System AVERAGE ACCIDENT COSTS/SEVERITY DISTRIBUTION STATE HIGHWAYS 2016

Includes period from JAN-01-2015 - DEC-31-2016

Classification**					Accident Severity Distribution (percent)				Average Accident Costs				
					Fatal	Injury	Fatal/Injury	PDO*	Fatal	Injury	Fatal/Injury	PDO*	Average*
1	L	FULL ACCESS, RURAL, DIVIDED, 4 LANE			0.40	12.53	12.93	87.07	4,204,100	91,500	220,200	5,200	33,000
2	A	FULL ACCESS, RURAL, DIVIDED, 4 LANE			0.43	12.70	13.13	86.87	4,127,100	91,300	223,400	5,200	33,800
3	L	FULL ACCESS, RURAL, DIVIDED, 5 LANE			0.40	12.53	12.93	87.07	4,204,100	91,500	220,200	5,200	33,000
4	A	FULL ACCESS, RURAL, DIVIDED, 5 LANE			0.43	12.70	13.13	86.87	4,127,100	91,300	223,400	5,200	33,800
5	L	FULL ACCESS, RURAL, DIVIDED, 6 LANE			0.40	12.53	12.93	87.07	4,204,100	91,500	220,200	5,200	33,000
6	A	FULL ACCESS, RURAL, DIVIDED, 6 LANE			0.43	12.70	13.13	86.87	4,127,100	91,300	223,400	5,200	33,800
7	L	FULL ACCESS, RURAL, DIVIDED, ALL LANES			0.40	12.53	12.93	87.07	4,204,100	91,500	220,200	5,200	33,000
8	A	FULL ACCESS, RURAL, DIVIDED, ALL LANES			0.43	12.70	13.13	86.87	4,127,100	91,300	223,400	5,200	33,800
9	L	FULL ACCESS, RURAL, UNDIVIDED, 2 LANE			0.47	17.76	18.23	81.78	4,865,800	88,900	211,400	5,200	42,800
10	A	FULL ACCESS, RURAL, UNDIVIDED, 2 LANE			0.37	20.00	20.37	79.63	4,865,800	94,400	181,900	5,200	41,200
11	L	FULL ACCESS, RURAL, UNDIVIDED, ALL LANES			0.47	17.76	18.23	81.78	4,865,800	88,900	211,400	5,200	42,800
12	A	FULL ACCESS, RURAL, UNDIVIDED, ALL LANES			0.37	20.00	20.37	79.63	4,865,800	94,400	181,900	5,200	41,200
13	L	FULL ACCESS, URBAN, DIVIDED, 4 LANE			0.26	29.17	29.43	70.57	3,724,800	93,100	125,200	3,800	39,500
14	A	FULL ACCESS, URBAN, DIVIDED, 4 LANE			0.26	29.04	29.30	70.70	3,712,400	92,900	125,300	3,800	39,400
15	L	FULL ACCESS, URBAN, DIVIDED, 5 LANE			0.26	29.17	29.43	70.57	3,724,800	93,100	125,200	3,800	39,500
16	A	FULL ACCESS, URBAN, DIVIDED, 5 LANE			0.26	29.04	29.30	70.70	3,712,400	92,900	125,300	3,800	39,400
17	L	FULL ACCESS, URBAN, DIVIDED, 6 LANE			0.26	29.17	29.43	70.57	3,724,800	93,100	125,200	3,800	39,500
18	A	FULL ACCESS, URBAN, DIVIDED, 6 LANE			0.26	29.04	29.30	70.70	3,712,400	92,900	125,300	3,800	39,400
19	L	FULL ACCESS, URBAN, DIVIDED, 7 LANE			0.26	29.17	29.43	70.57	3,724,800	93,100	125,200	3,800	39,500
20	A	FULL ACCESS, URBAN, DIVIDED, 7 LANE			0.26	29.04	29.30	70.70	3,712,400	92,900	125,300	3,800	39,400
21	L	FULL ACCESS, URBAN, DIVIDED, ALL LANES			0.26	29.17	29.43	70.57	3,724,800	93,100	125,200	3,800	39,500
22	A	FULL ACCESS, URBAN, DIVIDED, ALL LANES			0.26	29.04	29.30	70.70	3,712,400	92,900	125,300	3,800	39,400
23	L	FULL ACCESS, URBAN, UNDIVIDED, ALL LANES			0.83	22.15	22.98	77.02	3,291,500	87,700	203,600	3,800	49,700
24	A	FULL ACCESS, URBAN, UNDIVIDED, ALL LANES			0.73	24.03	24.76	75.25	3,276,900	86,200	179,900	3,800	47,400
25	L	PARTIAL ACCESS, RURAL, DIVIDED, 4 LANES			0.44	18.86	19.30	80.70	3,318,400	93,000	166,300	5,200	36,300
26	A	PARTIAL ACCESS, RURAL, DIVIDED, 4 LANES			0.41	19.15	19.56	80.43	3,318,400	92,200	160,500	5,200	35,600

* Includes Both Reportable and Non-Reportable Accidents

** A= All Accidents, L= Non-Intersection Accidents, I= Intersection Accidents

NYSDOT-Safety Information Management System AVERAGE ACCIDENT COSTS/SEVERITY DISTRIBUTION STATE HIGHWAYS 2016

Includes period from JAN-01-2015 - DEC-31-2016

Classification**					Accident Severity Distribution (percent)				Average Accident Costs				
					Fatal	Injury	Fatal/Injury	PDO*	Fatal	Injury	Fatal/Injury	PDO*	Average*
53	L	FREE ACCESS, RURAL, UNDIVIDED, 4 LANES			0.40	14.46	14.86	85.14	3,532,500	88,200	181,900	5,200	31,500
54	A	FREE ACCESS, RURAL, UNDIVIDED, 4 LANES			0.43	16.01	16.44	83.56	3,493,400	90,500	179,700	5,200	33,900
55	L	FREE ACCESS, RURAL, UNDIVIDED, ALL LANES			0.40	14.46	14.86	85.14	3,532,500	88,200	181,900	5,200	31,500
56	A	FREE ACCESS, RURAL, UNDIVIDED, ALL LANES			0.43	16.01	16.44	83.56	3,493,400	90,500	179,700	5,200	33,900
57	L	FREE ACCESS, URBAN, DIVIDED, 2 LANES			0.26	25.10	25.36	74.64	3,355,600	91,400	124,900	3,800	34,500
58	A	FREE ACCESS, URBAN, DIVIDED, 2 LANES			0.25	25.86	26.11	73.89	3,368,700	92,000	123,100	3,800	34,900
59	L	FREE ACCESS, URBAN, DIVIDED, 4 LANES			0.26	25.10	25.36	74.64	3,355,600	91,400	124,900	3,800	34,500
60	A	FREE ACCESS, URBAN, DIVIDED, 4 LANES			0.25	25.86	26.11	73.89	3,368,700	92,000	123,100	3,800	34,900
61	L	FREE ACCESS, URBAN, DIVIDED, 6 LANES			0.26	25.10	25.36	74.64	3,355,600	91,400	124,900	3,800	34,500
62	A	FREE ACCESS, URBAN, DIVIDED, 6 LANES			0.25	25.86	26.11	73.89	3,368,700	92,000	123,100	3,800	34,900
63	L	FREE ACCESS, URBAN, DIVIDED, 7 LANES			0.26	25.10	25.36	74.64	3,355,600	91,400	124,900	3,800	34,500
64	A	FREE ACCESS, URBAN, DIVIDED, 7 LANES			0.25	25.86	26.11	73.89	3,368,700	92,000	123,100	3,800	34,900
65	L	FREE ACCESS, URBAN, DIVIDED, ALL LANES			0.26	25.10	25.36	74.64	3,355,600	91,400	124,900	3,800	34,500
66	A	FREE ACCESS, URBAN, DIVIDED, ALL LANES			0.25	25.86	26.11	73.89	3,368,700	92,000	123,100	3,800	34,900
67	L	FREE ACCESS, URBAN, UNDIVIDED, 2 LANES			0.31	21.76	22.07	77.93	3,457,500	90,400	137,900	3,800	33,400
68	A	FREE ACCESS, URBAN, UNDIVIDED, 2 LANES			0.26	23.20	23.46	76.53	3,456,100	90,700	128,600	3,800	33,100
69	L	FREE ACCESS, URBAN, UNDIVIDED, 3 LANES			0.31	21.76	22.07	77.93	3,457,500	90,400	137,900	3,800	33,400
70	A	FREE ACCESS, URBAN, UNDIVIDED, 3 LANES			0.26	23.20	23.46	76.53	3,456,100	90,700	128,600	3,800	33,100
71	L	FREE ACCESS, URBAN, UNDIVIDED, 4 LANES			0.31	21.76	22.07	77.93	3,457,500	90,400	137,900	3,800	33,400
72	A	FREE ACCESS, URBAN, UNDIVIDED, 4 LANES			0.26	23.20	23.46	76.53	3,456,100	90,700	128,600	3,800	33,100
73	L	FREE ACCESS, URBAN, UNDIVIDED, ALL LANES			0.31	21.76	22.07	77.93	3,457,500	90,400	137,900	3,800	33,400
74	A	FREE ACCESS, URBAN, UNDIVIDED, ALL LANES			0.26	23.20	23.46	76.53	3,456,100	90,700	128,600	3,800	33,100
75	I	3 LEG, RURAL, SIGNAL, ALL LANES			0.34	19.62	19.96	80.04	3,247,100	93,600	147,100	5,200	33,500
76	I	3 LEG, RURAL, SIGN, ALL LANES			0.34	19.62	19.96	80.04	3,247,100	93,600	147,100	5,200	33,500
77	I	3 LEG, RURAL, NONE, ALL LANES			0.34	19.62	19.96	80.04	3,247,100	93,600	147,100	5,200	33,500
78	I	3 LEG, URBAN, SIGNAL, 1-4 LANES			0.26	26.48	26.74	73.27	3,482,500	91,600	123,900	3,800	35,900

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NYSDOT-Safety Information Management System AVERAGE ACCIDENT COSTS/SEVERITY DISTRIBUTION STATE HIGHWAYS 2016

Includes period from JAN-01-2015 - DEC-31-2016

Classification**				Accident Severity Distribution (percent)				Average Accident Costs				
				Fatal	Injury	Fatal/Injury	PDO*	Fatal	Injury	Fatal/Injury	PDO*	Average*
79	I	3	LEG, URBAN, W/ LEFT TURN, SIGNAL, 5& > LANE	0.26	26.48	26.74	73.27	3,482,500	91,600	123,900	3,800	35,900
80	I	3	LEG, URBAN, NO LEFT TURN, SIGNAL, 5& > LANE	0.26	26.48	26.74	73.27	3,482,500	91,600	123,900	3,800	35,900
81	I	3	LEG URBAN, SIGN, 1-3 LANES	0.26	26.48	26.74	73.27	3,482,500	91,600	123,900	3,800	35,900
82	I	3	LEG URBAN, SIGN, 4 LANES	0.26	26.48	26.74	73.27	3,482,500	91,600	123,900	3,800	35,900
83	I	3	LEG URBAN, SIGN, 5 OR MORE LANES	0.26	26.48	26.74	73.27	3,482,500	91,600	123,900	3,800	35,900
84	I	3	LEG URBAN, NONE, ALL LANES	0.26	26.48	26.74	73.27	3,482,500	91,600	123,900	3,800	35,900
85	I	4& >	LEGS, RURAL, SIGNAL, ALL LANES	0.89	27.67	28.56	71.43	3,455,400	102,200	207,200	5,200	62,900
86	I	4& >	LEGS, RURAL, SIGN, ALL LANES	0.89	27.67	28.56	71.43	3,455,400	102,200	207,200	5,200	62,900
87	I	4& >	LEGS, RURAL, NONE, ALL LANES	0.89	27.67	28.56	71.43	3,455,400	102,200	207,200	5,200	62,900
88	I	4& >	LEGS, URBAN, SIGNAL, 1-4 LANES	0.17	26.23	26.40	73.60	3,430,100	92,500	113,700	3,800	32,800
89	I	4& >	LEGS, URBAN, LEFT TURN, SIGNAL, 5& >LANE	0.17	26.23	26.40	73.60	3,430,100	92,500	113,700	3,800	32,800
90	I	4& >	LEGS, URBAN, NO LEFT , SIGNAL, 5& >LANE	0.17	26.23	26.40	73.60	3,430,100	92,500	113,700	3,800	32,800
91	I	4& >	LEGS, URBAN, SIGN, 1-3 LANES	0.17	26.23	26.40	73.60	3,430,100	92,500	113,700	3,800	32,800
92	I	4& >	LEGS, URBAN, SIGN, 4 OR MORE LANES	0.17	26.23	26.40	73.60	3,430,100	92,500	113,700	3,800	32,800
93	I	4& >	LEGS, URBAN, NONE, ALL LANES	0.17	26.23	26.40	73.60	3,430,100	92,500	113,700	3,800	32,800
94	I		ON RAMP, RURAL, ALL CNTLS, MERGE W/1 LANE	0.75	15.67	16.42	83.58	3,287,200	82,400	228,100	5,200	41,800
95	I		ON RAMP, RURAL, ALL CNTLS, MERGE W/2& > LANE	0.75	15.67	16.42	83.58	3,287,200	82,400	228,100	5,200	41,800
96	I		ON RAMP, URBAN, ALL CNTLS, MERGE W/1 LANE	0.16	27.60	27.76	72.23	3,265,000	90,400	109,000	3,800	33,000
97	I		ON RAMP, URBAN, ALL CNTLS, MERGE W/2 LANES	0.16	27.60	27.76	72.23	3,265,000	90,400	109,000	3,800	33,000
98	I		ON RAMP, URBAN, ALL CNTLS, MERGE W/3& > LANE	0.16	27.60	27.76	72.23	3,265,000	90,400	109,000	3,800	33,000
99	I		OFF RAMP, RURAL, ALL CNTLS, MERGE W/1 LANE	0.75	15.67	16.42	83.58	3,287,200	82,400	228,100	5,200	41,800
100	I		OFF RAMP, RURAL, ALL CNTLS, MERGE W/2&> LANE	0.75	15.67	16.42	83.58	3,287,200	82,400	228,100	5,200	41,800
101	I		OFF RAMP, URBAN, ALL CNTLS, MERGE W/1 LANE	0.16	27.60	27.76	72.23	3,265,000	90,400	109,000	3,800	33,000
102	I		OFF RAMP, URBAN, ALL CNTLS, MERGE W/2 LANES	0.16	27.60	27.76	72.23	3,265,000	90,400	109,000	3,800	33,000
103	I		OFF RAMP, URBAN, ALL CNTLS, MERGE W/3&> LANE	0.16	27.60	27.76	72.23	3,265,000	90,400	109,000	3,800	33,000

* Includes Both Reportable and Non-Reportable Accidents

** A= All Accidents, L= Non-Intersection Accidents, I= Intersection Accidents

Attachment E

Crash Total and Crash Reduction Factor Estimation

Crash Total and Crash Reduction Factor Estimation

Crash estimation was performed for intersections and freeway segments that would be substantially modified from their existing condition, as well as new intersections/segments created by a proposed alternative. In addition, crash reduction factors were developed for proposed improvements for which a review of available crash reduction factors did not identify an applicable factor for the improvement.

For each crash reduction factor, segment, or intersection listed, the latest statewide averages for similar facilities are used. These rates were obtained from the NYSDOT Highway Safety website for the period from January 1, 2015 to December 31, 2016. Within this report, crashes for segments are provided in crashes per million vehicle miles (crashes/MVM), while for intersections, crash rates are provided in crashes per million entering vehicles (crashes/MEV).

Crash Reduction Factor Estimation

CRF for adding a new entrance, exit ramp, or weaving area

For a full-access, urban, all lanes facility, the statewide average crash rate for mainline crashes only is 1.12 crashes/MVM), while the statewide average for mainline and juncture crashes is 1.22 crashes per MVM. An estimated average crash reduction factor is estimated by the following equation:

The estimated number of crashes for a facility are estimated by the following equation:

$$\text{Crash Reduction Factor} = \frac{\text{Mainline Only Crash Rate} - \text{Mainline and Juncture Crash Rate}}{\text{Mainline Only Crash Rate}}$$

$$\text{Crash Reduction Factor} = \frac{1.12 \text{ crashes/MVM} - 1.22 \text{ crashes/MVM}}{1.12 \text{ crashes / MVM}} = -0.089 \text{ or } -9\%$$

CRF for eliminating a new entrance, exit ramp, or weaving area

For a full-access, urban, all lanes facility, the statewide average crash rate for mainline crashes only is 1.12 crashes per million vehicle miles (MVM), while the statewide average for mainline and juncture crashes is 1.22 crashes per MVM. An estimated average crash reduction factor is estimated by the following equation:

$$\text{Crash Reduction Factor} = \frac{1.22 \text{ crashes/MVM} - 1.12 \text{ crashes/MVM}}{1.22 \text{ crashes/MVM}} = 0.082 \text{ or } 8\%$$

CRF for modifying a one-way urban road to a two-way road

An investigation of the NYSDOT Posted Implementation Evaluation System (PIES) Report, Highway Safety Manual (HSM), and Crash Modification Factors (CMF) Clearinghouse did not reveal any CRF for modifying an existing urban one-way street from two-way to one-way operation. A survey of research documentation identified the article “Safety of One-Way Urban Streets” within *Transportation Research Record Report 1270*. This study identifies before and after crash rates for a one-way to two-way conversion along roadways within a central business direction. The study found that on two-way roadways the crash rate per million vehicle-kilometers (MVK) was 0.15 crashes/MVK while for a one-way road it was 0.18 crashes/MVK. Using a similar formula to the previously developed CRFs, a CRF for a one-way to two-way conversion within an urban area is estimated to be:

$$\text{Crash Reduction Factor} = \frac{0.18 \text{ crashes/MVK} - 0.15 \text{ crashes/MVK}}{0.18 \text{ crashes/MVK}} = 0.167 \text{ or } 17\%$$

CRF for Eliminating a Median

For a free access controlled all lanes highway, the statewide average crash rate for an undivided roadway is 3.95 crashes/MVM, while for a divided highway it is 4.7 crashes/MVM. An estimated CRF is estimated as by the following calculation:

$$\text{Crash Reduction Factor} = \frac{4.7 \text{ crashes/MVM} - 3.95 \text{ crashes/MVM}}{4.7 \text{ crashes/MVM}} = 0.159 \text{ or } 16\%$$

CRF for Modifying a Four-Leg Signalized Intersection to Three-Leg Unsignalized Intersection

For a three-legged unsignalized intersection, the statewide average is 0.05 crashes/million entering vehicles (MEV), while a signalized four-leg intersection is 0.52 crashes/MEV. An estimated average crash reduction factor is estimated by the following equation:

$$\text{Crash Reduction Factor} = \frac{0.52 \text{ crashes/MVM} - 0.05 \text{ crashes/MVM}}{0.52 \text{ crashes/MVM}} = 0.903 \text{ or } 90\%$$

CRF for Modifying a Four-Leg Signalized Intersection to Three-Leg Signalized Intersection

For a three-legged signalized intersection, the statewide average is 0.32 crashes/million entering vehicles (MEV), while a signalized four-leg intersection is 0.52 crashes/MEV. An estimated average crash reduction factor is estimated by the following equation:

$$\text{Crash Reduction Factor} = \frac{0.52 \text{ crashes/MVM} - 0.32 \text{ crashes/MVM}}{0.52 \text{ crashes/MVM}} = 0.385 \text{ or } 39\%$$

CRF for Modifying a Three-Leg Signalized Intersection to Four-Leg Signalized Intersection

For a three-legged signalized intersection, the statewide average is 0.32 crashes/million entering vehicles (MEV), while a signalized four-leg intersection is 0.52 crashes/MEV. An estimated average crash reduction factor is estimated by the following equation:

$$\text{Crash Reduction Factor} = \frac{0.32 \text{ crashes/MVM} - 0.52 \text{ crashes/MVM}}{0.32 \text{ crashes/MVM}} = -0.625 \text{ or } -63\%$$

Crash Estimation

Segments

The estimated number of crashes for a segment is estimated by the following equation:

$$\text{Estimated Crashes} = \frac{\text{Crash Rate} \times \text{AADT} \times \text{Number of Years} \times 365 \text{ Days} \times \text{Section Length (mi)}}{1,000,000}$$

I 481 Segment 0 (Community Grid)

I-481 Segment 0 is an approximately 0.4-mile long four-lane freeway segment. This segment only exists in the Community Grid alternative and has an estimated AADT of 20,520 vehicles. For a full access, urban, four-lane facility, the statewide average is 1.18 crashes/million vehicle miles (MVM). The estimated crashes for a three-year period within this segment is calculated as follows:

$$\text{Estimated Crashes} = \frac{1.18 \text{ crashes/MVM} \times 20,520 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days} \times 0.4 \text{ mi}}{1,000,000}$$

$$\text{Estimated Crashes} = 10.6 \text{ crashes say } 11 \text{ crashes}$$

I 481 Segment 19 (Community Grid)

I-481 Segment 19 is an approximately 0.6-mile long four-lane freeway segment. This segment only exists in the Community Grid alternative and has an estimated AADT of 16,530 vehicles. For a full access, urban, four-lane facility, the statewide average is 1.18 crashes/million vehicle miles (MVM). The estimated crashes for a three-year period within this segment is calculated as follows:

$$\text{Estimated Crashes} = \frac{1.18 \text{ crashes/MVM} \times 16,530 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days} \times 0.6 \text{ mi}}{1,000,000}$$

$$\text{Estimated Crashes} = 12.8 \text{ crashes say } 13 \text{ crashes}$$

Intersections

The estimated number of crashes for an intersection is estimated by the following equation:

$$\text{Estimated Crashes} = \frac{\text{Crash Rate} \times \text{Intersection AADT} \times \text{Number of Years} \times 365 \text{ Days}}{1,000,000}$$

Viaduct Alternative

North West Street at NY 5 / West Genesee Street (D-1)

Currently, North West Street crosses over West Genesee Street and only a ramp intersects the street. In the build alternatives, the main alignment of North West Street intersects NY 5 at grade as a normal four-legged signalized intersection. The statewide average for this type of intersection is 0.52 crashes/MEV. In the Viaduct alternative, this intersection is estimated to have an AADT of 31,360 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.52 \text{ crashes/MEV} \times 31,360 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

$$\text{Estimated Crashes} = 17.9 \text{ crashes round to 18 crashes}$$

West Street at Westbound I-690 Ramps (D-118)

The intersection of West Street at the westbound I-690 ramps is proposed to be an urban, four-legged signalized intersection with two lanes on each approach, and the statewide average for this type of intersection is 0.52 crashes/MEV. In the Viaduct alternative, this intersection is estimated to have an AADT of 11,470 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.52 \text{ crashes/MEV} \times 11,470 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

$$\text{Estimated Crashes} = 6.5 \text{ crashes round to 7 crashes}$$

West Street at Eastbound I-690 Ramps (D-119)

The intersection of West Street at the eastbound I-690 ramps is proposed to be an urban, four-legged signalized intersection with two lanes on each approach, and the statewide average for this type of intersection is 0.52 crashes/MEV. In the Viaduct alternative, this intersection is estimated to have an AADT of 20,650 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.52 \text{ crashes/MEV} \times 20,650 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

Estimated Crashes = 11.7 crashes round to 12 crashes

Catherine Street at Westbound I-690 Off-Ramp (D-123)

The intersection of Catherine Street at the Westbound I-690 off-ramp is proposed to be an urban, three-legged signalized intersection with two lanes along each direction of Catherine Street and three lanes on the off-ramp, and the statewide average for this type of intersection is 0.32 crashes/MEV. In the Viaduct alternative, this intersection is estimated to have an AADT of 13,560 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.32 \text{ crashes/MEV} \times 13560 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

Estimated Crashes = 4.7 crashes round to 5 crashes

Catherine Street at Eastbound I-690 On-Ramp (D-124)

The intersection of Catherine Street at the eastbound I-690 on-ramp is proposed to be an urban, three-legged uncontrolled intersection with two lanes along each direction of Catherine Street and two lanes on the on-ramp, and the statewide average for this type of intersection is 0.05 crashes/MEV. In the Viaduct alternative, this intersection is estimated to have an AADT of 16,610 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.05 \text{ crashes/MEV} \times 16605 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

Estimated Crashes = 0.9 crashes round to 1 crash

MLK East at Southbound I-81 On-Ramp (D-125)

The intersection of MLK East at the southbound I-81 on-ramp is proposed to be an urban, three-legged uncontrolled intersection with one lane along eastbound MLK East, two lanes along westbound MLK East, and one lane along the southbound I-81 on-ramp. The statewide average for this type of intersection is 0.05 crashes/MEV, and in the Viaduct alternative this intersection is estimated to have an AADT of 3,744 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.05 \text{ crashes/MEV} \times 3744 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

Estimated Crashes = 0.9 crashes round to 1 crash

MLK East at Northbound I-81 Off-Ramp (D-126)

The intersection of MLK East at the northbound I-81 on-ramp is proposed to be an urban, three-legged signalized intersection with one lane along eastbound MLK East, two lanes along westbound MLK East, and two lanes along the northbound I-81 off-ramp, and one lane along Renwick Street. The statewide average for this type of intersection is 0.32 crashes/MEV, and in the Viaduct alternative this intersection is estimated to have an AADT of 8,280 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.32 \text{ crashes/MEV} \times 8280 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

$$\text{Estimated Crashes} = 2.9 \text{ crashes round to 3 crashes}$$

Community Grid Alternative

North West Street at NY 5 / West Genesee Street (D-1)

In the build alternatives, the main alignment of North West Street intersects NY 5 at grade as a normal four-legged signalized intersection rather than via a ramp. The statewide average for this type of intersection is 0.52 crashes/MEV. In the Community Grid alternative, this intersection is estimated to have an AADT of 28,970 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.52 \text{ crashes/MEV} \times 28970 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

$$\text{Estimated Crashes} = 16.5 \text{ crashes round to 17 crashes}$$

West Street at Westbound I-690 Ramps (D-118)

The intersection of West Street at the westbound I-690 ramps is proposed to be an urban, four-legged signalized intersection with two lanes on every approach, and the statewide average for this type of intersection is 0.52 crashes/MEV. In the Community Grid alternative, this intersection is estimated to have an AADT of 12,780 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.52 \text{ crashes/MEV} \times 12,780 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

$$\text{Estimated Crashes} = 7.28 \text{ crashes round to 8 crashes}$$

West Street at Eastbound I-690 Ramps (D-119)

The intersection of West Street at the eastbound I-690 ramps is proposed to be an urban, four-legged signalized intersection with two lanes on every approach, and the statewide average for this type of intersection is 0.52 crashes/MEV. In the Community Grid alternative, this intersection is estimated to have an AADT of 27,470 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.52 \text{ crashes/MEV} \times 27470 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

$$\text{Estimated Crashes} = 15.6 \text{ crashes round to 16 crashes}$$

Southbound I-81 Off-Ramp at Willow Street (D-120)

The intersection of the southbound I-81 off-ramp at Willow Street is proposed to be an urban, four-legged signalized intersection with one lane in each direction on Willow Street and four lanes on the southbound off-ramp. The statewide average for this type of intersection is 0.52 crashes/MEV. In the Community Grid alternative, this intersection is estimated to have an AADT of 8,820 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.52 \text{ crashes/MEV} \times 8820 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

$$\text{Estimated Crashes} = 5.0 \text{ crashes round to 5 crashes}$$

Pearl Street at James Street (D-121)

The intersection of Pearl Street at James Street is proposed to be an urban, four-legged signalized intersection with two northbound lanes on Pearl Street, and three eastbound lanes and two westbound lanes on James Street. The statewide average for this type of intersection is 0.52 crashes/MEV. In the Community Grid alternative, this intersection is estimated to have an AADT of 12,690 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.52 \text{ crashes/MEV} \times 12,690 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

$$\text{Estimated Crashes} = 7.2 \text{ crashes round to 8 crashes}$$

Almond Street at MLK East (D-122)

The intersection of Almond Street at MLK East is proposed to be an urban, three-legged signalized intersection with no more than three lanes on any approach. The statewide average for this type of intersection is 0.32 crashes/MEV. In the Community Grid alternative, this

intersection is estimated to have an AADT of 24,830 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.32 \text{ crashes/MEV} \times 24,830 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

$$\text{Estimated Crashes} = 8.7 \text{ crashes round to 9 crashes}$$

East Glen Avenue at the BL-81 Ramps (D-127)

In the Community Grid alternative, the intersection of East Glen Avenue at the BL-81 ramps is proposed to function as an urban, four-legged signalized intersection with one lane on each approach and an estimated AADT of 14,380 vehicles. The statewide average for this type of intersection is 0.52 crashes/MEV. The intersection is estimated to have an AADT of 24,830 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.52 \text{ crashes/MEV} \times 14,380 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

$$\text{Estimated Crashes} = 8.2 \text{ crashes round to 9 crashes}$$

East Brighton Avenue at East Glen Avenue (D-128)

In the Community Grid alternative, the intersection of East Brighton Avenue is proposed to function as an urban, four-legged signalized intersection with an estimated AADT 19,840 vehicles. The westbound and southbound approaches would have two lanes each, with four lanes on the northbound approach and three lanes on the eastbound approach. The statewide average for this type of intersection is 0.32 crashes/MEV, and the estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.32 \text{ crashes/MEV} \times 19,840 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

$$\text{Estimated Crashes} = 7.0 \text{ crashes round to 7 crashes}$$

Crouse Avenue at the Westbound I-690 Ramps (U-68)

The proposed signalized four-legged intersection of Crouse Avenue at the westbound I-690 ramps is proposed to have no more than three lanes on any approach and an estimated AADT of 17,340 vehicles in the Community Grid alternative. The statewide average for this type of intersection is 0.52 crashes/MEV.

The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.52 \text{ crashes/MEV} \times 17,340 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

$$\text{Estimated Crashes} = 7.0 \text{ crashes round to 7 crashes}$$

Crouse Avenue at Eastbound I-690 On-Ramp (U-69)

The intersection of Crouse Avenue at the eastbound I-690 on-ramp is proposed to be an urban, four-legged unsignalized intersection with two lanes on all approaches except the eastbound approach from the parking lot which has a single lane. The statewide average for this type of intersection is 0.19 crashes/MEV. In the Community Grid alternative, this intersection is estimated to have an AADT of 19,510 vehicles. The estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.19 \text{ crashes/MEV} \times 19,510 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

Estimated Crashes = 4.1 crashes round to 5 crashes

Irving Avenue at NY 5 / Erie Boulevard East (U-70)

Irving Avenue at Erie Boulevard East is proposed in the Community Grid alternative to be a signalized, four-legged intersection with no more than four lanes on any approach and an estimated AADT of 29,920 vehicles. The statewide average for a similar intersection is 0.52 crashes/MEV and the estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.52 \text{ crashes/MEV} \times 29,920 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

Estimated Crashes = 17.0 crashes round to 17 crashes

Irving Avenue at Water Street (U-71)

The proposed signalized four-legged intersection of Crouse Avenue at the westbound I-690 ramps is proposed to have no more than two lanes on any approach and an estimated AADT 12,380 in the Community Grid alternative. The statewide average for this type of intersection is 0.52 crashes/MEV, and the estimated crashes for a three-year period at this intersection is calculated as follows:

$$\text{Estimated Crashes} = \frac{0.52 \text{ crashes/MEV} \times 12,380 \text{ vehicles} \times 3 \text{ Years} \times 365 \text{ Days}}{1,000,000}$$

Estimated Crashes = 7.0 crashes round to 7 crashes

Attachment F

Crash Reduction Factor Tables

**Crash Reduction Factor Calculations
I-81
Community Grid Alternative**

Alternative Improvements

NOTE: An existing segment not listed does not have any improvements proposed.

Segment 1 (RM 2008-2009)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
C211	0	Increase the existing northbound third lane length prior to the exit ramp to BL-81 in RM 2007 from 700 feet to 900 feet	39%	0*0.39	0	2016 PIES - Reduction Factor Report
C211	2	Provide two-lane southbound entrance from BL-81 from RM 2006 to RM 2013	39%	2*0.39	0.78	2016 PIES - Reduction Factor Report
N/A	4	Provide two-lane continuation of northbound I-81 onto I-481. Provide two-lane exit to BL-81. The left-most lane on BL-81 is fed by a center option lane.	-9%	4*-0.09	-0.36	See Attachment E for CRF Derivation
C410	0	Improve northbound grade from 5.6% to 2.7% between RM 2009 and RM 2014	41%	0*0.41	0	2016 PIES - Reduction Factor Report
C23	0	Increase the existing southbound right shoulder width of 6.5 feet to ten feet between RM 2009 and RM 2010	48%	0*0.48	0	2016 PIES - Reduction Factor Report
<u>Use</u>			<u>11%</u>	<u>0.42/4</u>	<u>0.42</u>	

**Crash Reduction Factor Calculations
I-81
Community Grid Alternative**

Segment 2 (RM 2010-2015)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	1	Provide two-lane southbound entrance lane from BL-81 from RM 2006 to RM 2013	39%	1*0.39	0.39	2016 PIES - Reduction Factor Report
C410	5	Improve northbound grade from 5.6% to 2.7% between RM 2009 and RM 2014	41%	5*0.41	2.05	2016 PIES - Reduction Factor Report
C23	0	Increase the existing southbound right shoulder width of 6.5 feet to ten feet between RM 2009 and RM 2010	48%	0*0.48	0	2016 PIES - Reduction Factor Report
C23	0	Increase the existing northbound shoulder width from 8.5 ft to 10 ft in RM 2010	48%	0*0.48	0	2016 PIES - Reduction Factor Report
C40	22	Reduce the design speed of the exit to BL-81 from 60 MPH to 45 MPH from RM 2012 to RM 2014. Improve non-standard horizontal sight distance by providing lower design speed and removing roadside obstacles.	21%	22*0.21	4.62	2016 PIES - Reduction Factor Report
N/A	4	Provide northbound exit to East Glen Avenue in RM 2013. Exit will be fed by a right lane drop whose dotted line extends into RM 2011.	-9%	4*-0.09	-0.36	See Attachment E for CRF Calculation
N/A	1	Provide southbound entrance from East Glen Avenue in RM 2013 with adequate acceleration length that extends into 2012.	-9%	1*-0.09	-0.09	See Attachment E for CRF Calculation
N/A	3	Eliminate southbound left exit to I-481 in RM 2015	8%	3*0.08	0.24	See Attachment E for CRF Calculation
<u>Use</u>			<u>18%</u>	<u>6.85/38</u>	<u>6.85</u>	

**Crash Reduction Factor Calculations
I-81
Community Grid Alternative**

Segment 3 (RM 2016-2018)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C43	0	Improve substandard superelevation along northbound direction in RM 2016	3%	0*0.03	0	2016 PIES - Reduction Factor Report
C23	0	Increase northbound right-side shoulder width from four feet to six feet between RM 2016 and RM 2017.	48%	0*0.48	0	2016 PIES - Reduction Factor Report
N/A	0	Provide northbound entrance ramp from East Glen Avenue in RM 2017	Crash reduction factor calculation is included in below calculation			
N/A	5	Introduce approximately 720-foot northbound weaving lane between entrance from East Glen Avenue and exit to S Salina Street along northbound BL-81 in RM 2017 and 2018.	-9%	5*-0.09	-0.45	See Attachment E for CRF Calculation
7440	1		21%	1*0.21	0.21	CMF Clearinghouse
C23	0	Increase southbound right shoulder width from nine feet to ten feet in RM 2016	48%	0*0.48	0	2016 PIES - Reduction Factor Report
N/A	4	Provide southbound exit to East Glen Avenue into RM 2017. Exit is fed by an approximately 850-foot auxiliary lane that extends to the on-ramp from S Salina Street in RM 2019	-9%	4*-0.09	-0.36	See Attachment E for CRF Calculation
7440	1		21%	1*0.21	0.21	CMF Clearinghouse

Use -4% -0.39/9 -0.39

Segment 4 (RM 2019-2026)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	4	Provide southbound exit to East Glen Avenue into RM 2017. Exit is fed by an approximately 850-foot auxiliary lane that extends to the on-ramp from S Salina Street in RM 2019	-9%	4*-0.09	-0.36	See Attachment E for CRF Calculation
7440	1		8%	1*0.08	0.08	CMF Clearinghouse

Use -1% -0.28/34 -0.28

Segment 6 (RM 2030-2032)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
1240	11	Reduce design speed from 60 MPH on mainline to 45 MPH	6%	11*0.06	0.66	CMF Clearinghouse

Use 6% 0.66/11 0.66

Segments 7 through 9 (RM 2033-2047)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	ALL	Eliminate freeway between RM 2033 and RM 2047	100% Reduction as freeway is removed			

**Crash Reduction Factor Calculations
I-81
Community Grid Alternative**

Segment 10 (RM 2048-2053)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C40	43	Modify northbound geometrics in RM 2048 and RM 2049 to connect with I-690 with curvature designed to standard	21%	43*0.21	9.03	2016 PIES - Reduction Factor Report
C40	78	Modify southbound geometrics from RM 2048 and RM 2052 to connect with I-690 with curvature designed to standard	21%	78*0.21	16.38	2016 PIES - Reduction Factor Report
C410	0	Improve substandard vertical sight distance in northbound direction by reducing design speed from 60 MPH to 40 MPH in RM 2050	41%	0*0.41	0	2016 PIES - Reduction Factor Report
C29	3	Eliminate nonstandard ramp spacing between entrance ramps from westbound I-690 and Pearl Street in RM 2050	2%	3*0.02	0.06	2016 PIES - Reduction Factor Report
C43	24	Improve existing substandard superelevation between RM 2050 and RM 2051	3%	24*0.03	0.72	2016 PIES - Reduction Factor Report
C211	0	Provide northbound two-lane entrance from Pearl Street in RM 2051. It joins northbound I-81 as two added lanes.	Reduction included in widening CRF Calculation below			
C211	40	Provide four northbound through lanes between RM 2051 and RM 2164	39%	40*0.39	15.6	2016 PIES - Reduction Factor Report
C40	11	Improve substandard northbound horizontal sight distance from 472 ft to 570 feet by flattening curve and providing wider shoulder between RM 2050 and 2051	21%	11*0.21	2.31	2016 PIES - Reduction Factor Report
C43	18	Improve existing substandard superelevation between RM 2052 to RM 2053	3%	18*0.03	0.54	2016 PIES - Reduction Factor Report
C23	4	Increase the existing northbound right side shoulder width from between two to five feet to ten feet from RM 2053 to 2055	48%	4*0.48	1.92	2016 PIES - Reduction Factor Report
N/A	52	Remove substandard southbound ramp spacing between exits to Franklin Street in RM 2052 and Clinton Street in RM 2050 by combining exits.	8%	52*0.08	4.16	See Attachment E for CRF Calculation
N/A	11	Provide two-lane exit to Franklin Street and Clinton Street and one-lane continuation to eastbound I-690 along southbound BL-81 in RM 2052	-9%	11*-0.09	-0.99	See Attachment E for CRF Calculation
C23	2	Increase substandard southbound right shoulder width from five feet to ten feet from RM 2052 to RM 2053.	48%	2*0.48	0.96	2016 PIES - Reduction Factor Report
N/A	20	Remove substandard southbound weaving area between Genant Drive entrance-ramp and exit to Franklin Street through ramp consolidation.	8%	20*0.08	1.6	See Attachment E for CRF Calculation
C23	1	Increase the existing five-foot southbound left shoulder to ten feet in RM 2052	48%	1*0.48	0.48	2016 PIES - Reduction Factor Report
C43	10	Improve existing substandard superelevation between RM 2052 to RM 2053	3%	10*0.03	0.3	2016 PIES - Reduction Factor Report
N/A	0	Eliminate southbound entrance ramp from Genant Drive in RM 2053	Reduction is included in the nonstandard weaving area calculation			
C23	0	Increase the existing northbound left side shoulder from 6 feet to 10 feet in RM 2053 and RM 2054	48%	0*0.48	0	2016 PIES - Reduction Factor Report

Use 28% 53.07/192 53.07

**Crash Reduction Factor Calculations
I-81
Community Grid Alternative**

Segment 11 (RM 2054-2059)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	54	Provide four northbound through lanes between RM 2051 and RM 2164	39%	54*0.39	21.06	2016 PIES - Reduction Factor Report
C23	1	Increase the existing northbound right side shoulder width from between two to five feet to ten feet from RM 2053 to 2055	48%	1*0.48	0.48	2016 PIES - Reduction Factor Report
C23	0	Increase the existing northbound left side shoulder from 6 feet to 10 feet in RM 2053 and RM 2054	48%	0*0.48	0	2016 PIES - Reduction Factor Report
N/A	26	Remove northbound nonstandard weaving length by eliminating Butternut Street on-ramp from RM 2053 to RM 2057	8%	26*0.08	2.08	See Attachment E for CRF Calculation
C40	9	Improve the northbound curve radius from 1215 feet to 4547 feet between RM 2054 and RM 2056. By increasing the curve radius, the horizontal stopping sight distance is increased from 327 feet to greater than 570 feet.	21%	9*0.21	1.89	2016 PIES - Reduction Factor Report
C23	0	Increase northbound left shoulder width from five feet to ten feet in RM 2055	48%	0*0.48	0	2016 PIES - Reduction Factor Report
C43	10	Improve existing substandard superelevation in RM 2055	3%	10*0.03	0.3	2016 PIES - Reduction Factor Report
C40	0	Increase the substandard southbound horizontal stopping sight distance from 368 feet to greater than 570 feet by flattening curve in RM 2055	21%	0*0.21	0	2016 PIES - Reduction Factor Report
C43	16	Improve existing substandard superelevation between RM 2056 to RM 2057	3%	16*0.03	0.48	2016 PIES - Reduction Factor Report
C211	30	Reconfigure southbound ramps to eliminate nonstandard spacing between Bear Street entrance ramp and exit from Spencer Street. Specifically, eliminate the existing entrance and exit, provide entrance ramp from Genant Drive in RM 2058 with adequate acceleration length that extends into RM 2057, and provide exit to Genant Drive RM 2162. The exit to Genant Drive is fed by an auxiliary lane that extends to an entrance ramp from NY 370 in RM 2165, and the existing entrance ramp from Hiawatha Boulevard is eliminated.	39%	30*0.39	11.7	2016 PIES - Reduction Factor Report
C43	25	Improve existing substandard superelevation between RM 2058 to RM 2059	3%	25*0.03	0.75	2016 PIES - Reduction Factor Report

Use 31% 37.99/123 37.99

Crash Reduction Factor Calculations
I-81
Community Grid Alternative

Segment 12 (RM 2060-2061)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	11	Provide four northbound through lanes between RM 2051 and RM 2164	39%	11*0.39	4.29	2016 PIES - Reduction Factor Report
C211	18	Reconfigure southbound ramps to eliminate nonstandard spacing between Bear Street entrance ramp and exit from Spencer Street. Specifically, eliminate the existing entrance and exit, provide entrance ramp from Genant Drive in RM 2058 with adequate acceleration length that extends into RM 2057, and provide exit to Genant Drive RM 2162. The exit to Genant Drive is fed by an auxiliary lane that extends to an entrance ramp from NY 370 in RM 2165, and the existing entrance ramp from Hiawatha Boulevard is eliminated.	39%	18*0.39	7.02	2016 PIES - Reduction Factor Report
C43	13	Improve existing substandard superelevation between RM 2160 to RM 2161	3%	13*0.03	0.39	2016 PIES - Reduction Factor Report
N/A	0	Improve the northbound ramp spacing from 1436 feet to 1544 feet between the Court Street on-ramp in RM 2160 and exit to NY 370	No reduction factor applied as nominal increase is provided			
<u>Use</u>			<u>39%</u>	<u>11.7/30</u>	<u>11.7</u>	

Segment 13 (RM 2162-3004)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	12	Provide four northbound through lanes between RM 2051 and RM 2164	39%	12*0.39	4.68	2016 PIES - Reduction Factor Report
C211	36	Reconfigure southbound ramps to eliminate nonstandard spacing between Bear Street entrance ramp and exit from Spencer Street. Specifically, eliminate the existing entrance and exit, provide entrance ramp from Genant Drive in RM 2058 with adequate acceleration length that extends into RM 2057, and provide exit to Genant Drive RM 2162. The exit to Genant Drive is fed by an auxiliary lane that extends to an entrance ramp from NY 370 in RM 2165, and the existing entrance ramp from Hiawatha Boulevard is eliminated.	44%	36*0.44	15.84	2016 PIES - Reduction Factor Report
N/A	0	Improve the northbound ramp spacing from 1436 feet to 1544 feet between the Court Street on-ramp in RM 2160 and exit to NY 370	No reduction factor applied as nominal increase is provided			
3036	3	Introduce northbound right lane reduction in RM 2164	-20%	3*-0.2	-0.6	CMF Clearinghouse
<u>Use</u>			<u>24%</u>	<u>19.92/83</u>	<u>19.92</u>	

**Crash Reduction Factor Calculations
I-81
Community Grid Alternative**

Segment 19 (RM 3052-3062)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	5	Remove existing southbound exit ramp to I-481 east in RM 3054, eliminating a weaving area between RM 3045 and 3056	8%	5*0.08	0.4	See Attachment E for CRF Calculation
C43	3	Improve substandard superelevation between RM 3057 and RM 3060	3%	3*0.03	0.09	2016 PIES - Reduction Factor Report
3036	4	Provide lane reductions in both directions in RM 3058	-20%	4*-0.2	-0.8	CMF Clearinghouse
N/A	1	Provide two-lane connection of I-481 / I-81 to existing northbound I-81 alignment in RM 3060	-9%	1*-0.09	-0.09	See Attachment E for CRF Calculation
3036	3	Provide northbound left lane reduction in RM 3061	-20%	3*-0.2	-0.6	CMF Clearinghouse
N/A	0	Provide a two lane southbound exit to BL-81 in RM 3063, where two lanes continue onto both BL-81 and I-81. The center lane approaching the exit is an option to either exiting or continuing on I-81.	-9%	0*-0.09	0	See Attachment E for CRF Calculation

Use -1% -1/70 -1

**Crash Reduction Factor Calculations
I-481
Community Grid Alternative**

Alternative Improvements

NOTE: An existing segment not listed does not have any improvements proposed.

Segment 1 (RM 1000-1005)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
N/A	2	Eliminate southbound exit ramp to BL-81 in RM 1000 and RM 1001	8%	2*0.08	0.16	See Attachment E for CRF Derivation
C40	4	Realign I-481 to have a 70 MPH design speed in both directions from RM 1000 to RM 2008	21%	4*0.21	0.84	2016 PIES - Reduction Factor Report
C271	0	From RM 1001 to RM 1005, fix nonstandard southbound horizontal stopping sight distance of 600 feet by improved grade, flattening roadside terrain and removing roadside obstacles	39%	0*0.39	0	2016 PIES - Reduction Factor Report
<u>Use</u>			<u>14%</u>	<u>1/7</u>	<u>1</u>	

Segment 2 (RM 2000-2005)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C40	1	Realign I-481 to have a 70 MPH design speed in both directions between RM 1000 and 2000	21%	1*0.21	0.21	2016 PIES - Reduction Factor Report
C211	2	Starting in RM 2001, add a 900-foot southbound 3rd lane prior to the exit to Brighton Avenue in RM 1006	39%	2*0.39	0.78	2016 PIES - Reduction Factor Report
<u>Use</u>			<u>8%</u>	<u>0.99/13</u>	<u>0.99</u>	

Segment 8 (RM 2058-2067)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	1	Add southbound auxiliary lane between entrance ramp from Kirkland Road in RM 2075 and exit to I-690 in RM 2067	39%	1*0.39	0.39	2016 PIES - Reduction Factor Report
<u>Use</u>			<u>1%</u>	<u>0.39/40</u>	<u>0.39</u>	

Segment 9 (RM 2068-2074)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	4	Add southbound auxiliary lane between entrance ramp from Kirkland Road in RM 2075 and exit to I-690 in RM 2067	39%	4*0.39	1.56	2016 PIES - Reduction Factor Report
C23	2	Widen southbound right shoulder from six to ten feet between RM 2068 and RM 2074	48%	2*0.48	0.96	2016 PIES - Reduction Factor Report
C211	3	Extend left-most northbound lane that ends in RM 2068 to end after the exit to Kirkland Road in RM 2075	39%	3*0.39	1.17	2016 PIES - Reduction Factor Report
C23	2	Increase northbound right shoulder from six feet to ten feet from RM 2069 to RM 2073	48%	2*0.48	0.96	2016 PIES - Reduction Factor Report
<u>Use</u>			<u>29%</u>	<u>4.65/16</u>	<u>4.65</u>	

**Crash Reduction Factor Calculations
I-481
Community Grid Alternative**

Segment 10 (RM 2075-2082)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	0	Extend left-most northbound lane that ends in RM 2068 to end after the exit to Kirkland Road in RM 2075	39%	0*0.39	0	2016 PIES - Reduction Factor Report
C211	12	Add southbound auxiliary lane between entrance ramp from Kirkland Road in RM 2075 and exit to I-690 in RM 2067	39%	12*0.39	4.68	2016 PIES - Reduction Factor Report
3036	1	Introduce northbound left lane reduction in RM 2075	-20%	1*-0.2	-0.2	CMF Clearinghouse
C211	1	Add a northbound auxiliary lane between the entrance ramp from Kirkville Road in RM 2081 and exit to I-90 in RM 2091	39%	1*0.39	0.39	2016 PIES - Reduction Factor Report
Use			9%	4.87/52	4.87	

Segment 11 (RM 2083-2089)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	2	Add a northbound auxiliary lane between the entrance ramp from Kirkville Road in RM 2081 and exit to I-90 in RM 2091	39%	2*0.39	0.78	2016 PIES - Reduction Factor Report
Use			6%	0.78/14	0.78	

Segment 12 (RM 2090-2094)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	1	Add a northbound auxiliary lane between the entrance ramp from Kirkville Road in RM 2081 and exit to I-90 in RM 2091	39%	1*0.39	0.39	2016 PIES - Reduction Factor Report
Use			4%	0.39/10	0.39	

Segment 17 (RM 2134-2137)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	2	Widen to have added northbound third lane on left between RM 2137 and new connection to I-81 in RM 2141	39%	2*0.39	0.78	2016 PIES - Reduction Factor Report
C211	1	Provide new two-lane I-81 mainline connection that joins with southbound I-481 in RM 2138. In RM 2136 the right-most of four lanes reduces, then in RM 2134 the right-most lane terminates as a lane drop onto the exit to Northern Boulevard in RM 2134.	39%	1*0.39	0.39	2016 PIES - Reduction Factor Report
Use			20%	1.17/6	1.17	

**Crash Reduction Factor Calculations
I-481
Community Grid Alternative**

Segment 18 (RM 481| 2138-481 1004)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	1	Widen to have added northbound third lane on left between RM 2137 and new connection to I-81 in RM 2141	39%	1*0.39	0.39	2016 PIES - Reduction Factor Report
C211	0	Provide new two-lane I-81 mainline connection that joins with southbound I-481 in RM 2138. In RM 2136 the right-most of four lanes reduces, then in RM 2134 the right-most lane terminates as a lane drop onto the exit to Northern Boulevard in RM 2134.	39%	0*0.39	0	2016 PIES - Reduction Factor Report
C211	0	Reconfigure exit to northbound I-81 in RM 2141 to be mainline connection to existing I-81 with a 70 MPH design speed. Two lanes exist on this connection, and the center lane prior to the exit is an option lane to the connection or continuing on I-481	39%	0*0.39	0	2016 PIES - Reduction Factor Report
N/A	6	Eliminate southbound entrance ramp from southbound BL-81 in RM 481 1001	8%	6*0.08	0.48	See Attachment E for CRF Calculation
C43	8	Improve substandard superelevation in both directions between RM 481 1002 and RM 481 1004	3%	8*0.03	0.24	2016 PIES - Reduction Factor Report
<u>Use</u>			<u>3%</u>	<u>1.11/36</u>	<u>1.11</u>	

**Crash Reduction Factor Calculations
I-690
Community Grid Alternative**

Alternative Improvements

NOTE: An existing segment not listed does not have any improvements proposed.

Segment 4 (RM 2018-2024)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
7440	2	Reconfigure westbound I-690 between RM 2016 and RM 2019. In RM 2019, a single lane from North West Street merges in on the right as an added fourth lane that drops onto the exit to North Geddes Street in RM 2019.	21%	2*0.21	0.42	2016 PIES - Reduction Factor Report
C211	0	Modify the eastbound exit to North West Street in RM 2019 to have a left lane that feeds from an option lane.	Reduction included in the widening Derivation below.			
C211	50	Widen eastbound I-690 to have three eastbound through lanes between RM 2019 and RM 2028	39%	50*0.39	19.5	2016 PIES - Reduction Factor Report
C211	37	Widen westbound I-690 to have three through lanes between RM 2019 and RM 2024	39%	37*0.39	14.43	2016 PIES - Reduction Factor Report
C43	6	Improve existing eastbound superelevation from RM 2020 to RM 2022	3%	6*0.03	0.18	2016 PIES - Reduction Factor Report
C40	8	Flatten curve in both directions between RM 2020 and RM 2022, which in turn improves westbound horizontal stopping sight distance from 420 feet to 570 feet	21%	8*0.21	1.68	2016 PIES - Reduction Factor Report
C23	10	Increase the existing westbound four to six-foot right shoulder width to ten feet from RM 2020 to RM 2031	48%	10*0.48	4.8	2016 PIES - Reduction Factor Report
C23	7	Increase the existing four to six-foot eastbound right shoulder width to ten feet between RM 2021 and RM 2032	48%	7*0.48	3.36	2016 PIES - Reduction Factor Report
C211	0	Relocate westbound exit to North West Street from RM 2021 to RM 2024. It is fed by a lane drop.	No reduction in segment anticipated as exit is relocated within segment			
C410	0	Improve eastbound vertical sight distance from 570 feet to 588 feet in RM 2023	41%	0*0.41	0	2016 PIES - Reduction Factor Report
N/A	0	Relocate eastbound entrance ramp from North West St to RM 2024 and include an adequate acceleration length.	No reduction in segment anticipated as entrance is relocated within segment			
C40	37	Greatly increase curve radii in both directions between RM 2023 and RM 2029, which combined with wider shoulders improves horizontal stopping sight distances.	21%	37*0.21	7.77	2016 PIES - Reduction Factor Report
C211	0	Widen westbound I-690 to have four lanes between the exit to North West Street in RM 2024 and the exit to northbound BL-81 in RM 2027	Reduction included in the proposed three lane widening calculation as RMs overlap			

Use 55% 52.14/94 52.14

**Crash Reduction Factor Calculations
I-690
Community Grid Alternative**

Segment 5 (RM 2025-2032)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	57	Widen eastbound I-690 to have three eastbound through lanes between RM 2019 and RM 2028	39%	57*0.39	22.23	2016 PIES - Reduction Factor Report
C23	9	Increase the existing westbound four to six-foot right shoulder width to ten feet from RM 2020 to RM 2031	48%	9*0.48	4.32	2016 PIES - Reduction Factor Report
C23	15	Increase the existing four to six-foot eastbound right shoulder width to ten feet between RM 2021 and RM 2032	48%	15*0.48	7.2	2016 PIES - Reduction Factor Report
C40	37	Greatly increase curve radii between RM 2023 and RM 2029, which combined with wider shoulders improves horizontal stopping sight distances.	21%	37*0.21	7.77	2016 PIES - Reduction Factor Report
C23	6	Provide an eastbound ten-foot left shoulder between RM 2023 and 2031	48%	6*0.48	2.88	2016 PIES - Reduction Factor Report
C211	14	Widen westbound I-690 to have four lanes between the exit to North West Street in RM 2024 and the exit to northbound BL-81 in RM 2027	39%	14*0.39	5.46	2016 PIES - Reduction Factor Report
C43	5	Improve existing eastbound substandard superelevation from RM 2025 to RM 2027	3%	5*0.03	0.15	2016 PIES - Reduction Factor Report
2521	28	Reconfigure the eastbound entrance ramp from southbound I-81 to merge on the right in RM 2026 with added lane that drops onto the exit to Irving Street in RM 2029.	39%	28*0.39	10.92	2016 PIES - Reduction Factor Report
N/A	7	Relocate westbound exit to northbound I-81 from RM 2026 to RM 2027. It is a two lane exit fed by a drop lane and option lane.	-9%	7*-0.09	-0.63	See Attachment E for CRF Calculation
C43	19	Improve existing westbound substandard superelevation from RM 2026 to RM 2029	3%	19*0.03	0.57	2016 PIES - Reduction Factor Report
C211	36	Widen westbound I-690 to have five lanes between the exit to northbound BL-81 in RM 2027 and entrance ramp from Irving Avenue / Crouse Avenue in RM 2030.	39%	36*0.39	14.04	2016 PIES - Reduction Factor Report
N/A	36	Introduce along the westbound direction an approximately 1580-foot weaving section between the exit to northbound BL-81 in 2027 and entrance ramp from Irving Avenue / Crouse Avenue in RM 2030	-9%	36*-0.09	-3.24	See Attachment E for CRF Calculation
N/A	2	Provide an eastbound exit to Irving Street in RM 2029. It is fed by the approximately 1670-foot auxiliary lane between it and the entrance ramp from southbound I-81	-9%	2*-0.09	-0.18	See Attachment E for CRF Calculation
C43	8	Improve existing substandard superelevation in RM 2030 in both directions	3%	8*0.03	0.24	2016 PIES - Reduction Factor Report
N/A	11	Eliminate eastbound entrance ramp from McBride Street in RM 2030	8%	11*0.08	0.88	See Attachment E for CRF Calculation
N/A		Eliminate westbound exit to North Thompson Street in RM 2030	8%	*0.08	0	See Attachment E for CRF Calculation
C20	13	Increase lane width from 11 feet to 12 feet for I-690 mainline between Almond Street in RM 2030 and the project's eastern limit in RM 2037	6%	13*0.06	0.78	2016 PIES - Reduction Factor Report

Use 60% 73.39/122 73.39

Crash Reduction Factor Calculations
I-690
Community Grid Alternative

Segments 6 (RM 2033-2037)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C20	10	Increase lane width from 11 feet to 12 feet for I-690 mainline between Almond Street in RM 2030 and the project's eastern limit in RM 2037	6%	10*0.06	0.6	2016 PIES - Reduction Factor Report
C23	9	Widen existing four-foot left shoulder to be ten-feet wide in both directions	48%	9*0.48	4.32	2016 PIES - Reduction Factor Report
N/A	8	Provide eastbound entrance ramp from Crouse Avenue in RM 2035 that includes an auxiliary lane that extends to the Teall Road interchange in RM 2038	-9%	8*-0.09	-0.72	See Attachment E for CRF Calculation
7440	1		21%	1*0.21	0.21	CMF Clearinghouse
C43	19	Improve existing substandard superelevation between RM 2036 to RM 2037	3%	19*0.03	0.57	2016 PIES - Reduction Factor Report
C23	4	Increase right shoulder width from four feet to ten feet within RM 2036 and RM 2037 in both directions.	48%	4*0.48	1.92	2016 PIES - Reduction Factor Report
C40	0	Improve eastbound horizontal stopping sight distance from 444 feet to 570 feet by widening shoulder from RM 2036 to RM 2037	21%	0*0.21	0	2016 PIES - Reduction Factor Report
C40	0	Improve substandard westbound horizontal stopping sight distance from 438 feet to 570 feet by providing wider shoulder from RM 2035 to RM 2037	21%	0*0.21	0	2016 PIES - Reduction Factor Report

Use 11% 6.9/65 6.9

Segment 7 (RM 2038-2042)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	6	Provide eastbound entrance ramp from Crouse Avenue in RM 2035 that includes an auxiliary lane that extends to the Teall Road interchange in RM 2038	-9%	6*-0.09	-0.54	See Attachment E for CRF Calculation
7440	1		21%	1*0.21	0.21	CMF Clearinghouse

Use 0% -0.06/80 -0.33

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

Alternative Improvements

NOTE: An existing intersection not listed does not have any improvements proposed.

North West Street at NY 5 / West Genesee Street (D-1)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source	
N/A	0	Removed overhead ramp structure, changed to at-grade intersection.	Use	0%	0/10	0	Intersection is significantly modified and new estimated crashes will be developed for this alternative. See Attachment E
N/A	0	Add a 94-foot eastbound left-turn lane.					
N/A	0	Add a northbound 138-foot left-turn bay.					
N/A	0	Add a northbound parking-lane					
N/A	0	Add southbound 150-foot double left-turn lane.					
N/A	0	Add a median in both directions on North West Street.					

North Franklin Street / Butternut Street at North Franklin Street (D-11)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
3036	7	In the southbound direction on Butternut Street, reduce to a single lane.	-20%	7*-0.2	-1.4	CMF Clearinghouse
3247	0	Add a bike lane in both directions on Butternut Street	20%	0*0.2	0	CMF Clearinghouse
3036	5	In the northbound direction on Butternut Street, reduce to a single sharrow lane.	-20%	5*-0.2	-1	CMF Clearinghouse
5221	6	Add a parking lane along both sides of Butternut Street south of intersection.	-107%	6*-1.07	-6.42	CMF Clearinghouse
9245	0	Along westbound Webster Landing, add sidewalk.	-78%	0*-0.78	0	CMF Clearinghouse
N/A	2	Remove the median along Webster Landing.	-12%	2*-0.12	-0.24	See Attachment E for CRF Derivation
3036	1	Modify southbound Franklin Street to have one sharrow lane each way.	-20%	1*-0.2	-0.2	CMF Clearinghouse
			Use	-49%	-9.26/19	-9.26

North Franklin Street at Herald Place (D-12)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
3036	1	Along north leg of Franklin Street, reduce from two lanes to one lane each way.	-20%	1*-0.2	-0.2	CMF Clearinghouse
5221	1	Add parking along both sides of Franklin Street north of the intersection.	-107%	1*-1.07	-1.07	CMF Clearinghouse
			Use	-8%	-1.07/14	-1.07

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

North Clinton Street at Webster Landing (D-19)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	0	Along westbound Webster Landing, remove the ramp merge.	8%	0*0.08	0	See Attachment E for CRF Derivation
9245	0	Add sidewalk on the north side of Webster Landing.	-78%	0*-0.78	0	CMF Clearinghouse
<u>Use</u>			<u>0%</u>	<u>0/1</u>	<u>0</u>	

North Clinton Street at NY 5 / James Street / West Genesee Street (D-21)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
153	4	Remove eastbound parking	20%	4*0.2	0.8	CMF Clearinghouse
C211	3	Add one eastbound lane	39%	3*0.39	1.17	2016 PIES - Reduction Factor Report
153	1	Remove northbound parking lane	20%	1*0.2	0	CMF Clearinghouse
C211	2	Add one southbound lane	39%	2*0.39	0.78	2016 PIES - Reduction Factor Report
3036	6	Remove westbound left-turn lane.	-20%	6*-0.2	-1.2	CMF Clearinghouse
C211	0	Provide two eastbound lanes on the eastern approach.	39%	0*0.39	0	2016 PIES - Reduction Factor Report
<u>Use</u>			<u>10%</u>	<u>1.55/16</u>	<u>1.55</u>	

North Salina Street at Herald Place (D-32)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
9245	0	Add paved trail along the northern approach.	-78%	0*-0.78	0	CMF Clearinghouse
<u>Use</u>			<u>0%</u>	<u>0/7</u>	<u>0</u>	

South Salina Street at Harrison Street and Onondaga Street (D-39)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	8	Modify existing one-way Harrison Street to have two westbound lanes and one eastbound 13-foot lane.	17%	8*0.17	1.36	See Attachment E for CRF Derivation
<u>Use</u>			<u>6%</u>	<u>1.36/22</u>	<u>1.36</u>	

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

Pearl Street at East Willow St. (D-47)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	4	Modify existing three-leg intersection to be a four-leg intersection.	-63%	4*-0.63	-2.52	See Attachment E for CRF Derivation
5234	3	Modify Pearl Street to be one-way northbound with two through lanes	47%	3*0.47	1.41	CMF Clearinghouse
5221	2	Provide a parking lane on both sides of Pearl Street	-107%	2*-1.07	-2.14	CMF Clearinghouse
3036	1	Reduce each direction of Willow Street to be one-lane and one parking lane.	-20%	1*-0.2	-0.2	CMF Clearinghouse
<u>Use</u>			<u>-86%</u>	<u>-3.45/4</u>	<u>-3.45</u>	

N. Warren St. at East Willow St. (D-48)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
5221	1	Add a parking lane in the eastbound direction.	-54%	1*-0.54	-0.54	CMF Clearinghouse
N/A	0	Modify North Warren Street from one-way with two lanes to one through lane and a parking lane on both sides of the southern approach.	CRF Calculation is included above			
<u>Use</u>			<u>-18%</u>	<u>-0.54/3</u>	<u>-0.54</u>	

North Warren Street at NY 5 / James Street (D-49)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	5	Modify the existing one-way northbound approach to be two-way with two northbound lanes and one southbound lane.	17%	5*0.17	0.85	See Attachment E for CRF Derivation
5221	2	Add a parking lane on both sides on the northern leg	-107%	2*-1.07	-2.14	CMF Clearinghouse
<u>Use</u>			<u>-9%</u>	<u>-1.29/14</u>	<u>-1.29</u>	

North Warren Street at Erie Blvd East (D-50)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	2	Modify the existing one-way operation to be two-way in each direction on Erie Boulevard.	17%	2*0.17	0.34	See Attachment E for CRF Derivation
163	3	Modify the existing diagonal parking on Erie Boulevard to be standard parking in order to accommodate two-way operation.	35%	3*0.35	1.05	CMF Clearinghouse
<u>Use</u>			<u>23%</u>	<u>1.39/6</u>	<u>1.39</u>	

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

South Warren Street at Harrison Street (D-56)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	6	Modify existing one-way Harrison Street to have two westbound lanes and one eastbound 13-foot lane.	17%	6*0.17	1.02	See Attachment E for CRF Derivation
Use			13%	1.02/8	1.02	

Oswego Boulevard / NY 5 at James Street (D-58)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	13	Modify the existing three-legged intersection to be a four-legged intersection.	-63%	13*-0.63	-8.19	See Attachment E for CRF Derivation
5234	3	Modify the existing Oswego Boulevard to be one-way northbound with two through lanes and a parking lane on both sides.	47%	3*0.47	1.41	CMF Clearinghouse
5221	3	Provide parking on both sides of Oswego Boulevard	-107%	3*-1.07	-3.21	CMF Clearinghouse
5221	2	Add a parking lane along Eastbound James Street	-54%	2*-0.54	-1.08	CMF Clearinghouse
Use			-85%	-11.07/13	-11.07	

Erie Boulevard / NY 5 at Oswego Boulevard / Montgomery Street (D-59)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
5234	3	Modify two-way Oswego Boulevard to be one-way northbound with two lanes and a parking lane.	47%	3*0.47	1.41	CMF Clearinghouse
5221	1	Provide a parking lane along northbound Oswego Boulevard	-54%	1*-0.54	-0.54	CMF Clearinghouse
5221	0	Add a parking lane along westbound Erie Boulevard	-54%	0*-0.54	0	CMF Clearinghouse
Use			12%	0.87/7	0.87	

Montgomery Street at Harrison Street (D-66)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	0	Modify existing one-way Harrison Street to be two-lanes with one lane eastbound and two lanes westbound.	17%	0*0.17	0	See Attachment E for CRF Derivation
153	0	Remove street parking in the westbound direction.	20%	0*0.2	0	CMF Clearinghouse
Use			0%	0/7	0	

US 11 / North State Street at East Willow Street (D-69)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
5650	1	Add an eastbound right-turn lane.	30%	1*0.3	0.3	CMF Clearinghouse
Use			2%	0.3/18	0.3	

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

US 11 / South State Street at NY 5 / Erie Boulevard East (D-71)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
5650	0	Add a 90-foot westbound right-turn lanes.	30%	0*0.3	0	CRF Source
9245	1	Add a sidewalk on the south leg of Erie Boulevard	-78%	1*-0.78	-0.78	CMF Clearinghouse
3036	1	Remove the southbound left-turn lane.	-20%	1*-0.2	-0.2	CMF Clearinghouse
C10	0	Add a median along the northern approach.	21%	0*0.21	0	2016 PIES - Reduction Factor Report
9245	0	Add a paved trail to the west side of State Street.	-78%	0*-0.78	0	CMF Clearinghouse
Use			-9%	-0.98/11	-0.98	

US 11 / South State Street at Harrison Street (D-78)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	11	Modify the existing one-way westbound Harrison Street to be two-way with one eastbound lane, two westbound through lanes, and a westbound parking lane.	17%	11*0.17	1.87	See Attachment E for CRF Derivation
Use			9%	1.87/22	1.87	

US 11 / South State Street at East Adams Street (D-79)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	14	Modify the east approach to have three eastbound through lanes and two westbound lanes.	17%	14*0.17	2.38	See Attachment E for CRF Derivation
Use			9%	2.38/27	2.38	

North / South Townsend Street at NY 5 / Erie Boulevard East (D-84)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
5221	1	Add a parking lane along the westbound approach.	-54%	1*-0.54	-0.54	CMF Clearinghouse
Use			-2%	-0.54/23	-0.54	

South Townsend Street at Harrison Street (D-80)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	11	Modify Harrison Street to have one eastbound lane and two westbound lanes.	17%	11*0.17	1.87	See Attachment E for CRF Derivation
9245	1	Add a paved trail on the north side of Harrison Street	-78%	1*-0.78	-0.78	CMF Clearinghouse
Use			9%	1.09/12	1.09	

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

South Townsend Street at East Adams Street (D-90)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	21	Modify the existing one-way west approach to be two-way with two westbound lanes.	17%	21*0.17	3.57	See Attachment E for CRF Derivation
3036	12	Modify the existing three-through lane, one-left-turn lane, and one right-turn lane eastbound approach to have one of each lane.	-20%	12*-0.2	-2.4	CMF Clearinghouse
N/A	0	Modify the east leg of east Adams Street to have two lanes in each direction.	17%	0*0.17	0	See Attachment E for CRF Derivation
Use			3%	1.17/38	1.17	

Catherine Street at Burnet Avenue (D-99)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
3247	1	Add a bike lane along both sides of Catherine Street	20%	1*0.2	0.2	CMF Clearinghouse
153	2	Remove the southbound parking lane south of the intersection.	20%	2*0.2	0.4	CMF Clearinghouse
Use			5%	0.6/13	0.6	

Almond Street / Catherine Street at NY 5 / Erie Boulevard East(D-100)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
7996	0	Add one northbound left-turn lane.	25%	0*0.25	0	CMF Clearinghouse
3247	1	Add a bike lane along both directions of Almond Street	20%	1*0.2	0.2	CMF Clearinghouse
C10	1	Add a median along Almond Street	21%	1*0.21	0.21	2016 PIES - Reduction Factor Report
C10	1	Extend the median along the west leg of Erie Boulevard East	21%	1*0.21	0.21	2016 PIES - Reduction Factor Report
Use			5%	0.62/12	0.62	

Almond Street at NY 92 / East Water Street (D-101)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
3247	0	Add a bike lane in both directions of Almond Street	20%	0*0.2	0	CMF Clearinghouse
C10	1	Add median along Almond Street.	21%	1*0.21	0.21	2016 PIES - Reduction Factor Report
5221	0	Add a northbound parking lane.	-54%	0*-0.54	0	CMF Clearinghouse
Use			1%	0.21/18	0.21	

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

Almond Street at NY 92 / East Washington Street (D-102)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
3247	0	Add a bike lane in both directions of Almond Street	20%	0*0.2	0	CMF Clearinghouse
C10	1	Add median along Almond Street.	21%	1*0.21	0.21	2016 PIES - Reduction Factor Report
5221	0	Add a parking lane along both directions of Almond Street.	-107%	0*-1.07	0	CMF Clearinghouse
<u>Use</u>			<u>5%</u>	<u>0.21/4</u>	<u>0.21</u>	

Almond Street at East Fayette Street (D-103)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
3247	0	Add a bike lane in both directions of Almond Street	20%	0*0.2	0	CMF Clearinghouse
C10	3	Add median along Almond Street.	21%	3*0.21	0.63	2016 PIES - Reduction Factor Report
5221	3	Add a parking lane along both directions of Almond Street.	-107%	3*-1.07	-3.21	CMF Clearinghouse
<u>Use</u>			<u>-29%</u>	<u>-2.58/9</u>	<u>-2.58</u>	

Almond Street at NY 92 / East Genesee Street (D-104)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
3247	0	Add a bike lane in both directions of Almond Street	20%	0*0.2	0	CMF Clearinghouse
N/A	0	Consolidate the median on Almond Street	No reduction factor applied as median currently exists			
7996	0	Remove the westbound U-turn lane.	25%	0*0.25	0	CMF Clearinghouse
3036	1	Modify the eastbound approach from two through lanes to one through lane and one 50-foot left-turn lane.	-20%	1*-0.2	-0.2	CMF Clearinghouse
7996	2	Provide a 50-foot eastbound left turn lane	25%	2*0.25	0.5	CMF Clearinghouse
C10	0	Provide a median on the west leg of the intersection.	21%	0*0.21	0	2016 PIES - Reduction Factor Report
3247	0	Improve the bike path on the north side of East Genesee Street	20%	0*0.2	0	CMF Clearinghouse
<u>Use</u>			<u>4%</u>	<u>0.3/7</u>	<u>0.3</u>	

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

Almond Street at Harrison Street (D-107)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
3247	0	Add a bike lane in both directions of Almond Street	20%	0*0.2	0	CMF Clearinghouse
C10	27	Add median along Almond Street.	21%	27*0.21	5.67	2016 PIES - Reduction Factor Report
5221	27	Add a parking lane along both directions of Almond Street.	-107%	27*-1.07	-28.89	CMF Clearinghouse
3036	19	Modify the northbound approach from two through lanes, one shared through and right-turn lane, and two left-turn lanes to one through, one shared through and right-turn, and two left-turn lanes.	-20%	19*-0.2	-3.8	CMF Clearinghouse
N/A	2	Modify the one-way western approach to be two-way with one eastbound through lane and one 80-foot left-turn lane, and two westbound through lanes.	17%	2*0.17	0.34	See Attachment E for CRF derivation
3036	2	Modify westbound Harrison Street from two through lanes, one left-turn lane, and two right-turn lanes to be two through lanes, one left-turn lane, and one right-turn lane.	-20%	2*-0.2	-0.4	CMF Clearinghouse

Use -44% -27.08/61 -27.08

Almond Street at East Adams Street (D-108)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
3247	0	Add a bike lane in both directions of Almond Street	20%	0*0.2	0	CMF Clearinghouse
C10	0	Consolidate the median on the southern approach of Almond Street	No reduction factor applied as median exists currently			
7996	18	Add a 137-foot northbound left-turn lane.	25%	18*0.25	4.5	CMF Clearinghouse
3036	0	Reduce the number of southbound left-turn lanes from two to one.	-20%	0*-0.2	0	CMF Clearinghouse
5221	11	Add a parking lane along the southbound direction.	-54%	11*-0.54	-5.94	CMF Clearinghouse
N/A	21	Modify East Adams Street from one-way to two way. Provide one westbound lane. In the eastbound direction, modify from two through lanes and two left-turn lanes to one through lane, one through lane, and one right-turn lane.	17%	21*0.17	3.57	See Attachment E for CRF Derivation

Use 3% 2.13/71 2.13

Almond Street at Burt Street (D-109)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	1	Widen Almond Street to be two lanes in each direction with a median and 92-foot northbound left-turn lane..	39%	1*0.39	0.39	2016 PIES - Reduction Factor Report
413	0	Widen the west sidewalk from eight to fourteen feet.	-12%	0*-0.12	0	CMF Clearinghouse

Use 39% 0.39/1 0.39

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

Almond Street at Van Buren Street (D-110)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	4	Widen Almond Street to be two lanes in each direction with a median, northbound sidewalk, 87-foot northbound right-turn lane, and 83-foot southbound left-turn lane.	39%	4*0.39	1.56	2016 PIES - Reduction Factor Report
413	0	Widen the west sidewalk from eight to fourteen feet.	-12%	0*-0.12	0	CMF Clearinghouse
5650	0	Add a 158-foot westbound right-turn lane.	30%	0*0.3	0	CMF Clearinghouse
9245	0	Add sidewalk along the south side of Van Buren Street	-78%	0*-0.78	0	CMF Clearinghouse
Use			39%	1.56/4	1.56	

West Street at Westbound I-690 Ramps

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	0	Install new signalized intersection with two lanes on each approach.	No CRF derived as crashes are estimated for this alternative as the intersection is new. See Attachment E for Crash Estimation.			

West Street at Eastbound I-690 Ramps

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	0	Install new signalized intersection with two lanes on eastbound off-ramp and one lane on the eastbound on-ramp	No CRF derived as crashes are estimated for this alternative as the intersection is new. See Attachment E for Crash Estimation.			

Southbound BL-81 Off-Ramp and Willow Street (D-120)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	0	Create new four-legged signalized intersection.	No CRF is applied as crashes are estimated for this new intersection. See Attachment E for derivation of estimated crashes at this intersection.			
N/A	0	Establish the BL-81 Off-Ramp and Oswego Boulevard as one-way southbound.				
N/A	0	On the north leg of the intersection, provide two through lanes, one left-turn lane, and one right-turn lane.				
N/A	0	On the south leg, provide two though lanes and parking lanes on both sides.				
N/A	0	Reduce Willow Street in both directions to one travel and one parking lane.				

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

Pearl Street at James Street (D-121)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	0	Create a new intersection with two lanes and a parking lane on both sides of one-way northbound Pearl Street.				No CRF is applied as crashes are estimated for this new intersection. See Attachment E for derivation of estimated crashes at this intersection.
N/A	0	Add a 54-foot left-turn lane along eastbound James Street				
N/A	0	Add a traffic signal				

Almond Street at MLK Jr East (D-122)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	0	Widen MLK Jr East to be two lanes in each direction with a median and sidewalk in each direction.				No CRF is applied as crashes are estimated for this new intersection. See Attachment E for derivation of estimated crashes at this intersection.
N/A	0	Add sidewalk on both sides of the western approach.				
N/A	0	Add an eastbound right-turn lane, bike lane, and sidewalk.				
N/A	0	Add a traffic signal				

East Glen Avenue at the BL-81 Ramps (D-127)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	0	Added new signalized full intersection, for the new BL-81 ramps at the New Road.				No CRF is applied as crashes are estimated for this new intersection. See Attachment E for derivation of estimated crashes at this intersection.
N/A	0	Westbound New Rd-2 lane each way with free RT on both sides, and added medians;				

East Brighton Avenue at East Glen Avenue (D-128)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	0	Modify from three-legged intersection to four-legged intersection.				No CRF is applied as this intersection is significantly modified and no crashes were reported at this location in provided data. See Attachment E for derivation of estimated crashes at this intersection.
N/A	0	Add a traffic signal.				
N/A	0	Along the northbound direction, add 195-foot double left-turn lanes and remove the right-turn lane.				
N/A	0	In the southbound direction, provide a shared through and right-turn lane.				
N/A	0	In the eastbound direction, provide one right-turn lane, one shared right and left-turn lane, and one 211-foot left-turn lane.				
N/A	0	Add two lanes and a sidewalk in the westbound direction.				

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

North Crouse Ave at Burnet Ave (U-1)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	1	Widen the northbound direction from one to two lanes.	39%	1*0.39	0.39	2016 PIES - Reduction Factor Report
9245	0	Add sidewalk along the southbound direction.	-78%	0*-0.78	0	CMF Clearinghouse
5650	0	Add an eastbound right-turn lane.	30%	0*0.3	0	CMF Clearinghouse
<u>Use</u>			<u>39%</u>	<u>0.39/1</u>	<u>0.39</u>	

North / South Crouse Avenue at NY 5 / Erie Boulevard East (U-10)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
9245	0	Add a sidewalk in both directions.	-78%	0*-0.78	0	CMF Clearinghouse
C211	0	Widen the southbound direction to two lanes.	39%	0*0.39	0	2016 PIES - Reduction Factor Report
<u>Use</u>			<u>0%</u>	<u>0/4</u>	<u>0</u>	

South Crouse Avenue at East Water Street (U-19)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
5221	0	Add a parking lane in the northbound direction.	-54%	0*-0.54	0	CMF Clearinghouse
9245	0	Add a 14-foot sidewalk in the southbound direction.	-78%	0*-0.78	0	CMF Clearinghouse
<u>Use</u>			<u>0%</u>	<u>0/5</u>	<u>0</u>	

Irving Avenue at East Fayette Street (U-24)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	0	Widen the southbound direction to have two lanes.	39%	0*0.39	0	2016 PIES - Reduction Factor Report
153	0	Remove the parking lane in the eastbound direction	20%	0*0.2	0	CMF Clearinghouse
N/A	0	Widen the eastbound through lane from 12 feet to 19 feet.	0%	0*0	0	Lane is already standard width
5221	0	Add a parking lane in the westbound direction.	-54%	0*-0.54	0	CMF Clearinghouse
<u>Use</u>			<u>0%</u>	<u>0/1</u>	<u>0</u>	

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

South Crouse Avenue at East Fayette Street (U-25)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
C211	1	Widen the southern approach to have two northbound lanes and one southbound lane.	39%	1*0.39	0.39	CMF Clearinghouse
C211	0	Widen the northern approach to have two lanes each direction with parking.	39%	0*0.39	0	CMF Clearinghouse
153	1	Remove the parking lane in the eastbound direction	20%	1*0.2	0.2	CMF Clearinghouse
N/A	0	Widen the eastbound through lane from 12 feet to 19 feet.	0%	0*0	0	Lane is already standard width
5221	0	Add a parking lane in the westbound direction.	-54%	0*-0.54	0	CMF Clearinghouse
			<u>Use</u>	<u>12%</u>	<u>0.59/5</u>	<u>0.59</u>

Irving Avenue at NY 92 / East Genesee Street (U-31)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
3036	2	Modify the northbound direction from two to one lane.	-20%	2*-0.2	-0.4	CMF Clearinghouse
C211	3	Modify the southbound direction from one to two lanes.	39%	3*0.39	1.17	2016 PIES - Reduction Factor Report
			<u>Use</u>	<u>4%</u>	<u>0.77/18</u>	<u>0.77</u>

South Crouse Avenue at NY 92 / East Genesee Street (U-32)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
153	6	Remove northbound parking lane	20%	6*0.2	1.2	CMF Clearinghouse
N/A	13	Change the southern approach to two way with one southbound lane provided.	17%	13*0.17	2.21	See Attachment E for CRF derivation
N/A	0	Modify the northern approach to have two northbound lanes and one southbound lane.	Reduction is calculated in above derivation			
			<u>Use</u>	<u>16%</u>	<u>3.41/21</u>	<u>3.41</u>

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

Irving Avenue at Harrison Street (U-43)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
3036	0	Modify the northbound direction from one through and two left-turn lanes to one through and one left-turn lane.	-20%	0*-0.2	0	CMF Clearinghouse
Use			0%	0/18	0	

South Crouse Avenue at Harrison Street (U-44)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	4	Modify Crouse Avenue to have two-way traffic with one southbound lane	17%	4*0.17	0.68	See Attachment E for CRF derivation
153	2	Remove the existing northbound parking lane	20%	2*0.2	0.4	CMF Clearinghouse
Use			14%	1.08/8	1.08	

South Crouse Avenue at East Adams Street (U-52)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	4	Modify Crouse Avenue to have two-way traffic with one southbound lane	17%	4*0.17	0.68	See Attachment E for CRF derivation
153	3	Remove the existing northbound parking lane	20%	3*0.2	0.6	CMF Clearinghouse
Use			8%	1.28/16	1.28	

Irving Avenue at Van Buren Street (U-63)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
153	2	Remove the southbound parking lane.	20%	2*0.2	0.4	CMF Clearinghouse
5650	2	Add a southbound right-turn lane.	30%	2*0.3	0.6	CMF Clearinghouse
7996	0	Add a northbound left-turn lane.	25%	0*0.25	0	CMF Clearinghouse
7996	1	Add eastbound left-turn lane.	30%	1*0.3	0.3	CMF Clearinghouse
5650	1	Mark eastbound right-turn lane.	25%	1*0.25	0.25	CMF Clearinghouse
Use			39%	1.55/4	1.55	

**Crash Reduction Factor Calculations
Local Streets
Community Grid Alternative**

Crouse Ave at Westbound I-690 Ramps (U-68)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	0	Create new intersection for the ramps				No CRF is applied as crashes are estimated for this new intersection. See Attachment E for derivation of estimated crashes at this intersection.
N/A	0	Provide traffic signal.				

Crouse Ave at Eastbound I-690 On-Ramp (U-69)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	0	Add a new unsignalized intersection for the on-ramp.				No CRF is applied as crashes are estimated for this new intersection. See Attachment E for derivation of estimated crashes at this intersection.

Irving Avenue at NY 5 / Erie Boulevard East (U-70)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	0	Create new signalized intersection.				No CRF is applied as crashes are estimated for this new intersection. See Attachment E for derivation of estimated crashes at this intersection.
N/A	0	Provide two northbound lanes.				
N/A	0	Provide two through, one left-turn lane, and one right-turn lane in the southbound direction.				
N/A	0	Add a 74-foot eastbound left-turn lane.				
N/A	0	Add a 100-foot westbound left-turn lane.				

Irving Avenue at East Water Street (U-71)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	0	Create new four-legged signalized intersection.				No CRF is applied as crashes are estimated for this new intersection. See Attachment E for derivation of estimated crashes at this intersection.
N/A	0	Provide two northbound lanes and a median.				

Southbound I-81 Off-Ramp/Genant Drive at Spencer Street (W-3)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Calculation	Crashes Reduced	CRF Source
N/A	3	Modify Genant Drive from one-way to one lane in each direction.	17%	3*0.17	0.51	See Attachment E for CRF derivation
3247	0	Add a bike lane on Spencer Street.	20%	0*0.2	0	CMF Clearinghouse

Use 5% 0.51/11 0.51

**Crash Reduction Factor Derivations
I-81
Viaduct Alternative**

Alternative Improvements

Note: An existing segment not listed does not have any improvements proposed.

Segment 6 (RM 2030-2032)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
N/A	6	Create a northbound weaving area between entrance from Colvin Drive in RM 2030 and proposed exit to MLK Jr Dr E in RM 2032	-9%	6*-0.09	-0.54	See Attachment E for CRF Derivation
7441	4	Create northbound auxiliary lane between entrance ramp from Colvin Drive in RM 2030 and proposed exit to MLK Jr Drive in RM 2032	21%	4*0.21	0.84	CMF Clearinghouse
N/A	3	Add southbound single-lane entrance ramp from MLK Jr. Drive in RM 2031 with an adequate acceleration length.	-9%	3*-0.09	-0.27	See Attachment E for CRF Derivation
N/A	0	Add northbound two-lane exit ramp to MLK Jr Dr E in RM 2032. The left-most exit lane is fed by an option lane, while the auxiliary lane drops as the right exit lane.	Reduction included in create northbound weaving area from RM 2030 to RM 2032 improvement.			
C40	1	Improve southbound horizontal stopping sight distance from 379 feet to greater than 570 feet by flattening the curve and providing wider shoulder from RM 2032 to RM 2034	21%	1*0.21	0.21	2016 PIES - Reduction Factor Report

Use 2% 0.24/11 0.24

**Crash Reduction Factor Derivations
I-81
Viaduct Alternative**

Segment 7 (RM 2033-2035)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
C40	0	Improve southbound horizontal stopping sight distance from 379 feet to greater than feet 570 feet by flattening the curve and providing wider shoulder from RM 2032 to RM 2034	21%	0*0.21	0	2016 PIES - Reduction Factor Report
C23	5	Increase northbound right shoulder width from between three feet and ten feet to twelve feet in RM 2033 and 2034.	48%	5*0.48	2.4	2016 PIES - Reduction Factor Report
C40	0	Improve northbound horizontal stopping sight distance from 358 feet to greater than 570 feet by flattening the curve and providing a wider shoulder in RM 2033	21%	0*0.21	0	2016 PIES - Reduction Factor Report
C23	0	Increase left shoulder from three feet to twelve feet in both directions from RM 2033 to RM 2037	48%	0*0.48	0	2016 PIES - Reduction Factor Report
C23	0	Increase southbound right shoulder width from three feet to ten feet in RM 2033 and RM 2034	48%	0*0.48	0	2016 PIES - Reduction Factor Report
C43	4	Improve northbound substandard superelevation on curve from RM 2035 to RM 2037	3%	4*0.03	0.12	2016 PIES - Reduction Factor Report
C40	4	Improve northbound horizontal sight distance from 424 feet to greater than 570 feet by flattening curve and providing wider shoulder from RM 2035 to RM 2037	21%	4*0.21	0.84	2016 PIES - Reduction Factor Report
C23	0	Increase northbound right shoulder width from four feet to ten feet between RM 2035 and RM 2050	48%	0*0.48	0	2016 PIES - Reduction Factor Report
C20	2	Increase lane width from 11 feet to 12 feet for I-81 mainline between Van Buren Street in RM 2035 and North Salina Street in RM 2050	6%	2*0.06	0.12	2016 PIES - Reduction Factor Report
C23	1	Increase the southbound right shoulder width from three feet to twelve feet from RM 2035 to RM 2037	48%	1*0.48	0.48	2016 PIES - Reduction Factor Report
C40	1	Improve southbound horizontal stopping sight distance from 415 feet to greater than 570 feet by flattening curve and providing wider shoulder from RM 2035 to RM 2037	21%	1*0.21	0.21	2016 PIES - Reduction Factor Report
C43	0	Improve southbound substandard superelevation on curve from RM 2035 to RM 2037	6%	0*0.06	0	2016 PIES - Reduction Factor Report

Use 23% 4.17/18 4.17

**Crash Reduction Factor Derivations
I-81
Viaduct Alternative**

Segment 8 (RM 2036-2042)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
C43	15	Improve northbound substandard superelevation on curve from RM 2035 to RM 2037	3%	15*0.03	0.45	2016 PIES - Reduction Factor Report
C40	15	Improve northbound horizontal sight distance from 424 feet to greater than 570 feet by flattening curve and providing wider shoulder from RM 2035 to RM 2037	21%	15*0.21	3.15	2016 PIES - Reduction Factor Report
C23	27	Increase northbound right shoulder width from four feet to ten feet between RM 2035 and RM 2050	48%	27*0.48	12.96	2016 PIES - Reduction Factor Report
C20	45	Increase lane width from 11 feet to 12 feet for I-81 mainline between Van Buren Street in RM 2035 and North Salina Street in RM 2050	6%	45*0.06	2.7	2016 PIES - Reduction Factor Report
C23	0	Increase the southbound right shoulder width from three feet to twelve feet from RM 2035 to RM 2037	48%	0*0.48	0	2016 PIES - Reduction Factor Report
C40	1	Improve southbound horizontal stopping sight distance from 415 feet to greater than 570 feet by flattening curve and providing wider shoulder from RM 2035 to RM 2037	21%	1*0.21	0.21	2016 PIES - Reduction Factor Report
C43	1	Improve southbound substandard superelevation on curve from RM 2035 to RM 2037	6%	1*0.06	0.06	2016 PIES - Reduction Factor Report
C410	0	Improve northbound vertical sight distance from less than 570 feet to 633 feet in RM 2036	41%	0*0.41	0	2016 PIES - Reduction Factor Report
5360	15	Increase northbound left shoulder width from 3 feet to 4 feet along viaduct from RM 2037 to RM 2042	3%	15*0.03	0.45	CMF Clearinghouse
C43	14	Improve substandard superelevation on curve in both directions from RM 2037 to RM 2038	3%	14*0.03	0.42	2016 PIES - Reduction Factor Report
C23	3	Increase southbound right shoulder from four feet to ten feet from RM 2037 to RM 2049	48%	3*0.48	1.44	2016 PIES - Reduction Factor Report
C211	33	Reconfigure southbound I-81 between RM 2039 and RM 2044. Specifically, the ramp from eastbound I-690 merges with southbound I-81 in RM 2042 and has an acceleration lane that tapers away in RM 2039. The existing right lane reduction on the I-81 mainline in RM 2042 is removed and two through lanes continue from the exit to Harrison Street in RM 2044 through RM 2039.	39%	33*0.39	12.87	2016 PIES - Reduction Factor Report
C211	36	Reconfigure northbound I-81 ramps between RM 2041 and RM 2043. Specifically, relocate the exit ramp to eastbound I-690 to RM 2041 and realign to be a left taper-type exit with an adequate deceleration length. In RM 2043, provide a two lane entrance ramp from Harrison Street that joins with northbound I-81 creating a four-lane section. The right-most lane of four transitions in RM 2044, This realignment eliminates the existing weaving section between this entrance and exit.	39%	36*0.39	14.04	2016 PIES - Reduction Factor Report
7440	2	Relocate the existing southbound exit to Harrison Street from RM 2042 to RM 2044. Widen the exit to be a two-lane exit fed by an auxiliary lane and option lane.	21%	2*0.21	0.42	CMF Clearinghouse
C40	2	Improve southbound horizontal stopping sight distance from 270 feet to 443 feet by providing wider shoulder and increasing curve radius from 1098 feet to 1364 feet from RM 2042 to RM 2046	21%	2*0.21	0.42	2016 PIES - Reduction Factor Report

Use 31% 49.59/161 49.59

**Crash Reduction Factor Derivations
I-81
Viaduct Alternative**

Segment 9 (RM 2043-2047)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
C23	21	Increase northbound right shoulder width from four feet to ten feet between RM 2035 and RM 2050	48%	21*0.48	10.08	2016 PIES - Reduction Factor Report
C20	40	Increase lane width from 11 feet to 12 feet for I-81 mainline between Van Buren Street in RM 2035 and North Salina Street in RM 2050	6%	40*0.06	2.4	2016 PIES - Reduction Factor Report
C23	9	Increase southbound right shoulder from four feet to ten feet from RM 2037 to RM 2049	48%	9*0.48	4.32	2016 PIES - Reduction Factor Report
C211	10	Reconfigure northbound I-81 ramps between RM 2041 and RM 2043. Specifically, relocate the exit ramp to eastbound I-690 to RM 2041 and realign to be a left taper-type exit with an adequate deceleration length. In RM 2043, provide a two lane entrance ramp from Harrison Street that joins with northbound I-81 creating a four-lane section. The right-most lane of four transitions in RM 2044, This realignment eliminates the existing weaving section between this entrance and exit.	39%	10*0.39	3.9	2016 PIES - Reduction Factor Report
C211	20	Reconfigure southbound I-81 between RM 2039 and RM 2044. Specifically, the ramp from eastbound I-690 merges with southbound I-81 in RM 2042 and has an acceleration lane that tapers away in RM 2039. The existing right lane reduction on the I-81 mainline in RM 2042 is removed and two through lanes continue from the exit to Harrison Street in RM 2044 through RM 2039.	39%	20*0.39	7.8	2016 PIES - Reduction Factor Report
N/A	7	Relocate the existing southbound exit to Harrison Street from RM 2042 to RM 2044. Widen the exit to be a two-lane exit fed by an auxiliary lane and option lane.	-9%	7*-0.09	-0.63	See Attachment E for CRF Derivation
C40	22	Improve southbound horizontal stopping sight distance from 270 feet to 443 feet by providing wider shoulder and increasing curve radius from 1098 feet to 1364 feet from RM 2042 to RM 2046	21%	22*0.21	4.62	2016 PIES - Reduction Factor Report
C40	38	Improve northbound left curve radius starting in RM 2043 and continuing to RM 2047 from 1140 feet to 1330 feet. By increasing the curve radius, the horizontal stopping sight distance is improved from 300 feet to 438 feet.	20%	38*0.2	7.6	2016 PIES - Reduction Factor Report
3036	2	Provide northbound lane reduction in RM 2044	-20%	2*-0.2	-0.4	CMF Clearinghouse
C211	42	Provide three southbound lanes between the entrance from eastbound I-690 in RM 2048 and exit to Harrison Street in RM 2044. The right-most lane is an auxiliary lane between the entrance and exit.	39%	42*0.39	16.38	2016 PIES - Reduction Factor Report
N/A	42	Create a weaving area between the entrance from eastbound I-690 in RM 2048 and exit to Harrison Street in RM 2044	-9%	42*-0.09	-3.78	See Attachment E for CRF Derivation
7440	22	Relocate the existing southbound entrance ramp from eastbound I-690 from RM 2045 to RM 2048. The ramp feeds into an auxiliary lane.	21%	22*0.21	4.62	CMF Clearinghouse
C410	2	Improve substandard northbound vertical stopping sight distance from less than 570 feet to 847 feet between RM 2047 and RM 2049	41%	2*0.41	0.82	2016 PIES - Reduction Factor Report

**Crash Reduction Factor Derivations
I-81
Viaduct Alternative**

C40	8	Improve northbound right curve radius starting in RM 2047 and continuing RM 2050 from 1096 feet to 1800 feet. By increasing the curve radius and providing a wider shoulder, the horizontal stopping sight distance is increased from 270 feet to 509 feet.	20%	8*0.2	1.6	2016 PIES - Reduction Factor Report

Use 58% 59.33/103 59.33

Segment 10 (RM 2048-2053)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
C23	11	Increase northbound right shoulder width from four feet to ten feet	48%	11*0.48	5.28	2016 PIES - Reduction Factor Report
C20	46	Increase lane width from 11 feet to 12 feet for I-81 mainline between Van Buren Street in RM 2035 and North Salina Street in RM 2050	6%	46*0.06	2.76	2016 PIES - Reduction Factor Report
C23	9	Increase southbound right shoulder from four feet to ten feet from RM 2037 to RM 2049	48%	9*0.48	4.32	2016 PIES - Reduction Factor Report
C211	2	Provide three southbound lanes between the entrance from eastbound I-690 in RM 2048 and exit to Harrison Street in RM 2044. The right-most lane is an auxiliary lane between the entrance and exit.	39%	2*0.39	0.78	2016 PIES - Reduction Factor Report
N/A	2	Create a weaving area between the entrance from eastbound I-690 in RM 2048 and exit to Harrison Street in RM 2044	-9%	2*-0.09	-0.18	See Attachment E for CRF Derivation
N/A	0	Relocate the existing southbound entrance ramp from eastbound I-690 from RM 2045 to RM 2048. The ramp feeds into an auxiliary lane.	-9%	0*-0.09	0	See Attachment E for CRF Derivation
C410	17	Improve substandard northbound vertical stopping sight distance from less than 570 feet to 847 feet between RM 2047 and RM 2049	41%	17*0.41	6.97	2016 PIES - Reduction Factor Report
C40	24	Improve northbound right curve radius starting in RM 2047 and continuing RM 2050 from 1096 feet to 1800 feet. By increasing the curve radius and providing a wider shoulder, the horizontal stopping sight distance is increased from 270 feet to 509 feet.	20%	24*0.2	4.8	2016 PIES - Reduction Factor Report
C410	0	Improve northbound grade from five percent to one percent within RM 2049	Reduction included in vertical sight distance reduction			
C23	0	Increase the existing southbound two to eight-foot right shoulder to be ten feet wide between RM 2049 and RM 2050	48%	0*0.48	0	2016 PIES - Reduction Factor Report
C211	64	Widen southbound I-81 from RM 2049 to RM 2051 to have three through lanes.	39%	64*0.39	24.96	2016 PIES - Reduction Factor Report
N/A	85	Relocate the existing southbound exit to eastbound I-690 in RM 2049 to be a left exit. It is fed by a lane drop whose dotted line is proposed to extend into RM 2054.	-9%	85*-0.09	-7.65	See Attachment E for CRF Derivation
C211	0	Provide northbound two-lane entrance from Pearl Street in RM 2050. It joins northbound I-81 as two added lanes.	Reduction included in widening CRF Derivation below			
C29	3	Improve northbound ramp spacing between entrance from Pearl Street and entrance from westbound I-690 from 40 feet to 378 feet in RM 2050	2%	3*0.02	0.06	2016 PIES - Reduction Factor Report
C410	0	Improve substandard vertical stopping sight distance in northbound direction from less than 570 feet to 630 feet in RM 2050	41%	0*0.41	0	2016 PIES - Reduction Factor Report
C49	6	Realign existing northbound entrance ramp from westbound I-690 in RM 2050 to join in RM 2051 with an adequate acceleration lane that tapers in RM 2052.	9%	6*0.09	0.54	2016 PIES - Reduction Factor Report
C211	56	Widen northbound I-81 to have four through lanes between RM 2050 and RM 2164	39%	56*0.39	21.84	2016 PIES - Reduction Factor Report

**Crash Reduction Factor Derivations
I-81**

Viaduct Alternative

C43	24	Improve the substandard southbound superelevation in RM 2050 and RM 2051	3%	24*0.03	0.72	2016 PIES - Reduction Factor Report
N/A	27	Eliminate the existing southbound exit to North Clinton Street in RM 2051	8%	27*0.08	2.16	See Attachment E for CRF Derivation
N/A	27	Provide southbound exit to westbound I-690 in RM 2051. It is fed by a lane drop whose dotted line is proposed to extend through RM 2054.	-9%	27*-0.09	-2.43	See Attachment E for CRF Derivation
C211	47	Provide four southbound through lanes between the exit to westbound I-690 in RM 2051 and entrance ramp from NY 370 in RM 2165	39%	47*0.39	18.33	2016 PIES - Reduction Factor Report
C40	11	Improve northbound horizontal stopping sight distance from 472 feet to 570 feet by flattening curve and providing a wider shoulder in RM 2052 and RM 2053	21%	11*0.21	2.31	2016 PIES - Reduction Factor Report
N/A	20	Eliminate existing nonstandard southbound weaving area between the entrance ramp from Genant Drive in RM 2053 and exit to Butternut Street in RM 2052	8%	20*0.08	1.6	See Attachment E for CRF Derivation
C43	10	Improve existing southbound substandard superelevation between RM 2052 to RM 2053	3%	10*0.03	0.3	2016 PIES - Reduction Factor Report
N/A	0	Eliminate the southbound exit to Butternut Street in RM 2052 and replace it with a new exit to North Clinton Street. It is fed by an adequate deceleration lane that extends into RM 2054	No reduction factor applied as replacing existing feature			
C23	2	Increase the existing northbound left shoulder from six feet to ten feet in RM 2053 and RM 2054	48%	2*0.48	0.96	2016 PIES - Reduction Factor Report
N/A	0	Eliminate southbound entrance ramp from Genant Drive in RM 2053	Reduction is included in the nonstandard weaving area Derivation			

Use 39% 75.47/192 75.47

**Crash Reduction Factor Derivations
I-81
Viaduct Alternative**

Segment 11 (RM 2054-2059)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
N/A	6	Relocate the existing southbound exit to eastbound I-690 in RM 2049 to be a left exit. It is fed by a lane drop whose dotted line is proposed to extend into RM 2054.	-9%	6*-0.09	-0.54	See Attachment E for CRF Derivation
C211	54	Widen northbound I-81 to have four through lanes between RM 2050 and RM 2164	39%	54*0.39	21.06	2016 PIES - Reduction Factor Report
N/A	6	Provide southbound exit to westbound I-690 in RM 2051. It is fed by a lane drop whose dotted line is proposed to extend through RM 2054.	-9%	6*-0.09	-0.54	See Attachment E for CRF Derivation
C211	66	Provide four southbound through lanes between the exit to westbound I-690 in RM 2051 and entrance ramp from NY 370 in RM 2165	39%	66*0.39	25.74	2016 PIES - Reduction Factor Report
N/A	0	Eliminate the southbound exit to Butternut Street in RM 2052 and replace it with a new exit to North Clinton Street. It is fed by an adequate deceleration lane that extends into RM 2054	No reduction factor applied as replacing existing feature			
C23	0	Increase the existing northbound left shoulder from six feet to ten feet in RM 2053 and RM 2054	48%	0*0.48	0	2016 PIES - Reduction Factor Report
N/A	0	Add a single-lane northbound entrance ramp from eastbound I-690 in RM 2054 that feeds into an auxiliary lane	-9%	0*-0.09	0	See Attachment E for CRF Derivation
C23	1	Increase the existing northbound right shoulder width from between two and five feet to ten feet in RM 2054 and RM 2055	48%	1*0.48	0.48	2016 PIES - Reduction Factor Report
C40	9	Increase the substandard northbound horizontal stopping sight distance from 327 feet to greater than 570 feet by improving curve radius between RM 2054 and RM 2056	21%	9*0.21	1.89	2016 PIES - Reduction Factor Report
C23	0	Increase northbound left shoulder width from five feet to ten feet in RM 2055	48%	0*0.48	0	2016 PIES - Reduction Factor Report
N/A	45	Introduce 1450-foot northbound weaving area between the entrance ramp from eastbound I-690 in RM 2054 and exit ramp to Court Street in RM 2057.	-9%	45*-0.09	-4.05	See Attachment E for CRF Derivation
7440	4	Provide a 1450-foot northbound auxiliary lane between the entrance ramp from eastbound I-690 in RM 2054 and exit ramp to Court Street in RM 2057.	21%	4*0.21	0.84	CMF Clearinghouse
C40	9	Improve the northbound curve radius from 1215 feet to 4547 feet between RM 2054 and RM 2056.	21%	9*0.21	1.89	2016 PIES - Reduction Factor Report
C43	10	Improve existing substandard superelevation in RM 2055	6%	10*0.06	0.6	2016 PIES - Reduction Factor Report

**Crash Reduction Factor Derivations
I-81
Viaduct Alternative**

C40	0	Increase the southbound substandard horizontal stopping sight distance from 368 feet to greater than 570 feet by flattening curve in RM 2055	21%	0*0.21	0	2016 PIES - Reduction Factor Report
C43	16	Improve existing substandard superelevation between RM 2056 to RM 2057	6%	16*0.06	0.96	2016 PIES - Reduction Factor Report
C211	30	Reconfigure southbound ramps to eliminate nonsandard spacing between Bear Street entrance ramp and exit from Spencer Street. Specifically, eliminate the existing entrance and exit, provide entrance ramp from Genant Drive in RM 2058 with adequate acceleration length that extends into RM 2057, and provide exit to Genant Drive RM 2161. The exit to Genant Drive is a taper-type exit, and the existing entrance ramp from Hiawatha Boulevard is eliminated.	39%	30*0.39	11.7	2016 PIES - Reduction Factor Report
C43	25	Improve existing substandard northbound superelevation between RM 2058 to RM 2059	3%	25*0.03	0.75	2016 PIES - Reduction Factor Report
Use			49%	60.78/123	60.78	

Segment 12 (RM 2060-2161)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
C211	11	Widen northbound I-81 to have four through lanes between RM 2050 and RM 2164	39%	11*0.39	4.29	2016 PIES - Reduction Factor Report
C211	19	Provide four southbound through lanes between the exit to westbound I-690 in RM 2051 and entrance ramp from NY 370 in RM 2165	39%	19*0.39	7.41	2016 PIES - Reduction Factor Report
C211	18	Reconfigure southbound ramps to eliminate nonsandard spacing between Bear Street entrance ramp and exit from Spencer Street. Specifically, eliminate the existing entrance and exit, provide entrance ramp from Genant Drive in RM 2058 with adequate acceleration length that extends into RM 2057, and provide exit to Genant Drive RM 2161. The exit to Genant Drive is a taper-type exit, and the existing entrance ramp from Hiawatha Boulevard is eliminated.	39%	18*0.39	7.02	2016 PIES - Reduction Factor Report
C43	13	Improve existing substandard northbound superelevation between RM 2160 to RM 2161	6%	13*0.06	0.78	2016 PIES - Reduction Factor Report
7440	1	Relocate the existing northbound on-ramp from Court Street slightly to RM 2160. It joins northbound I-81 as an added lane that terminates onto the exit to NY 370 in RM 2163	21%	1*0.21	0.21	CMF Clearinghouse
Use			66%	19.71/30	19.71	

**Crash Reduction Factor Derivations
I-81
Viaduct Alternative**

Segment 13 (RM 2162-3004)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
C211	12	Widen northbound I-81 to have four through lanes between RM 2050 and RM 2164	39%	12*0.39	4.68	2016 PIES - Reduction Factor Report
C211	22	Provide four southbound through lanes between the exit to westbound I-690 in RM 2051 and entrance ramp from NY 370 in RM 2165	39%	22*0.39	8.58	2016 PIES - Reduction Factor Report
C211	36	Reconfigure southbound ramps to eliminate nonstandard spacing between Bear Street entrance ramp and exit from Spencer Street. Specifically, eliminate the existing entrance and exit, provide entrance ramp from Genant Drive in RM 2058 with adequate acceleration length that extends into RM 2057, and provide exit to Genant Drive RM 2161. The exit to Genant Drive is a taper-type exit, and the existing entrance ramp from Hiawatha Boulevard is eliminated.	39%	36*0.39	14.04	2016 PIES - Reduction Factor Report
7440	4	Relocate the existing northbound on-ramp from Court Street slightly to RM 2160. It joins northbound I-81 as an added lane that terminates onto the exit to NY 370 in RM 2163	21%	4*0.21	0.84	CMF Clearinghouse
C211	0	Develop a sixth northbound lane from the auxiliary lane in RM 2163 that drops onto the exit to NY 370. Modify the exit to NY 370 so that there are two drop lanes and an option lane onto the exit.	39%	0*0.39	0	2016 PIES - Reduction Factor Report
3064	3	Introduce a northbound right lane reduction in RM 2164	-20%	3*-0.2	-0.6	CMF Clearinghouse

Use 33% 27.54/83 27.54

**Crash Reduction Factor Derivations
I-690
Viaduct Alternative**

Alternative Improvements

Note: An existing segment not listed does not have any improvements proposed.

Segment 4 (RM 2018-2024)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
C211	0	Modify the eastbound exit to North West Street in RM 2019 to have a left lane that feeds from an option lane.	Reduction included in the widening Derivation below.			
C211	14	Widen eastbound I-690 to have three through lanes between RM 2019 and RM 2021	39%	14*0.39	5.46	2016 PIES - Reduction Factor Report
C211	7	Widen westbound I-690 to have three through lanes between RM 2019 and RM 2021	39%	7*0.39	2.73	2016 PIES - Reduction Factor Report
C43	6	Improve existing eastbound substandard superelevation from RM 2020 to RM 2022	3%	6*0.03	0.18	2016 PIES - Reduction Factor Report
C40	8	Flatten curve between RM 2020 and RM 2022, which in turn improves horizontal stopping sight distance	21%	8*0.21	1.68	2016 PIES - Reduction Factor Report
C23	10	Increase the westbound existing four to six-foot right shoulder width to ten feet from RM 2020 to RM 2031	48%	10*0.48	4.8	2016 PIES - Reduction Factor Report
N/A	0	Relocate existing eastbound exit to southbound I-81 from RM 2026 to RM 2021. It will serve both the exits to both directions of I-81 at this location, and will include two lanes. The right lane on the ramp is fed by a lane drop, while the left lane is fed by an option lane.	No Reduction Factor Applied as exit develops from existing lane drop to North West Street			
C23	7	Increase the existing four to six-foot right shoulder width to ten feet between RM 2021 and RM 2032	48%	7*0.48	3.36	2016 PIES - Reduction Factor Report
C40	37	Greatly increase curve radii between RM 2023 and RM 2029, which combined with wider shoulders improves horizontal stopping sight distances.	21%	37*0.21	7.77	2016 PIES - Reduction Factor Report
C23	6	Provide an eastbound ten-foot left shoulder between RM 2023 and 2031	48%	6*0.48	2.88	2016 PIES - Reduction Factor Report
N/A	3	Relocate existing westbound entrance ramp from northbound I-81 from RM 2025 to RM 2023	-100%	3*-1	-3	Crashes reassigned from RM 2025 to RM 2023 as existing feature is relocated.

Use 28% 25.86/94 25.86

**Crash Reduction Factor Derivations
I-690
Viaduct Alternative**

Segment 5 (RM 2025-2032)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
C23	9	Increase the westbound existing four to six-foot right shoulder width to ten feet from RM 2020 to RM 2031	48%	9*0.48	4.32	2016 PIES - Reduction Factor Report
N/A	9	Relocate existing eastbound exit to southbound I-81 from RM 2026 to RM 2021. It will serve both the exits to both directions of I-81 at this location, and will include two lanes. The right lane on the ramp is fed by a lane drop, while the left lane is fed by an option lane.	8%	9*0.08	0.72	See Attachment E for CRF Derivation
C23	15	Increase the existing four to six-foot eastbound right shoulder width to ten feet between RM 2021 and RM 2032	48%	15*0.48	7.2	2016 PIES - Reduction Factor Report
C40	37	Greatly increase curve radii between RM 2023 and RM 2029, which combined with wider shoulders improves horizontal stopping sight distances.	21%	37*0.21	7.77	2016 PIES - Reduction Factor Report
C23	6	Provide an eastbound ten-foot left shoulder between RM 2023 and 2031	48%	6*0.48	2.88	2016 PIES - Reduction Factor Report
N/A	3	Relocate existing westbound entrance ramp from northbound I-81 from RM 2025 to RM 2023	100%	3*1	3	Crashes reassigned from RM 2025 to RM 2023 as existing feature is relocated.
C43	5	Improve existing eastbound substandard superelevation from RM 2025 to RM 2027	3%	5*0.03	0.15	2016 PIES - Reduction Factor Report
C43	19	Improve existing westbound substandard superelevation from RM 2026 to RM 2029	43%	19*0.43	8.17	2016 PIES - Reduction Factor Report
N/A	26	Relocate eastbound entrance ramp from southbound I-81 in RM 2027 to be a right entrance ramp in RM 2028 that joins as an added third lane	8%	26*0.08	2.08	See Attachment E for CRF Derivation
N/A	22		-9%	22*-0.09	-1.98	See Attachment E for CRF Derivation
N/A	11	Eliminate eastbound entrance ramp from McBride Street in RM 2030	8%	11*0.08	0.88	See Attachment E for CRF Derivation
C20	13	Increase lane width from 11 feet to 12 feet for I-690 mainline between Almond and project East limit	6%	13*0.06	0.78	2016 PIES - Reduction Factor Report
N/A	6	Eliminate westbound exit to North Thompson Street in RM 2030	8%	6*0.08	0.48	See Attachment E for CRF Derivation
C43	8	Improve existing substandard superelevation in RM 2030 in both directions	3%	8*0.03	0.24	2016 PIES - Reduction Factor Report
N/A	5	Realign existing eastbound entrance ramp from northbound I-81 to merge in RM 2031 rather than RM 2034. It feeds into a standard acceleration lane that extends into RM 2031.	-9%	5*-0.09	-0.45	See Attachment E for CRF Derivation
N/A	3	Relocate and realign westbound left exit to southbound I-81 in RM 2032 to be a right exit that serves both southbound I-81 and a new exit to Almond Street in RM 2034. This exit includes a standard deceleration lane that extends through RM 2034.	8%	3*0.08	0.24	See Attachment E for CRF Derivation

Use 30% 36.48/122 36.48

**Crash Reduction Factor Derivations
I-690
Viaduct Alternative**

Segments 6 (RM 2033-2037)

Code(s)	Total Number of Crashes to Potentially Be Affected	Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
C20	10	Increase lane width from 11 feet to 12 feet for I-690 mainline between Almond and project East limit	6%	10*0.06	0.6	2016 PIES - Reduction Factor Report
N/A	9	Relocate and realign westbound left exit to southbound I-81 in RM 2032 to be a right exit that serves both southbound I-81 and a new exit to Almond Street in RM 2034. This exit includes a standard deceleration lane that extends through RM 2034.	-9%	9*-0.09	-0.81	See Attachment E for CRF Derivation
7440	1		21%	1*0.21	0.21	CMF Clearinghouse
N/A	0	Provide eastbound entrance ramp from Catherine Street in RM 2033 with an adequate acceleration lane that extends into RM 2034	No reduction factor calculated as existing ramp from northbound I-81 enters here.			
C23	9	Widen existing four-foot left shoulder to be ten-feet wide between RM 2034 and RM 2037 in both directions	48%	9*0.48	4.32	2016 PIES - Reduction Factor Report
C23	4	Increase right shoulder width from four feet to ten feet within RM 2036 and RM 2037 in both directions.	48%	4*0.48	1.92	2016 PIES - Reduction Factor Report
C40	0	Improve substandard westbound horizontal stopping sight distance from 438 feet to 570 feet by providing wider shoulder from RM 2035 to RM 2037	21%	0*0.21	0	2016 PIES - Reduction Factor Report
C43	19	Improve existing substandard superelevation between RM 2036 to RM 2037 in both directions	3%	19*0.03	0.57	2016 PIES - Reduction Factor Report
C40	0	Improve eastbound horizontal stopping sight distance from 444 feet to 570 feet by widening shoulder from RM 2036 to RM 2037	21%	0*0.21	0	2016 PIES - Reduction Factor Report

Use 10% 6.81/65 6.81

**Crash Reduction Factor Derivations
Local Streets
Viaduct Alternative**

Alternative Improvements

Note: An existing intersection not listed does not have any improvements proposed.

North West Street at NY 5 / West Genesee Street (D-1)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
N/A	0	Removed overhead ramp structure, changed to at-grade intersection.	Intersection is significantly modified and new estimated crashes will be developed for this alternative. See Attachment E			
N/A	0	Add a 94-foot eastbound left-turn lane.				
N/A	0	Add a northbound 138-foot left-turn bay.				
N/A	0	Add a northbound parking-lane				
N/A	0	Add southbound 150-foot double left-turn lane.				
N/A	0	Add a median in both directions on North West Street.				

Use 0% 0/10 0

North Franklin Street / Butternut Street at North Franklin Street (D-11)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
N/A	0	Realign Butternut Street to Intersect a North Clinton Street at traditional 90° angle, with one lane on each approach, parking on both sides of North Clinton Street and shows in both directions on North Clinton Street	Intersection is significantly modified and new estimated crashes will be developed for this alternative. See Attachment E			
N/A	0	Modify existing intersection to be standard unsignalized T-intersection, eliminating Webster landing and on-ramp approaches.				
N/A	0	Provide parking on both sides of the southern leg of the revised T-intersection.				
N/A	0	Provide sharrows on all legs of the revised T-intersection.				

Use 0% 0/19 0

**Crash Reduction Factor Derivations
Local Streets
Viaduct Alternative**

North Franklin Street at Herald Place (D-12)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
3036	1	Along north leg of Franklin Street, reduce from two lanes to one lane each way.	-20%	1*-0.2	-0.2	CMF Clearinghouse
5221	1	Add parking along both sides of Franklin Street north of the intersection.	-107%	1*-1.07	-1.07	CMF Clearinghouse

Use -9% -1.27/14 -1.27

North Clinton Street at Webster Landing (D-19)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
N/A	1	Eliminate intersection	100%	1*1	1	Intersection is eliminated

Use 100% 1/1 1

North Clinton Street at NY 5 / West Genesee Street

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
153	4	Remove eastbound parking	20%	4*0.2	0.8	CMF Clearinghouse
D211	2	Add one southbound lane.	39%	2*0.39	0.78	2016 PIES - Reduction Factor Report
153	0	Remove southbound parking.	20%	0*0.2	0	CMF Clearinghouse
3036	6	Remove westbound left-turn lane.	-20%	6*-0.2	-1.2	CMF Clearinghouse
D211	4	Provide two eastbound lanes on the eastern approach.	39%	4*0.39	1.56	2016 PIES - Reduction Factor Report

Use 12% 1.94/16 1.94

**Crash Reduction Factor Derivations
Local Streets
Viaduct Alternative**

North Salina Street at Herald Place (D-32)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
9245	0	Add paved trail along the northern approach.	-78%	0*-0.78	0	CMF Clearinghouse
<u>Use</u>			<u>0%</u>	<u>0/7</u>	<u>0</u>	

North / South McBride Street at NY 5 / Erie Boulevard East (D-93)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
3036	0	Reduce McBride Street from two lanes to one lane each way.	-20%	0*-0.2	0	CMF Clearinghouse
3247	0	Add a bike lane on both sides of McBride Street.	20%	0*0.2	0	CMF Clearinghouse
<u>Use</u>			<u>0%</u>	<u>0/15</u>	<u>0</u>	

Almond Street / Catherine Street at NY 5 / Erie Boulevard East

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
413	0	Widen the sidewalk along the west side of Almond Street to be 14 feet.	-12%	0*-0.12	0	CMF Clearinghouse
<u>Use</u>			<u>0%</u>	<u>0/12</u>	<u>0</u>	

Almond Street at NY 92 / East Water Street (D-101)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
5221	1	Add a parking lane along the northbound direction.	-54%	1*-0.54	-0.54	CMF Clearinghouse
413	0	Widen the sidewalk along the west side of Almond Street to be 14 feet.	-12%	0*-0.12	0	CMF Clearinghouse
<u>Use</u>			<u>-3%</u>	<u>-0.54/18</u>	<u>-0.54</u>	

Almond Street at NY 92 / East Washington Street (D-102)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
5221	0	Add a parking lane in both directions.	-107%	0*-1.07	0	CMF Clearinghouse
413	0	Widen the sidewalk along the west side of Almond Street to be 14 feet.	-12%	0*-0.12	0	CMF Clearinghouse
<u>Use</u>			<u>0%</u>	<u>0/4</u>	<u>0</u>	

**Crash Reduction Factor Derivations
Local Streets
Viaduct Alternative**

Almond Street at East Fayette Street (D-103)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
5221	3	Add a parking lane in both directions.	-107%	3*-1.07	-3.21	CMF Clearinghouse
413	0	Widen the sidewalk along the west side of Almond Street to be 14 feet.	-12%	0*-0.12	0	CMF Clearinghouse

Use -36% -3.21/9 -3.21

Almond Street at NY 92 / East Genesee Street (D-104)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
3036	1	Reduce the lanes on the northbound approach from three to two by removing the left-turn lane.	-20%	1*-0.2	-0.2	CMF Clearinghouse
N/A	0	Remove the median on the south leg of the intersection.	16%	0*0.16	0	See Attachment E for CRF Derivation
413	0	Widen the sidewalk along the west side of Almond Street to be 14 feet.	-12%	0*-0.12	0	CMF Clearinghouse
3036	0	Remove the westbound U-turn lane.	-20%	0*-0.2	0	CMF Clearinghouse
3036	1	Reduce the two through lanes on the eastbound direction from to one through lane and one 115-foot left-turn lane.	-20%	1*-0.2	-0.2	CMF Clearinghouse
N/A	0	Remove the median on the west side of the intersection.	16%	0*0.16	0	See Attachment E for CRF Derivation
3247	0	Improve bike path along south side of intersection.	20%	0*0.2	0	CMF Clearinghouse

Use -6% -0.4/7 -0.4

Almond Street at Harrison Street (D-107)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
3036	19	Modify the northbound approach from two through lanes, one shared through and right-turn lane, and two left-turn lanes to one through, one shared through and right-turn, and two left-turn lanes.	-20%	19*-0.2	-3.8	CMF Clearinghouse
413	1	Widen the sidewalk along the southbound direction from eight to 14 feet.	-12%	1*-0.12	-0.12	CMF Clearinghouse
3036	2	Modify westbound Harrison Street from two through lanes, one left-turn lane, and two right-turn lanes to be two through lanes, one left-turn lane, and one right-turn lane.	-20%	2*-0.2	-0.4	CMF Clearinghouse

Use -7% -4.32/61 -4.32

**Crash Reduction Factor Derivations
Local Streets
Viaduct Alternative**

Almond Street at East Adams Street (D-108)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
3036	19	On the northern leg, reduce the number of northbound lanes from four to three.	-20%	19*-0.2	-3.8	CMF Clearinghouse
3036	11	Along the southbound direction, modify the lanes from two through and two left-turn lanes to one through and two left-turn only lanes.	-20%	11*-0.2	-2.2	CMF Clearinghouse
413	0	Widen the sidewalk along the southbound direction from eight to 14 feet.	-12%	0*-0.12	0	CMF Clearinghouse
<u>Use</u>			<u>-8%</u>	<u>-6/71</u>	<u>-6</u>	

Almond Street at Burt Street (D-109)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
413	0	Widen the sidewalk along the southbound direction from eight to 14 feet.	-12%	0*-0.12	0	CMF Clearinghouse
<u>Use</u>			<u>0%</u>	<u>0/1</u>	<u>0</u>	

Almond Street at Van Buren Street (D-110)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
5650	2	Add a 197-foot northbound right-turn lane.	30%	2*0.3	0.6	CMF Clearinghouse
7996	0	Add a 110-foot westbound left-turn lane.	25%	0*0.252	0	CMF Clearinghouse
413	0	Widen the sidewalk along the southbound direction from eight to 14 feet.	12%	0*0.12	0	CMF Clearinghouse
9245	0	Add sidewalk along the south side of Van Buren Street	-78%	0*-0.78	0	CMF Clearinghouse
<u>Use</u>			<u>15%</u>	<u>0.6/4</u>	<u>0.6</u>	

West Street at Westbound I-690 Ramps

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
N/A	0	Install new signalized intersection with two lanes on each approach.	No CRF derived as crashes are estimated for this alternative as the intersection is new. See Appendix C for Crash Estimation.			

**Crash Reduction Factor Derivations
Local Streets
Viaduct Alternative**

West Street at Eastbound I-690 Ramps

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
N/A	0	Install new signalized intersection with two lanes on eastbound off-ramp and one lane on the eastbound on-ramp	No CRF derived as crashes are estimated for this alternative as the intersection is new. See Appendix C for Crash Estimation.			

Catherine Street at Westbound I-690 Off-Ramp (D-123)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
N/A	0	Add new signalized T-intersection.	Crashes are estimated for this intersection in this alternative as it is new. See Attachment E			
N/A	0	Provide two left-turn lanes and one right-turn lane on the westbound off-ramp				

Catherine Street at Eastbound I-690 On-Ramp (D-123)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
N/A	0	Add new signalized T-intersection.	Crashes are estimated for this intersection in this alternative as it is new. See Attachment E			
N/A	0	Provide two lanes on the on-ramp.				

MLK Jr E at Southbound I-81 On-ramp (D-125)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
N/A	0	Add new signalized T-intersection.	Crashes are estimated for this intersection in this alternative as it is new. See Attachment E			
N/A	0	Add flush median on western approach.				
N/A	0	Add westbound left-turn lane				

**Crash Reduction Factor Derivations
Local Streets
Viaduct Alternative**

MLK Jr E at Northbound I-81 Off-ramp (D-126)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
N/A	0	Add a northbound off-ramp approach to intersection.				Crashes are estimated for this intersection in this alternative as it is new. See Attachment E
N/A	0	On the west leg, widen to provide two westbound lanes.				
N/A	0	Add a 14-foot wide sidewalk along southbound direction.				
N/A	0	Signalize intersection.				

South Crouse Avenue at NY 92 / East Genesee Street (U-32)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
153	6	Remove northbound parking lane	20%	6*0.2	1.2	CMF Clearinghouse
N/A	13	Modify intersection from one-way northbound to two lane by removing parking lane and adding one southbound lane.	17%	13*0.17	2.21	See Attachment E for CRF Derivation
			<u>Use</u>	<u>16%</u>	<u>3.41/21</u>	<u>3.41</u>

South Crouse Avenue at Harrison Street (U-44)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
153	2	Remove northbound parking lane	20%	2*0.2	0.4	CMF Clearinghouse
N/A	4	Modify intersection from one-way northbound to two lane by removing parking lane and adding one southbound lane.	17%	4*0.17	0.68	See Attachment E for CRF Derivation
			<u>Use</u>	<u>14%</u>	<u>1.08/8</u>	<u>1.08</u>

**Crash Reduction Factor Derivations
Local Streets
Viaduct Alternative**

South Crouse Avenue at East Adams Street (U-52)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
N/A	4	Modify from one-way northbound to two-way with one southbound lane.	17%	4*0.17	0.68	See Attachment E for CRF Derivation
153	3	Remove parking lane.	20%	3*0.2	0.6	CMF Clearinghouse

Use 8% 1.28/16 1.28

Irving Avenue at Van Buren Street (U-63)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
153	2	Remove southbound parking lane.	20%	2*0.2	0.4	CMF Clearinghouse
5650	2	Add southbound right-turn lane.	30%	2*0.3	0.6	CMF Clearinghouse
7996	0	Add northbound left-turn lane.	25%	0*0.25	0	CMF Clearinghouse
7996	1	Add eastbound left-turn lane.	30%	1*0.3	0.3	CMF Clearinghouse
5650	1	Mark eastbound right-turn lane.	25%	1*0.25	0.25	CMF Clearinghouse

Use 39% 1.55/4 1.55

Southbound I-81 Off-Ramp / Genant Drive at Spencer Street (W-3)

Code(s)	Total Number of Crashes to Potentially Be Affected	Geometry Improvement Description	Reduction Factor	Reduction Derivation	Crashes Reduced	CRF Source
3247	0	Add a bike lane along spencer street in both directions.	20%	0*0.2	0	CMF Clearinghouse
3036	3	Reduce Genant Drive to a single lane.	-20%	3*-0.2	-0.6	CMF Clearinghouse
5221	2	Add parking along southbound direction.	-54%	2*-0.54	-1.08	CMF Clearinghouse

Use -15% -1.68/11 -1.68

Attachment G

January 1, 2015-December 31, 2016 Average Accident Rates for State Highways

AVERAGE ACCIDENT RATES FOR STATE HIGHWAYS BY FACILITY TYPE

(BASED ON ACCIDENT DATA January 1, 2015 TO December 31, 2016)

Average accident rates are based on both reportable and available non-reportable crashes.

MAINLINE ACCIDENTS ONLY: "Non-Intersection Accidents/MVM" is used for linear highway sections where there are no intersecting roads or ramp junctions within analysis limits. An example of the correct use of these rates would involve a linear section of highway which contains no intersections with other public highways, but may contain intersections with private roads or driveways.

MAINLINE & JUNCTURE ACCIDENTS: "Intersection & Non-Intersection Accidents/MVM" includes intersection and mainline accidents. They are used for analysis of linear highway sections where intersections are involved within the analysis limits and are the most commonly used rates for accident analysis purposes.

PARTIAL CONTROL OF ACCESS		MAINLINE ACCIDENTS ONLY			MAINLINE & JUNCTURE ACCIDENTS		
RURAL FUNCTION CLASS		ALL TYPES	WET ROAD	FIXED OBJECT	ALL TYPES	WET ROAD	FIXED OBJECT
UNDIVIDED		ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM
2 LANES		1.87	0.35	0.44	2.44	0.48	0.51
ALL LANES		1.91	0.35	0.43	2.47	0.48	0.53
DIVIDED							
4 LANES		1.85	0.29	0.81	1.97	0.32	0.85
ALL LANES		1.84	0.29	0.8	1.96	0.32	0.85
URBAN FUNCTION CLASS							
UNDIVIDED							
2 LANES		1.73	0.32	0.39	2.51	0.45	0.47
ALL LANES		2.02	0.39	0.35	3.11	0.58	0.43
DIVIDED							
4 LANES		1.62	0.27	0.32	1.94	0.32	0.34
6 LANES		1.73	0.27	0.25	2	0.32	0.27
ALL LANES		1.73	0.28	0.31	2.1	0.34	0.33
CONTROLLED ACCESS (FULL)							
RURAL FUNCTION CLASS							
UNDIVIDED							
2 LANES		2.13	0.36	0.56	2.64	0.44	0.67
ALL LANES		2.26	0.37	0.57	2.79	0.44	0.67
DIVIDED							
4 LANES		1.07	0.16	0.45	1.11	0.16	0.46
5 LANES		1.01	0.16	0.47	1.04	0.16	0.5
6 LANES		1.11	0.23	0.51	1.23	0.24	0.55
ALL LANES		1.08	0.16	0.45	1.11	0.17	0.46
URBAN FUNCTION CLASS							
UNDIVIDED		ALL TYPES	WET ROAD	FIXED OBJECT	ALL TYPES	WET ROAD	FIXED OBJECT
		ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM	ACC/MVM
ALL LANES		1.46	0.21	0.27	2.1	0.31	0.34
DIVIDED							
4 LANES		1.08	0.16	0.29	1.18	0.18	0.3
5 LANES		0.99	0.16	0.29	1.14	0.18	0.31
6 LANES		1.16	0.18	0.19	1.26	0.19	0.21
7 LANES		1.42	0.2	0.28	1.47	0.21	0.33
ALL LANES		1.12	0.17	0.22	1.22	0.19	0.24

INTERSECTION TYPE	ALL TYPES ACC/MEV	WET ROAD ACC/MEV	LEFT TURN ACC/MEV	REAR END CC/ME	OVER- TAKING ACC/MEV	RIGHT ANGLE ACC/MEV	RIGHT TURN ACC/MEV	HEAD ON ACC/MEV	SIDE- SWIPE ACC/MEV
URBAN FUNCTION CLASS									
3 LEGGED INTERSECTIONS									
SIGNAL 1-4 LANES	0.32	0.05	0.03	0.12	0.04	0.04	0.01	0	0.01
SIGNAL W/ LEFT TURN 5 & > LANES	0.14	0.02	0.01	0.05	0.03	0.02	0	0	0
SIGNAL W/O LEFT TURN 5 & > LANES	0.14	0.02	0.01	0.06	0.03	0.01	0	0	0
SIGN 1-3 LANES	0.18	0.03	0.02	0.06	0.01	0.02	0	0	0
SIGN 4 LANES	0.12	0.02	0.01	0.04	0.01	0.02	0	0	0
SIGN 5 & > LANES	0.06	0.01	0	0.02	0.01	0.01	0	0	0
NO CONTROL ALL LANES	0.05	0.01	0	0.02	0.01	0	0	0	0
4 LEGGED &> INTERSECTIONS									
SIGNAL 1-4 LANES	0.52	0.08	0.05	0.21	0.06	0.08	0.02	0.01	0.01
SIGNAL W/ LEFT TURN 5 & > LANES	0.25	0.04	0.01	0.11	0.04	0.03	0.01	0	0
SIGNAL W/O LEFT TURN 5 & > LANES	0.2	0.03	0.02	0.06	0.03	0.04	0.01	0	0
SIGN 1-3 LANES	0.29	0.04	0.03	0.08	0.02	0.07	0.01	0	0
SIGN 4 & > LANES	0.16	0.02	0.01	0.05	0.01	0.03	0	0	0
NO CONTROL ALL LANES	0.19	0.03	0.01	0.07	0.02	0.04	0.01	0	0
ON RAMP (ALL CONTROL)									
MERGE W/ 1 LANE	0.17	0	0.01	0.12	0.01	0.01	0	0	0
MERGE W/ 2 LANES	0.03	0	0	0.01	0	0	0	0	0
MERGE W/ 3&> LANES	0.01	0	0	0.01	0	0	0	0	0
OFF RAMP (ALL CONTROL)									
MERGE W/ 1 LANE	0.18	0.03	0	0.06	0.06	0.01	--	--	--
MERGE W/ 2 LANES	0.04	0.01	--	0.01	0.01	--	--	--	--
MERGE W/ 3&> LANES	0.02	0	--	0.01	--	--	--	--	--

Attachment H

Safety Benefits Evaluation Forms (Form TE-164)

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: No Build																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name I-81		State Highway No. 64-7		From or at Ref Mrkr. 81/ 3303 2008																																																																		
	At Intersection With (If Applicable) Segment 1		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 2009																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 36570		Future AADT: 35740		Volume Correction Factor (VCF): 0.989																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents:	4		a. Existing Accident Rate:	_____																																																																		
	b. Accidents Reduced:	0		b. Future Accident Rate:	_____																																																																		
SAFETY BENEFITS	c. Calculated RF (b/a):	0%		c. Difference (a-b):	_____																																																																		
			d. Calculated RF (c/a), (%):		_____																																																																		
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																																																							
CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.26</td> <td>29.04</td> <td>29.30</td> <td>70.70</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>1</td> <td>1</td> <td>3</td> <td>4</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>1.2</td> <td>1.2</td> <td>2.8</td> <td>4.0</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>0.2</td> <td>0.2</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>2.061</td> <td>2.061</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>							FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.26	29.04	29.30	70.70	100.0	b. actual	0	1	1	3	4	c. expected	0.0	1.2	1.2	2.8	4.0	d. difference	0	0.2	0.2			e. significance	1.91	2.061	2.061				NO	NO	NO			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____
	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
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PDO	_____	_____	_____																																																																				
Total	_____	_____	_____																																																																				
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 1.3 X VCF 0.989 X BEFORE COST/ACCIDENT \$39,400.00 = \$51,937.18 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.3 X VCF 0.989 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$51,937.18 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
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LOCATION	Route No. or Street Name I-81		State Highway No. 64-7		From or at Ref Mrkr. 81/ 3303 2010																																																																		
	At Intersection With (If Applicable) Segment 2		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 2015																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 30420		Future AADT: 29810		Volume Correction Factor (VCF): 0.990																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents:	38		a. Existing Accident Rate:	_____																																																																		
	b. Accidents Reduced:	0		b. Future Accident Rate:	_____																																																																		
SAFETY BENEFITS	c. Calculated RF (b/a):	0%		c. Difference (a-b):	_____																																																																		
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	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
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Total	_____	_____	_____																																																																				
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 12.7 X VCF 0.990 X BEFORE COST/ACCIDENT \$39,400.00 = \$494,062.88 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 12.7 X VCF 0.990 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$494,062.88 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
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		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-81		State Highway No. 64-7		From or at Ref Mrkr. 81/ 3303 2016																																									
	At Intersection With (If Applicable) Segment 3		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 2018																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 43450		Future AADT: 42970		Volume Correction Factor (VCF): 0.994																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
REDUCTION CALCULATION	a. Total Accidents: 9		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
REDUCTION CALCULATION	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
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TYPE	# ACC	COST/ACC	ACC. COST																																											
Fatal	_____	_____	_____																																											
Injury	_____	_____	_____																																											
F&I	_____	_____	_____																																											
PDO	_____	_____	_____																																											
Total	_____	_____	_____																																											
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																													
	ACC/YR 3.0 X VCF 0.994 X BEFORE COST/ACCIDENT \$39,400.00 = \$117,547.11																																													
SAFETY BENEFITS	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																													
	ACC/YR 3.0 X VCF 0.994 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$117,547.11																																													
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					\$0.00																																									

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: No Build																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name I-81		State Highway No. 64-7		From or at Ref Mrkr. 81/ 3303 2019																																																																		
	At Intersection With (If Applicable) Segment 4		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 2026																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 46450		Future AADT: 45380		Volume Correction Factor (VCF): 0.988																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 34		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																																																							
CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.26</td> <td>29.04</td> <td>29.30</td> <td>70.70</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>7</td> <td>7</td> <td>27</td> <td>34</td> </tr> <tr> <td>c. expected</td> <td>0.1</td> <td>9.9</td> <td>10.0</td> <td>24.0</td> <td>34.0</td> </tr> <tr> <td>d. difference</td> <td>0.1</td> <td>2.9</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>4.979</td> <td>5</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>							FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.26	29.04	29.30	70.70	100.0	b. actual	0	7	7	27	34	c. expected	0.1	9.9	10.0	24.0	34.0	d. difference	0.1	2.9	3			e. significance	1.91	4.979	5				NO	NO	NO			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total			
	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
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d. difference	0.1	2.9	3																																																																				
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Total																																																																							
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 11.3 X VCF 0.988 X BEFORE COST/ACCIDENT \$39,400.00 = \$441,390.27 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 11.3 X VCF 0.988 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$441,390.27 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-7	From or at Ref Mrkr. 81I 3303 2027
	At Intersection With (If Applicable) Segment 5		Route No. or Street Name	State Highway No. To Ref Mrkr. 81I 3303 2029

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative			
	Present AADT: 66860	Future AADT: 65050	Volume Correction Factor (VCF):	0.986

REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.000				
	Method II (Engineering Analysis)			Method III (For General Upgrading)	
	a. Total Accidents:	30	a. Existing Accident Rate:		
	b. Accidents Reduced:	0	b. Future Accident Rate:		
	c. Calculated RF (b/a):	0%	c. Difference (a-b):		
			d. Calculated RF (c/a), (%):		

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC		COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	X	\$0	=	\$0
	b. actual	0	3	3	27	30	Injury	0	X	\$0	=	\$0
	c. expected	0.1	8.7	8.8	21.2	30.0	F&I	3	X	\$125,300	=	\$375,900
	d. difference	0.1	5.7	5.8			PDO	27	X	\$3,800	=	\$102,600
	e. significance	1.91	4.718	4.74			Total	30		\$15,950		\$478,500
		NO	YES	YES								

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	10.0	X VCF	0.986
			X BEFORE COST/ACCIDENT	\$15,950.00
			=	\$157,341.05
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	10.0	X VCF	0.986
		X (1 - 0.000 RF)	X AVG. COST/ACC.	\$15,950
			=	\$157,341.05
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																													
		EVALUATION OF ALTERNATE NO.: No Build																																													
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																										
LOCATION	Route No. or Street Name I-81		State Highway No. 64-22		From or at Ref Mrkr. 81/ 3303 2030																																										
	At Intersection With (If Applicable) Segment 6		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 2032																																										
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																														
	Present AADT: 71140		Future AADT: 68750		Volume Correction Factor (VCF): 0.983																																										
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																														
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																												
SIGNIFICANCE	a. Total Accidents: 11		a. Existing Accident Rate: _____																																												
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																												
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																												
			d. Calculated RF (c/a), (%): _____																																												
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		FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																										
b. actual	0	1	1	10	11																																										
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Injury	_____	_____	_____																																												
F&I	_____	_____	_____																																												
PDO	_____	_____	_____																																												
Total	_____	_____	_____																																												
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 3.7 X VCF 0.983 X BEFORE COST/ACCIDENT \$39,400.00 = \$142,039.94																																															
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.7 X VCF 0.983 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$142,039.94																																															
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					\$0.00																																										

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-22	From or at Ref Mrkr. 81/ 3303 2033
	At Intersection With (If Applicable) Segment 7		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2035

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative			
	Present AADT: 71140	Future AADT: 68750	Volume Correction Factor (VCF):	0.983

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	18	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	12	18	Injury	_____	_____	_____
	c. expected	0.0	5.2	5.2	12.7	17.9	F&I	_____	_____	_____
	d. difference	0	0.8	0.8			PDO	_____	_____	_____
	e. significance	1.91	3.804	3.804						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	6.0	X VCF 0.983	X BEFORE COST/ACCIDENT \$39,400.00 = \$232,428.99
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	6.0	X VCF 0.983	X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$232,428.99
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81	State Highway No. 64-22	From or at Ref Mrkr. 81/ 3303 2036
	At Intersection With (If Applicable) Segment 8	Route No. or Street Name	To Ref Mrkr. 81/ 3303 2042

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative		
	Present AADT: 60380	Future AADT: 58550	Volume Correction Factor (VCF): 0.985

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	161	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	\$0	=	\$0
	b. actual	0	36	36	125	161	Injury	0	\$0	=	\$0
	c. expected	0.4	46.8	47.2	113.8	161.0	F&I	36	\$125,300	=	\$4,510,800
	d. difference	0.4	10.8	11.2			PDO	125	\$3,800	=	\$475,000
	e. significance	1.91	10.44	10.48			Total	161	\$30,968	=	\$4,985,800
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	53.7	X VCF	0.985
	X BEFORE COST/ACCIDENT	\$30,968.00	=	\$1,636,764.11
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	53.7	X VCF	0.985	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$30,968	=	\$1,636,764.11	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			
	\$0.00			

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 65-28	From or at Ref Mrkr. 81/ 3303 2043
	At Intersection With (If Applicable) Segment 9		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2048

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative			
	Present AADT: 57840	Future AADT: 56520	Volume Correction Factor (VCF):	0.989

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	103	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	\$0	=	\$0
	b. actual	0	19	19	84	103	Injury	0	\$0	=	\$0
	c. expected	0.3	29.9	30.2	72.8	103.0	F&I	19	\$125,300	=	\$2,380,700
	d. difference	0.3	10.9	11.2			PDO	84	\$3,800	=	\$319,200
	e. significance	1.91	8.431	8.472			Total	103	\$26,213	=	\$2,699,900
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	34.3	X VCF	0.989
			X BEFORE COST/ACCIDENT	\$26,786.00
			=	\$909,158.70
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	34.3	X VCF	0.989	
		X (1 - 0.000 RF)		
		X AVG. COST/ACC.	\$26,786	
		=	\$909,158.70	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																													
		EVALUATION OF ALTERNATE NO.: No Build																																													
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																										
LOCATION	Route No. or Street Name I-81		State Highway No. 65-28		From or at Ref Mrkr. 81/ 3303 2049																																										
	At Intersection With (If Applicable) Segment 10		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 2053																																										
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																														
	Present AADT: 70980		Future AADT: 70630		Volume Correction Factor (VCF): 0.998																																										
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																														
	Method II (Engineering Analysis) a. Total Accidents: 192 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		Method III (For General Upgrading) a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																												
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																														
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION <table border="1" style="display: inline-table; margin-top: 10px;"> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> <tr> <td>a. % by severity</td> <td>0.26</td> <td>29.04</td> <td>29.30</td> <td>70.70</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>1</td> <td>45</td> <td>46</td> <td>146</td> <td>192</td> </tr> <tr> <td>c. expected</td> <td>0.5</td> <td>55.8</td> <td>56.3</td> <td>135.7</td> <td>192.0</td> </tr> <tr> <td>d. difference</td> <td>0.5</td> <td>10.8</td> <td>10.3</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>11.35</td> <td>11.4</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </table>						FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.26	29.04	29.30	70.70	100.0	b. actual	1	45	46	146	192	c. expected	0.5	55.8	56.3	135.7	192.0	d. difference	0.5	10.8	10.3			e. significance	1.91	11.35	11.4				NO	NO	NO		
		FATAL	INJ.	F & I	PDO	TOTAL																																									
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PDO	_____	_____	_____																																												
Total																																															
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 64.0 X VCF 0.998 X BEFORE COST/ACCIDENT \$39,400.00 = \$2,515,383.04																																														
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 64.0 X VCF 0.998 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$2,515,383.04																																														
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00																																										

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-81		State Highway No. 65-28		From or at Ref Mrkr. 81/ 3303 2054																																									
	At Intersection With (If Applicable) Segment 11		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 2059																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 89620		Future AADT: 89410		Volume Correction Factor (VCF): 0.999																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
SIGNIFICANCE	a. Total Accidents: 123		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																														
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																														
ACC/YR 41.0 X VCF 0.999 X BEFORE COST/ACCIDENT \$30,968.00 = \$1,268,200.42																																														
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																														
ACC/YR 41.0 X VCF 0.999 X (1 - 0.000 RF) X AVG. COST/ACC. \$30,968 = \$1,268,200.42																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					\$0.00																																									

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-81		State Highway No. 65-28, 56-11		From or at Ref Mrkr. 81/ 3303 2060																																									
	At Intersection With (If Applicable) Segment 12		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 2161																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 88760		Future AADT: 88740		Volume Correction Factor (VCF): 1.000																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 30		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
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TYPE	# ACC	COST/ACC	ACC. COST																																											
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B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																														
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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: No Build																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name I-81		State Highway No. 56-11, 54-3		From or at Ref Mrkr. 81/ 3303 2162																																																																		
	At Intersection With (If Applicable) Segment 13		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 3004																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 69440		Future AADT: 69850		Volume Correction Factor (VCF): 1.003																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 83		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 27.7 X VCF 1.003 X BEFORE COST/ACCIDENT \$39,400.00 = \$1,093,284.75 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 27.7 X VCF 1.003 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$1,093,284.75 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 54-3	From or at Ref Mrkr. 81/ 3303 3005
	At Intersection With (If Applicable) Segment 14		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3009

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative			
	Present AADT: 79430	Future AADT: 80170	Volume Correction Factor (VCF):	1.005

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	43	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	14	14	29	43	Injury	_____	_____	_____
	c. expected	0.1	12.5	12.6	30.4	43.0	F&I	_____	_____	_____
	d. difference	0.1	1.5	1.4			PDO	_____	_____	_____
	e. significance	1.91	5.562	5.583						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	14.3	X VCF	1.005
	X BEFORE COST/ACCIDENT	\$39,400.00	=	\$567,363.97
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	14.3	X VCF	1.005	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$39,400	=	\$567,363.97	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 54-3, 57-6	From or at Ref Mrkr. 81/ 3303 3010
	At Intersection With (If Applicable) Segment 15		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3015

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative			
	Present AADT: 74360	Future AADT: 75050	Volume Correction Factor (VCF):	1.005

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	83	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	17	17	66	83	Injury	_____	_____	_____
	c. expected	0.2	24.1	24.3	58.7	83.0	F&I	_____	_____	_____
	d. difference	0.2	7.1	7.3			PDO	_____	_____	_____
	e. significance	1.91	7.607	7.637						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	27.7	X VCF	1.005
	X BEFORE COST/ACCIDENT	\$39,400.00	=	\$1,095,124.13
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	27.7	X VCF	1.005	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$39,400	=	\$1,095,124.13	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				
\$0.00				

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 57-8	From or at Ref Mrkr. 81/ 3303 3016
	At Intersection With (If Applicable) Segment 16		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3022

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative			
	Present AADT: 84070	Future AADT: 85090	Volume Correction Factor (VCF):	1.006

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	51	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	10	10	38	48	Injury	_____	_____	_____
	c. expected	0.1	14.8	14.9	36.1	51.0	F&I	_____	_____	_____
	d. difference	0.1	4.8	4.9			PDO	_____	_____	_____
	e. significance	1.91	6.029	6.048			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	17.0	X VCF	1.006
	X BEFORE COST/ACCIDENT	\$39,400.00	=	\$673,863.26
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	17.0	X VCF	1.006	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$39,400	=	\$673,863.26	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: No Build																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name I-81		State Highway No. 57-6		From or at Ref Mrkr. 81/ 3303 3023																																																																		
	At Intersection With (If Applicable) Segment 17		Route No. or Street Name		State Highway No. 81/ 3303 3045																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 57090		Future AADT: 58060		Volume Correction Factor (VCF): 1.008																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 111		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																																																							
CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.26</td> <td>29.04</td> <td>29.30</td> <td>70.70</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>29</td> <td>29</td> <td>82</td> <td>111</td> </tr> <tr> <td>c. expected</td> <td>0.3</td> <td>32.2</td> <td>32.5</td> <td>78.5</td> <td>111.0</td> </tr> <tr> <td>d. difference</td> <td>0.3</td> <td>3.2</td> <td>3.5</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>8.735</td> <td>8.773</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>							FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.26	29.04	29.30	70.70	100.0	b. actual	0	29	29	82	111	c. expected	0.3	32.2	32.5	78.5	111.0	d. difference	0.3	3.2	3.5			e. significance	1.91	8.735	8.773				NO	NO	NO			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____
	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
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Total	_____	_____	_____																																																																				
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 37.0 X VCF 1.008 X BEFORE COST/ACCIDENT \$39,400.00 = \$1,470,184.53 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 37.0 X VCF 1.008 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$1,470,184.53 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-81		State Highway No. 57-6		From or at Ref Mrkr. 81/ 3303 3046																																									
	At Intersection With (If Applicable) Segment 18		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 3051																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 66970		Future AADT: 67980		Volume Correction Factor (VCF): 1.008																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
REDUCTION CALCULATION	a. Total Accidents: 43		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
REDUCTION CALCULATION	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
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SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																													
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PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																													
		EVALUATION OF ALTERNATE NO.: No Build																																													
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																										
LOCATION	Route No. or Street Name I-81		State Highway No. 57-6		From or at Ref Mrkr. 81/ 3303 3052																																										
	At Intersection With (If Applicable) Segment 19		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 3062																																										
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																														
	Present AADT: 51500		Future AADT: 51800		Volume Correction Factor (VCF): 1.003																																										
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																														
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																												
SIGNIFICANCE	a. Total Accidents: 70		a. Existing Accident Rate: _____																																												
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																												
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																												
			d. Calculated RF (c/a), (%): _____																																												
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		FATAL	INJ.	F & I	PDO	TOTAL																																									
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Total	_____	_____	_____																																												
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 23.3 X VCF 1.003 X BEFORE COST/ACCIDENT \$39,400.00 = \$922,011.00																																															
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ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					\$0.00																																										

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2		From or at Ref Mrkr. 481/ 3301 1000																																									
	At Intersection With (If Applicable) Segment 1		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 1005																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 22310		Future AADT: 22400		Volume Correction Factor (VCF): 1.002																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 7		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																													
SAFETY BENEFITS	CHECK OF SEVERITY DISTRIBUTION																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
b. actual	0	2	2	5	7																																									
c. expected	0.0	2.0	2.0	4.9	6.9																																									
d. difference	0	0	0																																											
e. significance	1.91	2.552	2.552																																											
	NO	NO	NO																																											
BEFORE COST/ACCIDENT CALCULATION																																														
<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>					TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____																		
TYPE	# ACC	COST/ACC	ACC. COST																																											
Fatal	_____	_____	_____																																											
Injury	_____	_____	_____																																											
F&I	_____	_____	_____																																											
PDO	_____	_____	_____																																											
Total	_____	_____	_____																																											
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																														
ACC/YR 2.3 X VCF 1.002 X BEFORE COST/ACCIDENT \$39,400.00 = \$92,118.77																																														
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																														
ACC/YR 2.3 X VCF 1.002 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$92,118.77																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00																																										

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2, 16-2		From or at Ref Mrkr. 481/ 3301 2000																																									
	At Intersection With (If Applicable) Segment 2		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2005																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 26210		Future AADT: 26490		Volume Correction Factor (VCF): 1.005																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 13		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
b. actual	0	4	4	9	13																																									
c. expected	0.0	3.8	3.8	9.2	13.0																																									
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BEFORE COST/ACCIDENT CALCULATION																																														
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TYPE	# ACC	COST/ACC	ACC. COST																																											
Fatal	_____	_____	_____																																											
Injury	_____	_____	_____																																											
F&I	_____	_____	_____																																											
PDO	_____	_____	_____																																											
Total	_____	_____	_____																																											
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																														
ACC/YR 4.3 X VCF 1.005 X BEFORE COST/ACCIDENT \$39,400.00 = \$171,645.30																																														
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																														
ACC/YR 4.3 X VCF 1.005 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$171,645.30																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00																																										

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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2		From or at Ref Mrkr. 481/ 3301 2006																																									
	At Intersection With (If Applicable) Segment 3		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2023																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 29640		Future AADT: 30020		Volume Correction Factor (VCF): 1.006																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 29		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																													
SAFETY BENEFITS	CHECK OF SEVERITY DISTRIBUTION																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
b. actual	0	6	6	23	29																																									
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TYPE	# ACC	COST/ACC	ACC. COST																																											
Fatal	_____	_____	_____																																											
Injury	_____	_____	_____																																											
F&I	_____	_____	_____																																											
PDO	_____	_____	_____																																											
Total	_____	_____	_____																																											
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																														
ACC/YR 9.7 X VCF 1.006 X BEFORE COST/ACCIDENT \$39,400.00 = \$383,308.12																																														
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																														
ACC/YR 9.7 X VCF 1.006 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$383,308.12																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00																																										

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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2		From or at Ref Mrkr. 481/ 3301 2024																																									
	At Intersection With (If Applicable) Segment 4		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2031																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 25130		Future AADT: 25470		Volume Correction Factor (VCF): 1.007																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
SIGNIFICANCE	a. Total Accidents: 18		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																														
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
b. actual	0	0	0	18	18																																									
c. expected	0.0	5.2	5.2	12.7	17.9																																									
d. difference	0	5.2	5.2																																											
e. significance	1.91	3.804	3.804																																											
	NO	YES	YES																																											
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<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>TYPE</th> <th># ACC</th> <th></th> <th>COST/ACC</th> <th>=</th> <th>ACC. COST</th> </tr> <tr> <td>Fatal</td> <td>0</td> <td>X</td> <td>\$0</td> <td>=</td> <td>\$0</td> </tr> <tr> <td>Injury</td> <td>0</td> <td>X</td> <td>\$0</td> <td>=</td> <td>\$0</td> </tr> <tr> <td>F&I</td> <td>0</td> <td>X</td> <td>\$125,300</td> <td>=</td> <td>\$0</td> </tr> <tr> <td>PDO</td> <td>18</td> <td>X</td> <td>\$3,800</td> <td>=</td> <td>\$68,400</td> </tr> <tr> <td>Total</td> <td>18</td> <td></td> <td>\$3,800</td> <td></td> <td>\$68,400</td> </tr> </table>						TYPE	# ACC		COST/ACC	=	ACC. COST	Fatal	0	X	\$0	=	\$0	Injury	0	X	\$0	=	\$0	F&I	0	X	\$125,300	=	\$0	PDO	18	X	\$3,800	=	\$68,400	Total	18		\$3,800		\$68,400					
TYPE	# ACC		COST/ACC	=	ACC. COST																																									
Fatal	0	X	\$0	=	\$0																																									
Injury	0	X	\$0	=	\$0																																									
F&I	0	X	\$125,300	=	\$0																																									
PDO	18	X	\$3,800	=	\$68,400																																									
Total	18		\$3,800		\$68,400																																									
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																														
ACC/YR 6.0 X VCF 1.007 X BEFORE COST/ACCIDENT \$3,800.00 = \$22,954.24																																														
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																														
ACC/YR 6.0 X VCF 1.007 X (1 - 0.000 RF) X AVG. COST/ACC. \$3,800 = \$22,954.24																																														
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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: No Build																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2		From or at Ref Mrkr. 481/ 3301 2032																																																																		
	At Intersection With (If Applicable) Segment 5		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2042																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 33420		Future AADT: 34210		Volume Correction Factor (VCF): 1.012																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 24		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
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	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
a. % by severity	0.26	29.04	29.30	70.70	100.0																																																																		
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 8.0 X VCF 1.012 X BEFORE COST/ACCIDENT \$39,400.00 = \$318,925.43 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 8.0 X VCF 1.012 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$318,925.43 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																				
		EVALUATION OF ALTERNATE NO.: No Build																																																																				
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																	
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2, 61-17		From or at Ref Mrkr. 481/ 3301 2043																																																																	
	At Intersection With (If Applicable) Segment 6		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2049																																																																	
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																					
	Present AADT: 41180 Future AADT: 42470 Volume Correction Factor (VCF): 1.016																																																																					
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																					
	Method II (Engineering Analysis) a. Total Accidents: 85 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0% Method III (For General Upgrading) a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																																																					
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																																																					
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SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 28.3 X VCF 1.016 X BEFORE COST/ACCIDENT \$39,400.00 = \$1,133,818.40																																																																					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 28.3 X VCF 1.016 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$1,133,818.40																																																																					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00																																																																	

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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 61-17		From or at Ref Mrkr. 481/ 3301 2050																																									
	At Intersection With (If Applicable) Segment 7		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2057																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 58740		Future AADT: 59840		Volume Correction Factor (VCF): 1.009																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 14		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
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SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
b. actual	0	5	5	9	14																																									
c. expected	0.0	4.1	4.1	9.9	14.0																																									
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TYPE	# ACC	COST/ACC	ACC. COST																																											
Fatal	_____	_____	_____																																											
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																														
ACC/YR 4.7 X VCF 1.009 X BEFORE COST/ACCIDENT \$39,400.00 = \$185,588.26																																														
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																														
ACC/YR 4.7 X VCF 1.009 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$185,588.26																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00																																										

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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																													
		EVALUATION OF ALTERNATE NO.: No Build																																													
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																										
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 61-17, 68-5		From or at Ref Mrkr. 481/ 3301 2058																																										
	At Intersection With (If Applicable) Segment 8		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2067																																										
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																														
	Present AADT: 37700		Future AADT: 38630		Volume Correction Factor (VCF): 1.012																																										
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																														
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																												
SIGNIFICANCE	a. Total Accidents: 40		a. Existing Accident Rate: _____																																												
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																												
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																												
			d. Calculated RF (c/a), (%): _____																																												
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																															
CHECK OF SEVERITY DISTRIBUTION	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> <tr> <td>a. % by severity</td> <td>0.26</td> <td>29.04</td> <td>29.30</td> <td>70.70</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>7</td> <td>7</td> <td>33</td> <td>40</td> </tr> <tr> <td>c. expected</td> <td>0.1</td> <td>11.6</td> <td>11.7</td> <td>28.3</td> <td>40.0</td> </tr> <tr> <td>d. difference</td> <td>0.1</td> <td>4.6</td> <td>4.7</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>5.367</td> <td>5.389</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </table>						FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.26	29.04	29.30	70.70	100.0	b. actual	0	7	7	33	40	c. expected	0.1	11.6	11.7	28.3	40.0	d. difference	0.1	4.6	4.7			e. significance	1.91	5.367	5.389				NO	NO	NO		
		FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																										
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<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th colspan="4">BEFORE COST/ACCIDENT CALCULATION</th> </tr> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </table>					BEFORE COST/ACCIDENT CALCULATION				TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____															
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 13.3 X VCF 1.012 X BEFORE COST/ACCIDENT \$39,400.00 = \$531,812.91																																															
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 13.3 X VCF 1.012 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$531,812.91																																															
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LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7		From or at Ref Mrkr. 481/ 3301 2068																																																																		
	At Intersection With (If Applicable) Segment 9		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2074																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 51350		Future AADT: 52490		Volume Correction Factor (VCF): 1.011																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 16		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
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PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7		From or at Ref Mrkr. 481/ 3301 2075																																									
	At Intersection With (If Applicable) Segment 10		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2082																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 43770		Future AADT: 44800		Volume Correction Factor (VCF): 1.012																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
REDUCTION CALCULATION	a. Total Accidents: 52		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
REDUCTION CALCULATION	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
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SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																													
	ACC/YR 17.3 X VCF 1.012 X BEFORE COST/ACCIDENT \$39,400.00 = \$690,968.76																																													
SAFETY BENEFITS	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																													
	ACC/YR 17.3 X VCF 1.012 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$690,968.76																																													
SAFETY BENEFITS	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)																																													
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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: No Build																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7		From or at Ref Mrkr. 481/ 3301 2083																																																																		
	At Intersection With (If Applicable) Segment 11		Route No. or Street Name		State Highway No. 481/ 3301 2089																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 42500		Future AADT: 43620		Volume Correction Factor (VCF): 1.013																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 14		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
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	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 4.7 X VCF 1.013 X BEFORE COST/ACCIDENT \$39,400.00 = \$186,289.38 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 4.7 X VCF 1.013 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$186,289.38 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

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		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7		From or at Ref Mrkr. 481/ 3301 2090																																									
	At Intersection With (If Applicable) Segment 12		Route No. or Street Name		To Ref Mrkr. 481/ 3301 2094																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 32110		Future AADT: 32990		Volume Correction Factor (VCF): 1.014																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 10		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
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LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7		From or at Ref Mrkr. 481/ 3301 2095																																																																		
	At Intersection With (If Applicable) Segment 13		Route No. or Street Name		State Highway No. 481/ 3301 2098																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 34060		Future AADT: 35030		Volume Correction Factor (VCF): 1.014																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
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SIGNIFICANCE	a. Total Accidents: 10		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
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	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
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Total																																																																							
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 3.3 X VCF 1.014 X BEFORE COST/ACCIDENT \$39,400.00 = \$133,203.46 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.3 X VCF 1.014 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$133,203.46 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2099
	At Intersection With (If Applicable) Segment 14		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2101

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative			
	Present AADT: 26070	Future AADT: 26840	Volume Correction Factor (VCF):	1.015

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 6	a. Existing Accident Rate:		
b. Accidents Reduced: 0	b. Future Accident Rate:			
c. Calculated RF (b/a): 0%	c. Difference (a-b):			
	d. Calculated RF (c/a), (%):			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed in the No Build Alternative			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal			
	b. actual	0	3	3	3	6	Injury			
	c. expected	0.0	1.7	1.7	4.2	5.9	F&I			
	d. difference	0	1.3	1.3			PDO			
	e. significance	1.91	2.384	2.384			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	2.0	X VCF 1.015	X BEFORE COST/ACCIDENT \$39,400.00 = \$79,963.71
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	2.0	X VCF 1.015	X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$79,963.71
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
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		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7		From or at Ref Mrkr. 481/ 3301 2102																																																																		
	At Intersection With (If Applicable) Segment 15		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2126																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 32140		Future AADT: 32900		Volume Correction Factor (VCF): 1.012																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 28		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
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	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
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PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: No Build																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7		From or at Ref Mrkr. 481/ 3301 2127																																																																		
	At Intersection With (If Applicable) Segment 16		Route No. or Street Name		State Highway No. 481/ 3301 2133																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 27920		Future AADT: 28530		Volume Correction Factor (VCF): 1.011																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 19		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 6.3 X VCF 1.011 X BEFORE COST/ACCIDENT \$39,400.00 = \$252,259.25 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 6.3 X VCF 1.011 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$252,259.25 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No Build			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2134
	At Intersection With (If Applicable) Segment 17		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2137

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative			
	Present AADT: 38680	Future AADT: 39420	Volume Correction Factor (VCF):	1.010

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	6	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	6	6	Injury	_____	_____	_____
	c. expected	0.0	1.7	1.7	4.2	5.9	F&I	_____	_____	_____
	d. difference	0	1.7	1.7			PDO	_____	_____	_____
	e. significance	1.91	2.384	2.384			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	2.0	X VCF 1.010	X BEFORE COST/ACCIDENT \$39,400.00 = \$79,553.77
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	2.0	X VCF 1.010	X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$79,553.77
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				
				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
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		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7, 83-6, 69-5		From or at Ref Mrkr. 418/ 3301 2138																																																																		
	At Intersection With (If Applicable) Segment 18		Route No. or Street Name		State Highway No. To Ref Mrkr. 481 3301 1004																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 38020		Future AADT: 38620		Volume Correction Factor (VCF): 1.008																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 36		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
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	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 12.0 X VCF 1.008 X BEFORE COST/ACCIDENT \$39,400.00 = \$476,530.67 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 12.0 X VCF 1.008 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$476,530.67 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-690		State Highway No.		From or at Ref Mrkr. 690I 3301 2005																																									
	At Intersection With (If Applicable) Segment 1		Route No. or Street Name		State Highway No. To Ref Mrkr. 690I 3301 2010																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 64650		Future AADT: 65840		Volume Correction Factor (VCF): 1.009																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
SIGNIFICANCE	a. Total Accidents: 47		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
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TYPE	# ACC		COST/ACC	=	ACC. COST																																									
Fatal	0	X	\$0	=	\$0																																									
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PDO	41	X	\$3,800	=	\$155,800																																									
Total	47		\$19,311		\$907,600																																									
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																														
ACC/YR 15.7 X VCF 1.009 X BEFORE COST/ACCIDENT \$19,311.00 = \$305,323.39																																														
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																														
ACC/YR 15.7 X VCF 1.009 X (1 - 0.000 RF) X AVG. COST/ACC. \$19,311 = \$305,323.39																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					\$0.00																																									

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
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		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name I-690		State Highway No.		From or at Ref Mrkr. 690I 3301 2011																																																																		
	At Intersection With (If Applicable) Segment 2		Route No. or Street Name		To Ref Mrkr. 690I 3301 2015																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 57540		Future AADT: 58790		Volume Correction Factor (VCF): 1.011																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 35		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 11.7 X VCF 1.011 X BEFORE COST/ACCIDENT \$39,400.00 = \$464,659.57 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 11.7 X VCF 1.011 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$464,659.57 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2016
	At Intersection With (If Applicable) Segment 3		Route No. or Street Name	State Highway No. To Ref Mrkr. 690I 3301 2017

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative			
	Present AADT: 61040	Future AADT: 62810	Volume Correction Factor (VCF):	1.014

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	18	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	11	18	Injury	_____	_____	_____
	c. expected	0.0	5.2	5.2	12.7	17.9	F&I	_____	_____	_____
	d. difference	0	1.8	1.8			PDO	_____	_____	_____
	e. significance	1.91	3.804	3.804						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	6.0	X VCF	1.014
		X BEFORE COST/ACCIDENT	\$39,400.00	= \$239,827.49
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	6.0	X VCF	1.014
		X (1 - 0.000 RF)	X AVG. COST/ACC.	\$39,400
				= \$239,827.49
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2018
	At Intersection With (If Applicable) Segment 4		Route No. or Street Name	State Highway No. To Ref Mrkr. 690I 3301 2024

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative			
	Present AADT: 56030	Future AADT: 57460	Volume Correction Factor (VCF):	1.013

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	94	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	21	21	73	94	Injury	_____	_____	_____
	c. expected	0.2	27.3	27.5	66.5	94.0	F&I	_____	_____	_____
	d. difference	0.2	6.3	6.5			PDO	_____	_____	_____
	e. significance	1.91	8.073	8.101						
		NO	NO	NO			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	31.3	X VCF	1.013
		X BEFORE COST/ACCIDENT	\$39,400.00	=
			\$1,250,287.24	
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	31.3	X VCF	1.013	
	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$39,400	
			=	
			\$1,250,287.24	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

PREPARER'S SIGNATURE: _____

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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																													
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		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																										
LOCATION	Route No. or Street Name I-690		State Highway No.		From or at Ref Mrkr. 690I 3301 2025																																										
	At Intersection With (If Applicable) Segment 5		Route No. or Street Name		State Highway No. To Ref Mrkr. 690I 3301 2032																																										
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																														
	Present AADT: 58750		Future AADT: 59690		Volume Correction Factor (VCF): 1.008																																										
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																														
	Method II (Engineering Analysis) a. Total Accidents: 122 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		Method III (For General Upgrading) a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																												
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																														
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		FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																										
b. actual	0	27	27	95	122																																										
c. expected	0.3	35.4	35.7	86.3	122.0																																										
d. difference	0.3	8.4	8.7																																												
e. significance	1.91	9.138	9.175																																												
	NO	NO	NO																																												
BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>					TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____																			
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Fatal	_____	_____	_____																																												
Injury	_____	_____	_____																																												
F&I	_____	_____	_____																																												
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Total	_____	_____	_____																																												
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 40.7 X VCF 1.008 X BEFORE COST/ACCIDENT \$39,400.00 = \$1,615,084.80																																														
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 40.7 X VCF 1.008 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$1,615,084.80																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																															

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																													
		EVALUATION OF ALTERNATE NO.: No Build																																													
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																										
LOCATION	Route No. or Street Name I-690		State Highway No.		From or at Ref Mrkr. 690I 3301 2033																																										
	At Intersection With (If Applicable) Segment 6		Route No. or Street Name		State Highway No. To Ref Mrkr. 690I 3301 2037																																										
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																														
	Present AADT: 74110		Future AADT: 75100		Volume Correction Factor (VCF): 1.007																																										
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																														
	Method II (Engineering Analysis) a. Total Accidents: 65 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		Method III (For General Upgrading) a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																												
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																														
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION <table border="1" style="display: inline-table; margin-top: 10px;"> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> <tr> <td>a. % by severity</td> <td>0.26</td> <td>29.04</td> <td>29.30</td> <td>70.70</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>21</td> <td>21</td> <td>44</td> <td>65</td> </tr> <tr> <td>c. expected</td> <td>0.2</td> <td>18.9</td> <td>19.1</td> <td>46.0</td> <td>65.1</td> </tr> <tr> <td>d. difference</td> <td>0.2</td> <td>2.1</td> <td>1.9</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>6.774</td> <td>6.809</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </table>						FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.26	29.04	29.30	70.70	100.0	b. actual	0	21	21	44	65	c. expected	0.2	18.9	19.1	46.0	65.1	d. difference	0.2	2.1	1.9			e. significance	1.91	6.774	6.809				NO	NO	NO		
		FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																										
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TYPE	# ACC	COST/ACC	ACC. COST																																												
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PDO	_____	_____	_____																																												
Total																																															
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 21.7 X VCF 1.007 X BEFORE COST/ACCIDENT \$39,400.00 = \$859,368.53																																														
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 21.7 X VCF 1.007 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$859,368.53																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																															

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-690		State Highway No.		From or at Ref Mrkr. 690I 3301 2038																																									
	At Intersection With (If Applicable) Segment 7		Route No. or Street Name		State Highway No. To Ref Mrkr. 690I 3301 2042																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 65100		Future AADT: 65570		Volume Correction Factor (VCF): 1.004																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
SIGNIFICANCE	a. Total Accidents: 80		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																														
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
b. actual	0	15	15	65	80																																									
c. expected	0.2	23.2	23.4	56.6	80.0																																									
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TYPE	# ACC		COST/ACC	=	ACC. COST																																									
Fatal	0	X	\$0	=	\$0																																									
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PDO	65	X	\$3,800	=	\$247,000																																									
Total	80		\$26,581		\$2,126,500																																									
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																														
ACC/YR 26.7 X VCF 1.004 X BEFORE COST/ACCIDENT \$26,581.00 = \$711,385.41																																														
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																														
ACC/YR 26.7 X VCF 1.004 X (1 - 0.000 RF) X AVG. COST/ACC. \$26,581 = \$711,385.41																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					\$0.00																																									

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2042
	At Intersection With (If Applicable) Segment 8		Route No. or Street Name	To Ref Mrkr. 690I 3301 2046

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative			
	Present AADT: 67480	Future AADT: 68130	Volume Correction Factor (VCF):	1.005

REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.000				
	Method II (Engineering Analysis)			Method III (For General Upgrading)	
	a. Total Accidents:	25	a. Existing Accident Rate:		
b. Accidents Reduced:	0	b. Future Accident Rate:			
c. Calculated RF (b/a):	0%	c. Difference (a-b):			
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):			

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal			
	b. actual	0	6	6	19	25	Injury			
	c. expected	0.1	7.3	7.4	17.7	25.1	F&I			
	d. difference	0.1	1.3	1.4			PDO			
	e. significance	1.91	4.384	4.409			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	8.3	X VCF	1.005
	X BEFORE COST/ACCIDENT	\$39,400.00	=	\$329,914.67
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	8.3	X VCF	1.005	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$39,400	=	
\$329,914.67				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-690		State Highway No.		From or at Ref Mrkr. 690I 3301 2047																																									
	At Intersection With (If Applicable) Segment 9		Route No. or Street Name		To Ref Mrkr. 690I 3301 2052																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 62880		Future AADT: 63610		Volume Correction Factor (VCF): 1.006																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 56		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
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TYPE	# ACC	COST/ACC	ACC. COST																																											
Fatal	_____	_____	_____																																											
Injury	_____	_____	_____																																											
F&I	_____	_____	_____																																											
PDO	_____	_____	_____																																											
Total	_____	_____	_____																																											
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																													
	ACC/YR 18.7 X VCF 1.006 X BEFORE COST/ACCIDENT \$39,400.00 = \$739,735.84																																													
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																													
	ACC/YR 18.7 X VCF 1.006 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$739,735.84																																													
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00																																									

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																																	
		EVALUATION OF ALTERNATE NO.: No Build																																																																																	
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																														
LOCATION	Route No. or Street Name I-690		State Highway No.		From or at Ref Mrkr. 690I 3301 2053																																																																														
	At Intersection With (If Applicable) Segment 10		Route No. or Street Name		State Highway No. To Ref Mrkr. 690I 3301 2056																																																																														
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																																		
	Present AADT: 63320		Future AADT: 64030		Volume Correction Factor (VCF): 1.006																																																																														
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																																		
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																																
SIGNIFICANCE	a. Total Accidents: 30		a. Existing Accident Rate: _____																																																																																
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																																
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																																
			d. Calculated RF (c/a), (%): _____																																																																																
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	FATAL	INJ.	F & I	PDO	TOTAL																																																																														
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Fatal	0	X	\$0	=	\$0																																																																														
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 10.0 X VCF 1.006 X BEFORE COST/ACCIDENT \$20,000.00 = \$201,121.29 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 10.0 X VCF 1.006 X (1 - 0.000 RF) X AVG. COST/ACC. \$20,000 = \$201,121.29 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																																			

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: No Build																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name I-690		State Highway No.		From or at Ref Mrkr. 690I 3301 2057																																																																		
	At Intersection With (If Applicable) Segment 11		Route No. or Street Name		To Ref Mrkr. 690I 3301 3008																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																																																						
	Present AADT: 48710		Future AADT: 49410		Volume Correction Factor (VCF): 1.007																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 115		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
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	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
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Fatal	_____	_____	_____																																																																				
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Total	_____	_____	_____																																																																				
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 38.3 X VCF 1.007 X BEFORE COST/ACCIDENT \$39,400.00 = \$1,521,185.66 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 38.3 X VCF 1.007 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$1,521,185.66 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-690		State Highway No.		From or at Ref Mrkr. 690I 3301 3009																																									
	At Intersection With (If Applicable) Segment 12		Route No. or Street Name		State Highway No. To Ref Mrkr. 690I 3301 3019																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed in the No Build Alternative																																													
	Present AADT: 44930		Future AADT: 45520		Volume Correction Factor (VCF): 1.007																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
REDUCTION CALCULATION	a. Total Accidents: 35		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
REDUCTION CALCULATION	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed in the No Build Alternative																																													
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
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SIGNIFICANCE	BEFORE COST/ACCIDENT CALCULATION																																													
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TYPE	# ACC		COST/ACC	=	ACC. COST																																									
Fatal	0	X	\$0	=	\$0																																									
Injury	0	X	\$0	=	\$0																																									
F&I	4	X	\$125,300	=	\$501,200																																									
PDO	31	X	\$3,800	=	\$117,800																																									
Total	35		\$17,686		\$619,000																																									
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																													
	ACC/YR 11.7 X VCF 1.007 X BEFORE COST/ACCIDENT \$17,686.00 = \$207,691.43																																													
SAFETY BENEFITS	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																													
	ACC/YR 11.7 X VCF 1.007 X (1 - 0.000 RF) X AVG. COST/ACC. \$17,686 = \$207,691.43																																													
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					\$0.00																																									

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N West St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 14520	Future AADT: 14840	Volume Correction Factor (VCF):	1.011

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	10	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	6	10	Injury	_____	_____	_____
	c. expected	0.0	2.6	2.6	7.4	10.0	F&I	_____	_____	_____
	d. difference	0	1.4	1.4			PDO	_____	_____	_____
	e. significance	1.91	2.847	2.847			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	3.3	X VCF	1.011
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$110,538.11
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	3.3	X VCF	1.011	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$32,800	=	\$110,538.11	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Wallace St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 14450		Future AADT: 14790		Volume Correction Factor (VCF): 1.012	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 10			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	9	10	Injury	_____	_____	_____
	c. expected	0.0	2.6	2.6	7.4	10.0	F&I	_____	_____	_____
	d. difference	0	1.6	1.6			PDO	_____	_____	_____
	e. significance	1.91	2.847	2.847			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:							
	ACC/YR	3.3	X VCF	1.012	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$110,619.61
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:							
	ACC/YR	3.3	X VCF	1.012	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	= \$110,619.61
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)								\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Franklin St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Herald Pl		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 17570	Future AADT: 17860	Volume Correction Factor (VCF):	1.008

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	14	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	12	14	Injury	_____	_____	_____
	c. expected	0.0	3.7	3.7	10.3	14.0	F&I	_____	_____	_____
	d. difference	0	1.7	1.7			PDO	_____	_____	_____
	e. significance	1.91	3.3	3.3						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	4.7	X VCF	1.008
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$154,329.88
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	4.7	X VCF	1.008	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$32,800	=	\$154,329.88	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				
\$0.00				

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Franklin St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 13580	Future AADT: 13720	Volume Correction Factor (VCF):	1.005

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	32	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	25	32	Injury	_____	_____	_____
	c. expected	0.1	8.4	8.5	23.6	32.1	F&I	_____	_____	_____
	d. difference	0.1	1.4	1.5			PDO	_____	_____	_____
	e. significance	1.91	4.649	4.672						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	10.7	X VCF	1.005
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$351,670.10
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	10.7	X VCF	1.005	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	
\$351,670.10				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Franklin St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 20790		Future AADT: 21130		Volume Correction Factor (VCF): 1.008	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 32		a. Existing Accident Rate: _____			
	b. Accidents Reduced: 0		b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%		c. Difference (a-b): _____				
		d. Calculated RF (c/a), (%): _____				

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	7	7	25	32	Injury	_____	_____	_____		
	c. expected	0.1	8.4	8.5	23.6	32.1	F&I	_____	_____	_____		
	d. difference	0.1	1.4	1.5			PDO	_____	_____	_____		
	e. significance	1.91	4.649	4.672								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	ACC/YR 10.7 X VCF 1.008 X BEFORE COST/ACCIDENT \$32,800.00 = \$352,727.53					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 10.7 X VCF 1.008 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$352,727.53					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Clinton St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Websters Landing		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 4290		Future AADT: 4130		Volume Correction Factor (VCF): 0.981	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 1			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	1	1	0	1	Injury	_____	_____	_____		
	c. expected	0.0	0.3	0.3	0.7	1.0	F&I	_____	_____	_____		
	d. difference	0	0.7	0.7			PDO	_____	_____	_____		
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____		
		NO	NO	NO								

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	ACC/YR 0.3		X VCF 0.981		X BEFORE COST/ACCIDENT \$32,800.00 = \$10,729.45	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
ACC/YR 0.3		X VCF 0.981		X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$10,729.45		
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Clinton St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 19340		Future AADT: 19090		Volume Correction Factor (VCF): 0.994	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 16			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	15	16	Injury	_____	_____	_____
	c. expected	0.0	4.2	4.2	11.8	16.0	F&I	_____	_____	_____
	d. difference	0	3.2	3.2			PDO	_____	_____	_____
	e. significance	1.91	3.48	3.48						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:							
	ACC/YR	5.3	X VCF	0.994	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$173,802.69
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:							
	ACC/YR	5.3	X VCF	0.994	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	= \$173,802.69
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)								\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Clinton St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) W Washington St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 10580	Future AADT: 10390	Volume Correction Factor (VCF):	0.991

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 11	a. Existing Accident Rate:		
b. Accidents Reduced: 0	b. Future Accident Rate:			
c. Calculated RF (b/a): 0%	c. Difference (a-b):			
	d. Calculated RF (c/a), (%):			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	5	5	6	11	Injury			
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I			
	d. difference	0	2.1	2.1			PDO			
	e. significance	1.91	2.98	2.98			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	3.7	X VCF 0.991	X BEFORE COST/ACCIDENT \$32,800.00 = \$119,186.77
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	3.7	X VCF 0.991	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$119,186.77
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																																		
		EVALUATION OF ALTERNATE NO.: No-Build																																																																																		
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																															
LOCATION	Route No. or Street Name S Clinton St		State Highway No.		From or at Ref Mrkr.																																																																															
	At Intersection With (If Applicable) W Fayette St		Route No. or Street Name		To Ref Mrkr.																																																																															
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																																																																			
	Present AADT: 12020		Future AADT: 12200		Volume Correction Factor (VCF): 1.007																																																																															
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																																			
	Method II (Engineering Analysis) a. Total Accidents: 17 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		Method III (For General Upgrading) a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																																																																	
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																																																																			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6">CHECK OF SEVERITY DISTRIBUTION</th> <th colspan="4">BEFORE COST/ACCIDENT CALCULATION</th> </tr> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>1</td> <td>1</td> <td>16</td> <td>17</td> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>4.5</td> <td>4.5</td> <td>12.5</td> <td>17.0</td> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>3.5</td> <td>3.5</td> <td></td> <td></td> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>3.581</td> <td>3.581</td> <td></td> <td></td> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____	b. actual	0	1	1	16	17	Injury	_____	_____	_____	c. expected	0.0	4.5	4.5	12.5	17.0	F&I	_____	_____	_____	d. difference	0	3.5	3.5			PDO	_____	_____	_____	e. significance	1.91	3.581	3.581			Total	_____	_____	_____		NO	NO	NO					
CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION																																																																														
	FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST																																																																											
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b. actual	0	1	1	16	17	Injury	_____	_____	_____																																																																											
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e. significance	1.91	3.581	3.581			Total	_____	_____	_____																																																																											
	NO	NO	NO																																																																																	
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 5.7 X VCF 1.007 X BEFORE COST/ACCIDENT \$32,800.00 = \$187,258.35																																																																																			
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PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Clinton St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) W Onondaga St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 10710	Future AADT: 10790	Volume Correction Factor (VCF):	1.004

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	2	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	1.7	1.7			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	1.7	X VCF	1.004
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$54,870.84
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	1.7	X VCF	1.004	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	
\$54,870.84				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (W Adams St)		State Highway No. 62-7, 53-18		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Clinton St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 11560		Future AADT: 11640		Volume Correction Factor (VCF): 1.003	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 10			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%			c. Difference (a-b): _____		
				d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	2	2	8	10	Injury	_____	_____	_____		
	c. expected	0.0	2.6	2.6	7.4	10.0	F&I	_____	_____	_____		
	d. difference	0	0.6	0.6			PDO	_____	_____	_____		
	e. significance	1.91	2.847	2.847								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	ACC/YR 3.3 X VCF 1.003 X BEFORE COST/ACCIDENT \$32,800.00 = \$109,711.65					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 3.3 X VCF 1.003 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$109,711.65					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00					

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Salina St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Herald Pl		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 14440		Future AADT: 14490		Volume Correction Factor (VCF): 1.002	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 7			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%			c. Difference (a-b): _____		
				d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	26.48	26.74	73.26	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	6	7	Injury	_____	_____	_____
	c. expected	0.0	1.9	1.9	5.1	7.0	F&I	_____	_____	_____
	d. difference	0	0.9	0.9			PDO	_____	_____	_____
	e. significance	1.91	2.498	2.498						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:							
	ACC/YR	2.3	X VCF	1.002	X BEFORE COST/ACCIDENT	\$35,900.00	=	\$83,911.69
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:							
	ACC/YR	2.3	X VCF	1.002	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$35,900	= \$83,911.69
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)								\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (James St / W Genessee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Salina St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 22460		Future AADT: 22210		Volume Correction Factor (VCF): 0.994	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 35			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	14	14	21	35	Injury	_____	_____	_____
	c. expected	0.1	9.2	9.3	25.8	35.1	F&I	_____	_____	_____
	d. difference	0.1	4.8	4.7			PDO	_____	_____	_____
	e. significance	1.91	4.829	4.851						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	11.7	X VCF	0.994
		X BEFORE COST/ACCIDENT	\$32,800.00	=
			\$380,536.95	
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	11.7	X VCF	0.994	
	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	
			=	
			\$380,536.95	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Salina St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E/W Washington St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 12610		Future AADT: 12110		Volume Correction Factor (VCF): 0.980	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 11			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	7	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	1.1	1.1			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	3.7	X VCF 0.980	X BEFORE COST/ACCIDENT \$32,800.00 = \$117,882.32
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	3.7	X VCF 0.980	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$117,882.32
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Salina St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E/W Fayette St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 13880	Future AADT: 13650	Volume Correction Factor (VCF): 0.992	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 25	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	7	11	Injury	_____	_____	_____
	c. expected	0.0	6.6	6.6	18.4	25.0	F&I	_____	_____	_____
	d. difference	0	2.6	2.6			PDO	_____	_____	_____
	e. significance	1.91	4.203	4.203			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR 8.3	X VCF 0.992	X BEFORE COST/ACCIDENT \$32,800.00	= \$271,068.68
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR 8.3	X VCF 0.992	X (1 - 0.000 RF)	X AVG. COST/ACC. \$32,800 = \$271,068.68
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Salina St				State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St / Onondaga St		Route No. or Street Name		State Highway No.		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 13050	Future AADT: 12730	Volume Correction Factor (VCF): 0.988	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	22	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
c. Calculated RF (b/a):	0%	c. Difference (a-b):		
d. Calculated RF (c/a), (%):				

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	4	4	18	22	Injury			
	c. expected	0.0	5.8	5.8	16.2	22.0	F&I			
	d. difference	0	1.8	1.8			PDO			
	e. significance	1.91	3.982	3.982						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	7.3	X VCF 0.988	X BEFORE COST/ACCIDENT \$32,800.00 = \$237,584.27
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	7.3	X VCF 0.988	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$237,584.27
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E/W Adams St)		State Highway No. 53-18		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Salina St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 17120	Future AADT: 16940	Volume Correction Factor (VCF): 0.995	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 38	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	11	11	27	38	Injury	_____	_____	_____
	c. expected	0.1	10.0	10.1	28.0	38.1	F&I	_____	_____	_____
	d. difference	0.1	1	0.9			PDO	_____	_____	_____
	e. significance	1.91	5	5.024						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR 12.7	X VCF 0.995	X BEFORE COST/ACCIDENT \$32,800.00	= \$413,282.55
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR 12.7	X VCF 0.995	X (1 - 0.000 RF)	X AVG. COST/ACC. \$32,800 = \$413,282.55
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Pearl St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Hickory St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 7800		Future AADT: 6910		Volume Correction Factor (VCF): 0.943	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 3			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	2	3	Injury	_____	_____	_____
	c. expected	0.0	0.8	0.8	2.2	3.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	1.0	X VCF 0.943	X BEFORE COST/ACCIDENT \$32,800.00 = \$30,928.72
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	1.0	X VCF 0.943	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$30,928.72
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Pearl St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Willow St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 7390		Future AADT: 7120		Volume Correction Factor (VCF): 0.982	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 4		a. Existing Accident Rate: _____			
	b. Accidents Reduced: 0		b. Future Accident Rate: _____			
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	ACC. COST	
	a. % by severity	0.17	26.23	26.40	73.60	100.0		Fatal	_____	_____	_____	
	b. actual	0	1	1	3	4		Injury	_____	_____	_____	
	c. expected	0.0	1.0	1.0	2.9	3.9		F&I	_____	_____	_____	
	d. difference	0	0	0				PDO	_____	_____	_____	
	e. significance	1.91	1.91	1.91				Total	_____	_____	_____	
		NO	NO	NO								

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	ACC/YR 1.3		X VCF 0.982		X BEFORE COST/ACCIDENT \$32,800.00 = \$42,934.42	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.3		X VCF 0.982		X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$42,934.42	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00					

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Warren St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) E Willow St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 5730	Future AADT: 5690	Volume Correction Factor (VCF):	0.997

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	3	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	3	3	Injury	_____	_____	_____
	c. expected	0.0	0.8	0.8	2.2	3.0	F&I	_____	_____	_____
	d. difference	0	0.8	0.8			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	1.0	X VCF 0.997	X BEFORE COST/ACCIDENT \$32,800.00 = \$32,685.51
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	1.0	X VCF 0.997	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$32,685.51
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (James St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Warren St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 16960		Future AADT: 16880		Volume Correction Factor (VCF): 0.998	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 14			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	4	4	10	14	Injury	_____	_____	_____		
	c. expected	0.0	3.7	3.7	10.3	14.0	F&I	_____	_____	_____		
	d. difference	0	0.3	0.3			PDO	_____	_____	_____		
	e. significance	1.91	3.3	3.3								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	ACC/YR 4.7		X VCF 0.998		X BEFORE COST/ACCIDENT \$32,800.00 = \$152,705.66	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 4.7		X VCF 0.998		X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$152,705.66	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Warren St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Erie Blvd E		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 6570		Future AADT: 6670		Volume Correction Factor (VCF): 1.008	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 6			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	6	6	Injury	_____	_____	_____
	c. expected	0.0	1.6	1.6	4.4	6.0	F&I	_____	_____	_____
	d. difference	0	1.6	1.6			PDO	_____	_____	_____
	e. significance	1.91	2.324	2.324			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	2.0	X VCF	1.008
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$66,099.24
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	2.0	X VCF	1.008	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	
\$66,099.24				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				
\$0.00				

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Warren St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 9080	Future AADT: 9110	Volume Correction Factor (VCF):	1.002

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	8	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	7	8	Injury	_____	_____	_____
	c. expected	0.0	2.1	2.1	5.9	8.0	F&I	_____	_____	_____
	d. difference	0	1.1	1.1			PDO	_____	_____	_____
	e. significance	1.91	2.604	2.604						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	2.7	X VCF	1.002
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$87,611.16
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	2.7	X VCF	1.002	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$32,800	=	\$87,611.16	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				
\$0.00				

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E Adams St)		State Highway No. 53-18		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Warren St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 13190	Future AADT: 13180	Volume Correction Factor (VCF):	1.000

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	9	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	6	9	Injury	_____	_____	_____
	c. expected	0.0	2.4	2.4	6.6	9.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	2.754	2.754						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	3.0	X VCF	1.000
		X BEFORE COST/ACCIDENT	\$32,800.00	= \$98,362.70
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	3.0	X VCF	1.000
		X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800
				= \$98,362.70
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Oswego Blvd)		State Highway No. CITYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) NY 5 (James St)/James St		Route No. or Street Name CITYST		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 13750	Future AADT: 13680	Volume Correction Factor (VCF): 0.997	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 13	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	26.48	26.74	73.26	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	11	13	Injury	_____	_____	_____
	c. expected	0.0	3.4	3.4	9.5	12.9	F&I	_____	_____	_____
	d. difference	0	1.4	1.4			PDO	_____	_____	_____
	e. significance	1.91	3.185	3.185						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR 4.3 X VCF 0.997 X BEFORE COST/ACCIDENT \$35,900.00	=	\$155,170.68	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR 4.3 X VCF 0.997 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900	=	\$155,170.68	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) NY 5 (Oswego Blvd) / Montgomery St		Route No. or Street Name CTYST		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 6230		Future AADT: 6260		Volume Correction Factor (VCF): 1.002	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 7			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	7	7	Injury	_____	_____	_____
	c. expected	0.0	1.8	1.8	5.2	7.0	F&I	_____	_____	_____
	d. difference	0	1.8	1.8			PDO	_____	_____	_____
	e. significance	1.91	2.442	2.442			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:								
	ACC/YR	2.3	X VCF	1.002	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$76,717.60	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:								
	ACC/YR	2.3	X VCF	1.002	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	\$76,717.60
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)									\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Montgomery St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 8530	Future AADT: 8510	Volume Correction Factor (VCF):	0.999

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	7	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	4	7	Injury	_____	_____	_____
	c. expected	0.0	1.8	1.8	5.2	7.0	F&I	_____	_____	_____
	d. difference	0	1.2	1.2			PDO	_____	_____	_____
	e. significance	1.91	2.442	2.442			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	2.3	X VCF	0.999
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$76,443.61
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	2.3	X VCF	0.999	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$32,800	=	\$76,443.61	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E Adams St)		State Highway No. 53-18		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Montgomery St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 12290		Future AADT: 12260		Volume Correction Factor (VCF): 0.999	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 4			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	1	1	3	4	Injury	_____	_____	_____		
	c. expected	0.0	1.0	1.0	2.9	3.9	F&I	_____	_____	_____		
	d. difference	0	0	0			PDO	_____	_____	_____		
	e. significance	1.91	1.91	1.91								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	ACC/YR 1.3 X VCF 0.999 X BEFORE COST/ACCIDENT \$32,800.00				= \$43,679.96	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.3 X VCF 0.999 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800				= \$43,679.96	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Hickory St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 5410		Future AADT: 5020		Volume Correction Factor (VCF): 0.964	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 5			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	4	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	1.7	X VCF 0.964	X BEFORE COST/ACCIDENT \$32,800.00 = \$52,696.24
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	1.7	X VCF 0.964	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$52,696.24
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Hickory St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 9930	Future AADT: 9690	Volume Correction Factor (VCF):	0.988

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	4	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	1.7	X VCF 0.988	X BEFORE COST/ACCIDENT \$32,800.00 = \$54,006.04
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	1.7	X VCF 0.988	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$54,006.04
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) NY 5 (Erie Blvd E)		Route No. or Street Name CTYST		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 16600		Future AADT: 16770		Volume Correction Factor (VCF): 1.005	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 11 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	10	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	1.9	1.9			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:								
	ACC/YR	3.7	X VCF	1.005	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$120,882.49	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:								
	ACC/YR	3.7	X VCF	1.005	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	\$120,882.49
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)									\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Washington St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 12000		Future AADT: 12190		Volume Correction Factor (VCF): 1.008	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 13		a. Existing Accident Rate: _____			
	b. Accidents Reduced: 0		b. Future Accident Rate: _____			
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	3	3	10	13
	c. expected	0.0	3.4	3.4	9.6	13.0
	d. difference	0	0.4	0.4		
	e. significance	1.91	3.185	3.185		
		NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	4.3	X VCF 1.008	X BEFORE COST/ACCIDENT \$32,800.00 = \$143,258.56
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	4.3	X VCF 1.008	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$143,258.56
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 11400		Future AADT: 11650		Volume Correction Factor (VCF): 1.011	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 22			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	16	22	Injury	_____	_____	_____
	c. expected	0.0	5.8	5.8	16.2	22.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	3.982	3.982						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:								
	ACC/YR	7.3	X VCF	1.011	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$243,170.76	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:								
	ACC/YR	7.3	X VCF	1.011	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	\$243,170.76
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)									\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) NY 930C (E Adams St)		Route No. or Street Name 53-18, 66-7		State Highway No. 53-18, 66-7	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 16070	Future AADT: 16240	Volume Correction Factor (VCF): 1.005	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 27	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	0	\$0	=	\$0
	b. actual	0	12	12	15	27	Injury	0	\$0	=	\$0
	c. expected	0.0	7.1	7.1	19.9	27.0	F&I	12	\$125,300	=	\$1,503,600
	d. difference	0	4.9	4.9			PDO	15	\$3,800	=	\$57,000
	e. significance	1.91	4.333	4.333			Total	27	\$57,800	=	\$1,560,600
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	9.0	X VCF	1.005
	X BEFORE COST/ACCIDENT	\$57,800.00	=	\$522,951.52
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	9.0	X VCF	1.005	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$32,800	=	\$296,761.42	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$226,190.11

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Townsend St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Westbound I-690 Off-Ramp		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 26950	Future AADT: 13370	Volume Correction Factor (VCF):	0.748

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	3	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	0.7	0.7			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	1.7	X VCF 0.748	X BEFORE COST/ACCIDENT \$32,800.00 = \$40,893.51
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	1.7	X VCF 0.748	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$40,893.51
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Townsend St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 20980	Future AADT: 21340	Volume Correction Factor (VCF):	1.009

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	23	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	16	23	Injury	_____	_____	_____
	c. expected	0.0	6.0	6.0	16.9	22.9	F&I	_____	_____	_____
	d. difference	0	1	1			PDO	_____	_____	_____
	e. significance	1.91	4.039	4.039						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	7.7	X VCF	1.009
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$253,624.15
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	7.7	X VCF	1.009	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	
\$253,624.15				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Townsend St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) E Washington St		Route No. or Street Name	State Highway No. To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 13520	Future AADT: 13700	Volume Correction Factor (VCF):	1.007

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	8	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	6	8	Injury	_____	_____	_____
	c. expected	0.0	2.1	2.1	5.9	8.0	F&I	_____	_____	_____
	d. difference	0	0.1	0.1			PDO	_____	_____	_____
	e. significance	1.91	2.604	2.604						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	2.7	X VCF	1.007
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$88,048.92
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	2.7	X VCF	1.007	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$32,800	=	\$88,048.92	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Townsend St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) E Fayette St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 14920	Future AADT: 15110	Volume Correction Factor (VCF):	1.006

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	16	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	13	16	Injury	_____	_____	_____
	c. expected	0.0	4.2	4.2	11.8	16.0	F&I	_____	_____	_____
	d. difference	0	1.2	1.2			PDO	_____	_____	_____
	e. significance	1.91	3.48	3.48						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	5.3	X VCF	1.006
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$176,047.18
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	5.3	X VCF	1.006	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	
\$176,047.18				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 92 (E Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Townsend St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 15600	Future AADT: 15770	Volume Correction Factor (VCF):	1.005

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	11	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	7	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	1.1	1.1			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	3.7	X VCF	1.005
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$120,921.97
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	3.7	X VCF	1.005	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$32,800	=	\$120,921.97	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				
\$0.00				

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Townsend St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 17360		Future AADT: 17660		Volume Correction Factor (VCF): 1.009	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 12			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	10	12	Injury	_____	_____	_____
	c. expected	0.0	3.1	3.1	8.8	11.9	F&I	_____	_____	_____
	d. difference	0	1.1	1.1			PDO	_____	_____	_____
	e. significance	1.91	3.065	3.065						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	4.0	X VCF	1.009
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$132,333.64
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	4.0	X VCF	1.009	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	
\$132,333.64				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				
\$0.00				

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E Adams St)		State Highway No. 66-7		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Townsend St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 19760		Future AADT: 19900		Volume Correction Factor (VCF): 1.004	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 38		a. Existing Accident Rate: _____			
	b. Accidents Reduced: 0		b. Future Accident Rate: _____			
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION						
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	=	ACC. COST	
	a. % by severity	0.17	26.23	26.40	73.60	100.0		Fatal	0	X	\$0	=	\$0
	b. actual	0	4	4	34	38		Injury	0	X	\$0	=	\$0
	c. expected	0.1	10.0	10.1	28.0	38.1		F&I	4	X	\$125,300	=	\$501,200
	d. difference	0.1	6	6.1				PDO	34	X	\$3,800	=	\$129,200
	e. significance	1.91	5	5.024				Total	38		\$16,589		\$630,400
		NO	YES	YES									

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	ACC/YR 12.7 X VCF 1.004 X BEFORE COST/ACCIDENT \$16,589.00 = \$210,871.71					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 12.7 X VCF 1.004 X (1 - 0.000 RF) X AVG. COST/ACC. \$16,589 = \$210,871.71					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N McBride St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) EB I-690 Off-Ramp		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 7180		Future AADT: 7250		Volume Correction Factor (VCF): 1.005	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 1			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	1	1	Injury	_____	_____	_____
	c. expected	0.0	0.3	0.3	0.7	1.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	0.3	X VCF	1.005
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$10,986.63
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	0.3	X VCF	1.005	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	
\$10,986.63				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N/S McBride St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 13120		Future AADT: 13290		Volume Correction Factor (VCF): 1.006	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 15			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	9	15	Injury	_____	_____	_____
	c. expected	0.0	3.9	3.9	11.0	14.9	F&I	_____	_____	_____
	d. difference	0	2.1	2.1			PDO	_____	_____	_____
	e. significance	1.91	3.373	3.373			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:							
	ACC/YR	5.0	X VCF	1.006	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$165,062.50
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:							
	ACC/YR	5.0	X VCF	1.006	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	= \$165,062.50
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)								\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Catherine St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Burnet Av		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 6460		Future AADT: 6820		Volume Correction Factor (VCF): 1.028	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 13			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%			c. Difference (a-b): _____		
				d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	9	13	Injury	_____	_____	_____
	c. expected	0.0	3.4	3.4	9.6	13.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	3.185	3.185						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	4.3	X VCF	1.028
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$146,093.70
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	4.3	X VCF	1.028	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$32,800	=	\$146,093.70	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				
\$0.00				

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Almond St / Catherine St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 13020		Future AADT: 13170		Volume Correction Factor (VCF): 1.006	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 12			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	5	5	7	12	Injury	_____	_____	_____		
	c. expected	0.0	3.1	3.1	8.8	11.9	F&I	_____	_____	_____		
	d. difference	0	1.9	1.9			PDO	_____	_____	_____		
	e. significance	1.91	3.065	3.065								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	ACC/YR 4.0		X VCF 1.006		X BEFORE COST/ACCIDENT \$32,800.00 = \$131,955.76	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
ACC/YR 4.0		X VCF 1.006		X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$131,955.76		
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Water St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 7720		Future AADT: 7720		Volume Correction Factor (VCF): 1.000	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 18			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	4	4	14	18	Injury	_____	_____	_____		
	c. expected	0.0	4.7	4.7	13.2	17.9	F&I	_____	_____	_____		
	d. difference	0	0.7	0.7			PDO	_____	_____	_____		
	e. significance	1.91	3.647	3.647								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:						
	ACC/YR	6.0	X VCF	1.000	X BEFORE COST/ACCIDENT	\$32,800.00	= \$196,800.00
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:						
ACC/YR	6.0	X VCF	1.000	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	= \$196,800.00
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																				
		EVALUATION OF ALTERNATE NO.: No-Build																																																																				
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																	
LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.																																																																	
	At Intersection With (If Applicable) E Washington St		Route No. or Street Name		To Ref Mrkr.																																																																	
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																																																					
	Present AADT: 8400 Future AADT: 8510 Volume Correction Factor (VCF): 1.007																																																																					
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																					
	Method II (Engineering Analysis) a. Total Accidents: 4 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0% Method III (For General Upgrading) a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																																																					
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																																																					
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	FATAL	INJ.	F & I	PDO	TOTAL																																																																	
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Total	_____	_____	_____																																																																			
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 1.3 X VCF 1.007 X BEFORE COST/ACCIDENT \$32,800.00 = \$44,019.68																																																																					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.3 X VCF 1.007 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$44,019.68 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																					

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																				
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LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.																																																																	
	At Intersection With (If Applicable) E Fayette St		Route No. or Street Name		To Ref Mrkr.																																																																	
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																																																					
	Present AADT: 11170 Future AADT: 11310 Volume Correction Factor (VCF): 1.006																																																																					
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																					
	Method II (Engineering Analysis) a. Total Accidents: 9 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0% Method III (For General Upgrading) a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																																																					
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																																																					
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TYPE	# ACC	COST/ACC	ACC. COST																																																																			
Fatal	_____	_____	_____																																																																			
Injury	_____	_____	_____																																																																			
F&I	_____	_____	_____																																																																			
PDO	_____	_____	_____																																																																			
Total																																																																						
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 3.0 X VCF 1.006 X BEFORE COST/ACCIDENT \$32,800.00 = \$99,016.65																																																																					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.0 X VCF 1.006 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$99,016.65 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																					

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 92 (E Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Almond St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 19280	Future AADT: 19380	Volume Correction Factor (VCF): 1.003	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 7	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	4	7	Injury	_____	_____	_____
	c. expected	0.0	1.8	1.8	5.2	7.0	F&I	_____	_____	_____
	d. difference	0	1.2	1.2			PDO	_____	_____	_____
	e. significance	1.91	2.442	2.442			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR 2.3 X VCF 1.003 X BEFORE COST/ACCIDENT \$32,800.00	=	\$76,731.81	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR 2.3 X VCF 1.003 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800	=	\$76,731.81	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Southbound I-81 Off-ramp		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 12740		Future AADT: 12900		Volume Correction Factor (VCF): 1.006	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 3			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%			c. Difference (a-b): _____		
				d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	2	3	Injury	_____	_____	_____
	c. expected	0.0	0.8	0.8	2.2	3.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	1.0	X VCF 1.006	X BEFORE COST/ACCIDENT \$32,800.00 = \$33,005.97
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	1.0	X VCF 1.006	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$33,005.97
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																													
		EVALUATION OF ALTERNATE NO.: No-Build																																													
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																										
LOCATION	Route No. or Street Name Harrison St		State Highway No.		From or at Ref Mrkr.																																										
	At Intersection With (If Applicable) Southbound I-81 Off-ramp		Route No. or Street Name		To Ref Mrkr.																																										
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																														
	Present AADT: 10260		Future AADT: 10300		Volume Correction Factor (VCF): 1.002																																										
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																														
	Method II (Engineering Analysis) a. Total Accidents: 8 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		Method III (For General Upgrading) a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																												
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																														
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>0</td> <td>0</td> <td>8</td> <td>8</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>2.1</td> <td>2.1</td> <td>5.9</td> <td>8.0</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>2.1</td> <td>2.1</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>2.604</td> <td>2.604</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </table>						FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	0	0	8	8	c. expected	0.0	2.1	2.1	5.9	8.0	d. difference	0	2.1	2.1			e. significance	1.91	2.604	2.604				NO	NO	NO		
		FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.17	26.23	26.40	73.60	100.0																																										
b. actual	0	0	0	8	8																																										
c. expected	0.0	2.1	2.1	5.9	8.0																																										
d. difference	0	2.1	2.1																																												
e. significance	1.91	2.604	2.604																																												
	NO	NO	NO																																												
BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </table>					TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____																			
TYPE	# ACC	COST/ACC	ACC. COST																																												
Fatal	_____	_____	_____																																												
Injury	_____	_____	_____																																												
F&I	_____	_____	_____																																												
PDO	_____	_____	_____																																												
Total	_____	_____	_____																																												
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 2.7 X VCF 1.002 X BEFORE COST/ACCIDENT \$32,800.00 = \$87,637.17																																														
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.7 X VCF 1.002 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$87,637.17																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																															

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 43670		Future AADT: 43730		Volume Correction Factor (VCF): 1.001	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents:	61		a. Existing Accident Rate:		
b. Accidents Reduced:	0		b. Future Accident Rate:			
c. Calculated RF (b/a):	0%		c. Difference (a-b):			
d. Calculated RF (c/a), (%):			d. Calculated RF (c/a), (%):			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	16	16	45	61	Injury			
	c. expected	0.1	16.0	16.1	44.9	61.0	F&I			
	d. difference	0.1	0	0.1			PDO			
	e. significance	1.91	6.257	6.276			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	20.3	X VCF	1.001
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$667,391.50
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	20.3	X VCF	1.001	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	
\$667,391.50				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				
\$0.00				

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																				
		EVALUATION OF ALTERNATE NO.: No-Build																																																																				
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																	
LOCATION	Route No. or Street Name NY 930C (E Adams St)		State Highway No. 66-7		From or at Ref Mrkr.																																																																	
	At Intersection With (If Applicable) Almond St		Route No. or Street Name		To Ref Mrkr.																																																																	
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																																																					
	Present AADT: 41880		Future AADT: 41930		Volume Correction Factor (VCF): 1.001																																																																	
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																					
	Method II (Engineering Analysis) a. Total Accidents: 71 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		Method III (For General Upgrading) a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																																																			
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																																																					
	CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>24</td> <td>24</td> <td>47</td> <td>71</td> </tr> <tr> <td>c. expected</td> <td>0.1</td> <td>18.6</td> <td>18.7</td> <td>52.3</td> <td>71.0</td> </tr> <tr> <td>d. difference</td> <td>0.1</td> <td>5.4</td> <td>5.3</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>6.723</td> <td>6.74</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>						FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	24	24	47	71	c. expected	0.1	18.6	18.7	52.3	71.0	d. difference	0.1	5.4	5.3			e. significance	1.91	6.723	6.74				NO	NO	NO			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____
	FATAL	INJ.	F & I	PDO	TOTAL																																																																	
a. % by severity	0.17	26.23	26.40	73.60	100.0																																																																	
b. actual	0	24	24	47	71																																																																	
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d. difference	0.1	5.4	5.3																																																																			
e. significance	1.91	6.723	6.74																																																																			
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TYPE	# ACC	COST/ACC	ACC. COST																																																																			
Fatal	_____	_____	_____																																																																			
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PDO	_____	_____	_____																																																																			
Total	_____	_____	_____																																																																			
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 23.7 X VCF 1.001 X BEFORE COST/ACCIDENT \$32,800.00 = \$776,730.05																																																																					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 23.7 X VCF 1.001 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$776,730.05																																																																					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00																																																																	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Burt St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 8620	Future AADT: 8680	Volume Correction Factor (VCF): 1.003	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 1	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	1	1	Injury	_____	_____	_____
	c. expected	0.0	0.3	0.3	0.7	1.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR 0.3 X VCF 1.003 X BEFORE COST/ACCIDENT \$32,800.00	=	\$10,971.38	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR 0.3 X VCF 1.003 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800	=	\$10,971.38	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Van Buren St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 8900	Future AADT: 9360	Volume Correction Factor (VCF):	1.026

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	4	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	4	4	Injury	_____	_____	_____
	c. expected	0.0	1.0	1.0	2.9	3.9	F&I	_____	_____	_____
	d. difference	0	1	1			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	1.3	X VCF 1.026	X BEFORE COST/ACCIDENT \$32,800.00 = \$44,863.52
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	1.3	X VCF 1.026	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$44,863.52
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930B (West St)		State Highway No. 62-7		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Westbound I-690 Ramps		Route No. or Street Name		State Highway No. To Ref Mrkr.	
INTERSECTION DOES NOT EXIST IN NO-BUILD ALTERNATIVE						

PROJECT DATA	PROPOSED IMPROVEMENT: This intersection does not exist in the No-Build Alternative					
	Present AADT: 0		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 0			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	ACC/YR 0.0 X VCF 0.000 X BEFORE COST/ACCIDENT \$32,800.00 = \$0.00					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 0.0 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																																		
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LOCATION	Route No. or Street Name NY 930B (West St)		State Highway No. 62-7		From or at Ref Mrkr.																																																																															
	At Intersection With (If Applicable) Eastbound I-690 Ramps		Route No. or Street Name		To Ref Mrkr.																																																																															
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SIGNIFICANCE	Method II (Engineering Analysis) Method III (For General Upgrading)																																																																																			
	a. Total Accidents: 0 a. Existing Accident Rate: _____ b. Accidents Reduced: 0 b. Future Accident Rate: _____ c. Calculated RF (b/a): 0% c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																																																																			
SAFETY BENEFITS	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																																																																			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6">CHECK OF SEVERITY DISTRIBUTION</th> <th colspan="4">BEFORE COST/ACCIDENT CALCULATION</th> </tr> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>1.91</td> <td>1.91</td> <td></td> <td></td> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____	b. actual	0	0	0	0	0	Injury	_____	_____	_____	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____	d. difference	0	0	0			PDO	_____	_____	_____	e. significance	1.91	1.91	1.91			Total	_____	_____	_____		NO	NO	NO					
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PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.		
	Southbound I-81 Off-Ramp						
	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.		
		Willow St					
INTERSECTION DOES NOT EXIST IN NO-BUILD ALTERNATIVE							
PROJECT DATA	PROPOSED IMPROVEMENT:						
	<i>This intersection does not exist in the No-Build Alternative</i>						
	Present AADT: <u>0</u>		Future AADT: <u>0</u>		Volume Correction Factor (VCF): <u>0.000</u>		

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: <u>0.000</u>			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	<u>0</u>	a. Existing Accident Rate:	<u> </u>
	b. Accidents Reduced:	<u>0</u>	b. Future Accident Rate:	<u> </u>
	c. Calculated RF (b/a):	<u>0%</u>	c. Difference (a-b):	<u> </u>
		d. Calculated RF (c/a), (%):	<u> </u>	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	
	<i>No improvements are proposed at this intersection in the No Build Alternative.</i>	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	<u>0.17</u>	<u>26.23</u>	<u>26.40</u>	<u>73.60</u>	<u>100.0</u>	Fatal	<u> </u>	<u> </u>	<u> </u>
	b. actual	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	Injury	<u> </u>	<u> </u>	<u> </u>
	c. expected	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	F&I	<u> </u>	<u> </u>	<u> </u>
	d. difference	<u>0</u>	<u>0</u>	<u>0</u>			PDO	<u> </u>	<u> </u>	<u> </u>
	e. significance	<u>1.91</u>	<u>1.91</u>	<u>1.91</u>						
		<u>NO</u>	<u>NO</u>	<u>NO</u>			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	<u>0.0</u>	X VCF	<u>0.000</u>
	X BEFORE COST/ACCIDENT		<u>\$32,800.00</u>	
			= <u>\$0.00</u>	
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	<u>0.0</u>	X VCF	<u>0.000</u>	
X (1 - <u>0.000</u> RF)		X AVG. COST/ACC.	<u>\$32,800</u>	
		=	<u>\$0.00</u>	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Pearl St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) James St		Route No. or Street Name	State Highway No. To Ref Mrkr.
	INTERSECTION DOES NOT EXIST IN NO-BUILD ALTERNATIVE			

PROJECT DATA	PROPOSED IMPROVEMENT: <i>This intersection does not exist in the No-Build Alternative</i>			
	Present AADT: <u>0</u>	Future AADT: <u>0</u>	Volume Correction Factor (VCF):	<u>0.000</u>

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: <u>0.000</u>			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	<u>0</u>	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	<u>0</u>	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	<u>0%</u>	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <i>No improvements are proposed at this intersection in the No Build Alternative.</i>			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	<u>0.17</u>	<u>26.23</u>	<u>26.40</u>	<u>73.60</u>	<u>100.0</u>	Fatal	_____	_____	_____
	b. actual	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	Injury	_____	_____	_____
	c. expected	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	F&I	_____	_____	_____
	d. difference	<u>0</u>	<u>0</u>	<u>0</u>			PDO	_____	_____	_____
	e. significance	<u>1.91</u>	<u>1.91</u>	<u>1.91</u>			Total			
		<u>NO</u>	<u>NO</u>	<u>NO</u>						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	<u>0.0</u>	X VCF	<u>0.000</u>
	X BEFORE COST/ACCIDENT	<u>\$32,800.00</u>	=	<u>\$0.00</u>
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	<u>0.0</u>	X VCF	<u>0.000</u>	X (1 - <u>0.000</u> RF)
X AVG. COST/ACC.	<u>\$32,800</u>	=	<u>\$0.00</u>	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) MLK Jr E		Route No. or Street Name		State Highway No.	
	INTERSECTION DOES NOT EXIST IN NO-BUILD ALTERNATIVE		To Ref Mrkr.			

PROJECT DATA	PROPOSED IMPROVEMENT: This intersection does not exist in the No-Build Alternative			
	Present AADT: 0		Future AADT: 0	
	Volume Correction Factor (VCF): 0.000			

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	0	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	0	0	0	0	Injury			
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I			
	d. difference	0	0	0			PDO			
	e. significance	1.91	1.91	1.91			Total			
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	0.0	X VCF	0.000
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$0.00
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	0.0	X VCF	0.000	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$32,800	=	\$0.00	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.		
	Catherine St						
	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.		
		Westbound I-690 Off-Ramp					
INTERSECTION DOES NOT EXIST IN NO-BUILD ALTERNATIVE							

PROJECT DATA	PROPOSED IMPROVEMENT:					
	<i>This intersection does not exist in the No-Build Alternative</i>					
	Present AADT: <u>0</u>		Future AADT: <u>0</u>		Volume Correction Factor (VCF): <u>0.000</u>	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: <u>0.000</u>					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: <u>0</u>			a. Existing Accident Rate: _____		
	b. Accidents Reduced: <u>0</u>			b. Future Accident Rate: _____		
	c. Calculated RF (b/a): <u>0%</u>			c. Difference (a-b): _____		
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	<i>No improvements are proposed at this intersection in the No Build Alternative.</i>					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	0	0	0	0
	c. expected	0.0	0.0	0.0	0.0	0.0
	d. difference	0	0	0		
	e. significance	1.91	1.91	1.91		
		NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	<u>0.0</u>	X VCF <u>0.000</u>	X BEFORE COST/ACCIDENT <u>\$32,800.00</u> = <u>\$0.00</u>
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	<u>0.0</u>	X VCF <u>0.000</u>	X (1 - <u>0.000</u> RF) X AVG. COST/ACC. <u>\$32,800</u> = <u>\$0.00</u>
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																				
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LOCATION	Route No. or Street Name <i>Catherine St</i>		State Highway No.		From or at Ref Mrkr.																																																																	
	At Intersection With (If Applicable) <i>Eastbound I-690 On-Ramp</i>		Route No. or Street Name		State Highway No. To Ref Mrkr.																																																																	
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	a. Total Accidents: <u>0</u> b. Accidents Reduced: <u>0</u> c. Calculated RF (b/a): <u>0%</u>		a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																																																			
SAFETY BENEFITS	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <i>No improvements are proposed at this intersection in the No Build Alternative.</i>																																																																					
	CHECK OF SEVERITY DISTRIBUTION <table border="1"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>1.91</td> <td>1.91</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table>			FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	0	0	0	0	c. expected	0.0	0.0	0.0	0.0	0.0	d. difference	0	0	0			e. significance	1.91	1.91	1.91				NO	NO	NO			BEFORE COST/ACCIDENT CALCULATION <table border="1"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total		
	FATAL	INJ.	F & I	PDO	TOTAL																																																																	
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	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR <u>0.0</u> X VCF <u>0.000</u> X (1 - <u>0.000</u> RF) X AVG. COST/ACC. <u>\$32,800</u> = <u>\$0.00</u>																																																																					
SAFETY BENEFITS		ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00																																																																	

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name MLK JR E		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Southbound I-81 On-Ramp		Route No. or Street Name	To Ref Mrkr.

INTERSECTION DOES NOT EXIST IN NO-BUILD ALTERNATIVE

PROJECT DATA	PROPOSED IMPROVEMENT: <i>This intersection does not exist in the No-Build Alternative</i>			
	Present AADT: <u>0</u>	Future AADT: <u>0</u>	Volume Correction Factor (VCF):	<u>0.000</u>

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: <u>0.000</u>			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	<u>0</u>	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	<u>0</u>	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	<u>0%</u>	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <i>No improvements are proposed at this intersection in the No Build Alternative.</i>			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	<u>0.17</u>	<u>26.23</u>	<u>26.40</u>	<u>73.60</u>	<u>100.0</u>	Fatal	_____	_____	_____
	b. actual	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	Injury	_____	_____	_____
	c. expected	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	F&I	_____	_____	_____
	d. difference	<u>0</u>	<u>0</u>	<u>0</u>			PDO	_____	_____	_____
	e. significance	<u>1.91</u>	<u>1.91</u>	<u>1.91</u>			Total			
		<u>NO</u>	<u>NO</u>	<u>NO</u>						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	<u>0.0</u>	X VCF	<u>0.000</u>
	X BEFORE COST/ACCIDENT	<u>\$32,800.00</u>	=	<u>\$0.00</u>
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	<u>0.0</u>	X VCF	<u>0.000</u>
	X (1 - <u>0.000</u> RF)	X AVG. COST/ACC.	<u>\$32,800</u>	=
				<u>\$0.00</u>
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name MLK JR E		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Northbound I-81 Off-Ramp		Route No. or Street Name	To Ref Mrkr.
	INTERSECTION DOES NOT EXIST IN NO-BUILD ALTERNATIVE			

PROJECT DATA	PROPOSED IMPROVEMENT: This intersection does not exist in the No-Build Alternative			
	Present AADT: <u>0</u>	Future AADT: <u>0</u>	Volume Correction Factor (VCF):	<u>0.000</u>

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: <u>0.000</u>			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	<u>0</u>	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	<u>0</u>	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	<u>0%</u>	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	Injury	_____	_____	_____
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____
	d. difference	<u>0</u>	<u>0</u>	<u>0</u>			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	<u>0.0</u>	X VCF	<u>0.000</u>
	X BEFORE COST/ACCIDENT	<u>\$32,800.00</u>	=	<u>\$0.00</u>
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	<u>0.0</u>	X VCF	<u>0.000</u>	X (1 - <u>0.000</u> RF)
X AVG. COST/ACC.	<u>\$32,800</u>	=	<u>\$0.00</u>	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.		
	BL-81 Ramps						
	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.		
		East Glen Avenue					
INTERSECTION DOES NOT EXIST IN NO-BUILD ALTERNATIVE							

PROJECT DATA	PROPOSED IMPROVEMENT:					
	This intersection does not exist in the No-Build Alternative					
	Present AADT: 0		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 0			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%			c. Difference (a-b): _____		
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	0	0	0	0	Injury	_____	_____	_____		
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____		
	d. difference	0	0	0			PDO	_____	_____	_____		
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____		
		NO	NO	NO								

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:						
	ACC/YR	0.0	X VCF	0.000	X BEFORE COST/ACCIDENT	\$32,800.00	= \$0.00
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:						
	ACC/YR	0.0	X VCF	0.000	X (1 - 0.000 RF)	X AVG. COST/ACC. \$32,800	= \$0.00
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.		
	E Brighton Av						
	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.		
		East Glen Avenue					
INTERSECTION DOES NOT EXIST IN NO-BUILD ALTERNATIVE							

PROJECT DATA	PROPOSED IMPROVEMENT:					
	<i>This intersection does not exist in the No-Build Alternative</i>					
	Present AADT: <u>0</u>		Future AADT: <u>0</u>		Volume Correction Factor (VCF): <u>0.000</u>	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: <u>0.000</u>					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: <u>0</u>			a. Existing Accident Rate: _____		
	b. Accidents Reduced: <u>0</u>			b. Future Accident Rate: _____		
c. Calculated RF (b/a): <u>0%</u>			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	<i>No improvements are proposed at this intersection in the No Build Alternative.</i>					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	Injury	_____	_____	_____
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____
	d. difference	<u>0</u>	<u>0</u>	<u>0</u>			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:						
	ACC/YR	<u>0.0</u>	X VCF	<u>0.000</u>	X BEFORE COST/ACCIDENT	<u>\$32,800.00</u>	= <u>\$0.00</u>
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:						
	ACC/YR	<u>0.0</u>	X VCF	<u>0.000</u>	X (1 - <u>0.000</u> RF)	X AVG. COST/ACC.	<u>\$32,800</u> = <u>\$0.00</u>
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)							
						\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Salina St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) SB I-81 Exit 19 Off-Ramp		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 11120	Future AADT: 11240	Volume Correction Factor (VCF):	1.005

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	1	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.16	27.60	27.76	72.24	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	1	1	Injury	_____	_____	_____
	c. expected	0.0	0.3	0.3	0.7	1.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	0.3	X VCF	1.005
	X BEFORE COST/ACCIDENT	\$33,000.00	=	\$11,059.35
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	0.3	X VCF	1.005	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$33,000	=	\$11,059.35	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Crouse Av		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Burnet Av		Route No. or Street Name	State Highway No. To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 6390	Future AADT: 6350	Volume Correction Factor (VCF): 0.997	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	1	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	0	0	1	1	Injury			
	c. expected	0.0	0.3	0.3	0.7	1.0	F&I			
	d. difference	0	0.3	0.3			PDO			
	e. significance	1.91	1.91	1.91			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	0.3	X VCF 0.997	X BEFORE COST/ACCIDENT \$32,800.00 = \$10,899.11
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	0.3	X VCF 0.997	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$10,899.11
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: No-Build																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.																																																																		
	At Intersection With (If Applicable) Crouse Av		Route No. or Street Name		To Ref Mrkr.																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																																																						
	Present AADT: 12150		Future AADT: 12400		Volume Correction Factor (VCF): 1.010																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 4		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																																																							
CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>2</td> <td>2</td> <td>2</td> <td>4</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>1.0</td> <td>1.0</td> <td>2.9</td> <td>3.9</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>1</td> <td>1</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>1.91</td> <td>1.91</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>							FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	2	2	2	4	c. expected	0.0	1.0	1.0	2.9	3.9	d. difference	0	1	1			e. significance	1.91	1.91	1.91				NO	NO	NO			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____
	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
a. % by severity	0.17	26.23	26.40	73.60	100.0																																																																		
b. actual	0	2	2	2	4																																																																		
c. expected	0.0	1.0	1.0	2.9	3.9																																																																		
d. difference	0	1	1																																																																				
e. significance	1.91	1.91	1.91																																																																				
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 1.3 X VCF 1.010 X BEFORE COST/ACCIDENT \$32,800.00 = \$44,183.26 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.3 X VCF 1.010 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$44,183.26 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Crouse Av		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) E Water St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 5190	Future AADT: 4950	Volume Correction Factor (VCF):	0.977

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	4	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	1.7	X VCF 0.977	X BEFORE COST/ACCIDENT \$32,800.00 = \$53,402.70
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	1.7	X VCF 0.977	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$53,402.70
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Irving Av		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) E Fayette St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 7040	Future AADT: 7120	Volume Correction Factor (VCF):	1.006

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	1	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	1	1	Injury	_____	_____	_____
	c. expected	0.0	0.3	0.3	0.7	1.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	0.3	X VCF	1.006
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$10,995.45
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	0.3	X VCF	1.006	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$32,800	=	\$10,995.45	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			
	\$0.00			

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Crouse Av		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) E Fayette St		Route No. or Street Name	State Highway No. To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 7790	Future AADT: 7880	Volume Correction Factor (VCF):	1.006

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	5	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	1.3	1.3			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	1.7	X VCF 1.006	X BEFORE COST/ACCIDENT \$32,800.00 = \$54,982.46
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	1.7	X VCF 1.006	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$54,982.46
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 92 (E Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Irving Av		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 13240		Future AADT: 13150		Volume Correction Factor (VCF): 0.997	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 18			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	5	5	13	18	Injury	_____	_____	_____		
	c. expected	0.0	4.7	4.7	13.2	17.9	F&I	_____	_____	_____		
	d. difference	0	0.3	0.3			PDO	_____	_____	_____		
	e. significance	1.91	3.647	3.647								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	ACC/YR 6.0		X VCF 0.997		X BEFORE COST/ACCIDENT \$32,800.00 = \$196,131.12	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
ACC/YR 6.0		X VCF 0.997		X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$196,131.12		
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No-Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name NY 92 (E Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.																																									
	At Intersection With (If Applicable) S Crouse Av		Route No. or Street Name		To Ref Mrkr.																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																													
	Present AADT: 10990		Future AADT: 10960		Volume Correction Factor (VCF): 0.999																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 21		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																													
SAFETY BENEFITS	CHECK OF SEVERITY DISTRIBUTION																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.17	26.23	26.40	73.60	100.0																																									
b. actual	0	3	3	18	21																																									
c. expected	0.0	5.5	5.5	15.5	21.0																																									
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TYPE	# ACC	COST/ACC	ACC. COST																																											
Fatal	_____	_____	_____																																											
Injury	_____	_____	_____																																											
F&I	_____	_____	_____																																											
PDO	_____	_____	_____																																											
Total	_____	_____	_____																																											
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																														
ACC/YR 7.0 X VCF 0.999 X BEFORE COST/ACCIDENT \$32,800.00 = \$229,286.62																																														
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																														
ACC/YR 7.0 X VCF 0.999 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$229,286.62																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00																																										

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Sarah Lougen Dr		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 15690	Future AADT: 15570	Volume Correction Factor (VCF): 0.996	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 8	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	8	8	Injury	_____	_____	_____
	c. expected	0.0	2.1	2.1	5.9	8.0	F&I	_____	_____	_____
	d. difference	0	2.1	2.1			PDO	_____	_____	_____
	e. significance	1.91	2.604	2.604			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR 2.7 X VCF 0.996 X BEFORE COST/ACCIDENT \$32,800.00	=	\$87,132.19	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR 2.7 X VCF 0.996 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800	=	\$87,132.19	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: No-Build																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name Elizabeth Blackwell St		State Highway No.		From or at Ref Mrkr.																																																																		
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		To Ref Mrkr.																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																																																						
	Present AADT: 12430		Future AADT: 12160		Volume Correction Factor (VCF): 0.989																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 5		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																																																							
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PREPARER'S SIGNATURE: _____

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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: No-Build																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name Elizabeth Blackwell St		State Highway No.		From or at Ref Mrkr.																																																																		
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		To Ref Mrkr.																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																																																						
	Present AADT: 16210		Future AADT: 16080		Volume Correction Factor (VCF): 0.996																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 5		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
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	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 1.7 X VCF 0.996 X BEFORE COST/ACCIDENT \$32,800.00 = \$54,447.46 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.7 X VCF 0.996 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$54,447.46 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
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		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name S Crouse Av		State Highway No.		From or at Ref Mrkr.																																									
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		To Ref Mrkr.																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																													
	Present AADT: 8030		Future AADT: 8130		Volume Correction Factor (VCF): 1.006																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 8		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.17	26.23	26.40	73.60	100.0																																									
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TYPE	# ACC	COST/ACC	ACC. COST																																											
Fatal	_____	_____	_____																																											
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F&I	_____	_____	_____																																											
PDO	_____	_____	_____																																											
Total	_____	_____	_____																																											
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ACC/YR 2.7 X VCF 1.006 X BEFORE COST/ACCIDENT \$32,800.00 = \$88,011.29																																														
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																														
ACC/YR 2.7 X VCF 1.006 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$88,011.29																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00																																										

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Irving St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Adams St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 16190	Future AADT: 16200	Volume Correction Factor (VCF):	1.000

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	35	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	5	5	30	35	Injury	_____	_____	_____
	c. expected	0.1	9.2	9.3	25.8	35.1	F&I	_____	_____	_____
	d. difference	0.1	4.2	4.3			PDO	_____	_____	_____
	e. significance	1.91	4.829	4.851			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	11.7	X VCF	1.000
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$382,784.85
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	11.7	X VCF	1.000	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	
\$382,784.85				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				
\$0.00				

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Crouse Av		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Adams St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 7750	Future AADT: 7830	Volume Correction Factor (VCF):	1.005

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	16	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	12	16	Injury	_____	_____	_____
	c. expected	0.0	4.2	4.2	11.8	16.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	3.48	3.48						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	5.3	X VCF	1.005
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$175,836.22
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	5.3	X VCF	1.005	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	
\$175,836.22				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Irving Av		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Waverly Av		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 9720		Future AADT: 9750		Volume Correction Factor (VCF): 1.002	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 9			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	9	9	Injury	_____	_____	_____
	c. expected	0.0	2.4	2.4	6.6	9.0	F&I	_____	_____	_____
	d. difference	0	2.4	2.4			PDO	_____	_____	_____
	e. significance	1.91	2.754	2.754			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	ACC/YR 3.0		X VCF 1.002		X BEFORE COST/ACCIDENT \$32,800.00 = \$98,551.85	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 3.0		X VCF 1.002		X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$98,551.85	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Crouse Av		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Waverly Av		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 9060		Future AADT: 9070		Volume Correction Factor (VCF): 1.001	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 9			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	9	9	Injury	_____	_____	_____
	c. expected	0.0	2.4	2.4	6.6	9.0	F&I	_____	_____	_____
	d. difference	0	2.4	2.4			PDO	_____	_____	_____
	e. significance	1.91	2.754	2.754			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:						
	ACC/YR	3.0	X VCF	1.001	X BEFORE COST/ACCIDENT	\$32,800.00	= \$98,454.30
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:						
	ACC/YR	3.0	X VCF	1.001	X (1 - 0.000 RF)	X AVG. COST/ACC. \$32,800	= \$98,454.30
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Irving Av					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	University Pl				To Ref Mrkr.	
PROPOSED IMPROVEMENT: <i>No improvements are proposed at this intersection in the No Build Alternative.</i>						
Present AADT: 13960 Future AADT: 14150 Volume Correction Factor (VCF): 1.007						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.17	26.23	26.40	73.60	100.0
b. actual	0	1	1	4	5
c. expected	0.0	1.3	1.3	3.7	5.0
d. difference	0	0.3	0.3		
e. significance	1.91	2.131	2.131		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal			
Injury			
F&I			
PDO			
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	1.7	X VCF 1.007	X BEFORE COST/ACCIDENT \$32,800.00 = \$55,038.68
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	1.7	X VCF 1.007	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$55,038.68
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Irving Av		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Van Buren St		Route No. or Street Name	State Highway No. To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 9480	Future AADT: 10260	Volume Correction Factor (VCF):	1.041

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	4	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
		d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	26.48	26.74	73.26	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	3	4	Injury	_____	_____	_____
	c. expected	0.0	1.1	1.1	2.9	4.0	F&I	_____	_____	_____
	d. difference	0	0.1	0.1			PDO	_____	_____	_____
	e. significance	1.91	1.987	1.987						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	1.3	X VCF	1.041
	X BEFORE COST/ACCIDENT	\$35,900.00	=	\$49,835.86
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	1.3	X VCF	1.041	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$35,900	=	
\$49,835.86				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Crouse Ave		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Westbound I-690		Route No. or Street Name	To Ref Mrkr.

INTERSECTION DOES NOT EXIST IN NO-BUILD ALTERNATIVE

PROJECT DATA	PROPOSED IMPROVEMENT: <i>This intersection does not exist in the No-Build Alternative</i>			
	Present AADT: <u>0</u>	Future AADT: <u>0</u>	Volume Correction Factor (VCF):	<u>0.000</u>

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: <u>0.000</u>			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	<u>0</u>	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	<u>0</u>	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	<u>0%</u>	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <i>This intersection does not exist in the No-Build Alternative</i>			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	<u>0.17</u>	<u>26.23</u>	<u>26.40</u>	<u>73.60</u>	<u>100.0</u>	Fatal	_____	_____	_____
	b. actual	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	Injury	_____	_____	_____
	c. expected	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	F&I	_____	_____	_____
	d. difference	<u>0</u>	<u>0</u>	<u>0</u>			PDO	_____	_____	_____
	e. significance	<u>1.91</u>	<u>1.91</u>	<u>1.91</u>						
		<u>NO</u>	<u>NO</u>	<u>NO</u>			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	<u>0.0</u>	X VCF	<u>0.000</u>
	X BEFORE COST/ACCIDENT	<u>\$32,800.00</u>	=	<u>\$0.00</u>
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	<u>0.0</u>	X VCF	<u>0.000</u>	X (1 - <u>0.000</u> RF)
X AVG. COST/ACC.	<u>\$32,800</u>	=	<u>\$0.00</u>	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Crouse Ave		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Eastbound I-690		Route No. or Street Name	To Ref Mrkr.
	INTERSECTION DOES NOT EXIST IN NO-BUILD ALTERNATIVE			

PROJECT DATA	PROPOSED IMPROVEMENT: This intersection does not exist in the No-Build Alternative			
	Present AADT: 0	Future AADT: 0	Volume Correction Factor (VCF):	0.000

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	0	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:			
	This intersection does not exist in the No-Build Alternative			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	0.0	X VCF	0.000
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$0.00
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	0.0	X VCF	0.000	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$32,800	=	\$0.00	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Irving Avenue		Route No. or Street Name		State Highway No. To Ref Mrkr.	
	INTERSECTION DOES NOT EXIST IN NO-BUILD ALTERNATIVE					

PROJECT DATA	PROPOSED IMPROVEMENT: This intersection does not exist in the No-Build Alternative					
	Present AADT: 0		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 0			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: This intersection does not exist in the No-Build Alternative					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	0	0	0	0	Injury	_____	_____	_____		
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____		
	d. difference	0	0	0			PDO	_____	_____	_____		
	e. significance	1.91	1.91	1.91								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:						
	ACC/YR	0.0	X VCF	0.000	X BEFORE COST/ACCIDENT	\$32,800.00	= \$0.00
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:						
	ACC/YR	0.0	X VCF	0.000	X (1 - 0.000 RF)	X AVG. COST/ACC. \$32,800	= \$0.00
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Irving Avenue					
	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.	
E Water St						
INTERSECTION DOES NOT EXIST IN NO-BUILD ALTERNATIVE						

PROJECT DATA	PROPOSED IMPROVEMENT:					
	This intersection does not exist in the No-Build Alternative					
	Present AADT: <u>0</u>		Future AADT: <u>0</u>		Volume Correction Factor (VCF): 0.000	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: <u>0</u>			a. Existing Accident Rate: _____		
	b. Accidents Reduced: <u>0</u>			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	This intersection does not exist in the No-Build Alternative					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	0	0	0	0
	c. expected	0.0	0.0	0.0	0.0	0.0
	d. difference	0	0	0		
	e. significance	1.91	1.91	1.91		
		NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	0.0	X VCF 0.000	X BEFORE COST/ACCIDENT \$32,800.00 = \$0.00
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	0.0	X VCF 0.000	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 298 (Bear St)		State Highway No. 59-4	From or at Ref Mrkr. 298 3301 1008
	At Intersection With (If Applicable) Southbound I-81 Off Ramp / Genant Dr		Route No. or Street Name	State Highway No. To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 17680	Future AADT: 17850	Volume Correction Factor (VCF):	1.005

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	18	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
		d. Calculated RF (c/a), (%):	_____	

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	8	8	10	18	Injury	_____	_____	_____
	c. expected	0.0	4.7	4.7	13.2	17.9	F&I	_____	_____	_____
	d. difference	0	3.3	3.3			PDO	_____	_____	_____
	e. significance	1.91	3.647	3.647			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	6.0	X VCF	1.005
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$197,746.15
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	6.0	X VCF	1.005	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	
			\$197,746.15	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: No-Build																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name Southbound I-81 Off Ramp / Genant Dr		State Highway No.		From or at Ref Mrkr.																																																																		
	At Intersection With (If Applicable) Spencer St		Route No. or Street Name		To Ref Mrkr.																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																																																						
	Present AADT: 11830		Future AADT: 11820		Volume Correction Factor (VCF): 1.000																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 11		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																																																							
CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>8</td> <td>8</td> <td>10</td> <td>18</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>2.9</td> <td>2.9</td> <td>8.1</td> <td>11.0</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>5.1</td> <td>5.1</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>2.98</td> <td>2.98</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>YES</td> <td>YES</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>							FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	8	8	10	18	c. expected	0.0	2.9	2.9	8.1	11.0	d. difference	0	5.1	5.1			e. significance	1.91	2.98	2.98				NO	YES	YES			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____
	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 3.7 X VCF 1.000 X BEFORE COST/ACCIDENT \$32,800.00 = \$120,215.84 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.7 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$120,215.84 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Solar St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Hiawatha Blvd		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 36800	Future AADT: 37290	Volume Correction Factor (VCF): 1.007	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 33	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____				

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	1	10	11	22	33	Injury	_____	_____	_____
	c. expected	0.1	8.7	8.8	24.3	33.1	F&I	_____	_____	_____
	d. difference	0.9	1.3	2.2			PDO	_____	_____	_____
	e. significance	1.91	4.718	4.74			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR 11.0	X VCF 1.007	X BEFORE COST/ACCIDENT \$32,800.00	= \$363,202.07
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR 11.0	X VCF 1.007	X (1 - 0.000 RF)	X AVG. COST/ACC. \$32,800 = \$363,202.07
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
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		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name Spencer St		State Highway No.		From or at Ref Mrkr.																																																																		
	At Intersection With (If Applicable) Hiawatha Blvd		Route No. or Street Name		To Ref Mrkr.																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																																																						
	Present AADT: 44480		Future AADT: 44990		Volume Correction Factor (VCF): 1.006																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 17		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																																																							
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	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
a. % by severity	0.17	26.23	26.40	73.60	100.0																																																																		
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PDO	_____	_____	_____																																																																				
Total	_____	_____	_____																																																																				
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 5.7 X VCF 1.006 X BEFORE COST/ACCIDENT \$32,800.00 = \$186,932.22 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 5.7 X VCF 1.006 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$186,932.22 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No-Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name Eastbound I-690 Off-Ramp		State Highway No.		From or at Ref Mrkr.																																									
	At Intersection With (If Applicable) Hiawatha Blvd		Route No. or Street Name		To Ref Mrkr.																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																													
	Present AADT: 25870		Future AADT: 26170		Volume Correction Factor (VCF): 1.006																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.000																																													
REDUCTION CALCULATION	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 11 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																											
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																													
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	26.48	26.74	73.26	100.0																																									
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PDO	_____	_____	_____																																											
Total	_____	_____	_____																																											
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																													
	ACC/YR 3.7 X VCF 1.006 X BEFORE COST/ACCIDENT \$35,900.00 = \$132,396.57																																													
SAFETY BENEFITS	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																													
	ACC/YR 3.7 X VCF 1.006 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$132,396.57																																													
SAFETY BENEFITS	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)																																													
	\$0.00																																													

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 298 (Bear St)		State Highway No. 59-4	From or at Ref Mrkr. 298 3301 1000
	At Intersection With (If Applicable) Spencer St / I-690 Ramps		Route No. or Street Name	State Highway No. To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 16260	Future AADT: 16280	Volume Correction Factor (VCF): 1.001	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 6	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
	d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	4	6	Injury	_____	_____	_____
	c. expected	0.0	1.6	1.6	4.4	6.0	F&I	_____	_____	_____
	d. difference	0	0.4	0.4			PDO	_____	_____	_____
	e. significance	1.91	2.324	2.324						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR 2.0 X VCF 1.001 X BEFORE COST/ACCIDENT \$32,800.00	=	\$65,640.34	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR 2.0 X VCF 1.001 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800	=	\$65,640.34	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Geddes St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Westbound I-690 Off-Ramp		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 13820	Future AADT: 14160	Volume Correction Factor (VCF):	1.012

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	9	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	6	9	Injury	_____	_____	_____
	c. expected	0.0	2.4	2.4	6.6	9.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	2.754	2.754			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	3.0	X VCF	1.012
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$99,610.42
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
ACC/YR	3.0	X VCF	1.012	
X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	
\$99,610.42				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00	

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Geddes St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Edison St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 16270	Future AADT: 17070	Volume Correction Factor (VCF):	1.025

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	9	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	8	9	Injury	_____	_____	_____
	c. expected	0.0	2.4	2.4	6.6	9.0	F&I	_____	_____	_____
	d. difference	0	1.4	1.4			PDO	_____	_____	_____
	e. significance	1.91	2.754	2.754						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	3.0	X VCF	1.025
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$100,819.18
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	3.0	X VCF	1.025	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$32,800	=	\$100,819.18	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No-Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.																																									
	At Intersection With (If Applicable) N Geddes St		Route No. or Street Name		To Ref Mrkr.																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																													
	Present AADT: 23750		Future AADT: 25000		Volume Correction Factor (VCF): 1.026																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.000																																													
REDUCTION CALCULATION	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 57 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																											
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																													
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION																																													
	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>15</td> <td>15</td> <td>42</td> <td>57</td> </tr> <tr> <td>c. expected</td> <td>0.1</td> <td>15.0</td> <td>15.1</td> <td>42.0</td> <td>57.1</td> </tr> <tr> <td>d. difference</td> <td>0.1</td> <td>0</td> <td>0.1</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>6.067</td> <td>6.087</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table>						FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	15	15	42	57	c. expected	0.1	15.0	15.1	42.0	57.1	d. difference	0.1	0	0.1			e. significance	1.91	6.067	6.087				NO	NO	NO	
	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.17	26.23	26.40	73.60	100.0																																									
b. actual	0	15	15	42	57																																									
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TYPE	# ACC	COST/ACC	ACC. COST																																											
Fatal	_____	_____	_____																																											
Injury	_____	_____	_____																																											
F&I	_____	_____	_____																																											
PDO	_____	_____	_____																																											
Total	_____	_____	_____																																											
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																													
	ACC/YR 19.0 X VCF 1.026 X BEFORE COST/ACCIDENT \$32,800.00 = \$639,600.00																																													
SAFETY BENEFITS	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																													
	ACC/YR 19.0 X VCF 1.026 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$639,600.00																																													
SAFETY BENEFITS	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)																																													
	\$0.00																																													

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Geddes St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Wilkinson St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 11580	Future AADT: 12220	Volume Correction Factor (VCF):	1.028

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	11	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	10	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	1.9	1.9			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	3.7	X VCF 1.028	X BEFORE COST/ACCIDENT \$32,800.00 = \$123,590.10
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	3.7	X VCF 1.028	X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$123,590.10
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: No-Build																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name N Geddes St		State Highway No.		From or at Ref Mrkr.																																																																		
	At Intersection With (If Applicable) Erie Blvd W		Route No. or Street Name		To Ref Mrkr.																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																																																						
	Present AADT: 21700		Future AADT: 21920		Volume Correction Factor (VCF): 1.005																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 26		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																																																							
CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>3</td> <td>3</td> <td>23</td> <td>26</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>6.8</td> <td>6.8</td> <td>19.1</td> <td>25.9</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>3.8</td> <td>3.8</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>4.256</td> <td>4.256</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>							FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	3	3	23	26	c. expected	0.0	6.8	6.8	19.1	25.9	d. difference	0	3.8	3.8			e. significance	1.91	4.256	4.256				NO	NO	NO			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____
	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
a. % by severity	0.17	26.23	26.40	73.60	100.0																																																																		
b. actual	0	3	3	23	26																																																																		
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PDO	_____	_____	_____																																																																				
Total	_____	_____	_____																																																																				
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR 8.7 X VCF 1.005 X BEFORE COST/ACCIDENT \$32,800.00 = \$285,707.65 B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 8.7 X VCF 1.005 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$285,707.65 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) \$0.00																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Geddes St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) W Fayette St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 28390		Future AADT: 29040		Volume Correction Factor (VCF): 1.011	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 58			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	15	15	43	58	Injury	_____	_____	_____		
	c. expected	0.1	15.2	15.3	42.7	58.0	F&I	_____	_____	_____		
	d. difference	0.1	0.2	0.3			PDO	_____	_____	_____		
	e. significance	1.91	6.106	6.125								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	ACC/YR 19.3		X VCF 1.011		X BEFORE COST/ACCIDENT \$32,800.00 = \$641,392.70	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
ACC/YR 19.3		X VCF 1.011		X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$641,392.70		
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: No-Build			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Geddes St				State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Marcellus St				Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.				
	Present AADT: 20600		Future AADT: 21130		Volume Correction Factor (VCF): 1.013

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 27		a. Existing Accident Rate: _____	
	b. Accidents Reduced: 0		b. Future Accident Rate: _____	
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____	
			d. Calculated RF (c/a), (%): _____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	26.48	26.74	73.26	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	19	26	Injury	_____	_____	_____
	c. expected	0.1	7.1	7.2	19.8	27.0	F&I	_____	_____	_____
	d. difference	0.1	0.1	0.2			PDO	_____	_____	_____
	e. significance	1.91	4.333	4.359			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:							
	ACC/YR	9.0	X VCF	1.013	X BEFORE COST/ACCIDENT	\$35,900.00	=	\$327,256.38
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:							
	ACC/YR	9.0	X VCF	1.013	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$35,900	= \$327,256.38
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)							\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: No-Build																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name S Geddes St		State Highway No.		From or at Ref Mrkr.																																									
	At Intersection With (If Applicable) Otisco St		Route No. or Street Name		To Ref Mrkr.																																									
PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.																																													
	Present AADT: 20140		Future AADT: 20640		Volume Correction Factor (VCF): 1.012																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 14		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																											
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.																																													
SAFETY BENEFITS	CHECK OF SEVERITY DISTRIBUTION																																													
	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.26</td> <td>26.48</td> <td>26.74</td> <td>73.26</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>6</td> <td>6</td> <td>8</td> <td>14</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>3.7</td> <td>3.7</td> <td>10.3</td> <td>14.0</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>2.3</td> <td>2.3</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>3.3</td> <td>3.3</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table>						FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.26	26.48	26.74	73.26	100.0	b. actual	0	6	6	8	14	c. expected	0.0	3.7	3.7	10.3	14.0	d. difference	0	2.3	2.3			e. significance	1.91	3.3	3.3				NO	NO	NO	
	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	26.48	26.74	73.26	100.0																																									
b. actual	0	6	6	8	14																																									
c. expected	0.0	3.7	3.7	10.3	14.0																																									
d. difference	0	2.3	2.3																																											
e. significance	1.91	3.3	3.3																																											
	NO	NO	NO																																											
BEFORE COST/ACCIDENT CALCULATION																																														
<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>					TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____																		
TYPE	# ACC	COST/ACC	ACC. COST																																											
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Total	_____	_____	_____																																											
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:																																														
ACC/YR 4.7 X VCF 1.012 X BEFORE COST/ACCIDENT \$35,900.00 = \$169,612.94																																														
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:																																														
ACC/YR 4.7 X VCF 1.012 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$169,612.94																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00																																										

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Geddes St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Gifford St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 21890	Future AADT: 22310	Volume Correction Factor (VCF):	1.010

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	22	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	26.48	26.74	73.26	100.0	Fatal	_____	_____	_____
	b. actual	0	5	5	17	22	Injury	_____	_____	_____
	c. expected	0.1	5.8	5.9	16.1	22.0	F&I	_____	_____	_____
	d. difference	0.1	0.8	0.9			PDO	_____	_____	_____
	e. significance	1.91	3.982	4.011						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	7.3	X VCF	1.010
	X BEFORE COST/ACCIDENT	\$35,900.00	=	\$265,792.29
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	7.3	X VCF	1.010	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$35,900	=	\$265,792.29	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Geddes St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Seymour St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.					
	Present AADT: 24310		Future AADT: 24680		Volume Correction Factor (VCF): 1.008	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 25		a. Existing Accident Rate: _____			
	b. Accidents Reduced: 0		b. Future Accident Rate: _____			
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	19	25	Injury	_____	_____	_____
	c. expected	0.0	6.6	6.6	18.4	25.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	4.203	4.203			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	8.3	X VCF	1.008
		X BEFORE COST/ACCIDENT	\$32,800.00	= \$275,413.41
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	8.3	X VCF	1.008
		X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800
			=	\$275,413.41
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: No-Build			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Geddes St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Grand Avenue / Shonnard St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: No improvements are proposed at this intersection in the No Build Alternative.			
	Present AADT: 17970	Future AADT: 22980	Volume Correction Factor (VCF):	1.139

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	10	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No improvements are proposed at this intersection in the No Build Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	6	10	Injury	_____	_____	_____
	c. expected	0.0	2.6	2.6	7.4	10.0	F&I	_____	_____	_____
	d. difference	0	1.4	1.4			PDO	_____	_____	_____
	e. significance	1.91	2.847	2.847						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:			
	ACC/YR	3.3	X VCF	1.139
	X BEFORE COST/ACCIDENT	\$32,800.00	=	\$124,574.29
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
ACC/YR	3.3	X VCF	1.139	X (1 - 0.000 RF)
X AVG. COST/ACC.	\$32,800	=	\$124,574.29	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				\$0.00

PREPARER'S SIGNATURE: _____

DATE: 10/8/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-7	From or at Ref Mrkr. 81/ 3303 2008
	At Intersection With (If Applicable) Segment 1		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2009

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 36570	Future AADT: 40260	Volume Correction Factor (VCF):	1.050

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	4	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.26	29.04	29.30	70.70	100.0
b. actual	0	1	1	3	4
c. expected	0.0	1.2	1.2	2.8	4.0
d. difference	0	0.2	0.2		
e. significance	1.91	2.061	2.061		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 1.3 X VCF 1.050 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400	= \$55,183.70
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		
See Attachment I		

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-7	From or at Ref Mrkr. 81/ 3303 2010
	At Intersection With (If Applicable) Segment 2		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2015

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 30420	Future AADT: 34240	Volume Correction Factor (VCF):	1.063

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	38	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	31	38	Injury	_____	_____	_____
	c. expected	0.1	11.0	11.1	26.9	38.0	F&I	_____	_____	_____
	d. difference	0.1	4	4.1			PDO	_____	_____	_____
	e. significance	1.91	5.233	5.256						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 12.7 X VCF 1.063 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400	= \$530,401.88
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-7	From or at Ref Mrkr. 81/ 3303 2016
	At Intersection With (If Applicable) Segment 3		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2018

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 43450	Future AADT: 48880	Volume Correction Factor (VCF):	1.062

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	9	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	8	9	Injury	_____	_____	_____
	c. expected	0.0	2.6	2.6	6.4	9.0	F&I	_____	_____	_____
	d. difference	0	1.6	1.6			PDO	_____	_____	_____
	e. significance	1.91	2.847	2.847						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 3.0 X VCF 1.062 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$125,585.80	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-7	From or at Ref Mrkr. 81/ 3303 2019
	At Intersection With (If Applicable) Segment 4		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2026

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 46450	Future AADT: 52470	Volume Correction Factor (VCF):	1.065

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	34	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	27	34	Injury	_____	_____	_____
	c. expected	0.1	9.9	10.0	24.0	34.0	F&I	_____	_____	_____
	d. difference	0.1	2.9	3			PDO	_____	_____	_____
	e. significance	1.91	4.979	5						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 11.3 X VCF 1.065 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$475,469.08	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-7	From or at Ref Mrkr. 81I 3303 2027
	At Intersection With (If Applicable) Segment 5		Route No. or Street Name	State Highway No. To Ref Mrkr. 81I 3303 2029

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 66860	Future AADT: 71990	Volume Correction Factor (VCF):	1.038

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	30	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.26	29.04	29.30	70.70	100.0
b. actual	0	3	3	27	30
c. expected	0.1	8.7	8.8	21.2	30.0
d. difference	0.1	5.7	5.8		
e. significance	1.91	4.718	4.74		
	NO	YES	YES		

BEFORE COST/ACCIDENT CALCULATION				
TYPE	# ACC	COST/ACC	=	ACC. COST
Fatal	0	\$0	=	\$0
Injury	0	\$0	=	\$0
F&I	3	\$125,300	=	\$375,900
PDO	27	\$3,800	=	\$102,600
Total	30	\$15,950		\$478,500

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 10.0 X VCF 1.038 X (1 - 0.000 RF) X AVG. COST/ACC. \$15,950 = \$165,619.02	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-22	From or at Ref Mrkr. 81/ 3303 2030
	At Intersection With (If Applicable) Segment 6		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2032

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 71140	Future AADT: 74280	Volume Correction Factor (VCF):	1.022

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.020			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	11	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0.24	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	2%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	10	11	Injury	_____	_____	_____
	c. expected	0.0	3.2	3.2	7.8	11.0	F&I	_____	_____	_____
	d. difference	0	2.2	2.2			PDO	_____	_____	_____
	e. significance	1.91	3.106	3.106			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 3.7 X VCF 1.022 X (1 - 0.020 RF) X AVG. COST/ACC. \$39,400	= \$144,701.83
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-22	From or at Ref Mrkr. 81/ 3303 2033
	At Intersection With (If Applicable) Segment 7		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2035

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 71140	Future AADT: 67680	Volume Correction Factor (VCF):	0.976

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.230			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	18	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	4.17	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	23%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	12	18	Injury	_____	_____	_____
	c. expected	0.0	5.2	5.2	12.7	17.9	F&I	_____	_____	_____
	d. difference	0	0.8	0.8			PDO	_____	_____	_____
	e. significance	1.91	3.804	3.804						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement								
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:								
	ACC/YR	6.0	X VCF	0.976	X (1 - 0.230 RF)	X AVG. COST/ACC.	\$39,400	=	\$177,601.40
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)								

See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-22	From or at Ref Mrkr. 81/ 3303 2036
	At Intersection With (If Applicable) Segment 8		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2042

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 60380	Future AADT: 57730	Volume Correction Factor (VCF):	0.978

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.310			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	161	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	49.59	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	31%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	X \$0	=	\$0
	b. actual	0	36	36	125	161	Injury	0	X \$0	=	\$0
	c. expected	0.4	46.8	47.2	113.8	161.0	F&I	36	X \$125,300	=	\$4,510,800
	d. difference	0.4	10.8	11.2			PDO	125	X \$3,800	=	\$475,000
	e. significance	1.91	10.44	10.48			Total	161	\$30,968		\$4,985,800
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 53.7 X VCF 0.978 X (1 - 0.310 RF) X AVG. COST/ACC. \$30,968 = \$1,121,580.46	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-81		State Highway No. 65-28		From or at Ref Mrkr. 81/ 3303 2043																																									
	At Intersection With (If Applicable) Segment 9		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 2048																																									
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F																																													
	Present AADT: 57840		Future AADT: 56970		Volume Correction Factor (VCF): 0.992																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.580																																													
	Method II (Engineering Analysis)																																													
	a. Total Accidents: 103		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 59.33		b. Future Accident Rate: _____																																											
c. Calculated RF (b/a): 58%		c. Difference (a-b): _____																																												
d. Calculated RF (c/a), (%): _____																																														
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors																																													
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
b. actual	0	21	21	90	111																																									
c. expected	0.3	29.9	30.2	72.8	103.0																																									
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BEFORE COST/ACCIDENT CALCULATION																																														
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TYPE	# ACC		COST/ACC		ACC. COST																																									
Fatal	0	X	\$0	=	\$0																																									
Injury	0	X	\$0	=	\$0																																									
F&I	21	X	\$125,300	=	\$2,631,300																																									
PDO	90	X	\$3,800	=	\$342,000																																									
Total	111		\$26,786		\$2,973,300																																									
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement																																													
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 34.3 X VCF 0.992 X (1 - 0.580 RF) X AVG. COST/ACC. \$26,786 = \$383,349.20																																													
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																													

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 65-28	From or at Ref Mrkr. 81/ 3303 2049
	At Intersection With (If Applicable) Segment 10		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2053

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 70980	Future AADT: 69660	Volume Correction Factor (VCF):	0.991

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.390			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	192	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	75.47	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	39%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.26	29.04	29.30	70.70	100.0
b. actual	1	43	44	140	184
c. expected	0.5	55.8	56.3	135.7	192.0
d. difference	0.5	12.8	12.3		
e. significance	1.91	11.35	11.4		
	NO	YES	YES		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 64.0 X VCF 0.991 X (1 - 0.390 RF) X AVG. COST/ACC. \$39,400	= \$1,523,873.43
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		
See Attachment I		

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 65-28	From or at Ref Mrkr. 81/ 3303 2054
	At Intersection With (If Applicable) Segment 11		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2059

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 89620	Future AADT: 96150	Volume Correction Factor (VCF):	1.036

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.490			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	123	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	60.78	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	49%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	X \$0	=	\$0
	b. actual	1	23	24	99	123	Injury	0	X \$0	=	\$0
	c. expected	0.3	35.7	36.0	87.0	123.0	F&I	36	X \$125,300	=	\$4,510,800
	d. difference	0.7	12.7	12			PDO	125	X \$3,800	=	\$475,000
	e. significance	1.91	9.175	9.212			Total	161	\$30,968		\$4,985,800
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 41.0 X VCF 1.036 X (1 - 0.490 RF) X AVG. COST/ACC. \$30,968 = \$671,131.83	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-81		State Highway No. 65-28, 56-11		From or at Ref Mrkr. 81/ 3303 2060																																									
	At Intersection With (If Applicable) Segment 12		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 2161																																									
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F																																													
	Present AADT: 88760		Future AADT: 86860		Volume Correction Factor (VCF): 0.989																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.660																																													
	Method II (Engineering Analysis)																																													
	Method III (For General Upgrading)																																													
	a. Total Accidents: 30		a. Existing Accident Rate: _____																																											
b. Accidents Reduced: 19.71		b. Future Accident Rate: _____																																												
c. Calculated RF (b/a): 66%		c. Difference (a-b): _____																																												
		d. Calculated RF (c/a), (%): _____																																												
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors																																													
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
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TYPE	# ACC	COST/ACC	ACC. COST																																											
Fatal	_____	_____	_____																																											
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F&I	_____	_____	_____																																											
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Total	_____	_____	_____																																											
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement																																													
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 10.0 X VCF 0.989 X (1 - 0.660 RF) X AVG. COST/ACC. \$39,400 = \$132,526.22																																													
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																													

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-81		State Highway No. 56-11, 54-3		From or at Ref Mrkr. 81/ 3303 2162																																									
	At Intersection With (If Applicable) Segment 13		Route No. or Street Name		State Highway No. To Ref Mrkr. 81/ 3303 3004																																									
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F																																													
	Present AADT: 69440		Future AADT: 76110		Volume Correction Factor (VCF): 1.048																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.330																																													
	Method II (Engineering Analysis)																																													
	a. Total Accidents: 83		Method III (For General Upgrading)																																											
	b. Accidents Reduced: 27.54		a. Existing Accident Rate: _____																																											
c. Calculated RF (b/a): 33%		b. Future Accident Rate: _____																																												
		c. Difference (a-b): _____																																												
		d. Calculated RF (c/a), (%): _____																																												
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors																																													
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION																																													
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	ACC/YR 27.7 X VCF 1.048 X (1 - 0.330 RF) X AVG. COST/ACC. \$39,400 = \$765,420.98																																													
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)																																													
See Attachment I																																														

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 54-3	From or at Ref Mrkr. 81/ 3303 3005
	At Intersection With (If Applicable) Segment 14		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3009

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 79430	Future AADT: 80930	Volume Correction Factor (VCF):	1.009

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	43	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.26	29.04	29.30	70.70	100.0
b. actual	0	14	14	29	43
c. expected	0.1	12.5	12.6	30.4	43.0
d. difference	0.1	1.5	1.4		
e. significance	1.91	5.562	5.583		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 14.3 X VCF 1.009 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400	= \$570,065.70
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 54-3, 57-6	From or at Ref Mrkr. 81/ 3303 3010
	At Intersection With (If Applicable) Segment 15		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3015

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 74360	Future AADT: 76230	Volume Correction Factor (VCF):	1.013

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	83	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	17	17	66	83	Injury	_____	_____	_____
	c. expected	0.2	24.1	24.3	58.7	83.0	F&I	_____	_____	_____
	d. difference	0.2	7.1	7.3			PDO	_____	_____	_____
	e. significance	1.91	7.607	7.637						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 27.7 X VCF 1.013 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$1,103,773.13	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name I-81		State Highway No. 57-8	From or at Ref Mrkr. 81/ 3303 3016
	At Intersection With (If Applicable) Segment 16		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3022

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 84070	Future AADT: 86120	Volume Correction Factor (VCF):	1.012

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	51	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	10	10	38	48	Injury	_____	_____	_____
	c. expected	0.1	14.8	14.9	36.1	51.0	F&I	_____	_____	_____
	d. difference	0.1	4.8	4.9			PDO	_____	_____	_____
	e. significance	1.91	6.029	6.048						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 17.0 X VCF 1.012 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$677,966.35	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 57-6	From or at Ref Mrkr. 81/ 3303 3023
	At Intersection With (If Applicable) Segment 17		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3045

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 57090	Future AADT: 58840	Volume Correction Factor (VCF):	1.015

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	111	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	29	29	82	111	Injury	_____	_____	_____
	c. expected	0.3	32.2	32.5	78.5	111.0	F&I	_____	_____	_____
	d. difference	0.3	3.2	3.5			PDO	_____	_____	_____
	e. significance	1.91	8.735	8.773						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 37.0 X VCF 1.015 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400	= \$1,480,143.23
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 57-6	From or at Ref Mrkr. 81/ 3303 3046
	At Intersection With (If Applicable) Segment 18		Route No. or Street Name	To Ref Mrkr. 81/ 3303 3051

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 66970	Future AADT: 70000	Volume Correction Factor (VCF): 1.023	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 43	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	8	8	35	43	Injury	_____	_____	_____
	c. expected	0.1	12.5	12.6	30.4	43.0	F&I	_____	_____	_____
	d. difference	0.1	4.5	4.6			PDO	_____	_____	_____
	e. significance	1.91	5.562	5.583			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 14.3 X VCF 1.023 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$577,508.77	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 57-6	From or at Ref Mrkr. 81/ 3303 3052
	At Intersection With (If Applicable) Segment 19		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3062

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 51500	Future AADT: 55450	Volume Correction Factor (VCF):	1.038

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	70	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	18	18	52	70	Injury	_____	_____	_____
	c. expected	0.2	20.3	20.5	49.5	70.0	F&I	_____	_____	_____
	d. difference	0.2	2.3	2.5			PDO	_____	_____	_____
	e. significance	1.91	7.009	7.042						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 23.3 X VCF 1.038 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400	= \$954,589.32

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2	From or at Ref Mrkr. 481/ 3301 1000
	At Intersection With (If Applicable) Segment 1		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 1005

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 22310	Future AADT: 25550	Volume Correction Factor (VCF):	1.073

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	7	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	5	7	Injury	_____	_____	_____
	c. expected	0.0	2.0	2.0	4.9	6.9	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	2.552	2.552						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.3 X VCF 1.073 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$98,608.90	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2, 16-2	From or at Ref Mrkr. 481/ 3301 2000
	At Intersection With (If Applicable) Segment 2		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2005

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 26210	Future AADT: 29250	Volume Correction Factor (VCF):	1.058

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	13	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	9	13	Injury	_____	_____	_____
	c. expected	0.0	3.8	3.8	9.2	13.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	3.337	3.337						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 4.3 X VCF 1.058 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$180,634.69	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2	From or at Ref Mrkr. 481/ 3301 2006
	At Intersection With (If Applicable) Segment 3		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2023

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 29640	Future AADT: 32720	Volume Correction Factor (VCF): 1.052	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 29	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	23	29	Injury	_____	_____	_____
	c. expected	0.1	8.4	8.5	20.5	29.0	F&I	_____	_____	_____
	d. difference	0.1	2.4	2.5			PDO	_____	_____	_____
	e. significance	1.91	4.649	4.672						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 9.7 X VCF 1.052 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$400,655.29	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2		From or at Ref Mrkr. 481/ 3301 2024																																									
	At Intersection With (If Applicable) Segment 4		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2031																																									
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F																																													
	Present AADT: 25130 Future AADT: 26850 Volume Correction Factor (VCF): 1.034																																													
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 18 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																											
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors																																													
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION																																													
	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.26</td> <td>29.04</td> <td>29.30</td> <td>70.70</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>0</td> <td>0</td> <td>18</td> <td>18</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>5.2</td> <td>5.2</td> <td>12.7</td> <td>17.9</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>5.2</td> <td>5.2</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>3.804</td> <td>3.804</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>YES</td> <td>YES</td> <td></td> <td></td> </tr> </tbody> </table>						FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.26	29.04	29.30	70.70	100.0	b. actual	0	0	0	18	18	c. expected	0.0	5.2	5.2	12.7	17.9	d. difference	0	5.2	5.2			e. significance	1.91	3.804	3.804				NO	YES	YES	
	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
b. actual	0	0	0	18	18																																									
c. expected	0.0	5.2	5.2	12.7	17.9																																									
d. difference	0	5.2	5.2																																											
e. significance	1.91	3.804	3.804																																											
	NO	YES	YES																																											
SIGNIFICANCE	BEFORE COST/ACCIDENT CALCULATION																																													
	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th></th> <th>COST/ACC</th> <th>=</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>0</td> <td>X</td> <td>\$0</td> <td>=</td> <td>\$0</td> </tr> <tr> <td>Injury</td> <td>0</td> <td>X</td> <td>\$0</td> <td>=</td> <td>\$0</td> </tr> <tr> <td>F&I</td> <td>0</td> <td>X</td> <td>\$125,300</td> <td>=</td> <td>\$0</td> </tr> <tr> <td>PDO</td> <td>18</td> <td>X</td> <td>\$3,800</td> <td>=</td> <td>\$68,400</td> </tr> <tr> <td>Total</td> <td>18</td> <td></td> <td>\$3,800</td> <td></td> <td>\$68,400</td> </tr> </tbody> </table>					TYPE	# ACC		COST/ACC	=	ACC. COST	Fatal	0	X	\$0	=	\$0	Injury	0	X	\$0	=	\$0	F&I	0	X	\$125,300	=	\$0	PDO	18	X	\$3,800	=	\$68,400	Total	18		\$3,800		\$68,400					
TYPE	# ACC		COST/ACC	=	ACC. COST																																									
Fatal	0	X	\$0	=	\$0																																									
Injury	0	X	\$0	=	\$0																																									
F&I	0	X	\$125,300	=	\$0																																									
PDO	18	X	\$3,800	=	\$68,400																																									
Total	18		\$3,800		\$68,400																																									
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement																																													
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 6.0 X VCF 1.034 X (1 - 0.000 RF) X AVG. COST/ACC. \$3,800 = \$23,580.26																																													
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																													

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2		From or at Ref Mrkr. 481/ 3301 2032
	At Intersection With (If Applicable) Segment 5		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2042
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F				
	Present AADT: 33420		Future AADT: 35170		Volume Correction Factor (VCF): 1.026
REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.000				
	Method II (Engineering Analysis)		Method III (For General Upgrading)		
	a. Total Accidents:	24	a. Existing Accident Rate:		
	b. Accidents Reduced:	0	b. Future Accident Rate:		
c. Calculated RF (b/a):	0%	c. Difference (a-b):			
d. Calculated RF (c/a), (%):					
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
		FATAL	INJ.	F & I	PDO
a. % by severity	0.26	29.04	29.30	70.70	100.0
b. actual	0	7	7	17	24
c. expected	0.1	7.0	7.1	17.0	24.1
d. difference	0.1	0	0.1		
e. significance	1.91	4.308	4.333		
	NO	NO	NO		
BEFORE COST/ACCIDENT CALCULATION					
	TYPE	# ACC	COST/ACC	ACC. COST	
	Fatal				
	Injury				
	F&I				
	PDO				
	Total				
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement				
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 8.0 X VCF 1.026 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$323,452.54				
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2, 61-17		From or at Ref Mrkr. 481/ 3301 2043																																									
	At Intersection With (If Applicable) Segment 6		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2049																																									
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F																																													
	Present AADT: 41180		Future AADT: 42760		Volume Correction Factor (VCF): 1.019																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)																																													
	a. Total Accidents: 85		Method III (For General Upgrading)																																											
	b. Accidents Reduced: 0		a. Existing Accident Rate: _____																																											
c. Calculated RF (b/a): 0%		b. Future Accident Rate: _____																																												
		c. Difference (a-b): _____																																												
		d. Calculated RF (c/a), (%): _____																																												
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors																																													
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
b. actual	0	21	21	64	85																																									
c. expected	0.2	24.7	24.9	60.1	85.0																																									
d. difference	0.2	3.7	3.9																																											
e. significance	1.91	7.697	7.727																																											
	NO	NO	NO																																											
SIGNIFICANCE	BEFORE COST/ACCIDENT CALCULATION																																													
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TYPE	# ACC	COST/ACC	ACC. COST																																											
Fatal	_____	_____	_____																																											
Injury	_____	_____	_____																																											
F&I	_____	_____	_____																																											
PDO	_____	_____	_____																																											
Total	_____	_____	_____																																											
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement																																													
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 28.3 X VCF 1.019 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$1,137,749.15																																													
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																													

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 61-17	From or at Ref Mrkr. 481/ 3301 2050
	At Intersection With (If Applicable) Segment 7		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2057

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 58740	Future AADT: 59260	Volume Correction Factor (VCF):	1.004

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	14	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	5	5	9	14	Injury	_____	_____	_____
	c. expected	0.0	4.1	4.1	9.9	14.0	F&I	_____	_____	_____
	d. difference	0	0.9	0.9			PDO	_____	_____	_____
	e. significance	1.91	3.445	3.445						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 4.7 X VCF 1.004 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$184,680.51	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 61-17, 68-5	From or at Ref Mrkr. 481/ 3301 2058
	At Intersection With (If Applicable) Segment 8		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2067

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 38440	Future AADT: 37910	Volume Correction Factor (VCF): 0.993	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 40	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	33	40	Injury	_____	_____	_____
	c. expected	0.1	11.6	11.7	28.3	40.0	F&I	_____	_____	_____
	d. difference	0.1	4.6	4.7			PDO	_____	_____	_____
	e. significance	1.91	5.367	5.389						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 13.3 X VCF 0.993 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$521,711.76	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7		From or at Ref Mrkr. 481/ 3301 2068
	At Intersection With (If Applicable) Segment 9		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2074
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F				
	Present AADT: 51350		Future AADT: 51290		Volume Correction Factor (VCF): 0.999
REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.000				
	Method II (Engineering Analysis)		Method III (For General Upgrading)		
	a. Total Accidents:	16	a. Existing Accident Rate:		
	b. Accidents Reduced:	0	b. Future Accident Rate:		
c. Calculated RF (b/a):	0%	c. Difference (a-b):			
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):			
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
		FATAL	INJ.	F & I	PDO
a. % by severity	0.26	29.04	29.30	70.70	100.0
b. actual	0	3	3	13	16
c. expected	0.0	4.6	4.6	11.3	15.9
d. difference	0	1.6	1.6		
e. significance	1.91	3.614	3.614		
	NO	NO	NO		
BEFORE COST/ACCIDENT CALCULATION					
	TYPE	# ACC	COST/ACC	ACC. COST	
	Fatal				
	Injury				
	F&I				
	PDO				
	Total				
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement				
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 5.3 X VCF 0.999 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$210,010.57				
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7		From or at Ref Mrkr. 481/ 3301 2075
	At Intersection With (If Applicable) Segment 10		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2082
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F				
	Present AADT: 43770		Future AADT: 43370		Volume Correction Factor (VCF): 0.995
REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.000				
	Method II (Engineering Analysis)		Method III (For General Upgrading)		
	a. Total Accidents:	52	a. Existing Accident Rate:		
	b. Accidents Reduced:	0	b. Future Accident Rate:		
c. Calculated RF (b/a):	0%	c. Difference (a-b):			
d. Calculated RF (c/a), (%):					
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
		FATAL	INJ.	F & I	PDO
a. % by severity	0.26	29.04	29.30	70.70	100.0
b. actual	0	13	13	39	52
c. expected	0.1	15.1	15.2	36.8	52.0
d. difference	0.1	2.1	2.2		
e. significance	1.91	6.087	6.106		
	NO	NO	NO		
BEFORE COST/ACCIDENT CALCULATION					
	TYPE	# ACC	COST/ACC	ACC. COST	
	Fatal				
	Injury				
	F&I				
	PDO				
	Total				
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement				
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
	ACC/YR 17.3 X VCF 0.995 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$679,812.78				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2083
	At Intersection With (If Applicable) Segment 11		Route No. or Street Name	To Ref Mrkr. 481/ 3301 2089

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 42500	Future AADT: 42050	Volume Correction Factor (VCF): 0.995	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	14	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal			
	b. actual	0	5	5	9	14	Injury			
	c. expected	0.0	4.1	4.1	9.9	14.0	F&I			
	d. difference	0	0.9	0.9			PDO			
	e. significance	1.91	3.445	3.445						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 4.7 X VCF 0.995 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$182,893.25	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2090
	At Intersection With (If Applicable) Segment 12		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2094

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 32110	Future AADT: 31510	Volume Correction Factor (VCF): 0.991	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 10	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	10	10	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	7.1	10.0	F&I	_____	_____	_____
	d. difference	0	2.9	2.9			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 3.3 X VCF 0.991 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400	= \$130,106.30
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2095
	At Intersection With (If Applicable) Segment 13		Route No. or Street Name	To Ref Mrkr. 481/ 3301 2098

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 34060	Future AADT: 33650	Volume Correction Factor (VCF): 0.994	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 10	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	7	10	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	7.1	10.0	F&I	_____	_____	_____
	d. difference	0	0.1	0.1			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 3.3 X VCF 0.994 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$130,542.87	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2099
	At Intersection With (If Applicable) Segment 14		Route No. or Street Name	To Ref Mrkr. 481/ 3301 2101

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 26070	Future AADT: 25650	Volume Correction Factor (VCF): 0.992	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 6	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	3	6	Injury	_____	_____	_____
	c. expected	0.0	1.7	1.7	4.2	5.9	F&I	_____	_____	_____
	d. difference	0	1.3	1.3			PDO	_____	_____	_____
	e. significance	1.91	2.384	2.384						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 2.0 X VCF 0.992 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$78,165.25	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7		From or at Ref Mrkr. 481/ 3301 2102
	At Intersection With (If Applicable) Segment 15		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2126
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F				
	Present AADT: 32140		Future AADT: 31680		Volume Correction Factor (VCF): 0.993
REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.000				
	Method II (Engineering Analysis)		Method III (For General Upgrading)		
	a. Total Accidents:	28	a. Existing Accident Rate:		
	b. Accidents Reduced:	0	b. Future Accident Rate:		
c. Calculated RF (b/a):	0%	c. Difference (a-b):			
d. Calculated RF (c/a), (%):					
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
		FATAL	INJ.	F & I	PDO
a. % by severity	0.26	29.04	29.30	70.70	100.0
b. actual	0	8	8	20	28
c. expected	0.1	8.1	8.2	19.8	28.0
d. difference	0.1	0.1	0.2		
e. significance	1.91	4.579	4.602		
	NO	NO	NO		
BEFORE COST/ACCIDENT CALCULATION					
	TYPE	# ACC	COST/ACC	ACC. COST	
	Fatal				
	Injury				
	F&I				
	PDO				
	Total				
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement				
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 9.3 X VCF 0.993 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$365,101.76				
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2127
	At Intersection With (If Applicable) Segment 16		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2133

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 27850	Future AADT: 27460	Volume Correction Factor (VCF): 0.993	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 19	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	5	5	14	19	Injury	_____	_____	_____
	c. expected	0.0	5.5	5.5	13.4	18.9	F&I	_____	_____	_____
	d. difference	0	0.5	0.5			PDO	_____	_____	_____
	e. significance	1.91	3.895	3.895			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 6.3 X VCF 0.993 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400	= \$247,786.15
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2134
	At Intersection With (If Applicable) Segment 17		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2137

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 38680	Future AADT: 37540	Volume Correction Factor (VCF): 0.985	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 6	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	6	6	Injury	_____	_____	_____
	c. expected	0.0	1.7	1.7	4.2	5.9	F&I	_____	_____	_____
	d. difference	0	1.7	1.7			PDO	_____	_____	_____
	e. significance	1.91	2.384	2.384			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 2.0 X VCF 0.985 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$77,638.78	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7, 83-6, 69-5	From or at Ref Mrkr. 418/ 3301 2138
	At Intersection With (If Applicable) Segment 18		Route No. or Street Name	State Highway No. To Ref Mrkr. 481 3301 1004

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 38020	Future AADT: 36560	Volume Correction Factor (VCF):	0.981

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 36	a. Existing Accident Rate:		
b. Accidents Reduced: 0	b. Future Accident Rate:			
c. Calculated RF (b/a): 0%	c. Difference (a-b):			
	d. Calculated RF (c/a), (%):			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal			
	b. actual	0	7	7	29	36	Injury			
	c. expected	0.1	10.5	10.6	25.5	36.1	F&I			
	d. difference	0.1	3.5	3.6			PDO			
	e. significance	1.91	5.118	5.141			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement								
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:								
	ACC/YR	12.0	X VCF	0.981	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$39,400	=	\$463,722.04
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)							See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2005
	At Intersection With (If Applicable) Segment 1		Route No. or Street Name	State Highway No. To Ref Mrkr. 690I 3301 2010

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 64650	Future AADT: 70780	Volume Correction Factor (VCF): 1.047	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 47	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	X \$0	=	\$0
	b. actual	0	6	6	41	47	Injury	0	X \$0	=	\$0
	c. expected	0.1	13.6	13.7	33.2	46.9	F&I	6	X \$125,300	=	\$751,800
	d. difference	0.1	7.6	7.7			PDO	41	X \$3,800	=	\$155,800
	e. significance	1.91	5.79	5.811			Total	47	\$19,311		\$907,600
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 15.7 X VCF 1.047 X (1 - 0.000 RF) X AVG. COST/ACC. \$19,311 = \$316,882.11	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2011
	At Intersection With (If Applicable) Segment 2		Route No. or Street Name	To Ref Mrkr. 690I 3301 2015

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 57540	Future AADT: 66140	Volume Correction Factor (VCF): 1.075	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 35	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	10	10	25	35	Injury	_____	_____	_____
	c. expected	0.1	10.2	10.3	24.7	35.0	F&I	_____	_____	_____
	d. difference	0.1	0.2	0.3			PDO	_____	_____	_____
	e. significance	1.91	5.048	5.071			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 11.7 X VCF 1.075 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$494,017.84	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2016
	At Intersection With (If Applicable) Segment 3		Route No. or Street Name	State Highway No. To Ref Mrkr. 690I 3301 2017

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 61040	Future AADT: 73650	Volume Correction Factor (VCF):	1.103

REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.000				
	Method II (Engineering Analysis)			Method III (For General Upgrading)	
	a. Total Accidents:	18	a. Existing Accident Rate:		
b. Accidents Reduced:	0	b. Future Accident Rate:			
c. Calculated RF (b/a):	0%	c. Difference (a-b):			
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal			
	b. actual	0	7	7	11	18	Injury			
	c. expected	0.0	5.2	5.2	12.7	17.9	F&I			
	d. difference	0	1.8	1.8			PDO			
	e. significance	1.91	3.804	3.804			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR	6.0	X VCF	1.103	X (1 - 0.000 RF)	X AVG. COST/ACC. \$39,400 = \$260,818.45
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					

See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2018
	At Intersection With (If Applicable) Segment 4		Route No. or Street Name	State Highway No. To Ref Mrkr. 690I 3301 2024

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 56030	Future AADT: 57750	Volume Correction Factor (VCF):	1.015

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.280			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	94	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	25.86	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	28%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	21	21	73	94	Injury	_____	_____	_____
	c. expected	0.2	27.3	27.5	66.5	94.0	F&I	_____	_____	_____
	d. difference	0.2	6.3	6.5			PDO	_____	_____	_____
	e. significance	1.91	8.073	8.101						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement								
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:								
	ACC/YR	31.3	X VCF	1.015	X (1 - 0.280 RF)	X AVG. COST/ACC.	\$39,400	=	\$902,507.10
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)							See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2025
	At Intersection With (If Applicable) Segment 5		Route No. or Street Name	To Ref Mrkr. 690I 3301 2032

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 58750	Future AADT: 57880	Volume Correction Factor (VCF):	0.993

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.300			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	122	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	36.48	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	30%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	27	27	95	122	Injury	_____	_____	_____
	c. expected	0.3	35.4	35.7	86.3	122.0	F&I	_____	_____	_____
	d. difference	0.3	8.4	8.7			PDO	_____	_____	_____
	e. significance	1.91	9.138	9.175						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 40.7 X VCF 0.993 X (1 - 0.300 RF) X AVG. COST/ACC. \$39,400	= \$1,113,282.15
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-690		State Highway No.		From or at Ref Mrkr. 690I 3301 2033																																									
	At Intersection With (If Applicable) Segment 6		Route No. or Street Name		State Highway No. To Ref Mrkr. 690I 3301 2037																																									
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F																																													
	Present AADT: 74110		Future AADT: 78450		Volume Correction Factor (VCF): 1.029																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.100																																													
	Method II (Engineering Analysis) Method III (For General Upgrading)																																													
	a. Total Accidents: 65		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 6.81		b. Future Accident Rate: _____																																											
c. Calculated RF (b/a): 10%		c. Difference (a-b): _____																																												
		d. Calculated RF (c/a), (%): _____																																												
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors																																													
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
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TYPE	# ACC	COST/ACC	ACC. COST																																											
Fatal	_____	_____	_____																																											
Injury	_____	_____	_____																																											
F&I	_____	_____	_____																																											
PDO	_____	_____	_____																																											
Total																																														
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement																																													
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 21.7 X VCF 1.029 X (1 - 0.100 RF) X AVG. COST/ACC. \$39,400 = \$790,796.44																																													
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																													

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2038
	At Intersection With (If Applicable) Segment 7		Route No. or Street Name	To Ref Mrkr. 690I 3301 2042

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 65100	Future AADT: 68060	Volume Correction Factor (VCF):	1.023

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	80	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	X \$0	=	\$0
	b. actual	0	15	15	65	80	Injury	0	X \$0	=	\$0
	c. expected	0.2	23.2	23.4	56.6	80.0	F&I	15	X \$125,300	=	\$1,879,500
	d. difference	0.2	8.2	8.4			PDO	65	X \$3,800	=	\$247,000
	e. significance	1.91	7.47	7.501			Total	80	\$26,581		\$2,126,500
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 26.7 X VCF 1.023 X (1 - 0.000 RF) X AVG. COST/ACC. \$26,581	= \$724,941.31
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2042
	At Intersection With (If Applicable) Segment 8		Route No. or Street Name	To Ref Mrkr. 690I 3301 2046

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 67480	Future AADT: 70990	Volume Correction Factor (VCF): 1.026	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 25	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	19	25	Injury	_____	_____	_____
	c. expected	0.1	7.3	7.4	17.7	25.1	F&I	_____	_____	_____
	d. difference	0.1	1.3	1.4			PDO	_____	_____	_____
	e. significance	1.91	4.384	4.409			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 8.3 X VCF 1.026 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$336,872.53	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2047
	At Intersection With (If Applicable) Segment 9		Route No. or Street Name	State Highway No. To Ref Mrkr. 690I 3301 2052

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 62880	Future AADT: 66940	Volume Correction Factor (VCF): 1.032	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 56	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	14	14	41	55	Injury	_____	_____	_____
	c. expected	0.1	16.3	16.4	39.6	56.0	F&I	_____	_____	_____
	d. difference	0.1	2.3	2.4			PDO	_____	_____	_____
	e. significance	1.91	6.313	6.331						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 18.7 X VCF 1.032 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$759,210.26	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																																
		EVALUATION OF ALTERNATE NO.: Viaduct Alternative																																																																																
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																													
LOCATION	Route No. or Street Name I-690		State Highway No.		From or at Ref Mrkr. 690I 3301 2053																																																																													
	At Intersection With (If Applicable) Segment 10		Route No. or Street Name		State Highway No. To Ref Mrkr. 690I 3301 2056																																																																													
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F																																																																																	
	Present AADT: 63320		Future AADT: 67720		Volume Correction Factor (VCF): 1.035																																																																													
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																																	
	Method II (Engineering Analysis) a. Total Accidents: 30 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0% Method III (For General Upgrading) a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																																																																	
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors																																																																																	
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SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement																																																																																	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 10.0 X VCF 1.035 X (1 - 0.000 RF) X AVG. COST/ACC. \$20,000 = \$206,948.83 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																																																																	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2057
	At Intersection With (If Applicable) Segment 11		Route No. or Street Name	To Ref Mrkr. 690I 3301 3008

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 48710	Future AADT: 54660	Volume Correction Factor (VCF):	1.061

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	115	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	25	25	90	115	Injury	_____	_____	_____
	c. expected	0.3	33.4	33.7	81.3	115.0	F&I	_____	_____	_____
	d. difference	0.3	8.4	8.7			PDO	_____	_____	_____
	e. significance	1.91	8.888	8.926						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement			
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	38.3	X VCF	1.061
	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$39,400	= \$1,602,578.08
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct Alternative			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 3009
	At Intersection With (If Applicable) Segment 12		Route No. or Street Name	To Ref Mrkr. 690I 3301 3019

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 44930	Future AADT: 49930	Volume Correction Factor (VCF): 1.056	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 35	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	\$0	=	\$0
	b. actual	0	4	4	31	35	Injury	0	\$0	=	\$0
	c. expected	0.1	10.2	10.3	24.7	35.0	F&I	4	\$125,300	=	\$501,200
	d. difference	0.1	6.2	6.3			PDO	31	\$3,800	=	\$117,800
	e. significance	1.91	5.048	5.071			Total	35	\$17,686	=	\$619,000
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 11.7 X VCF 1.056 X (1 - 0.000 RF) X AVG. COST/ACC. \$17,686 = \$217,817.67	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N West St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>					
	Present AADT: 14520 Future AADT: 31359 Volume Correction Factor (VCF): 1.000 VCF is 1 as Crash Total reflected below is estimated crashes under the Viaduct Alternative					

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 18 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	<i>Please refer to Attachment F for reduction factor derivation.</i>					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity						Fatal	_____	_____	_____
	b. actual						Injury	_____	_____	_____
	c. expected						F&I	_____	_____	_____
	d. difference						PDO	_____	_____	_____
	e. significance						Total	_____	_____	_____

SAFETY BENEFITS	No Severity Check is required as estimated crashes assumed statewide averages					
	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 6.0 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$196,800.00					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 2/15/2020

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Wallace St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 14450		Future AADT: 14683		Volume Correction Factor (VCF): 1.008	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 10			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	9	10	Injury	_____	_____	_____
	c. expected	0.0	2.6	2.6	7.4	10.0	F&I	_____	_____	_____
	d. difference	0	1.6	1.6			PDO	_____	_____	_____
	e. significance	1.91	2.847	2.847						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.3 X VCF 1.008 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$110,214.81					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Franklin St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Herald Pl		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 17570	Future AADT: 5231	Volume Correction Factor (VCF):	0.649

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	14	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	12	14	Injury	_____	_____	_____
	c. expected	0.0	3.7	3.7	10.3	14.0	F&I	_____	_____	_____
	d. difference	0	1.7	1.7			PDO	_____	_____	_____
	e. significance	1.91	3.3	3.3						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>			
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 4.7 X VCF 0.649 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$99,319.10			
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)			See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Franklin St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 13580		Future AADT: 8895		Volume Correction Factor (VCF): 0.828	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: -0.090					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 32			a. Existing Accident Rate: _____		
	b. Accidents Reduced: -1.27			b. Future Accident Rate: _____		
c. Calculated RF (b/a): -9%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	25	32	Injury	_____	_____	_____
	c. expected	0.1	8.4	8.5	23.6	32.1	F&I	_____	_____	_____
	d. difference	0.1	1.4	1.5			PDO	_____	_____	_____
	e. significance	1.91	4.649	4.672						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 10.7 X VCF 0.828 X (1 - -0.090 RF) X AVG. COST/ACC. \$32,800 = \$315,572.39					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Franklin St		Route No. or Street Name		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 20790		Future AADT: 21783		Volume Correction Factor (VCF): 1.024	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 32			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	25	32	Injury	_____	_____	_____
	c. expected	0.1	8.4	8.5	23.6	32.1	F&I	_____	_____	_____
	d. difference	0.1	1.4	1.5			PDO	_____	_____	_____
	e. significance	1.91	4.649	4.672						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 10.7 X VCF 1.024 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$358,222.07					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Clinton St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Websters Landing		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 4290	Future AADT: 0	Volume Correction Factor (VCF):	0.500

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 1.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	1	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	1	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	100%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	0	1	Injury	_____	_____	_____
	c. expected	0.0	0.3	0.3	0.7	1.0	F&I	_____	_____	_____
	d. difference	0	0.7	0.7			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 0.3 X VCF 0.500 X (1 - 1.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Clinton St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 19340		Future AADT: 21549		Volume Correction Factor (VCF): 1.057	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.120					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 16			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 1.94			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 12%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	1	1	15	16	Injury	_____	_____	_____		
	c. expected	0.0	4.2	4.2	11.8	16.0	F&I	_____	_____	_____		
	d. difference	0	3.2	3.2			PDO	_____	_____	_____		
	e. significance	1.91	3.48	3.48								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 5.3 X VCF 1.057 X (1 - 0.120 RF) X AVG. COST/ACC. \$32,800 = \$162,732.86					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Clinton St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) W Washington St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 10580	Future AADT: 11444	Volume Correction Factor (VCF):	1.041

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	11	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	5	5	6	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	2.1	2.1			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.7 X VCF 1.041 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$125,177.37	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Clinton St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) W Fayette St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 12020		Future AADT: 12340		Volume Correction Factor (VCF): 1.013	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 17 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	16	17	Injury	_____	_____	_____
	c. expected	0.0	4.5	4.5	12.5	17.0	F&I	_____	_____	_____
	d. difference	0	3.5	3.5			PDO	_____	_____	_____
	e. significance	1.91	3.581	3.581			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 5.7 X VCF 1.013 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$188,340.77					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Clinton St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) W Onondaga St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 10710	Future AADT: 11057	Volume Correction Factor (VCF):	1.016

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	2	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	1.7	1.7			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.7 X VCF 1.016 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$55,552.26	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (W Adams St)		State Highway No. 62-7, 53-18		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Clinton St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 11560	Future AADT: 12346	Volume Correction Factor (VCF):	1.034

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	10	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	8	10	Injury	_____	_____	_____
	c. expected	0.0	2.6	2.6	7.4	10.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	2.847	2.847			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.3 X VCF 1.034 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$113,050.29	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Salina St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Herald Pl		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 14440	Future AADT: 13880	Volume Correction Factor (VCF): 0.981	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 7	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	26.48	26.74	73.26	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	6	7	Injury	_____	_____	_____
	c. expected	0.0	1.9	1.9	5.1	7.0	F&I	_____	_____	_____
	d. difference	0	0.9	0.9			PDO	_____	_____	_____
	e. significance	1.91	2.498	2.498						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.3 X VCF 0.981 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$82,142.38	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (James St / W Genessee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Salina St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 22460		Future AADT: 21611		Volume Correction Factor (VCF): 0.981	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 35		a. Existing Accident Rate: _____			
	b. Accidents Reduced: 0		b. Future Accident Rate: _____			
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	14	14	21	35	Injury	_____	_____	_____		
	c. expected	0.1	9.2	9.3	25.8	35.1	F&I	_____	_____	_____		
	d. difference	0.1	4.8	4.7			PDO	_____	_____	_____		
	e. significance	1.91	4.829	4.851								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 11.7 X VCF 0.981 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$375,434.16					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Salina St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) E/W Washington St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 12610	Future AADT: 12303	Volume Correction Factor (VCF):	0.988

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	11	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	7	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	1.1	1.1			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 3.7 X VCF 0.988 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800	= \$118,802.68

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Salina St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) E/W Fayette St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 13880	Future AADT: 13714	Volume Correction Factor (VCF):	0.994

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	25	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	7	11	Injury	_____	_____	_____
	c. expected	0.0	6.6	6.6	18.4	25.0	F&I	_____	_____	_____
	d. difference	0	2.6	2.6			PDO	_____	_____	_____
	e. significance	1.91	4.203	4.203						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 8.3 X VCF 0.994 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800	= \$271,698.85
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	

See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Salina St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St / Onondaga St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 13050		Future AADT: 13401		Volume Correction Factor (VCF): 1.013	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 22 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	18	22	Injury	_____	_____	_____
	c. expected	0.0	5.8	5.8	16.2	22.0	F&I	_____	_____	_____
	d. difference	0	1.8	1.8			PDO	_____	_____	_____
	e. significance	1.91	3.982	3.982			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 7.3 X VCF 1.013 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$243,768.09					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E/W Adams St)		State Highway No. 53-18		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Salina St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 17120	Future AADT: 17688	Volume Correction Factor (VCF): 1.017	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 38	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	11	11	27	38	Injury	_____	_____	_____
	c. expected	0.1	10.0	10.1	28.0	38.1	F&I	_____	_____	_____
	d. difference	0.1	1	0.9			PDO	_____	_____	_____
	e. significance	1.91	5	5.024						
		NO	NO	NO			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 12.7 X VCF 1.017 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$422,358.75	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Pearl St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Hickory St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 7800		Future AADT: 8228		Volume Correction Factor (VCF): 1.027	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 3			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	2	3	Injury	_____	_____	_____
	c. expected	0.0	0.8	0.8	2.2	3.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91						
		NO	NO	NO			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.0 X VCF 1.027 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$33,699.90					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Pearl St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Willow St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 7390		Future AADT: 7619		Volume Correction Factor (VCF): 1.015	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 4 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	3	4	Injury	_____	_____	_____
	c. expected	0.0	1.0	1.0	2.9	3.9	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.3 X VCF 1.015 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$44,410.93					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Warren St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Willow St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 5730		Future AADT: 6258		Volume Correction Factor (VCF): 1.046	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 3			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	3	3	Injury	_____	_____	_____
	c. expected	0.0	0.8	0.8	2.2	3.0	F&I	_____	_____	_____
	d. difference	0	0.8	0.8			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.0 X VCF 1.046 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$34,311.20					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (James St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Warren St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 16960	Future AADT: 15735	Volume Correction Factor (VCF): 0.964	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 14	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	10	14	Injury	_____	_____	_____
	c. expected	0.0	3.7	3.7	10.3	14.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	3.3	3.3						
		NO	NO	NO			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 4.7 X VCF 0.964 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$147,538.76	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Warren St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Erie Blvd E		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 6570		Future AADT: 6012		Volume Correction Factor (VCF): 0.958	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents:	6		a. Existing Accident Rate:	_____	
b. Accidents Reduced:	0		b. Future Accident Rate:	_____		
c. Calculated RF (b/a):	0%		c. Difference (a-b):	_____		
d. Calculated RF (c/a), (%):	_____		d. Calculated RF (c/a), (%):	_____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	6	6	Injury	_____	_____	_____
	c. expected	0.0	1.6	1.6	4.4	6.0	F&I	_____	_____	_____
	d. difference	0	1.6	1.6			PDO	_____	_____	_____
	e. significance	1.91	2.324	2.324			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 2.0 X VCF 0.958 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$62,814.25					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Warren St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 9080	Future AADT: 9343	Volume Correction Factor (VCF):	1.014

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	8	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	7	8	Injury	_____	_____	_____
	c. expected	0.0	2.1	2.1	5.9	8.0	F&I	_____	_____	_____
	d. difference	0	1.1	1.1			PDO	_____	_____	_____
	e. significance	1.91	2.604	2.604						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.7 X VCF 1.014 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$88,733.39	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E Adams St)		State Highway No. 53-18		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Warren St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 13190		Future AADT: 13644		Volume Correction Factor (VCF): 1.017	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 9 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	6	9	Injury	_____	_____	_____
	c. expected	0.0	2.4	2.4	6.6	9.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	2.754	2.754			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 3.0 X VCF 1.017 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$100,093.46					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name NY 5 (Oswego Blvd)		State Highway No. CITYST	From or at Ref Mrkr.
	At Intersection With (If Applicable) NY 5 (James St)/James St	Route No. or Street Name	State Highway No. CITYST	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 13750	Future AADT: 13271	Volume Correction Factor (VCF):	0.983

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	13	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	26.48	26.74	73.26	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	11	13	Injury	_____	_____	_____
	c. expected	0.0	3.4	3.4	9.5	12.9	F&I	_____	_____	_____
	d. difference	0	1.4	1.4			PDO	_____	_____	_____
	e. significance	1.91	3.185	3.185						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 4.3 X VCF 0.983 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$152,856.98	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) NY 5 (Oswego Blvd) / Montgomery St		Route No. or Street Name CTYST		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 6230		Future AADT: 5982		Volume Correction Factor (VCF): 0.980	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents:	7		a. Existing Accident Rate:	_____	
b. Accidents Reduced:	0		b. Future Accident Rate:	_____		
c. Calculated RF (b/a):	0%		c. Difference (a-b):	_____		
d. Calculated RF (c/a), (%):	_____		d. Calculated RF (c/a), (%):	_____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	0	0	7	7
	c. expected	0.0	1.8	1.8	5.2	7.0
	d. difference	0	1.8	1.8		
	e. significance	1.91	2.442	2.442		
		NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 2.3 X VCF 0.980 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$75,010.04					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Montgomery St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 8530		Future AADT: 8592		Volume Correction Factor (VCF): 1.004	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents:	7		a. Existing Accident Rate:		
b. Accidents Reduced:	0		b. Future Accident Rate:			
c. Calculated RF (b/a):	0%		c. Difference (a-b):			
d. Calculated RF (c/a), (%):			d. Calculated RF (c/a), (%):			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	3	3	4	7	Injury			
	c. expected	0.0	1.8	1.8	5.2	7.0	F&I			
	d. difference	0	1.2	1.2			PDO			
	e. significance	1.91	2.442	2.442			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.3 X VCF 1.004 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$76,811.47					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E Adams St)		State Highway No. 53-18		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Montgomery St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 12290	Future AADT: 12670	Volume Correction Factor (VCF): 1.015	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 4	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	3	4	Injury	_____	_____	_____
	c. expected	0.0	1.0	1.0	2.9	3.9	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.3 X VCF 1.015 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$44,409.44	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Hickory St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 5410		Future AADT: 4136		Volume Correction Factor (VCF): 0.882	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 5			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	4	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.7 X VCF 0.882 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$48,229.94					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Hickory St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 9930		Future AADT: 8975		Volume Correction Factor (VCF): 0.952	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 5			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	4	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.7 X VCF 0.952 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$52,037.93					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) NY 5 (Erie Blvd E)		Route No. or Street Name CTYST		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 16600		Future AADT: 15881		Volume Correction Factor (VCF): 0.978	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 11 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	10	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	1.9	1.9			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 3.7 X VCF 0.978 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$117,662.10					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Washington St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 12000		Future AADT: 11665		Volume Correction Factor (VCF): 0.986	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 13			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	ACC. COST	
	a. % by severity	0.17	26.23	26.40	73.60	100.0		Fatal	_____	_____	_____	
	b. actual	0	3	3	10	13		Injury	_____	_____	_____	
	c. expected	0.0	3.4	3.4	9.6	13.0		F&I	_____	_____	_____	
	d. difference	0	0.4	0.4				PDO	_____	_____	_____	
	e. significance	1.91	3.185	3.185				Total	_____	_____	_____	
		NO	NO	NO								

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 4.3 X VCF 0.986 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$140,149.39					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 11400		Future AADT: 13505		Volume Correction Factor (VCF): 1.092	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 22			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	16	22	Injury	_____	_____	_____
	c. expected	0.0	5.8	5.8	16.2	22.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	3.982	3.982						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 7.3 X VCF 1.092 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$262,740.47	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST	From or at Ref Mrkr.
	At Intersection With (If Applicable) NY 930C (E Adams St)		Route No. or Street Name 53-18, 66-7	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 16070	Future AADT: 16807	Volume Correction Factor (VCF): 1.023	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.000				
	Method II (Engineering Analysis)			Method III (For General Upgrading)	
	a. Total Accidents:	27	a. Existing Accident Rate:		
b. Accidents Reduced:	0	b. Future Accident Rate:			
c. Calculated RF (b/a):	0%	c. Difference (a-b):			
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	0	\$0	=	\$0
	b. actual	0	12	12	15	27	Injury	0	\$0	=	\$0
	c. expected	0.0	7.1	7.1	19.9	27.0	F&I	12	\$125,300	=	\$1,503,600
	d. difference	0	4.9	4.9			PDO	15	\$3,800	=	\$57,000
	e. significance	1.91	4.333	4.333			Total	27	\$57,800	=	\$1,560,600
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 9.0 X VCF 1.023 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$301,969.21	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Townsend St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Westbound I-690 Off-Ramp		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Eliminate intersection					
	Present AADT: 26950		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

VCF is zero as intersection is eliminated

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 5			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%			c. Difference (a-b): _____		
				d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	<i>No reduction factor is applied as intersection is eliminated and VCF is zero.</i>					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	3	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	0.7	0.7			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	<i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 1.7 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Townsend St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 20980		Future AADT: 18657		Volume Correction Factor (VCF): 0.945	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 23			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	7	7	16	23	Injury	_____	_____	_____		
	c. expected	0.0	6.0	6.0	16.9	22.9	F&I	_____	_____	_____		
	d. difference	0	1	1			PDO	_____	_____	_____		
	e. significance	1.91	4.039	4.039								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 7.7 X VCF 0.945 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$237,544.91					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Townsend St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) E Washington St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 13520	Future AADT: 12679	Volume Correction Factor (VCF):	0.969

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	8	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	6	8	Injury	_____	_____	_____
	c. expected	0.0	2.1	2.1	5.9	8.0	F&I	_____	_____	_____
	d. difference	0	0.1	0.1			PDO	_____	_____	_____
	e. significance	1.91	2.604	2.604			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.7 X VCF 0.969 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$84,746.27	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Townsend St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) E Fayette St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 14920	Future AADT: 15037	Volume Correction Factor (VCF):	1.004

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	16	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	13	16	Injury	_____	_____	_____
	c. expected	0.0	4.2	4.2	11.8	16.0	F&I	_____	_____	_____
	d. difference	0	1.2	1.2			PDO	_____	_____	_____
	e. significance	1.91	3.48	3.48						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 5.3 X VCF 1.004 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$175,619.23	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 92 (E Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Townsend St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 15600	Future AADT: 16249	Volume Correction Factor (VCF): 1.021	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 11	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	7	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	1.1	1.1			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98						
		NO	NO	NO			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 3.7 X VCF 1.021 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$122,768.37	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Townsend St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 17360		Future AADT: 21158		Volume Correction Factor (VCF): 1.109	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 12			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	10	12	Injury	_____	_____	_____
	c. expected	0.0	3.1	3.1	8.8	11.9	F&I	_____	_____	_____
	d. difference	0	1.1	1.1			PDO	_____	_____	_____
	e. significance	1.91	3.065	3.065						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 4.0 X VCF 1.109 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$145,551.89					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E Adams St)		State Highway No. 66-7		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Townsend St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 19760		Future AADT: 19203		Volume Correction Factor (VCF): 0.986	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 38 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0		Fatal	0	X \$0	= \$0
	b. actual	0	4	4	34	38		Injury	0	X \$0	= \$0
	c. expected	0.1	10.0	10.1	28.0	38.1		F&I	4	X \$125,300	= \$501,200
	d. difference	0.1	6	6.1				PDO	34	X \$3,800	= \$129,200
	e. significance	1.91	5	5.024				Total	38	\$16,589	\$630,400
	NO	YES	YES								

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 12.7 X VCF 0.986 X (1 - 0.000 RF) X AVG. COST/ACC. \$16,589 = \$207,165.77					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N McBride St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) EB I-690 Off-Ramp		Route No. or Street Name		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Eliminate intersection					
	Present AADT: 7180		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

VCF is 0 as intersection does not exist in this alternative

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents:	1		a. Existing Accident Rate:	_____	
b. Accidents Reduced:	0		b. Future Accident Rate:	_____		
c. Calculated RF (b/a):	0%		c. Difference (a-b):	_____		
d. Calculated RF (c/a), (%):	_____		d. Calculated RF (c/a), (%):	_____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	No reduction factor is applied as intersection is eliminated and VCF is zero.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	0	0	1	1
	c. expected	0.0	0.3	0.3	0.7	1.0
	d. difference	0	0.3	0.3		
	e. significance	1.91	1.91	1.91		
		NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 0.3 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N/S McBride St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 13120		Future AADT: 13664		Volume Correction Factor (VCF): 1.021	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 15			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	9	15	Injury	_____	_____	_____
	c. expected	0.0	3.9	3.9	11.0	14.9	F&I	_____	_____	_____
	d. difference	0	2.1	2.1			PDO	_____	_____	_____
	e. significance	1.91	3.373	3.373						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 5.0 X VCF 1.021 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$167,400.00					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Catherine St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Burnet Av		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 6460		Future AADT: 6319		Volume Correction Factor (VCF): 0.989	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 13 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	9	13	Injury	_____	_____	_____
	c. expected	0.0	3.4	3.4	9.6	13.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	3.185	3.185			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 4.3 X VCF 0.989 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$140,582.19					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Almond St / Catherine St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 13020		Future AADT: 21116		Volume Correction Factor (VCF): 1.311	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 12 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	5	5	7	12	Injury	_____	_____	_____
	c. expected	0.0	3.1	3.1	8.8	11.9	F&I	_____	_____	_____
	d. difference	0	1.9	1.9			PDO	_____	_____	_____
	e. significance	1.91	3.065	3.065			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 4.0 X VCF 1.311 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$171,990.91					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Water St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 7720		Future AADT: 10512		Volume Correction Factor (VCF): 1.181	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: -0.030					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 18			a. Existing Accident Rate: _____		
	b. Accidents Reduced: -0.54			b. Future Accident Rate: _____		
c. Calculated RF (b/a): -3%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	14	18	Injury	_____	_____	_____
	c. expected	0.0	4.7	4.7	13.2	17.9	F&I	_____	_____	_____
	d. difference	0	0.7	0.7			PDO	_____	_____	_____
	e. significance	1.91	3.647	3.647						
		NO	NO	NO			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 6.0 X VCF 1.181 X (1 - -0.030 RF) X AVG. COST/ACC. \$32,800 = \$239,358.76					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Washington St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 8400		Future AADT: 11610		Volume Correction Factor (VCF): 1.191	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 4			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	1	1	3	4	Injury	_____	_____	_____		
	c. expected	0.0	1.0	1.0	2.9	3.9	F&I	_____	_____	_____		
	d. difference	0	0	0			PDO	_____	_____	_____		
	e. significance	1.91	1.91	1.91								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.3 X VCF 1.191 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$52,089.52					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Fayette St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 11170		Future AADT: 13125		Volume Correction Factor (VCF): 1.088	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: -0.360					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 9 b. Accidents Reduced: -3.21 c. Calculated RF (b/a): -36%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	6	9	Injury	_____	_____	_____
	c. expected	0.0	2.4	2.4	6.6	9.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	2.754	2.754			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.0 X VCF 1.088 X (1 - -0.360 RF) X AVG. COST/ACC. \$32,800 = \$145,535.10	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: Viaduct																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name NY 92 (E Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.																																																																		
	At Intersection With (If Applicable) Almond St		Route No. or Street Name		To Ref Mrkr.																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.																																																																						
	Present AADT: 19280		Future AADT: 18172		Volume Correction Factor (VCF): 0.971																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: -0.060																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 7		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: -0.4		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): -6%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.																																																																							
CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>3</td> <td>3</td> <td>4</td> <td>7</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>1.8</td> <td>1.8</td> <td>5.2</td> <td>7.0</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>1.2</td> <td>1.2</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>2.442</td> <td>2.442</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>							FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	3	3	4	7	c. expected	0.0	1.8	1.8	5.2	7.0	d. difference	0	1.2	1.2			e. significance	1.91	2.442	2.442				NO	NO	NO			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____
	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
a. % by severity	0.17	26.23	26.40	73.60	100.0																																																																		
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.3 X VCF 0.971 X (1 - -0.060 RF) X AVG. COST/ACC. \$32,800 = \$78,794.24 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Southbound I-81 Off-ramp		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 12740		Future AADT: 12564		Volume Correction Factor (VCF): 0.993	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 3 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	2	3	Injury	_____	_____	_____
	c. expected	0.0	0.8	0.8	2.2	3.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.0 X VCF 0.993 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$32,573.44					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER				
	EVALUATION OF ALTERNATE NO.: Viaduct				
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3	
LOCATION	Route No. or Street Name Harrison St		State Highway No. From or at Ref Mrkr.		
	At Intersection With (If Applicable) Southbound I-81 Off-ramp		Route No. or Street Name State Highway No. To Ref Mrkr.		
PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.				
	Present AADT: 10260		Future AADT: 14451 Volume Correction Factor (VCF): 1.204		
REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.000				
	Method II (Engineering Analysis)		Method III (For General Upgrading)		
	a. Total Accidents: 8 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.				
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
		FATAL	INJ.	F & I	PDO
a. % by severity	0.17	26.23	26.40	73.60	100.0
b. actual	0	0	0	8	8
c. expected	0.0	2.1	2.1	5.9	8.0
d. difference	0	2.1	2.1		
e. significance	1.91	2.604	2.604		
	NO	NO	NO		
BEFORE COST/ACCIDENT CALCULATION					
	TYPE	# ACC	COST/ACC	ACC. COST	
	Fatal	_____	_____	_____	
	Injury	_____	_____	_____	
	F&I	_____	_____	_____	
	PDO	_____	_____	_____	
	Total	_____	_____	_____	
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement				
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:				
	ACC/YR 2.7 X VCF 1.204 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$105,330.84				
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 43670		Future AADT: 39068		Volume Correction Factor (VCF): 0.947	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: -0.070					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 61 b. Accidents Reduced: -4.32 c. Calculated RF (b/a): -7%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	16	16	45	61	Injury	_____	_____	_____
	c. expected	0.1	16.0	16.1	44.9	61.0	F&I	_____	_____	_____
	d. difference	0.1	0	0.1			PDO	_____	_____	_____
	e. significance	1.91	6.257	6.276			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 20.3 X VCF 0.947 X (1 - -0.070 RF) X AVG. COST/ACC. \$32,800 = \$676,017.65					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E Adams St)		State Highway No. 66-7		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Almond St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 41880		Future AADT: 34783		Volume Correction Factor (VCF): 0.915	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: -0.080					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 71			a. Existing Accident Rate: _____		
	b. Accidents Reduced: -6			b. Future Accident Rate: _____		
c. Calculated RF (b/a): -8%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	24	24	47	71	Injury	_____	_____	_____		
	c. expected	0.1	18.6	18.7	52.3	71.0	F&I	_____	_____	_____		
	d. difference	0.1	5.4	5.3			PDO	_____	_____	_____		
	e. significance	1.91	6.723	6.74								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 23.7 X VCF 0.915 X (1 - -0.080 RF) X AVG. COST/ACC. \$32,800 = \$767,332.93					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Burt St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 8620	Future AADT: 7750	Volume Correction Factor (VCF):	0.950

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	1	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	1	1	Injury	_____	_____	_____
	c. expected	0.0	0.3	0.3	0.7	1.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 0.3 X VCF 0.950 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$10,381.59	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Van Buren St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 8900		Future AADT: 10229		Volume Correction Factor (VCF): 1.075	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.150					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 4 b. Accidents Reduced: 0.6 c. Calculated RF (b/a): 15%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	4	4	Injury	_____	_____	_____
	c. expected	0.0	1.0	1.0	2.9	3.9	F&I	_____	_____	_____
	d. difference	0	1	1			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.3 X VCF 1.075 X (1 - 0.150 RF) X AVG. COST/ACC. \$32,800 = \$39,948.80					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930B (West St)		State Highway No. 62-7		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Westbound I-690 Ramps		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: NONE		Future AADT: 11466		Volume Correction Factor (VCF): N/A	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 7		a. Existing Accident Rate: _____			
	b. Accidents Reduced: 0		b. Future Accident Rate: _____			
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			
	Please see Attachment E for derivation of total crashes.					
	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No reduction factor is provided as total number of crashes is estimated. Refer to Attachment E for derivation of crash total estimate.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity						Fatal	_____	_____	_____		
	b. actual						Injury	_____	_____	_____		
	c. expected						F&I	_____	_____	_____		
	d. difference						PDO	_____	_____	_____		
	e. significance						Total					
	A significance check is not required for this segment as it is a new facility and average crash rates are being used to develop an estimated crash total.											

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement											
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:											
	ACC/YR 2.3 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$76,533.33											
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)										See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930B (West St)		State Highway No. 62-7		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Eastbound I-690 Ramps		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 0		Future AADT: 20648		Volume Correction Factor (VCF): 1.000	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 12			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			
Please see Attachment E for derivation of total crashes.						
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No reduction factor is provided as total number of crashes is estimated. Refer to Attachment E for derivation of crash total estimate.						

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity						Fatal	_____	_____	_____		
	b. actual						Injury	_____	_____	_____		
	c. expected						F&I	_____	_____	_____		
	d. difference						PDO	_____	_____	_____		
	e. significance											
							Total					
A significance check is not required for this segment as it is a new facility and average crash rates are being used to develop an estimated crash total.												

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement											
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:											
	ACC/YR 4.0 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$131,200.00											
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)												
See Attachment I												

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: Viaduct																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name Southbound I-81 Off-Ramp		State Highway No.		From or at Ref Mrkr.																																									
	At Intersection With (If Applicable) Willow St		Route No. or Street Name		To Ref Mrkr.																																									
PROJECT DATA	PROPOSED IMPROVEMENT: Intersection does not exist in viaduct alternative.																																													
	Present AADT: 0		Future AADT: 0		Volume Correction Factor (VCF): 0.000																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents:	0	a. Existing Accident Rate:																																											
b. Accidents Reduced:	0	b. Future Accident Rate:																																												
c. Calculated RF (b/a):	0%	c. Difference (a-b):																																												
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):																																												
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No reduction factor is applied as intersection does not exist in this alternative.																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.17	26.23	26.40	73.60	100.0																																									
b. actual	0	0	0	0	0																																									
c. expected	0.0	0.0	0.0	0.0	0.0																																									
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ESTIMATED ANNUAL SAFETY BENEFITS (A - B)																																														
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PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Pearl St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) James St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Intersection does not exist in viaduct alternative.					
	Present AADT: 0		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 0 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No reduction factor is applied as intersection does not exist in this alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 0.0 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: Viaduct																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.																																									
	At Intersection With (If Applicable) MLK Jr E		Route No. or Street Name		To Ref Mrkr.																																									
PROJECT DATA	PROPOSED IMPROVEMENT: Intersection does not exist in viaduct alternative.																																													
	Present AADT: #N/A		Future AADT: #N/A		Volume Correction Factor (VCF): #N/A																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 0 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																											
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Fatal	_____	_____	_____																																											
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A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement																																														
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 0.0 X VCF #N/A X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = #N/A																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)																																														
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PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Catherine St					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Westbound I-690 Off-Ramp				To Ref Mrkr.	
PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>						
Present AADT: 0 Future AADT: 13559 Volume Correction Factor (VCF): 1.000						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
d. Calculated RF (c/a), (%): _____				
<i>Please see Attachment E for derivation of total crashes.</i>				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <i>No reduction factor is provided as total number of crashes is estimated. Refer to Attachment E for derivation of crash total estimate.</i>				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	1.3	1.3			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	<i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 1.7 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$59,833.33	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Catherine St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Eastbound I-690 On-Ramp		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.		
	Present AADT: 0	Future AADT: 16605	Volume Correction Factor (VCF): 1.000

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 1	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		
	Please see Attachment E for derivation of total crashes.			
	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No reduction factor is provided as total number of crashes is estimated. Refer to Attachment E for derivation of crash total estimate.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	0.3	0.3	0.7	1.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 0.3 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$11,966.67	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name MLK JR E		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Southbound I-81 On-Ramp		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 0	Future AADT: 3744	Volume Correction Factor (VCF):	1.000

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	1	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____
	Please see Attachment E for derivation of total crashes.			
	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No reduction factor is provided as total number of crashes is estimated. Refer to Attachment E for derivation of crash total estimate.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	0.3	0.3	0.7	1.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 0.3 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$11,966.67	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	MLK JR E					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Northbound I-81 Off-Ramp				To Ref Mrkr.	
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 0 Future AADT: 8284 Volume Correction Factor (VCF): 1.000						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	3	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
d. Calculated RF (c/a), (%): _____				
Please see Attachment E for derivation of total crashes.				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No reduction factor is provided as total number of crashes is estimated. Refer to Attachment E for derivation of crash total estimate.				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	0.8	0.8	2.2	3.0	F&I	_____	_____	_____
	d. difference	0	0.8	0.8			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 1.0 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$35,900.00	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name BL-81 Ramps		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) East Glen Avenue		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Intersection does not exist in viaduct alternative.					
	Present AADT: 0		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 0 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No reduction factor is applied as intersection does not exist in this alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 0.0 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name East Brighton Avenue		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) East Glen Avenue		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Intersection does not exist in viaduct alternative.					
	Present AADT: 0		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 0 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No reduction factor is applied as intersection does not exist in this alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 0.0 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Salina St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) SB I-81 Exit 19 Off-Ramp		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Intersection does not exist in viaduct alternative.					
	Present AADT: 11120		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

VCF is zero as intersection does not exist in the Viaduct Alternative.

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 1			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%			c. Difference (a-b): _____		
				d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No reduction factor is applied as intersection does not exist in this alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	ACC. COST	
	a. % by severity	0.16	27.60	27.76	72.24	100.0		Fatal	_____	_____	_____	
	b. actual	0	0	0	1	1		Injury	_____	_____	_____	
	c. expected	0.0	0.3	0.3	0.7	1.0		F&I	_____	_____	_____	
	d. difference	0	0.3	0.3				PDO	_____	_____	_____	
	e. significance	1.91	1.91	1.91				Total	_____	_____	_____	
		NO	NO	NO								

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 0.3 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$33,000 = \$0.00					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	N Crouse Av					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Burnet Av				To Ref Mrkr.	
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 6390 Future AADT: 6332 Volume Correction Factor (VCF): 0.995						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	1	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.17	26.23	26.40	73.60	100.0
b. actual	0	0	0	1	1
c. expected	0.0	0.3	0.3	0.7	1.0
d. difference	0	0.3	0.3		
e. significance	1.91	1.91	1.91		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal			
Injury			
F&I			
PDO			
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR	0.3 X VCF 0.995 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$10,883.71
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Crouse Av		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>					
	Present AADT: 12150		Future AADT: 12396		Volume Correction Factor (VCF): 1.010	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 4 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <i>Please refer to Attachment F for reduction factor derivation.</i>					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	2	2	2	4
	c. expected	0.0	1.0	1.0	2.9	3.9
	d. difference	0	1	1		
	e. significance	1.91	1.91	1.91		
	NO	NO	NO			

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.3 X VCF 1.010 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$44,176.07					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: Viaduct																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name S Crouse Av		State Highway No.		From or at Ref Mrkr.																																																																		
	At Intersection With (If Applicable) E Water St		Route No. or Street Name		To Ref Mrkr.																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.																																																																						
	Present AADT: 5190		Future AADT: 4719		Volume Correction Factor (VCF): 0.955																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 5		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.																																																																							
CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>1</td> <td>1</td> <td>4</td> <td>5</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>1.3</td> <td>1.3</td> <td>3.7</td> <td>5.0</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>0.3</td> <td>0.3</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>2.131</td> <td>2.131</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>							FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	1	1	4	5	c. expected	0.0	1.3	1.3	3.7	5.0	d. difference	0	0.3	0.3			e. significance	1.91	2.131	2.131				NO	NO	NO			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____
	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
a. % by severity	0.17	26.23	26.40	73.60	100.0																																																																		
b. actual	0	1	1	4	5																																																																		
c. expected	0.0	1.3	1.3	3.7	5.0																																																																		
d. difference	0	0.3	0.3																																																																				
e. significance	1.91	2.131	2.131																																																																				
	NO	NO	NO																																																																				
TYPE	# ACC	COST/ACC	ACC. COST																																																																				
Fatal	_____	_____	_____																																																																				
Injury	_____	_____	_____																																																																				
F&I	_____	_____	_____																																																																				
PDO	_____	_____	_____																																																																				
Total	_____	_____	_____																																																																				
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.7 X VCF 0.955 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$52,186.13 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Irving Av					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	E Fayette St				To Ref Mrkr.	
PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>						
Present AADT: 7040 Future AADT: 6745 Volume Correction Factor (VCF): 0.979						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	1	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.17	26.23	26.40	73.60	100.0
b. actual	0	0	0	1	1
c. expected	0.0	0.3	0.3	0.7	1.0
d. difference	0	0.3	0.3		
e. significance	1.91	1.91	1.91		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal			
Injury			
F&I			
PDO			
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	<i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 0.3 X VCF 0.979 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$10,704.26	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Crouse Av		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Fayette St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 7790		Future AADT: 8025		Volume Correction Factor (VCF): 1.015	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 5 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	5	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	1.3	1.3			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.7 X VCF 1.015 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$55,491.23	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 92 (E Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Irving Av		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 13240		Future AADT: 12800		Volume Correction Factor (VCF): 0.983	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 18 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	5	5	13	18
	c. expected	0.0	4.7	4.7	13.2	17.9
	d. difference	0	0.3	0.3		
	e. significance	1.91	3.647	3.647		
	NO	NO	NO			

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 6.0 X VCF 0.983 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$193,529.91					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 92 (E Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Crouse Av		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 10990		Future AADT: 10724		Volume Correction Factor (VCF): 0.988	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.160					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 21 b. Accidents Reduced: 3.41 c. Calculated RF (b/a): 16%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	3	3	18	21
	c. expected	0.0	5.5	5.5	15.5	21.0
	d. difference	0	2.5	2.5		
	e. significance	1.91	3.895	3.895		
	NO	NO	NO			

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 7.0 X VCF 0.988 X (1 - 0.160 RF) X AVG. COST/ACC. \$32,800 = \$190,529.98					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Sarah Lougen Dr		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 15690		Future AADT: 16779		Volume Correction Factor (VCF): 1.035	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 8 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	8	8	Injury	_____	_____	_____
	c. expected	0.0	2.1	2.1	5.9	8.0	F&I	_____	_____	_____
	d. difference	0	2.1	2.1			PDO	_____	_____	_____
	e. significance	1.91	2.604	2.604			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 2.7 X VCF 1.035 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$90,502.08					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Elizabeth Blackwell St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 12430		Future AADT: 14044		Volume Correction Factor (VCF): 1.065	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 5 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	0	0	5	5
	c. expected	0.0	1.3	1.3	3.7	5.0
	d. difference	0	1.3	1.3		
	e. significance	1.91	2.131	2.131		
	NO	NO	NO			

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.7 X VCF 1.065 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$58,215.82	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Elizabeth Blackwell St					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Harrison St					
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 16210 Future AADT: 16153 Volume Correction Factor (VCF): 0.998						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.17	26.23	26.40	73.60	100.0
b. actual	0	0	0	5	5
c. expected	0.0	1.3	1.3	3.7	5.0
d. difference	0	1.3	1.3		
e. significance	1.91	2.131	2.131		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal			
Injury			
F&I			
PDO			
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR	1.7 X VCF 0.998 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$54,570.55
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: Viaduct																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name S Crouse Av		State Highway No.		From or at Ref Mrkr.																																									
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		To Ref Mrkr.																																									
PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.																																													
	Present AADT: 8030		Future AADT: 7194		Volume Correction Factor (VCF): 0.948																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.140																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents: 8		a. Existing Accident Rate: _____																																											
	b. Accidents Reduced: 1.08		b. Future Accident Rate: _____																																											
	c. Calculated RF (b/a): 14%		c. Difference (a-b): _____																																											
			d. Calculated RF (c/a), (%): _____																																											
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.																																													
SAFETY BENEFITS	CHECK OF SEVERITY DISTRIBUTION																																													
	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>1</td> <td>1</td> <td>7</td> <td>8</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>2.1</td> <td>2.1</td> <td>5.9</td> <td>8.0</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>1.1</td> <td>1.1</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>2.604</td> <td>2.604</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </table>						FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	1	1	7	8	c. expected	0.0	2.1	2.1	5.9	8.0	d. difference	0	1.1	1.1			e. significance	1.91	2.604	2.604				NO	NO	NO	
	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.17	26.23	26.40	73.60	100.0																																									
b. actual	0	1	1	7	8																																									
c. expected	0.0	2.1	2.1	5.9	8.0																																									
d. difference	0	1.1	1.1																																											
e. significance	1.91	2.604	2.604																																											
	NO	NO	NO																																											
BEFORE COST/ACCIDENT CALCULATION																																														
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </table>						TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____																	
TYPE	# ACC	COST/ACC	ACC. COST																																											
Fatal	_____	_____	_____																																											
Injury	_____	_____	_____																																											
F&I	_____	_____	_____																																											
PDO	_____	_____	_____																																											
Total	_____	_____	_____																																											
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement																																														
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.7 X VCF 0.948 X (1 - 0.140 RF) X AVG. COST/ACC. \$32,800 = \$71,305.70																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I																																									

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Irving St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Adams St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 16190		Future AADT: 16191		Volume Correction Factor (VCF): 1.000	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 35		a. Existing Accident Rate: _____			
	b. Accidents Reduced: 0		b. Future Accident Rate: _____			
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	5	5	30	35	Injury	_____	_____	_____
	c. expected	0.1	9.2	9.3	25.8	35.1	F&I	_____	_____	_____
	d. difference	0.1	4.2	4.3			PDO	_____	_____	_____
	e. significance	1.91	4.829	4.851						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 11.7 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$382,678.48					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	S Crouse Av					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.	
	E Adams St					
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 7750 Future AADT: 7145 Volume Correction Factor (VCF): 0.961						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.080			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	16	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	1.28	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	8%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:				
	Please refer to Attachment F for reduction factor derivation.				

SAFETY BENEFITS	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	12	16	Injury	_____	_____	_____
	c. expected	0.0	4.2	4.2	11.8	16.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	3.48	3.48						
		NO	NO	NO			Total			

A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
ACC/YR	5.3 X VCF 0.961 X (1 - 0.080 RF) X AVG. COST/ACC. \$32,800 = \$154,656.87
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Irving Av		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Waverly Av		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>					
	Present AADT: 9720		Future AADT: 12779		Volume Correction Factor (VCF): 1.157	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 9			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	<i>Please refer to Attachment F for reduction factor derivation.</i>					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	0	0	9	9
	c. expected	0.0	2.4	2.4	6.6	9.0
	d. difference	0	2.4	2.4		
	e. significance	1.91	2.754	2.754		
		NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	<i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 3.0 X VCF 1.157 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$113,883.83					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						
See Attachment I						

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Crouse Av		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Waverly Av		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 9060		Future AADT: 8469		Volume Correction Factor (VCF): 0.967	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 9 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	0	0	9	9
	c. expected	0.0	2.4	2.4	6.6	9.0
	d. difference	0	2.4	2.4		
	e. significance	1.91	2.754	2.754		
	NO	NO	NO			

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 3.0 X VCF 0.967 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$95,190.60					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Irving Av		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) University Pl		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 13960		Future AADT: 13298		Volume Correction Factor (VCF): 0.976	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 5 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	4	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.7 X VCF 0.976 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$53,370.49					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Irving Av					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.	
	Van Buren St					
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 9480 Future AADT: 12779 Volume Correction Factor (VCF): 1.174						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.390			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	4	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	1.55	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	39%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.26	26.48	26.74	73.26	100.0
b. actual	0	1	1	3	4
c. expected	0.0	1.1	1.1	2.9	4.0
d. difference	0	0.1	0.1		
e. significance	1.91	1.987	1.987		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 1.3 X VCF 1.174 X (1 - 0.390 RF) X AVG. COST/ACC. \$35,900 = \$34,279.17	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Crouse Ave					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Westbound I-690				To Ref Mrkr.	
PROPOSED IMPROVEMENT: Intersection does not exist in viaduct alternative.						
Present AADT: 0 Future AADT: 0 Volume Correction Factor (VCF): 0.000						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	0	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	
	Intersection does not exist in Viaduct Alternative.	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	0	0	0	0	Injury			
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I			
	d. difference	0	0	0			PDO			
	e. significance	1.91	1.91	1.91			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR	0.0 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Crouse Ave		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Eastbound I-690		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Intersection does not exist in viaduct alternative.					
	Present AADT: 0		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 0			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Intersection does not exist in Viaduct Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	ACC. COST	
	a. % by severity	0.17	26.23	26.40	73.60	100.0		Fatal	_____	_____	_____	
	b. actual	0	0	0	0	0		Injury	_____	_____	_____	
	c. expected	0.0	0.0	0.0	0.0	0.0		F&I	_____	_____	_____	
	d. difference	0	0	0				PDO	_____	_____	_____	
	e. significance	1.91	1.91	1.91				Total	_____	_____	_____	
		NO	NO	NO								

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 0.0 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Irving Avenue		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Intersection does not exist in viaduct alternative.					
	Present AADT: 0		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 0			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Intersection does not exist in Viaduct Alternative.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 0.0 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Viaduct			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Irving Avenue		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Water St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Intersection does not exist in viaduct alternative.			
	Present AADT: 0	Future AADT: 0	Volume Correction Factor (VCF):	0.000

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 0	a. Existing Accident Rate:		
b. Accidents Reduced: 0	b. Future Accident Rate:			
c. Calculated RF (b/a): 0%	c. Difference (a-b):			
	d. Calculated RF (c/a), (%):			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Intersection does not exist in Viaduct Alternative.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	0	0	0	0	Injury			
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I			
	d. difference	0	0	0			PDO			
	e. significance	1.91	1.91	1.91			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 0.0 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800	= \$0.00

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 298 (Bear St)		State Highway No. 59-4		From or at Ref Mrkr. 298 3301 1008	
	At Intersection With (If Applicable) Southbound I-81 Off Ramp / Genant Dr		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.				
	Present AADT: 17680		Future AADT: 13744		Volume Correction Factor (VCF): 0.889

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 18 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	8	8	10	18	Injury	_____	_____	_____
	c. expected	0.0	4.7	4.7	13.2	17.9	F&I	_____	_____	_____
	d. difference	0	3.3	3.3			PDO	_____	_____	_____
	e. significance	1.91	3.647	3.647			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement			
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR 6.0 X VCF 0.889 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$174,893.76			

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Southbound I-81 Off Ramp / Genant Dr		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Spencer St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 11830		Future AADT: 5937		Volume Correction Factor (VCF): 0.751	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: -0.150					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 11 b. Accidents Reduced: -1.68 c. Calculated RF (b/a): -15%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION						
			FATAL	INJ.	F & I	PDO	TOTAL			TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity		0.17	26.23	26.40	73.60	100.0			Fatal	_____	_____	_____
	b. actual		0	8	8	10	18			Injury	_____	_____	_____
	c. expected		0.0	2.9	2.9	8.1	11.0			F&I	_____	_____	_____
	d. difference		0	5.1	5.1					PDO	_____	_____	_____
	e. significance		1.91	2.98	2.98					Total	_____	_____	_____
			NO	YES	YES								

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 3.7 X VCF 0.751 X (1 - -0.150 RF) X AVG. COST/ACC. \$32,800 = \$103,858.60					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Solar St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Hiawatha Blvd		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 36800		Future AADT: 31012		Volume Correction Factor (VCF): 0.921	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 33 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	1	10	11	22	33
	c. expected	0.1	8.7	8.8	24.3	33.1
	d. difference	0.9	1.3	2.2		
	e. significance	1.91	4.718	4.74		
	NO	NO	NO			

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 11.0 X VCF 0.921 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$332,426.22					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Spencer St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Hiawatha Blvd		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 44480		Future AADT: 36245		Volume Correction Factor (VCF): 0.907	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 17 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	4	4	13	17
	c. expected	0.0	4.5	4.5	12.5	17.0
	d. difference	0	0.5	0.5		
	e. significance	1.91	3.581	3.581		
	NO	NO	NO			

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 5.7 X VCF 0.907 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$168,661.05					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Eastbound I-690 Off-Ramp					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Hiawatha Blvd				To Ref Mrkr.	
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 25870 Future AADT: 22189 Volume Correction Factor (VCF): 0.929						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	11	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.26	26.48	26.74	73.26	100.0
b. actual	0	4	4	7	11
c. expected	0.0	2.9	2.9	8.1	11.0
d. difference	0	1.1	1.1		
e. significance	1.91	2.98	2.98		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal			
Injury			
F&I			
PDO			
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR	3.7 X VCF 0.929 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$122,268.39
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 298 (Bear St)		State Highway No. 59-4	From or at Ref Mrkr. 298 3301 1000
	At Intersection With (If Applicable) Spencer St / I-690 Ramps		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 16260	Future AADT: 11445	Volume Correction Factor (VCF): 0.852	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	6	a. Existing Accident Rate:	
b. Accidents Reduced:	0	b. Future Accident Rate:		
c. Calculated RF (b/a):	0%	c. Difference (a-b):		
		d. Calculated RF (c/a), (%):		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	2	2	4	6	Injury			
	c. expected	0.0	1.6	1.6	4.4	6.0	F&I			
	d. difference	0	0.4	0.4			PDO			
	e. significance	1.91	2.324	2.324			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.0 X VCF 0.852 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$55,887.08	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name N Geddes St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Westbound I-690 Off-Ramp		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 13820	Future AADT: 13960	Volume Correction Factor (VCF):	1.005

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	9	a. Existing Accident Rate:	
b. Accidents Reduced:	0	b. Future Accident Rate:		
c. Calculated RF (b/a):	0%	c. Difference (a-b):		
		d. Calculated RF (c/a), (%):		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	3	3	6	9	Injury			
	c. expected	0.0	2.4	2.4	6.6	9.0	F&I			
	d. difference	0	0.6	0.6			PDO			
	e. significance	1.91	2.754	2.754			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement							
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:							
	ACC/YR	3.0	X VCF	1.005	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)								See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Geddes St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Edison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 16270		Future AADT: 20444		Volume Correction Factor (VCF): 1.128	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 9			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	ACC. COST	
	a. % by severity	0.17	26.23	26.40	73.60	100.0		Fatal	_____	_____	_____	
	b. actual	0	1	1	8	9		Injury	_____	_____	_____	
	c. expected	0.0	2.4	2.4	6.6	9.0		F&I	_____	_____	_____	
	d. difference	0	1.4	1.4				PDO	_____	_____	_____	
	e. significance	1.91	2.754	2.754								
		NO	NO	NO				Total	_____	_____	_____	

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 3.0 X VCF 1.128 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$111,022.05					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Geddes St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 23750		Future AADT: 27755		Volume Correction Factor (VCF): 1.084	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 57			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	ACC. COST	
	a. % by severity	0.17	26.23	26.40	73.60	100.0		Fatal	_____	_____	_____	
	b. actual	0	15	15	42	57		Injury	_____	_____	_____	
	c. expected	0.1	15.0	15.1	42.0	57.1		F&I	_____	_____	_____	
	d. difference	0.1	0	0.1				PDO	_____	_____	_____	
	e. significance	1.91	6.067	6.087								
		NO	NO	NO				Total				

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 19.0 X VCF 1.084 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$675,745.60					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Geddes St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Wilkinson St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 11580		Future AADT: 15163		Volume Correction Factor (VCF): 1.155	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 11 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	10	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	1.9	1.9			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.7 X VCF 1.155 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$138,872.69					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: Viaduct																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name N Geddes St		State Highway No.		From or at Ref Mrkr.																																																																		
	At Intersection With (If Applicable) Erie Blvd W		Route No. or Street Name		To Ref Mrkr.																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.																																																																						
	Present AADT: 21700		Future AADT: 24153		Volume Correction Factor (VCF): 1.057																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 26		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.																																																																							
CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>3</td> <td>3</td> <td>23</td> <td>26</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>6.8</td> <td>6.8</td> <td>19.1</td> <td>25.9</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>3.8</td> <td>3.8</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>4.256</td> <td>4.256</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>							FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	3	3	23	26	c. expected	0.0	6.8	6.8	19.1	25.9	d. difference	0	3.8	3.8			e. significance	1.91	4.256	4.256				NO	NO	NO			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____
	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
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d. difference	0	3.8	3.8																																																																				
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F&I	_____	_____	_____																																																																				
PDO	_____	_____	_____																																																																				
Total	_____	_____	_____																																																																				
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 8.7 X VCF 1.057 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$300,333.63 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Geddes St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) W Fayette St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 28390		Future AADT: 27810		Volume Correction Factor (VCF): 0.990	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 58			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	ACC. COST	
	a. % by severity	0.17	26.23	26.40	73.60	100.0		Fatal	_____	_____	_____	
	b. actual	0	15	15	43	58		Injury	_____	_____	_____	
	c. expected	0.1	15.2	15.3	42.7	58.0		F&I	_____	_____	_____	
	d. difference	0.1	0.2	0.3				PDO	_____	_____	_____	
	e. significance	1.91	6.106	6.125								
		NO	NO	NO				Total				

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 19.3 X VCF 0.990 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$627,655.75					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Geddes St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Marcellus St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 20600		Future AADT: 20451		Volume Correction Factor (VCF): 0.996	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 27 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.26	26.48	26.74	73.26	100.0
	b. actual	0	7	7	19	26
	c. expected	0.1	7.1	7.2	19.8	27.0
	d. difference	0.1	0.1	0.2		
	e. significance	1.91	4.333	4.359		
	NO	NO	NO			

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 9.0 X VCF 0.996 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$321,931.51					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Geddes St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Otisco St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>					
	Present AADT: 20140		Future AADT: 19939		Volume Correction Factor (VCF): 0.995	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 14 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <i>Please refer to Attachment F for reduction factor derivation.</i>					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.26	26.48	26.74	73.26	100.0
	b. actual	0	6	6	8	14
	c. expected	0.0	3.7	3.7	10.3	14.0
	d. difference	0	2.3	2.3		
	e. significance	1.91	3.3	3.3		
	NO	NO	NO			

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 4.7 X VCF 0.995 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$166,697.33	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Geddes St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Gifford St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>					
	Present AADT: 21890		Future AADT: 21632		Volume Correction Factor (VCF): 0.994	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 22 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	<i>Please refer to Attachment F for reduction factor derivation.</i>					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.26	26.48	26.74	73.26	100.0
	b. actual	0	5	5	17	22
	c. expected	0.1	5.8	5.9	16.1	22.0
	d. difference	0.1	0.8	0.9		
	e. significance	1.91	3.982	4.011		
	NO	NO	NO			

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	<i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 7.3 X VCF 0.994 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$261,715.21	

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Geddes St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Seymour St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 24310		Future AADT: 23965		Volume Correction Factor (VCF): 0.993	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 25 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	19	25	Injury	_____	_____	_____
	c. expected	0.0	6.6	6.6	18.4	25.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	4.203	4.203			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 8.3 X VCF 0.993 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$271,393.80					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Viaduct			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	S Geddes St					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Grand Avenue / Shonnard St				To Ref Mrkr.	
PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>						
Present AADT: 17970 Future AADT: 22327 Volume Correction Factor (VCF): 1.121						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	10	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	
	<i>Please refer to Attachment F for reduction factor derivation.</i>	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	4	4	6	10	Injury			
	c. expected	0.0	2.6	2.6	7.4	10.0	F&I			
	d. difference	0	1.4	1.4			PDO			
	e. significance	1.91	2.847	2.847						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	<i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR	3.3 X VCF 1.121 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$122,587.79
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-7	From or at Ref Mrkr. 81/ 3303 2008
	At Intersection With (If Applicable) Segment 1		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2009

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 36570	Future AADT: 22350	Volume Correction Factor (VCF):	0.806

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.110			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	4	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0.42	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	11%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	3	4	Injury	_____	_____	_____
	c. expected	0.0	1.2	1.2	2.8	4.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	2.061	2.061						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:							
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement							
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:							
	ACC/YR	1.3	X VCF	0.806	X (1 - 0.110 RF)	X AVG. COST/ACC.	\$39,400	=
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)								See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-7	From or at Ref Mrkr. 81/ 3303 2010
	At Intersection With (If Applicable) Segment 2		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2015

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 30420	Future AADT: 18000	Volume Correction Factor (VCF):	0.796

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.180			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	38	a. Existing Accident Rate:	_____
b. Accidents Reduced:	6.85	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	18%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	31	38	Injury	_____	_____	_____
	c. expected	0.1	11.0	11.1	26.9	38.0	F&I	_____	_____	_____
	d. difference	0.1	4	4.1			PDO	_____	_____	_____
	e. significance	1.91	5.233	5.256			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 12.7 X VCF 0.796 X (1 - 0.180 RF) X AVG. COST/ACC. \$39,400 = \$325,692.68	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.	From or at Ref Mrkr.
	I-81		64-7	81/ 3303 2016
	At Intersection With (If Applicable)	Route No. or Street Name	State Highway No.	To Ref Mrkr.
	Segment 3			81/ 3303 2018

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 43450	Future AADT: 12950	Volume Correction Factor (VCF):	0.649

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: -0.040			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	9	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	-0.39	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	-4%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:			
	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	8	9	Injury	_____	_____	_____
	c. expected	0.0	2.6	2.6	6.4	9.0	F&I	_____	_____	_____
	d. difference	0	1.6	1.6			PDO	_____	_____	_____
	e. significance	1.91	2.847	2.847						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 3.0 X VCF 0.649 X (1 - -0.040 RF) X AVG. COST/ACC. \$39,400 = \$79,782.96	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-7	From or at Ref Mrkr. 81/ 3303 2019
	At Intersection With (If Applicable) Segment 4		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2026

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 46450	Future AADT: 16860	Volume Correction Factor (VCF): 0.681	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: -0.010			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 34	a. Existing Accident Rate: _____		
	b. Accidents Reduced: -0.28	b. Future Accident Rate: _____		
c. Calculated RF (b/a): -1%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	27	34	Injury	_____	_____	_____
	c. expected	0.1	9.9	10.0	24.0	34.0	F&I	_____	_____	_____
	d. difference	0.1	2.9	3			PDO	_____	_____	_____
	e. significance	1.91	4.979	5						
		NO	NO	NO			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 11.3 X VCF 0.681 X (1 - -0.010 RF) X AVG. COST/ACC. \$39,400 = \$307,349.04	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-7	From or at Ref Mrkr. 81I 3303 2027
	At Intersection With (If Applicable) Segment 5		Route No. or Street Name	State Highway No. To Ref Mrkr. 81I 3303 2029

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 66860	Future AADT: 22690	Volume Correction Factor (VCF):	0.670

REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.000				
	Method II (Engineering Analysis)			Method III (For General Upgrading)	
	a. Total Accidents:	30	a. Existing Accident Rate:		
	b. Accidents Reduced:	0	b. Future Accident Rate:		
	c. Calculated RF (b/a):	0%	c. Difference (a-b):		
			d. Calculated RF (c/a), (%):		

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	\$0	=	\$0
	b. actual	0	3	3	27	30	Injury	0	\$0	=	\$0
	c. expected	0.1	8.7	8.8	21.2	30.0	F&I	3	\$125,300	=	\$375,900
	d. difference	0.1	5.7	5.8			PDO	27	\$3,800	=	\$102,600
	e. significance	1.91	4.718	4.74			Total	30	\$15,950	=	\$478,500
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 10.0 X VCF 0.670 X (1 - 0.000 RF) X AVG. COST/ACC. \$15,950 = \$106,814.43	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-22	From or at Ref Mrkr. 81/ 3303 2030
	At Intersection With (If Applicable) Segment 6		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2032

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 71140	Future AADT: 24470	Volume Correction Factor (VCF):	0.672

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.060			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	11	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0.66	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	6%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	10	11	Injury	_____	_____	_____
	c. expected	0.0	3.2	3.2	7.8	11.0	F&I	_____	_____	_____
	d. difference	0	2.2	2.2			PDO	_____	_____	_____
	e. significance	1.91	3.106	3.106						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 3.7 X VCF 0.672 X (1 - 0.060 RF) X AVG. COST/ACC. \$39,400	= \$91,254.64
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	

See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-22	From or at Ref Mrkr. 81/ 3303 2033
	At Intersection With (If Applicable) Segment 7		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2035

PROJECT DATA	PROPOSED IMPROVEMENT: Eliminate freeway segment			
	Present AADT: 71140	Future AADT: 0	Volume Correction Factor (VCF): 0.000	

VCF is zero as segment does not exist in the Community Grid Alternative

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	18	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	12	18	Injury	_____	_____	_____
	c. expected	0.0	5.2	5.2	12.7	17.9	F&I	_____	_____	_____
	d. difference	0	0.8	0.8			PDO	_____	_____	_____
	e. significance	1.91	3.804	3.804						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>							
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:							
	ACC/YR	6.0	X VCF	0.000	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$39,400	=

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)

See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name I-81		State Highway No. 64-22	From or at Ref Mrkr. 81/ 3303 2036
	At Intersection With (If Applicable) Segment 8		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2042

PROJECT DATA	PROPOSED IMPROVEMENT: Eliminate freeway segment			
	Present AADT: 60380	Future AADT: 0	Volume Correction Factor (VCF): 0.000	

VCF is zero as segment does not exist in the Community Grid Alternative

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	161	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0		Fatal	0	X \$0	= \$0
	b. actual	0	36	36	125	161		Injury	0	X \$0	= \$0
	c. expected	0.4	46.8	47.2	113.8	161.0		F&I	36	X \$125,300	= \$4,510,800
	d. difference	0.4	10.8	11.2				PDO	125	X \$3,800	= \$475,000
	e. significance	1.91	10.44	10.48				Total	161	\$30,968	\$4,985,800
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 53.7 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$30,968 = \$0.00	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 65-28	From or at Ref Mrkr. 81/ 3303 2043
	At Intersection With (If Applicable) Segment 9		Route No. or Street Name	To Ref Mrkr. 81/ 3303 2048

PROJECT DATA	PROPOSED IMPROVEMENT: Eliminate freeway segment			
	Present AADT: 57840 Future AADT: 0 Volume Correction Factor (VCF): 0.000 <i>VCF is zero as segment does not exist in the Community Grid Alternative</i>			

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	103	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	\$0	=	\$0
	b. actual	0	19	19	84	103	Injury	0	\$0	=	\$0
	c. expected	0.3	29.9	30.2	72.8	103.0	F&I	19	\$125,300	=	\$2,380,700
	d. difference	0.3	10.9	11.2			PDO	84	\$3,800	=	\$319,200
	e. significance	1.91	8.431	8.472			Total	103	\$26,213	=	\$2,699,900
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 34.3 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$26,213 = \$0.00	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81	State Highway No. 65-28	From or at Ref Mrkr. 81/ 3303 2049
	At Intersection With (If Applicable) Segment 10	Route No. or Street Name	To Ref Mrkr. 81/ 3303 2053

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F		
	Present AADT: 70980	Future AADT: 49650	Volume Correction Factor (VCF): 0.850

REDUCTION CALCULATION	Method I (From Reduction Factor Table)	
	Average Reduction Factor: 0.280	
	Method II (Engineering Analysis)	Method III (For General Upgrading)
	a. Total Accidents: 192	a. Existing Accident Rate: _____
	b. Accidents Reduced: 53.07	b. Future Accident Rate: _____
c. Calculated RF (b/a): 28%	c. Difference (a-b): _____	
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	1	45	46	146	192	Injury	_____	_____	_____
	c. expected	0.5	55.8	56.3	135.7	192.0	F&I	_____	_____	_____
	d. difference	0.5	10.8	10.3			PDO	_____	_____	_____
	e. significance	1.91	11.35	11.4						
		NO	NO	NO			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 64.0 X VCF 0.850 X (1 - 0.280 RF) X AVG. COST/ACC. \$39,400 = \$1,542,758.79	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 65-28	From or at Ref Mrkr. 81/ 3303 2054
	At Intersection With (If Applicable) Segment 11		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2059

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 89620	Future AADT: 67820	Volume Correction Factor (VCF):	0.878

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.310			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	123	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	37.99	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	31%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	\$0	=	\$0
	b. actual	1	23	24	99	123	Injury	0	\$0	=	\$0
	c. expected	0.3	35.7	36.0	87.0	123.0	F&I	36	\$125,300	=	\$4,510,800
	d. difference	0.7	12.7	12			PDO	125	\$3,800	=	\$475,000
	e. significance	1.91	9.175	9.212			Total	161	\$30,968	=	\$4,985,800
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 41.0 X VCF 0.878 X (1 - 0.310 RF) X AVG. COST/ACC. \$30,968 = \$769,531.23	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 65-28, 56-11	From or at Ref Mrkr. 81/ 3303 2060
	At Intersection With (If Applicable) Segment 12		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 2161

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 88760	Future AADT: 61480	Volume Correction Factor (VCF): 0.846	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.390				
	Method II (Engineering Analysis)			Method III (For General Upgrading)	
	a. Total Accidents:	30		a. Existing Accident Rate:	
b. Accidents Reduced:	11.7		b. Future Accident Rate:		
c. Calculated RF (b/a):	39%		c. Difference (a-b):		
d. Calculated RF (c/a), (%):			d. Calculated RF (c/a), (%):		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal			
	b. actual	2	4	6	24	30	Injury			
	c. expected	0.1	8.7	8.8	21.2	30.0	F&I			
	d. difference	1.9	4.7	2.8			PDO			
	e. significance	1.91	4.718	4.74						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 10.0 X VCF 0.846 X (1 - 0.390 RF) X AVG. COST/ACC. \$39,400	= \$203,406.27

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 56-11, 54-3	From or at Ref Mrkr. 81/ 3303 2162
	At Intersection With (If Applicable) Segment 13		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3004

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 69440	Future AADT: 61020	Volume Correction Factor (VCF):	0.939

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.240			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	83	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	19.92	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	24%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.26	29.04	29.30	70.70	100.0
b. actual	0	22	22	61	83
c. expected	0.2	24.1	24.3	58.7	83.0
d. difference	0.2	2.1	2.3		
e. significance	1.91	7.607	7.637		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 27.7 X VCF 0.939 X (1 - 0.240 RF) X AVG. COST/ACC. \$39,400	= \$778,223.46

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81	State Highway No. 54-3	From or at Ref Mrkr. 81/ 3303 3005
	At Intersection With (If Applicable) Segment 14	Route No. or Street Name	To Ref Mrkr. 81/ 3303 3009

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F		
	Present AADT: 79430	Future AADT: 69760	Volume Correction Factor (VCF): 0.939

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 43	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	14	14	29	43	Injury	_____	_____	_____
	c. expected	0.1	12.5	12.6	30.4	43.0	F&I	_____	_____	_____
	d. difference	0.1	1.5	1.4			PDO	_____	_____	_____
	e. significance	1.91	5.562	5.583			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 14.3 X VCF 0.939 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$530,357.33	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 54-3, 57-6	From or at Ref Mrkr. 81/ 3303 3010
	At Intersection With (If Applicable) Segment 15		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3015

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 74360	Future AADT: 66380	Volume Correction Factor (VCF):	0.946

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	83	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	17	17	66	83	Injury	_____	_____	_____
	c. expected	0.2	24.1	24.3	58.7	83.0	F&I	_____	_____	_____
	d. difference	0.2	7.1	7.3			PDO	_____	_____	_____
	e. significance	1.91	7.607	7.637						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 27.7 X VCF 0.946 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$1,031,576.00	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 57-8	From or at Ref Mrkr. 81/ 3303 3016
	At Intersection With (If Applicable) Segment 16		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3022

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 84070	Future AADT: 74880	Volume Correction Factor (VCF):	0.945

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	51	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.26	29.04	29.30	70.70	100.0
b. actual	0	10	10	38	48
c. expected	0.1	14.8	14.9	36.1	51.0
d. difference	0.1	4.8	4.9		
e. significance	1.91	6.029	6.048		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 17.0 X VCF 0.945 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$633,190.85	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 57-6	From or at Ref Mrkr. 81/ 3303 3023
	At Intersection With (If Applicable) Segment 17		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3045

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 57090	Future AADT: 53110	Volume Correction Factor (VCF):	0.965

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	111	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	29	29	82	111	Injury	_____	_____	_____
	c. expected	0.3	32.2	32.5	78.5	111.0	F&I	_____	_____	_____
	d. difference	0.3	3.2	3.5			PDO	_____	_____	_____
	e. significance	1.91	8.735	8.773			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 37.0 X VCF 0.965 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400	= \$1,406,985.11

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 57-6	From or at Ref Mrkr. 81/ 3303 3046
	At Intersection With (If Applicable) Segment 18		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3051

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 66970	Future AADT: 64870	Volume Correction Factor (VCF):	0.984

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	43	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
		d. Calculated RF (c/a), (%):	_____	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.26	29.04	29.30	70.70	100.0
b. actual	0	8	8	35	43
c. expected	0.1	12.5	12.6	30.4	43.0
d. difference	0.1	4.5	4.6		
e. significance	1.91	5.562	5.583		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 14.3 X VCF 0.984 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400	= \$555,879.07

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-81		State Highway No. 57-6	From or at Ref Mrkr. 81/ 3303 3052
	At Intersection With (If Applicable) Segment 19		Route No. or Street Name	State Highway No. To Ref Mrkr. 81/ 3303 3062

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 51500	Future AADT: 48170	Volume Correction Factor (VCF):	0.968

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: -0.010			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	70	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	-1	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	-1%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	18	18	52	70	Injury	_____	_____	_____
	c. expected	0.2	20.3	20.5	49.5	70.0	F&I	_____	_____	_____
	d. difference	0.2	2.3	2.5			PDO	_____	_____	_____
	e. significance	1.91	7.009	7.042						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 23.3 X VCF 0.968 X (1 - -0.010 RF) X AVG. COST/ACC. \$39,400 = \$898,507.31	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Segment 0		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Provide new four-lane freeway connection of existing I-81 to I-481 in the southern interchange (continuation of I-81 in the CG Alternative)			
	Present AADT: NONE	Future AADT: 16533	Volume Correction Factor (VCF): N/A	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 11	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		
	<i>See Attachment E for derivation of Total Accidents</i>			
	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity						Fatal	_____	_____	_____
	b. actual						Injury	_____	_____	_____
	c. expected						F&I	_____	_____	_____
	d. difference						PDO	_____	_____	_____
	e. significance						Total	_____	_____	_____
	<i>A significance check is not required for this segment as it is a new facility and average crash rates are being used to develop an estimated crash total.</i>									

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.7 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$144,466.67	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: Community Grid																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2		From or at Ref Mrkr. 481/ 3301 1000																																									
	At Intersection With (If Applicable) Segment 1		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 1005																																									
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F																																													
	Present AADT: 22310		Future AADT: 20520		Volume Correction Factor (VCF): 0.960																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.140																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents:	7	a. Existing Accident Rate:																																											
b. Accidents Reduced:	1	b. Future Accident Rate:																																												
c. Calculated RF (b/a):	14%	c. Difference (a-b):																																												
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):																																												
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors																																													
SAFETY BENEFITS	CHECK OF SEVERITY DISTRIBUTION																																													
	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.26</td> <td>29.04</td> <td>29.30</td> <td>70.70</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>2</td> <td>2</td> <td>5</td> <td>7</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>2.0</td> <td>2.0</td> <td>4.9</td> <td>6.9</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>2.552</td> <td>2.552</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table>						FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.26	29.04	29.30	70.70	100.0	b. actual	0	2	2	5	7	c. expected	0.0	2.0	2.0	4.9	6.9	d. difference	0	0	0			e. significance	1.91	2.552	2.552				NO	NO	NO	
	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
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B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.3 X VCF 0.960 X (1 - 0.140 RF) X AVG. COST/ACC. \$39,400 = \$75,890.95																																														
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)																																														
See Attachment I																																														

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2, 16-2	From or at Ref Mrkr. 481/ 3301 2000
	At Intersection With (If Applicable) Segment 2		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2005

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 26210	Future AADT: 29190	Volume Correction Factor (VCF): 1.057	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.080			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 13	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0.99	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 8%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	9	13	Injury	_____	_____	_____
	c. expected	0.0	3.8	3.8	9.2	13.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	3.337	3.337						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 4.3 X VCF 1.057 X (1 - 0.080 RF) X AVG. COST/ACC. \$39,400 = \$166,004.13	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2	From or at Ref Mrkr. 481/ 3301 2006
	At Intersection With (If Applicable) Segment 3		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2023

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 29640	Future AADT: 37430	Volume Correction Factor (VCF): 1.131	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 29	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	23	29	Injury	_____	_____	_____
	c. expected	0.1	8.4	8.5	20.5	29.0	F&I	_____	_____	_____
	d. difference	0.1	2.4	2.5			PDO	_____	_____	_____
	e. significance	1.91	4.649	4.672			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 9.7 X VCF 1.131 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$430,916.45	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2	From or at Ref Mrkr. 481/ 3301 2024
	At Intersection With (If Applicable) Segment 4		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2031

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 25130	Future AADT: 38020	Volume Correction Factor (VCF): 1.256	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 18	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	X \$0	=	\$0
	b. actual	0	0	0	18	18	Injury	0	X \$0	=	\$0
	c. expected	0.0	5.2	5.2	12.7	17.9	F&I	0	X \$125,300	=	\$0
	d. difference	0	5.2	5.2			PDO	18	X \$3,800	=	\$68,400
	e. significance	1.91	3.804	3.804			Total	18	\$3,800		\$68,400
	NO	YES	YES								

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 6.0 X VCF 1.256 X (1 - 0.000 RF) X AVG. COST/ACC. \$3,800 = \$28,647.43	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: Community Grid																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2		From or at Ref Mrkr. 481/ 3301 2032																																									
	At Intersection With (If Applicable) Segment 5		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2042																																									
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F																																													
	Present AADT: 33420		Future AADT: 50670		Volume Correction Factor (VCF): 1.258																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.000																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents:	24	a. Existing Accident Rate:																																											
b. Accidents Reduced:	0	b. Future Accident Rate:																																												
c. Calculated RF (b/a):	0%	c. Difference (a-b):																																												
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):																																												
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors																																													
SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION																																													
	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.26</td> <td>29.04</td> <td>29.30</td> <td>70.70</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>7</td> <td>7</td> <td>17</td> <td>24</td> </tr> <tr> <td>c. expected</td> <td>0.1</td> <td>7.0</td> <td>7.1</td> <td>17.0</td> <td>24.1</td> </tr> <tr> <td>d. difference</td> <td>0.1</td> <td>0</td> <td>0.1</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>4.308</td> <td>4.333</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table>						FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.26	29.04	29.30	70.70	100.0	b. actual	0	7	7	17	24	c. expected	0.1	7.0	7.1	17.0	24.1	d. difference	0.1	0	0.1			e. significance	1.91	4.308	4.333				NO	NO	NO	
	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
b. actual	0	7	7	17	24																																									
c. expected	0.1	7.0	7.1	17.0	24.1																																									
d. difference	0.1	0	0.1																																											
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BEFORE COST/ACCIDENT CALCULATION																																														
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TYPE	# ACC	COST/ACC	ACC. COST																																											
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Total																																														
SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement																																													
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 8.0 X VCF 1.258 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$396,546.50																																													
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				See Attachment I																																									

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 76-2, 61-17	From or at Ref Mrkr. 481/ 3301 2043
	At Intersection With (If Applicable) Segment 6		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2049

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 41180	Future AADT: 62540	Volume Correction Factor (VCF): 1.259	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 85	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	21	21	64	85	Injury	_____	_____	_____
	c. expected	0.2	24.7	24.9	60.1	85.0	F&I	_____	_____	_____
	d. difference	0.2	3.7	3.9			PDO	_____	_____	_____
	e. significance	1.91	7.697	7.727						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 28.3 X VCF 1.259 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$1,405,853.49	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 61-17	From or at Ref Mrkr. 481/ 3301 2050
	At Intersection With (If Applicable) Segment 7		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2057

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 58740	Future AADT: 79240	Volume Correction Factor (VCF):	1.174

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	14	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	5	5	9	14	Injury	_____	_____	_____
	c. expected	0.0	4.1	4.1	9.9	14.0	F&I	_____	_____	_____
	d. difference	0	0.9	0.9			PDO	_____	_____	_____
	e. significance	1.91	3.445	3.445						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 4.7 X VCF 1.174 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$215,950.99	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: Community Grid																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 61-17, 68-5		From or at Ref Mrkr. 481/ 3301 2058																																									
	At Intersection With (If Applicable) Segment 8		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2067																																									
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F																																													
	Present AADT: 37700		Future AADT: 49270		Volume Correction Factor (VCF): 1.153																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.010																																													
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																											
	a. Total Accidents:	40	a. Existing Accident Rate:																																											
b. Accidents Reduced:	0.39	b. Future Accident Rate:																																												
c. Calculated RF (b/a):	1%	c. Difference (a-b):																																												
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):																																												
REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors																																													
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
b. actual	0	7	7	33	40																																									
c. expected	0.1	11.6	11.7	28.3	40.0																																									
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SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement																																													
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 13.3 X VCF 1.153 X (1 - 0.010 RF) X AVG. COST/ACC. \$39,400 = \$599,885.38																																													
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																													

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2068
	At Intersection With (If Applicable) Segment 9		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2074

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 51350	Future AADT: 61700	Volume Correction Factor (VCF): 1.101	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.290			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 16	a. Existing Accident Rate: _____		
b. Accidents Reduced: 4.65	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 29%	c. Difference (a-b): _____			
	d. Calculated RF (c/a), (%): _____			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.26	29.04	29.30	70.70	100.0
b. actual	0	3	3	13	16
c. expected	0.0	4.6	4.6	11.3	15.9
d. difference	0	1.6	1.6		
e. significance	1.91	3.614	3.614		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 5.3 X VCF 1.101 X (1 - 0.290 RF) X AVG. COST/ACC. \$39,400	= \$164,230.35
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	

See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2075
	At Intersection With (If Applicable) Segment 10		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2082

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 43770	Future AADT: 55190	Volume Correction Factor (VCF): 1.130	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.090			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 52	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 4.87	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 9%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
a. % by severity	0.26	29.04	29.30	70.70	100.0					
b. actual	0	13	13	39	52	Fatal	_____	_____	_____	
c. expected	0.1	15.1	15.2	36.8	52.0	Injury	_____	_____	_____	
d. difference	0.1	2.1	2.2			F&I	_____	_____	_____	
e. significance	1.91	6.087	6.106			PDO	_____	_____	_____	
	NO	NO	NO			Total				

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 17.3 X VCF 1.130 X (1 - 0.090 RF) X AVG. COST/ACC. \$39,400 = \$702,542.90	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																												
		EVALUATION OF ALTERNATE NO.: Community Grid																																												
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																									
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7		From or at Ref Mrkr. 481/ 3301 2083																																									
	At Intersection With (If Applicable) Segment 11		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2089																																									
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F																																													
	Present AADT: 42500		Future AADT: 53810		Volume Correction Factor (VCF): 1.133																																									
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																													
	Average Reduction Factor: 0.060																																													
	Method II (Engineering Analysis)																																													
	a. Total Accidents: 14		Method III (For General Upgrading)																																											
	b. Accidents Reduced: 0.78		a. Existing Accident Rate: _____																																											
c. Calculated RF (b/a): 6%		b. Future Accident Rate: _____																																												
		c. Difference (a-b): _____																																												
		d. Calculated RF (c/a), (%): _____																																												
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	FATAL	INJ.	F & I	PDO	TOTAL																																									
a. % by severity	0.26	29.04	29.30	70.70	100.0																																									
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	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 4.7 X VCF 1.133 X (1 - 0.060 RF) X AVG. COST/ACC. \$39,400 = \$195,831.84																																													
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PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																								
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		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																					
LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7		From or at Ref Mrkr. 481/ 3301 2090																																																																					
	At Intersection With (If Applicable) Segment 12		Route No. or Street Name		State Highway No. To Ref Mrkr. 481/ 3301 2094																																																																					
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F																																																																									
	Present AADT: 32110		Future AADT: 40600		Volume Correction Factor (VCF): 1.132																																																																					
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																																																									
	Average Reduction Factor: 0.040																																																																									
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																							
	a. Total Accidents:	10	a. Existing Accident Rate:																																																																							
b. Accidents Reduced:	0.39	b. Future Accident Rate:																																																																								
c. Calculated RF (b/a):	4%	c. Difference (a-b):																																																																								
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	FATAL	INJ.	F & I	PDO	TOTAL																																																																					
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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																								
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LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7		From or at Ref Mrkr. 481/ 3301 2095																																																																					
	At Intersection With (If Applicable) Segment 13		Route No. or Street Name		To Ref Mrkr. 481/ 3301 2098																																																																					
PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F																																																																									
	Present AADT: 34060		Future AADT: 39740		Volume Correction Factor (VCF): 1.083																																																																					
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																																																									
	Average Reduction Factor: 0.000																																																																									
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																							
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	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.3 X VCF 1.083 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$142,284.20																																																																									
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				See Attachment I																																																																					

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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2099
	At Intersection With (If Applicable) Segment 14		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2101

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 26070	Future AADT: 34040	Volume Correction Factor (VCF): 1.153	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 6	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	3	6	Injury	_____	_____	_____
	c. expected	0.0	1.7	1.7	4.2	5.9	F&I	_____	_____	_____
	d. difference	0	1.3	1.3			PDO	_____	_____	_____
	e. significance	1.91	2.384	2.384						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 2.0 X VCF 1.153 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$90,845.19	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2102
	At Intersection With (If Applicable) Segment 15		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2126

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 32140	Future AADT: 39940	Volume Correction Factor (VCF): 1.121	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 28	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
a. % by severity	0.26	29.04	29.30	70.70	100.0					
b. actual	0	8	8	20	28	Fatal	_____	_____	_____	
c. expected	0.1	8.1	8.2	19.8	28.0	Injury	_____	_____	_____	
d. difference	0.1	0.1	0.2			F&I	_____	_____	_____	
e. significance	1.91	4.579	4.602			PDO	_____	_____	_____	
	NO	NO	NO			Total				

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 9.3 X VCF 1.121 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$412,355.61	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2127
	At Intersection With (If Applicable) Segment 16		Route No. or Street Name	To Ref Mrkr. 481/ 3301 2133

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 27920	Future AADT: 35410	Volume Correction Factor (VCF): 1.134	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 19	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	5	5	14	19	Injury	_____	_____	_____
	c. expected	0.0	5.5	5.5	13.4	18.9	F&I	_____	_____	_____
	d. difference	0	0.5	0.5			PDO	_____	_____	_____
	e. significance	1.91	3.895	3.895			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 6.3 X VCF 1.134 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$283,004.05	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

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STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7	From or at Ref Mrkr. 481/ 3301 2134
	At Intersection With (If Applicable) Segment 17		Route No. or Street Name	State Highway No. To Ref Mrkr. 481/ 3301 2137

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 38680	Future AADT: 45360	Volume Correction Factor (VCF): 1.086	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.200			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 6	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 1.17	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 20%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	6	6	Injury	_____	_____	_____
	c. expected	0.0	1.7	1.7	4.2	5.9	F&I	_____	_____	_____
	d. difference	0	1.7	1.7			PDO	_____	_____	_____
	e. significance	1.91	2.384	2.384						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 2.0 X VCF 1.086 X (1 - 0.200 RF) X AVG. COST/ACC. \$39,400	= \$68,483.47
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No. 70-7, 83-6, 69-5	From or at Ref Mrkr. 418/ 3301 2138
	At Intersection With (If Applicable) Segment 18		Route No. or Street Name	State Highway No. To Ref Mrkr. 481 3301 1004

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 38020	Future AADT: 35290	Volume Correction Factor (VCF): 0.964	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.030			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 36	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 1.11	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 3%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	29	36	Injury	_____	_____	_____
	c. expected	0.1	10.5	10.6	25.5	36.1	F&I	_____	_____	_____
	d. difference	0.1	3.5	3.6			PDO	_____	_____	_____
	e. significance	1.91	5.118	5.141			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 12.0 X VCF 0.964 X (1 - 0.030 RF) X AVG. COST/ACC. \$39,400 = \$442,150.70	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-481 (Veterans Memorial Highway)		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Segment 19		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Provide new four-lane freeway connection of existing I-81 to I-481 in the northern interchange (continuation of I-81 in the CG Alternative)					
	Present AADT: NONE		Future AADT: 20523		Volume Correction Factor (VCF): N/A	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 13		a. Existing Accident Rate: _____			
	b. Accidents Reduced: 0		b. Future Accident Rate: _____			
	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			
	See Attachment E for derivation of Total Accidents					
	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity						Fatal	_____	_____	_____		
	b. actual						Injury	_____	_____	_____		
	c. expected						F&I	_____	_____	_____		
	d. difference						PDO	_____	_____	_____		
	e. significance											
							Total					
	A significance check is not required for this segment as it is a new facility and average crash rates are being used to develop an estimated crash total.											

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement											
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:											
	ACC/YR 4.3 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$170,733.33											
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)										See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2005
	At Intersection With (If Applicable) Segment 1		Route No. or Street Name	To Ref Mrkr. 690I 3301 2010

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 64650	Future AADT: 64700	Volume Correction Factor (VCF):	1.000

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	47	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	\$0	=	\$0
	b. actual	0	6	6	41	47	Injury	0	\$0	=	\$0
	c. expected	0.1	13.6	13.7	33.2	46.9	F&I	6	\$125,300	=	\$751,800
	d. difference	0.1	7.6	7.7			PDO	41	\$3,800	=	\$155,800
	e. significance	1.91	5.79	5.811			Total	47	\$19,311	=	\$907,600
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 15.7 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$19,311 = \$302,655.99	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2011
	At Intersection With (If Applicable) Segment 2		Route No. or Street Name	To Ref Mrkr. 690I 3301 2015

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 57540	Future AADT: 56820	Volume Correction Factor (VCF): 0.994	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.000				
	Method II (Engineering Analysis)			Method III (For General Upgrading)	
	a. Total Accidents:	35		a. Existing Accident Rate:	
b. Accidents Reduced:	0		b. Future Accident Rate:		
c. Calculated RF (b/a):	0%		c. Difference (a-b):		
d. Calculated RF (c/a), (%):			d. Calculated RF (c/a), (%):		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal			
	b. actual	0	10	10	25	35	Injury			
	c. expected	0.1	10.2	10.3	24.7	35.0	F&I			
	d. difference	0.1	0.2	0.3			PDO			
	e. significance	1.91	5.048	5.071						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 11.7 X VCF 0.994 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400	= \$456,790.75

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2016
	At Intersection With (If Applicable) Segment 3		Route No. or Street Name	To Ref Mrkr. 690I 3301 2017

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 61040	Future AADT: 61890	Volume Correction Factor (VCF):	1.007

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	18	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.26	29.04	29.30	70.70	100.0
b. actual	0	7	7	11	18
c. expected	0.0	5.2	5.2	12.7	17.9
d. difference	0	1.8	1.8		
e. significance	1.91	3.804	3.804		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 6.0 X VCF 1.007 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400	= \$238,045.97

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2018
	At Intersection With (If Applicable) Segment 4		Route No. or Street Name	State Highway No. To Ref Mrkr. 690I 3301 2024

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 56030	Future AADT: 54210	Volume Correction Factor (VCF):	0.984

REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.550				
	Method II (Engineering Analysis)			Method III (For General Upgrading)	
	a. Total Accidents:	94	a. Existing Accident Rate:		
b. Accidents Reduced:	52.14	b. Future Accident Rate:			
c. Calculated RF (b/a):	55%	c. Difference (a-b):			
d. Calculated RF (c/a), (%):					

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal			
	b. actual	0	21	21	73	94	Injury			
	c. expected	0.2	27.3	27.5	66.5	94.0	F&I			
	d. difference	0.2	6.3	6.5			PDO			
	e. significance	1.91	8.073	8.101			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR	31.3	X VCF	0.984	X (1 - 0.550 RF)	X AVG. COST/ACC. \$39,400 = \$546,517.31
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					

See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2025
	At Intersection With (If Applicable) Segment 5		Route No. or Street Name	To Ref Mrkr. 690I 3301 2032

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 58750	Future AADT: 66090	Volume Correction Factor (VCF):	1.062

REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.600				
	Method II (Engineering Analysis)			Method III (For General Upgrading)	
	a. Total Accidents:	122	a. Existing Accident Rate:		
b. Accidents Reduced:	73.39	b. Future Accident Rate:			
c. Calculated RF (b/a):	60%	c. Difference (a-b):			
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal			
	b. actual	0	27	27	95	122	Injury			
	c. expected	0.3	35.4	35.7	86.3	122.0	F&I			
	d. difference	0.3	8.4	8.7			PDO			
	e. significance	1.91	9.138	9.175			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 40.7 X VCF 1.062 X (1 - 0.600 RF) X AVG. COST/ACC. \$39,400	= \$680,942.88

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2033
	At Intersection With (If Applicable) Segment 6		Route No. or Street Name	State Highway No. To Ref Mrkr. 690I 3301 2037

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 74110	Future AADT: 65330	Volume Correction Factor (VCF):	0.941

REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.110				
	Method II (Engineering Analysis)			Method III (For General Upgrading)	
	a. Total Accidents:	65	a. Existing Accident Rate:		
	b. Accidents Reduced:	6.9	b. Future Accident Rate:		
c. Calculated RF (b/a):	11%	c. Difference (a-b):			
d. Calculated RF (c/a), (%):					

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal			
	b. actual	0	21	21	44	65	Injury			
	c. expected	0.2	18.9	19.1	46.0	65.1	F&I			
	d. difference	0.2	2.1	1.9			PDO			
	e. significance	1.91	6.774	6.809						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 21.7 X VCF 0.941 X (1 - 0.110 RF) X AVG. COST/ACC. \$39,400 = \$714,757.79	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2038
	At Intersection With (If Applicable) Segment 7		Route No. or Street Name	To Ref Mrkr. 690I 3301 2042

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 65100	Future AADT: 61750	Volume Correction Factor (VCF): 0.974	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)				
	Average Reduction Factor: 0.000				
	Method II (Engineering Analysis)			Method III (For General Upgrading)	
	a. Total Accidents:	80	a. Existing Accident Rate:		
b. Accidents Reduced:	-0.06	b. Future Accident Rate:			
c. Calculated RF (b/a):	0%	c. Difference (a-b):			
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):			

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	\$0	=	\$0
	b. actual	0	15	15	65	80	Injury	0	\$0	=	\$0
	c. expected	0.2	23.2	23.4	56.6	80.0	F&I	15	\$125,300	=	\$1,879,500
	d. difference	0.2	8.2	8.4			PDO	65	\$3,800	=	\$247,000
	e. significance	1.91	7.47	7.501			Total	80	\$26,581	=	\$2,126,500
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 26.7 X VCF 0.974 X (1 - 0.000 RF) X AVG. COST/ACC. \$26,581 = \$690,588.81	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2042
	At Intersection With (If Applicable) Segment 8		Route No. or Street Name	To Ref Mrkr. 690I 3301 2046

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 67480	Future AADT: 64960	Volume Correction Factor (VCF): 0.981	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 25	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	19	25	Injury	_____	_____	_____
	c. expected	0.1	7.3	7.4	17.7	25.1	F&I	_____	_____	_____
	d. difference	0.1	1.3	1.4			PDO	_____	_____	_____
	e. significance	1.91	4.384	4.409						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 8.3 X VCF 0.981 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$322,202.63	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2047
	At Intersection With (If Applicable) Segment 9		Route No. or Street Name	State Highway No. To Ref Mrkr. 690I 3301 2052

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 62880	Future AADT: 62820	Volume Correction Factor (VCF):	1.000

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	56	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	14	14	41	55	Injury	_____	_____	_____
	c. expected	0.1	16.3	16.4	39.6	56.0	F&I	_____	_____	_____
	d. difference	0.1	2.3	2.4			PDO	_____	_____	_____
	e. significance	1.91	6.313	6.331						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 18.7 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$735,115.78	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2053
	At Intersection With (If Applicable) Segment 10		Route No. or Street Name	To Ref Mrkr. 690I 3301 2056

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 63320	Future AADT: 64030	Volume Correction Factor (VCF):	1.006

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	30	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	\$0	=	\$0
	b. actual	0	4	4	26	30	Injury	0	\$0	=	\$0
	c. expected	0.1	8.7	8.8	21.2	30.0	F&I	4	\$125,300	=	\$501,200
	d. difference	0.1	4.7	4.8			PDO	26	\$3,800	=	\$98,800
	e. significance	1.91	4.718	4.74			Total	30	\$20,000	=	\$600,000
		NO	NO	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 10.0 X VCF 1.006 X (1 - 0.000 RF) X AVG. COST/ACC. \$20,000 = \$201,121.29	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 2057
	At Intersection With (If Applicable) Segment 11		Route No. or Street Name	To Ref Mrkr. 690I 3301 3008

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 48710	Future AADT: 50620	Volume Correction Factor (VCF):	1.020

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	115	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	_____	_____	_____
	b. actual	0	25	25	90	115	Injury	_____	_____	_____
	c. expected	0.3	33.4	33.7	81.3	115.0	F&I	_____	_____	_____
	d. difference	0.3	8.4	8.7			PDO	_____	_____	_____
	e. significance	1.91	8.888	8.926						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 38.3 X VCF 1.020 X (1 - 0.000 RF) X AVG. COST/ACC. \$39,400 = \$1,539,944.67	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name I-690		State Highway No.	From or at Ref Mrkr. 690I 3301 3009
	At Intersection With (If Applicable) Segment 12		Route No. or Street Name	To Ref Mrkr. 690I 3301 3019

PROJECT DATA	PROPOSED IMPROVEMENT: Refer to Attachment F			
	Present AADT: 44930	Future AADT: 49280	Volume Correction Factor (VCF): 1.048	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 35	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: See Attachment F for detailed calculations of reduction factors			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	=	ACC. COST
	a. % by severity	0.26	29.04	29.30	70.70	100.0	Fatal	0	\$0	=	\$0
	b. actual	0	4	4	31	35	Injury	0	\$0	=	\$0
	c. expected	0.1	10.2	10.3	24.7	35.0	F&I	4	\$125,300	=	\$501,200
	d. difference	0.1	6.2	6.3			PDO	31	\$3,800	=	\$117,800
	e. significance	1.91	5.048	5.071			Total	35	\$17,686	=	\$619,000
		NO	YES	YES							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 11.7 X VCF 1.048 X (1 - 0.000 RF) X AVG. COST/ACC. \$17,686 = \$216,325.14	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	NY 5 (W Genesee St)		CTYST			
	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.	
	N West St					

PROJECT DATA	PROPOSED IMPROVEMENT:					
	Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 14520		Future AADT: 62210		Volume Correction Factor (VCF): 1.000	
	No VCF is applied as crashes at this intersection are estimated for the Community Grid Alternative.					

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)					
	Method III (For General Upgrading)					
	a. Total Accidents:		17			
	b. Accidents Reduced:		0			
	c. Calculated RF (b/a):		0%			
See Attachment E for derivation of crash total estimation.						
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:						
No reduction factor is applied as total crashes are estimated for the Community Grid alternative. See Attachment E for derivation.						

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity						Fatal					
	b. actual						Injury					
	c. expected						F&I					
	d. difference						PDO					
	e. significance											
							Total					
	A significance check is not needed as the total crashes at the intersection are estimated from statewide average rates.											

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:										
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement										
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:										
	ACC/YR	5.7	X VCF	1.000	X (1 -	0.000	RF)	X AVG. COST/ACC.	\$32,800	=	\$185,866.67
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)											See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Wallace St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 14450		Future AADT: 15500		Volume Correction Factor (VCF): 1.036	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 10 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	9	10	Injury	_____	_____	_____
	c. expected	0.0	2.6	2.6	7.4	10.0	F&I	_____	_____	_____
	d. difference	0	1.6	1.6			PDO	_____	_____	_____
	e. significance	1.91	2.847	2.847			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 3.3 X VCF 1.036 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$113,305.65					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Franklin St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Herald Pl		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 17570		Future AADT: 6700		Volume Correction Factor (VCF): 0.691	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: -0.490					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 14 b. Accidents Reduced: -9.26 c. Calculated RF (b/a): -49%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	ACC. COST	
	a. % by severity	0.17	26.23	26.40	73.60	100.0		Fatal	_____	_____	_____	
	b. actual	0	2	2	12	14		Injury	_____	_____	_____	
	c. expected	0.0	3.7	3.7	10.3	14.0		F&I	_____	_____	_____	
	d. difference	0	1.7	1.7				PDO	_____	_____	_____	
	e. significance	1.91	3.3	3.3				Total	_____	_____	_____	
	NO	NO	NO									

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 4.7 X VCF 0.691 X (1 - -0.490 RF) X AVG. COST/ACC. \$32,800 = \$157,519.71					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Franklin St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 13580		Future AADT: 10420		Volume Correction Factor (VCF): 0.884	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: -0.080					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 32			a. Existing Accident Rate: _____		
	b. Accidents Reduced: -1.07			b. Future Accident Rate: _____		
c. Calculated RF (b/a): -8%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	25	32	Injury	_____	_____	_____
	c. expected	0.1	8.4	8.5	23.6	32.1	F&I	_____	_____	_____
	d. difference	0.1	1.4	1.5			PDO	_____	_____	_____
	e. significance	1.91	4.649	4.672						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 10.7 X VCF 0.884 X (1 - -0.080 RF) X AVG. COST/ACC. \$32,800 = \$333,893.37					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Franklin St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 20790		Future AADT: 23490		Volume Correction Factor (VCF): 1.065	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 32			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	7	7	25	32	Injury	_____	_____	_____		
	c. expected	0.1	8.4	8.5	23.6	32.1	F&I	_____	_____	_____		
	d. difference	0.1	1.4	1.5			PDO	_____	_____	_____		
	e. significance	1.91	4.649	4.672								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 10.7 X VCF 1.065 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$372,585.28					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Clinton St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Websters Landing		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 4290		Future AADT: 9090		Volume Correction Factor (VCF): 1.559	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 1 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	0	1	Injury	_____	_____	_____
	c. expected	0.0	0.3	0.3	0.7	1.0	F&I	_____	_____	_____
	d. difference	0	0.7	0.7			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 0.3 X VCF 1.559 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$17,049.88					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Clinton St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 19340	Future AADT: 22870	Volume Correction Factor (VCF): 1.091	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.100			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 16	a. Existing Accident Rate: _____		
b. Accidents Reduced: 1.55	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 10%	c. Difference (a-b): _____			
	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	15	16	Injury	_____	_____	_____
	c. expected	0.0	4.2	4.2	11.8	16.0	F&I	_____	_____	_____
	d. difference	0	3.2	3.2			PDO	_____	_____	_____
	e. significance	1.91	3.48	3.48						
		NO	NO	NO			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 5.3 X VCF 1.091 X (1 - 0.100 RF) X AVG. COST/ACC. \$32,800 = \$171,808.23	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Clinton St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) W Washington St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 10580	Future AADT: 12490	Volume Correction Factor (VCF):	1.090

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	11	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	5	5	6	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	2.1	2.1			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.7 X VCF 1.090 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$131,122.50	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Clinton St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) W Fayette St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 12020	Future AADT: 15070	Volume Correction Factor (VCF):	1.127

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	17	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	16	17	Injury	_____	_____	_____
	c. expected	0.0	4.5	4.5	12.5	17.0	F&I	_____	_____	_____
	d. difference	0	3.5	3.5			PDO	_____	_____	_____
	e. significance	1.91	3.581	3.581			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 5.7 X VCF 1.127 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$209,447.92	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Clinton St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) W Onondaga St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 10710	Future AADT: 14140	Volume Correction Factor (VCF):	1.160

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	2	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	1.7	1.7			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.7 X VCF 1.160 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$63,420.48	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (W Adams St)		State Highway No. 62-7, 53-18		From or at Ref Mrkr.
	At Intersection With (If Applicable) S Clinton St		Route No. or Street Name		To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 11560	Future AADT: 15460	Volume Correction Factor (VCF): 1.169	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 10	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	8	10	Injury	_____	_____	_____
	c. expected	0.0	2.6	2.6	7.4	10.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	2.847	2.847			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement								
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:								
	ACC/YR	3.3	X VCF	1.169	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	\$127,776.24
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)								

See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Salina St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Herald Pl		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 14440	Future AADT: 14930	Volume Correction Factor (VCF):	1.017

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	7	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	26.48	26.74	73.26	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	6	7	Injury	_____	_____	_____
	c. expected	0.0	1.9	1.9	5.1	7.0	F&I	_____	_____	_____
	d. difference	0	0.9	0.9			PDO	_____	_____	_____
	e. significance	1.91	2.498	2.498						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.3 X VCF 1.017 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$85,187.92	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (James St / W Genessee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Salina St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 22460	Future AADT: 22050	Volume Correction Factor (VCF): 0.991	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 35	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	14	14	21	35	Injury	_____	_____	_____
	c. expected	0.1	9.2	9.3	25.8	35.1	F&I	_____	_____	_____
	d. difference	0.1	4.8	4.7			PDO	_____	_____	_____
	e. significance	1.91	4.829	4.851						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 11.7 X VCF 0.991 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$379,173.94	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Salina St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E/W Washington St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 12610		Future AADT: 14410		Volume Correction Factor (VCF): 1.071	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 11			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	7	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	1.1	1.1			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 3.7 X VCF 1.071 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$128,850.33					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Salina St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E/W Fayette St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>					
	Present AADT: 13880		Future AADT: 16530		Volume Correction Factor (VCF): 1.095	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 25			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	<i>Please refer to Attachment F for reduction factor derivation.</i>					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	4	4	7	11
	c. expected	0.0	6.6	6.6	18.4	25.0
	d. difference	0	2.6	2.6		
	e. significance	1.91	4.203	4.203		
		NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	<i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 8.3 X VCF 1.095 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$299,426.03					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						
See Attachment I						

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Salina St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Harrison St / Onondaga St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 13050	Future AADT: 17270	Volume Correction Factor (VCF):	1.162

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.060			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	22	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	1.36	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	6%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	18	22	Injury	_____	_____	_____
	c. expected	0.0	5.8	5.8	16.2	22.0	F&I	_____	_____	_____
	d. difference	0	1.8	1.8			PDO	_____	_____	_____
	e. significance	1.91	3.982	3.982						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 7.3 X VCF 1.162 X (1 - 0.060 RF) X AVG. COST/ACC. \$32,800 = \$262,658.71	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E/W Adams St)		State Highway No. 53-18		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Salina St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 17120		Future AADT: 19920		Volume Correction Factor (VCF): 1.082	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 38			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	ACC. COST	
	a. % by severity	0.17	26.23	26.40	73.60	100.0		Fatal	_____	_____	_____	
	b. actual	0	11	11	27	38		Injury	_____	_____	_____	
	c. expected	0.1	10.0	10.1	28.0	38.1		F&I	_____	_____	_____	
	d. difference	0.1	1	0.9				PDO	_____	_____	_____	
	e. significance	1.91	5	5.024					_____	_____	_____	
		NO	NO	NO				Total	_____	_____	_____	

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 12.7 X VCF 1.082 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$449,441.74					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Pearl St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Hickory St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 7800		Future AADT: 15040		Volume Correction Factor (VCF): 1.464	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 3 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	2	3	Injury	_____	_____	_____
	c. expected	0.0	0.8	0.8	2.2	3.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.0 X VCF 1.464 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$48,022.56					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Pearl St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Willow St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 7390		Future AADT: 12000		Volume Correction Factor (VCF): 1.312	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: -0.860					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 4			a. Existing Accident Rate: _____		
	b. Accidents Reduced: -3.45			b. Future Accident Rate: _____		
c. Calculated RF (b/a): -86%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	ACC. COST	
	a. % by severity	0.17	26.23	26.40	73.60	100.0		Fatal	_____	_____	_____	
	b. actual	0	1	1	3	4		Injury	_____	_____	_____	
	c. expected	0.0	1.0	1.0	2.9	3.9		F&I	_____	_____	_____	
	d. difference	0	0	0				PDO	_____	_____	_____	
	e. significance	1.91	1.91	1.91				Total	_____	_____	_____	
		NO	NO	NO								

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.3 X VCF 1.312 X (1 - -0.860 RF) X AVG. COST/ACC. \$32,800 = \$106,715.84					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Warren St				State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Willow St		Route No. or Street Name		State Highway No.		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>							
	Present AADT: 5730		Future AADT: 3150		Volume Correction Factor (VCF): 0.775			

REDUCTION CALCULATION	Method I (From Reduction Factor Table)							
	Average Reduction Factor: -0.180							
	Method II (Engineering Analysis)				Method III (For General Upgrading)			
	a. Total Accidents: 3		a. Existing Accident Rate: _____		b. Future Accident Rate: _____		c. Difference (a-b): _____	
	b. Accidents Reduced: -0.54		b. Future Accident Rate: _____		c. Difference (a-b): _____		d. Calculated RF (c/a), (%): _____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	<i>Please refer to Attachment F for reduction factor derivation.</i>							

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	3	3	Injury	_____	_____	_____
	c. expected	0.0	0.8	0.8	2.2	3.0	F&I	_____	_____	_____
	d. difference	0	0.8	0.8			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>							
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.0 X VCF 0.775 X (1 - -0.180 RF) X AVG. COST/ACC. \$32,800 = \$29,990.53							
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I							

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (James St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Warren St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 16960		Future AADT: 12170		Volume Correction Factor (VCF): 0.859	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: -0.090					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 14			a. Existing Accident Rate: _____		
	b. Accidents Reduced: -1.29			b. Future Accident Rate: _____		
c. Calculated RF (b/a): -9%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____		
	b. actual	0	4	4	10	14	Injury	_____	_____	_____		
	c. expected	0.0	3.7	3.7	10.3	14.0	F&I	_____	_____	_____		
	d. difference	0	0.3	0.3			PDO	_____	_____	_____		
	e. significance	1.91	3.3	3.3								
		NO	NO	NO			Total					

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 4.7 X VCF 0.859 X (1 - -0.090 RF) X AVG. COST/ACC. \$32,800 = \$143,282.04					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Warren St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Erie Blvd E		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 6570	Future AADT: 11710	Volume Correction Factor (VCF):	1.391

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.230			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	6	a. Existing Accident Rate:	_____
b. Accidents Reduced:	1.39	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	23%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	6	6	Injury	_____	_____	_____
	c. expected	0.0	1.6	1.6	4.4	6.0	F&I	_____	_____	_____
	d. difference	0	1.6	1.6			PDO	_____	_____	_____
	e. significance	1.91	2.324	2.324			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.0 X VCF 1.391 X (1 - 0.230 RF) X AVG. COST/ACC. \$32,800 = \$70,270.88	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Warren St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 9080	Future AADT: 9720	Volume Correction Factor (VCF):	1.035

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.130			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	8	a. Existing Accident Rate:	_____
b. Accidents Reduced:	1.02	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	13%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	7	8	Injury	_____	_____	_____
	c. expected	0.0	2.1	2.1	5.9	8.0	F&I	_____	_____	_____
	d. difference	0	1.1	1.1			PDO	_____	_____	_____
	e. significance	1.91	2.604	2.604						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.7 X VCF 1.035 X (1 - 0.130 RF) X AVG. COST/ACC. \$32,800 = \$78,777.80	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E Adams St)		State Highway No. 53-18		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Warren St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 13190	Future AADT: 13850	Volume Correction Factor (VCF): 1.025	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 9	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	6	9	Injury	_____	_____	_____
	c. expected	0.0	2.4	2.4	6.6	9.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	2.754	2.754						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement								
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:								
	ACC/YR	3.0	X VCF	1.025	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	\$100,861.87
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)								

See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Oswego Blvd)		State Highway No. CITYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) NY 5 (James St)/James St		Route No. or Street Name CITYST		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 13750	Future AADT: 13200	Volume Correction Factor (VCF): 0.980	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: -0.850			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 13	a. Existing Accident Rate: _____		
b. Accidents Reduced: -11.07	b. Future Accident Rate: _____			
c. Calculated RF (b/a): -85%	c. Difference (a-b): _____			
	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	26.48	26.74	73.26	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	11	13	Injury	_____	_____	_____
	c. expected	0.0	3.4	3.4	9.5	12.9	F&I	_____	_____	_____
	d. difference	0	1.4	1.4			PDO	_____	_____	_____
	e. significance	1.91	3.185	3.185						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 4.3 X VCF 0.980 X (1 - -0.850 RF) X AVG. COST/ACC. \$35,900 = \$282,042.37	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST	From or at Ref Mrkr.
	At Intersection With (If Applicable) NY 5 (Oswego Blvd) / Montgomery St		Route No. or Street Name CTYST	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 6230	Future AADT: 9460	Volume Correction Factor (VCF): 1.259	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.120			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 7	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0.87	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 12%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	7	7	Injury	_____	_____	_____
	c. expected	0.0	1.8	1.8	5.2	7.0	F&I	_____	_____	_____
	d. difference	0	1.8	1.8			PDO	_____	_____	_____
	e. significance	1.91	2.442	2.442						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.3 X VCF 1.259 X (1 - 0.120 RF) X AVG. COST/ACC. \$32,800 = \$84,808.27	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Montgomery St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 8530		Future AADT: 10050		Volume Correction Factor (VCF): 1.089	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 7			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	4	7	Injury	_____	_____	_____
	c. expected	0.0	1.8	1.8	5.2	7.0	F&I	_____	_____	_____
	d. difference	0	1.2	1.2			PDO	_____	_____	_____
	e. significance	1.91	2.442	2.442						
		NO	NO	NO			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 2.3 X VCF 1.089 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$83,352.25					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E Adams St)		State Highway No. 53-18		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Montgomery St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 12290		Future AADT: 11680		Volume Correction Factor (VCF): 0.975	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 4			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	3	4	Injury	_____	_____	_____
	c. expected	0.0	1.0	1.0	2.9	3.9	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.3 X VCF 0.975 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$42,648.01					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Hickory St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 5410		Future AADT: 3920		Volume Correction Factor (VCF): 0.862	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 5 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	4	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.7 X VCF 0.862 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$47,138.63					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Hickory St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 9930		Future AADT: 8910		Volume Correction Factor (VCF): 0.949	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.020					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 5 b. Accidents Reduced: 0.3 c. Calculated RF (b/a): 2%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	4	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.7 X VCF 0.949 X (1 - 0.020 RF) X AVG. COST/ACC. \$32,800 = \$50,821.83					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) NY 5 (Erie Blvd E)		Route No. or Street Name CTYST		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 16600		Future AADT: 22350		Volume Correction Factor (VCF): 1.173	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: -0.090					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 11 b. Accidents Reduced: -0.98 c. Calculated RF (b/a): -9%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	10	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	1.9	1.9			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 3.7 X VCF 1.173 X (1 - -0.090 RF) X AVG. COST/ACC. \$32,800 = \$153,794.62					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST	From or at Ref Mrkr.
	At Intersection With (If Applicable) E Washington St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 12000	Future AADT: 15720	Volume Correction Factor (VCF):	1.155

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	13	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	10	13	Injury	_____	_____	_____
	c. expected	0.0	3.4	3.4	9.6	13.0	F&I	_____	_____	_____
	d. difference	0	0.4	0.4			PDO	_____	_____	_____
	e. significance	1.91	3.185	3.185						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 4.3 X VCF 1.155 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$164,164.00	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 11400		Future AADT: 16190		Volume Correction Factor (VCF): 1.210	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.090					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 22			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 1.87			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 9%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	6	6	16	22
	c. expected	0.0	5.8	5.8	16.2	22.0
	d. difference	0	0.2	0.2		
	e. significance	1.91	3.982	3.982		
		NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 7.3 X VCF 1.210 X (1 - 0.090 RF) X AVG. COST/ACC. \$32,800 = \$264,870.45					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																																	
		EVALUATION OF ALTERNATE NO.: Community Grid																																																																																	
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																														
LOCATION	Route No. or Street Name US 11 (N State St)		State Highway No. CTYST		From or at Ref Mrkr.																																																																														
	At Intersection With (If Applicable) NY 930C (E Adams St)		Route No. or Street Name 53-18, 66-7		To Ref Mrkr.																																																																														
PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.																																																																																		
	Present AADT: 16070		Future AADT: 17370		Volume Correction Factor (VCF): 1.040																																																																														
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.090																																																																																		
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																																
SIGNIFICANCE	a. Total Accidents: 27		a. Existing Accident Rate: _____																																																																																
	b. Accidents Reduced: 2.38		b. Future Accident Rate: _____																																																																																
SAFETY BENEFITS	c. Calculated RF (b/a): 9%		c. Difference (a-b): _____																																																																																
			d. Calculated RF (c/a), (%): _____																																																																																
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.																																																																																			
CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>12</td> <td>12</td> <td>15</td> <td>27</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>7.1</td> <td>7.1</td> <td>19.9</td> <td>27.0</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>4.9</td> <td>4.9</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>4.333</td> <td>4.333</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>YES</td> <td>YES</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th></th> <th>COST/ACC</th> <th>=</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>0</td> <td>X</td> <td>\$0</td> <td>=</td> <td>\$0</td> </tr> <tr> <td>Injury</td> <td>0</td> <td>X</td> <td>\$0</td> <td>=</td> <td>\$0</td> </tr> <tr> <td>F&I</td> <td>12</td> <td>X</td> <td>\$125,300</td> <td>=</td> <td>\$1,503,600</td> </tr> <tr> <td>PDO</td> <td>15</td> <td>X</td> <td>\$3,800</td> <td>=</td> <td>\$57,000</td> </tr> <tr> <td>Total</td> <td>27</td> <td></td> <td>\$57,800</td> <td></td> <td>\$1,560,600</td> </tr> </tbody> </table>							FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	12	12	15	27	c. expected	0.0	7.1	7.1	19.9	27.0	d. difference	0	4.9	4.9			e. significance	1.91	4.333	4.333				NO	YES	YES			TYPE	# ACC		COST/ACC	=	ACC. COST	Fatal	0	X	\$0	=	\$0	Injury	0	X	\$0	=	\$0	F&I	12	X	\$125,300	=	\$1,503,600	PDO	15	X	\$3,800	=	\$57,000	Total	27		\$57,800		\$1,560,600
	FATAL	INJ.	F & I	PDO	TOTAL																																																																														
a. % by severity	0.17	26.23	26.40	73.60	100.0																																																																														
b. actual	0	12	12	15	27																																																																														
c. expected	0.0	7.1	7.1	19.9	27.0																																																																														
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e. significance	1.91	4.333	4.333																																																																																
	NO	YES	YES																																																																																
TYPE	# ACC		COST/ACC	=	ACC. COST																																																																														
Fatal	0	X	\$0	=	\$0																																																																														
Injury	0	X	\$0	=	\$0																																																																														
F&I	12	X	\$125,300	=	\$1,503,600																																																																														
PDO	15	X	\$3,800	=	\$57,000																																																																														
Total	27		\$57,800		\$1,560,600																																																																														
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 9.0 X VCF 1.040 X (1 - 0.090 RF) X AVG. COST/ACC. \$32,800 = \$279,497.64 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																																																																			

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Townsend St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Westbound I-690 Off-Ramp		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Eliminate Intersection					
	Present AADT: 26950		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

VCF is zero as intersection is eliminated.

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 5			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	No reduction factor is derived for this intersection as it is eliminated and VCF is zero.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	3	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	0.7	0.7			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	<i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 1.7 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Townsend St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 20980	Future AADT: 18070	Volume Correction Factor (VCF): 0.931	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: -0.020			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 23	a. Existing Accident Rate: _____		
	b. Accidents Reduced: -0.54	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): -2%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	7	7	16	23	Injury	_____	_____	_____
	c. expected	0.0	6.0	6.0	16.9	22.9	F&I	_____	_____	_____
	d. difference	0	1	1			PDO	_____	_____	_____
	e. significance	1.91	4.039	4.039						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement			
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 7.7 X VCF 0.931 X (1 - -0.020 RF) X AVG. COST/ACC. \$32,800 = \$238,707.55			
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I			

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Townsend St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) E Washington St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 13520	Future AADT: 15020	Volume Correction Factor (VCF):	1.055

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	8	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	6	8	Injury	_____	_____	_____
	c. expected	0.0	2.1	2.1	5.9	8.0	F&I	_____	_____	_____
	d. difference	0	0.1	0.1			PDO	_____	_____	_____
	e. significance	1.91	2.604	2.604						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 2.7 X VCF 1.055 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$92,318.74	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Townsend St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) E Fayette St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 14920	Future AADT: 17580	Volume Correction Factor (VCF):	1.089

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	16	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	13	16	Injury	_____	_____	_____
	c. expected	0.0	4.2	4.2	11.8	16.0	F&I	_____	_____	_____
	d. difference	0	1.2	1.2			PDO	_____	_____	_____
	e. significance	1.91	3.48	3.48						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 5.3 X VCF 1.089 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$190,527.26	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 92 (E Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Townsend St		Route No. or Street Name		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 15600	Future AADT: 18640	Volume Correction Factor (VCF):	1.097

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	11	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	7	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	1.1	1.1			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement			
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	3.7	X VCF	1.097
	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	= \$131,984.96
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Townsend St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 17360	Future AADT: 21190	Volume Correction Factor (VCF):	1.110

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.090			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 12	a. Existing Accident Rate:		
b. Accidents Reduced: 1.09	b. Future Accident Rate:			
c. Calculated RF (b/a): 9%	c. Difference (a-b):			
	d. Calculated RF (c/a), (%):			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	2	2	10	12	Injury			
	c. expected	0.0	3.1	3.1	8.8	11.9	F&I			
	d. difference	0	1.1	1.1			PDO			
	e. significance	1.91	3.065	3.065						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 4.0 X VCF 1.110 X (1 - 0.090 RF) X AVG. COST/ACC. \$32,800 = \$132,562.26	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E Adams St)		State Highway No. 66-7		From or at Ref Mrkr.	
	At Intersection With (If Applicable) S Townsend St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 19760		Future AADT: 20410		Volume Correction Factor (VCF): 1.016	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.030					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 38			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 1.17			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 3%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION						
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	=	ACC. COST	
	a. % by severity	0.17	26.23	26.40	73.60	100.0		Fatal	0	X	\$0	=	\$0
	b. actual	0	4	4	34	38		Injury	0	X	\$0	=	\$0
	c. expected	0.1	10.0	10.1	28.0	38.1		F&I	4	X	\$125,300	=	\$501,200
	d. difference	0.1	6	6.1				PDO	34	X	\$3,800	=	\$129,200
	e. significance	1.91	5	5.024				Total	38		\$16,589		\$630,400
		NO	YES	YES									

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 12.7 X VCF 1.016 X (1 - 0.030 RF) X AVG. COST/ACC. \$16,589 = \$207,175.87					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N McBride St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) EB I-690 On-Ramp		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Eliminate Intersection					
	Present AADT: 7180		Future AADT: 1750		Volume Correction Factor (VCF): 0.000	

VCF is zero as intersection is eliminated.

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 1			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	No reduction factor is derived for this intersection as it is eliminated and VCF is zero.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	1	1	Injury	_____	_____	_____
	c. expected	0.0	0.3	0.3	0.7	1.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 0.3 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N/S McBride St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 13120	Future AADT: 11540	Volume Correction Factor (VCF): 0.940	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 15	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	9	15	Injury	_____	_____	_____
	c. expected	0.0	3.9	3.9	11.0	14.9	F&I	_____	_____	_____
	d. difference	0	2.1	2.1			PDO	_____	_____	_____
	e. significance	1.91	3.373	3.373			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement								
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:								
	ACC/YR	5.0	X VCF	0.940	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$32,800	=	\$154,125.00
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)								

See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Catherine St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Burnet Av		Route No. or Street Name		To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 6460		Future AADT: 9340		Volume Correction Factor (VCF): 1.223	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.050					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 13 b. Accidents Reduced: 0.6 c. Calculated RF (b/a): 5%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	9	13	Injury	_____	_____	_____
	c. expected	0.0	3.4	3.4	9.6	13.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	3.185	3.185			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 4.3 X VCF 1.223 X (1 - 0.050 RF) X AVG. COST/ACC. \$32,800 = \$165,125.49					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Almond St / Catherine St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 13020		Future AADT: 22510		Volume Correction Factor (VCF): 1.364	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.050					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 12			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0.62			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 5%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	5	5	7	12	Injury	_____	_____	_____
	c. expected	0.0	3.1	3.1	8.8	11.9	F&I	_____	_____	_____
	d. difference	0	1.9	1.9			PDO	_____	_____	_____
	e. significance	1.91	3.065	3.065						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 4.0 X VCF 1.364 X (1 - 0.050 RF) X AVG. COST/ACC. \$32,800 = \$170,063.72					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Water St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 7720		Future AADT: 16080		Volume Correction Factor (VCF): 1.541	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.010					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 18 b. Accidents Reduced: 0.21 c. Calculated RF (b/a): 1%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	14	18	Injury	_____	_____	_____
	c. expected	0.0	4.7	4.7	13.2	17.9	F&I	_____	_____	_____
	d. difference	0	0.7	0.7			PDO	_____	_____	_____
	e. significance	1.91	3.647	3.647			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 6.0 X VCF 1.541 X (1 - 0.010 RF) X AVG. COST/ACC. \$32,800 = \$300,323.94					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) E Washington St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 8400	Future AADT: 17750	Volume Correction Factor (VCF): 1.557	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.050			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 4	a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0.21	b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 5%	c. Difference (a-b): _____		
		d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	3	4	Injury	_____	_____	_____
	c. expected	0.0	1.0	1.0	2.9	3.9	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.3 X VCF 1.557 X (1 - 0.050 RF) X AVG. COST/ACC. \$32,800 = \$64,669.37	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Fayette St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 11170		Future AADT: 19630		Volume Correction Factor (VCF): 1.379	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: -0.290					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 9 b. Accidents Reduced: -2.58 c. Calculated RF (b/a): -29%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	6	9	Injury	_____	_____	_____
	c. expected	0.0	2.4	2.4	6.6	9.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	2.754	2.754			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 3.0 X VCF 1.379 X (1 - -0.290 RF) X AVG. COST/ACC. \$32,800 = \$175,005.77					

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 92 (E Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Almond St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 19280		Future AADT: 24060		Volume Correction Factor (VCF): 1.124	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.040					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 7			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0.3			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 4%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.						

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	4	7	Injury	_____	_____	_____
	c. expected	0.0	1.8	1.8	5.2	7.0	F&I	_____	_____	_____
	d. difference	0	1.2	1.2			PDO	_____	_____	_____
	e. significance	1.91	2.442	2.442			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.3 X VCF 1.124 X (1 - 0.040 RF) X AVG. COST/ACC. \$32,800 = \$82,579.78	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Southbound I-81 Off-ramp		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Eliminate Intersection					
	Present AADT: 12740		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

VCF is zero as intersection is eliminated.

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents:	3		a. Existing Accident Rate:	_____	
b. Accidents Reduced:	0		b. Future Accident Rate:	_____		
c. Calculated RF (b/a):	0%		c. Difference (a-b):	_____		
d. Calculated RF (c/a), (%):	_____		d. Calculated RF (c/a), (%):	_____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No reduction factor is derived for this intersection as it is eliminated and VCF is zero.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	2	3	Injury	_____	_____	_____
	c. expected	0.0	0.8	0.8	2.2	3.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 1.0 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Harrison St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Southbound I-81 Off-ramp		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Eliminate Intersection					
	Present AADT: 10260		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

VCF is zero as intersection is eliminated.

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 8			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	No reduction factor is derived for this intersection as it is eliminated and VCF is zero.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	8	8	Injury	_____	_____	_____
	c. expected	0.0	2.1	2.1	5.9	8.0	F&I	_____	_____	_____
	d. difference	0	2.1	2.1			PDO	_____	_____	_____
	e. significance	1.91	2.604	2.604						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR	2.7	X VCF	0.000	X (1 - 0.000 RF)	X AVG. COST/ACC. \$32,800 = \$0.00
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 43670	Future AADT: 29540	Volume Correction Factor (VCF): 0.838	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: -0.440			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 61	a. Existing Accident Rate: _____		
b. Accidents Reduced: -27.08	b. Future Accident Rate: _____			
c. Calculated RF (b/a): -44%	c. Difference (a-b): _____			
	d. Calculated RF (c/a), (%): _____			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	16	16	45	61	Injury	_____	_____	_____
	c. expected	0.1	16.0	16.1	44.9	61.0	F&I	_____	_____	_____
	d. difference	0.1	0	0.1			PDO	_____	_____	_____
	e. significance	1.91	6.257	6.276						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement			
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	20.3	X VCF	0.838
	X (1 - -0.440 RF)	X AVG. COST/ACC.	\$32,800	= \$805,011.59
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930C (E Adams St)		State Highway No. 66-7		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Almond St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 41880	Future AADT: 26350	Volume Correction Factor (VCF):	0.815

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.030			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 71	a. Existing Accident Rate:		
b. Accidents Reduced: 2.13	b. Future Accident Rate:			
c. Calculated RF (b/a): 3%	c. Difference (a-b):			
	d. Calculated RF (c/a), (%):			

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	24	24	47	71	Injury			
	c. expected	0.1	18.6	18.7	52.3	71.0	F&I			
	d. difference	0.1	5.4	5.3			PDO			
	e. significance	1.91	6.723	6.74						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 23.7 X VCF 0.815 X (1 - 0.030 RF) X AVG. COST/ACC. \$32,800 = \$613,368.37	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Burt St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>					
	Present AADT: 8620		Future AADT: 16830		Volume Correction Factor (VCF): 1.476	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.390					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 1			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0.39			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 39%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	<i>Please refer to Attachment F for reduction factor derivation.</i>					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	0	0	1	1
	c. expected	0.0	0.3	0.3	0.7	1.0
	d. difference	0	0.3	0.3		
	e. significance	1.91	1.91	1.91		
		NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:					
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 0.3 X VCF 1.476 X (1 - 0.390 RF) X AVG. COST/ACC. \$32,800 = \$9,845.39					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						
See Attachment I						

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Van Buren St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 8900		Future AADT: 23330		Volume Correction Factor (VCF): 1.811	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.390					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 4 b. Accidents Reduced: 1.56 c. Calculated RF (b/a): 39%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	4	4	Injury	_____	_____	_____
	c. expected	0.0	1.0	1.0	2.9	3.9	F&I	_____	_____	_____
	d. difference	0	1	1			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 1.3 X VCF 1.811 X (1 - 0.390 RF) X AVG. COST/ACC. \$32,800 = \$48,303.96	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930B (West St)		State Highway No. 62-7		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Westbound I-690 Ramps		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>					
	Present AADT: NONE		Future AADT: 12780		Volume Correction Factor (VCF): N/A	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 8			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			
See Attachment E for derivation of Total Accidents						
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <i>No reduction factor is applied as total crashes are estimated for this alternative. See Attachment E for derivation.</i>						

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity						Fatal	_____	_____	_____
	b. actual						Injury	_____	_____	_____
	c. expected						F&I	_____	_____	_____
	d. difference						PDO	_____	_____	_____
	e. significance						Total	_____	_____	_____
	A significance check is not required for this intersection as it is a new facility and average crash rates are being used to develop an estimated crash total.									

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 2.7 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$87,466.67					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 930B (West St)		State Highway No. 62-7		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Eastbound I-690 Ramps		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>					
	Present AADT: NONE		Future AADT: 27470		Volume Correction Factor (VCF): N/A	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 16			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			
See Attachment E for derivation of Total Accidents						
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <i>No reduction factor is applied as total crashes are estimated for this alternative. See Attachment E for derivation.</i>						

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity						Fatal	_____	_____	_____		
	b. actual						Injury	_____	_____	_____		
	c. expected						F&I	_____	_____	_____		
	d. difference						PDO	_____	_____	_____		
	e. significance						Total					
	A significance check is not required for this intersection as it is a new facility and average crash rates are being used to develop an estimated crash total.											

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>											
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:											
	ACC/YR 5.3 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$174,933.33											
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)												
See Attachment I												

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																														
		EVALUATION OF ALTERNATE NO.: Community Grid																																																														
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																											
LOCATION	Route No. or Street Name Southbound I-81 Off-Ramp		State Highway No.		From or at Ref Mrkr.																																																											
	At Intersection With (If Applicable) Willow St		Route No. or Street Name		To Ref Mrkr.																																																											
PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.																																																															
	Present AADT: NONE		Future AADT: 8820		Volume Correction Factor (VCF): N/A																																																											
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																															
	Method II (Engineering Analysis) a. Total Accidents: 5 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0% Method III (For General Upgrading) a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____ See Attachment E for derivation of Total Accidents																																																															
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: No reduction factor is applied as total crashes are estimated for this alternative. See Attachment E for derivation.																																																															
	CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr><td>a. % by severity</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>b. actual</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>c. expected</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>d. difference</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>e. significance</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr><td>Fatal</td><td></td><td></td><td></td></tr> <tr><td>Injury</td><td></td><td></td><td></td></tr> <tr><td>F&I</td><td></td><td></td><td></td></tr> <tr><td>PDO</td><td></td><td></td><td></td></tr> <tr><td>Total</td><td></td><td></td><td></td></tr> </tbody> </table> A significance check is not required for this intersection as it is a new facility and average crash rates are being used to develop an estimated crash total.						FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity						b. actual						c. expected						d. difference						e. significance						TYPE	# ACC	COST/ACC	ACC. COST	Fatal				Injury				F&I				PDO				Total		
	FATAL	INJ.	F & I	PDO	TOTAL																																																											
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	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.7 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$54,666.67 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																																															

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Pearl St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) James St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>					
	Present AADT: NONE		Future AADT: 12690		Volume Correction Factor (VCF): N/A	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 8			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			
See Attachment E for derivation of Total Accidents						
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <i>No reduction factor is applied as total crashes are estimated for this alternative. See Attachment E for derivation.</i>						

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity						Fatal	_____	_____	_____		
	b. actual						Injury	_____	_____	_____		
	c. expected						F&I	_____	_____	_____		
	d. difference						PDO	_____	_____	_____		
	e. significance						Total	_____	_____	_____		
	A significance check is not required for this intersection as it is a new facility and average crash rates are being used to develop an estimated crash total.											

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 2.7 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$87,466.67					
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)						See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																						
		EVALUATION OF ALTERNATE NO.: Community Grid																																						
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																			
LOCATION	Route No. or Street Name Almond St		State Highway No.		From or at Ref Mrkr.																																			
	At Intersection With (If Applicable) MLK Jr E		Route No. or Street Name		To Ref Mrkr.																																			
PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.																																							
	Present AADT: NONE		Future AADT: 24830		Volume Correction Factor (VCF): N/A																																			
REDUCTION CALCULATION	Method I (From Reduction Factor Table)																																							
	Average Reduction Factor: 0.000																																							
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																					
	a. Total Accidents: 9 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																					
SIGNIFICANCE	See Attachment E for derivation of Total Accidents																																							
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	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.0 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$107,700.00																																							
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I																																			

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Catherine St				State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Westbound I-690 Off-Ramp				Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Intersection does not exist in Community Grid Alternative				
	Present AADT: 0		Future AADT: 0		Volume Correction Factor (VCF): 0.000

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 0 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%		a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Intersection does not exist in Community Grid Alternative			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 0.0 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$0.00	

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Catherine St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Eastbound I-690 On-Ramp		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Intersection does not exist in Community Grid Alternative			
	Present AADT: 0	Future AADT: 0	Volume Correction Factor (VCF):	0.000

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	0	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Intersection does not exist in Community Grid Alternative			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 0.0 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800	= \$0.00
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name MLK JR E		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Southbound I-81 On-Ramp		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Intersection does not exist in Community Grid Alternative			
	Present AADT: 0	Future AADT: 0	Volume Correction Factor (VCF):	0.000

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	0	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Intersection does not exist in Community Grid Alternative			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 0.0 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800	= \$0.00

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name MLK JR E		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Northbound I-81 Off-Ramp		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Intersection does not exist in Community Grid Alternative			
	Present AADT: 0	Future AADT: 0	Volume Correction Factor (VCF):	0.000

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	0	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Intersection does not exist in Community Grid Alternative			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	0	0	Injury	_____	_____	_____
	c. expected	0.0	0.0	0.0	0.0	0.0	F&I	_____	_____	_____
	d. difference	0	0	0			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 0.0 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800	= \$0.00

ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name BL-81 Ramps		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) East Glen Avenue		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>					
	Present AADT: NONE		Future AADT: 14380		Volume Correction Factor (VCF): N/A	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 9			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
	c. Calculated RF (b/a): 0%			c. Difference (a-b): _____		
				d. Calculated RF (c/a), (%): _____		
	<i>See Attachment E for derivation of Total Accidents</i>					
	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <i>This is a new intersection in the Community Grid alternative. No reduction factor is applied as total crashes are estimated.</i>					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST		
	a. % by severity						Fatal	_____	_____	_____		
	b. actual						Injury	_____	_____	_____		
	c. expected						F&I	_____	_____	_____		
	d. difference						PDO	_____	_____	_____		
	e. significance						Total					
	<i>A significance check is not required for this intersection as it is a new facility and average crash rates are being used to develop an estimated crash total.</i>											

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>											
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:											
	ACC/YR 3.0 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$98,400.00											
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)										See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name East Brighton Avenue		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) East Glen Avenue		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: NONE	Future AADT: 19840	Volume Correction Factor (VCF):	N/A

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	7	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____
	See Attachment E for derivation of Total Accidents			
	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: This is a new intersection in the Community Grid alternative. No reduction factor is applied as total crashes are estimated.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity						Fatal	_____	_____	_____
	b. actual						Injury	_____	_____	_____
	c. expected						F&I	_____	_____	_____
	d. difference						PDO	_____	_____	_____
	e. significance									
							Total			
	A significance check is not required for this intersection as it is a new facility and average crash rates are being used to develop an estimated crash total.									

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 2.3 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$83,766.67	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.		
	Salina St						
	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.		
		SB I-81 Exit 19 Off-Ramp					
INTERSECTION DOES NOT EXIST IN COMMUNITY GRID ALTERNATIVE							

PROJECT DATA	PROPOSED IMPROVEMENT:					
	Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 11120		Future AADT: 0		Volume Correction Factor (VCF): 0.000	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 1			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.16	27.60	27.76	72.24	100.0
	b. actual	0	0	0	1	1
	c. expected	0.0	0.3	0.3	0.7	1.0
	d. difference	0	0.3	0.3		
	e. significance	1.91	1.91	1.91		
		NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal	_____	_____	_____
Injury	_____	_____	_____
F&I	_____	_____	_____
PDO	_____	_____	_____
Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 0.3 X VCF 0.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$33,000 = \$0.00	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Crouse Av		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Burnet Av		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 6390	Future AADT: 9950	Volume Correction Factor (VCF):	1.279

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.390			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	1	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0.39	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	39%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	1	1	Injury	_____	_____	_____
	c. expected	0.0	0.3	0.3	0.7	1.0	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 0.3 X VCF 1.279 X (1 - 0.390 RF) X AVG. COST/ACC. \$32,800 = \$8,527.14	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.
	At Intersection With (If Applicable) Crouse Av		Route No. or Street Name		To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 12150	Future AADT: 25560	Volume Correction Factor (VCF):	1.552

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	4	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
		d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	2	4	Injury	_____	_____	_____
	c. expected	0.0	1.0	1.0	2.9	3.9	F&I	_____	_____	_____
	d. difference	0	1	1			PDO	_____	_____	_____
	e. significance	1.91	1.91	1.91						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 1.3 X VCF 1.552 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$67,867.65	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	S Crouse Av					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.	
	E Water St					
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 5190 Future AADT: 11900 Volume Correction Factor (VCF): 1.646						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	
	Please refer to Attachment F for reduction factor derivation.	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	1	1	4	5	Injury			
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I			
	d. difference	0	0.3	0.3			PDO			
	e. significance	1.91	2.131	2.131						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 1.7 X VCF 1.646 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$90,005.14	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Irving Av					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	E Fayette St				To Ref Mrkr.	
PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>						
Present AADT: 7040 Future AADT: 17080 Volume Correction Factor (VCF): 1.713						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	1	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.17	26.23	26.40	73.60	100.0
b. actual	0	0	0	1	1
c. expected	0.0	0.3	0.3	0.7	1.0
d. difference	0	0.3	0.3		
e. significance	1.91	1.91	1.91		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal			
Injury			
F&I			
PDO			
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR	0.3 X VCF 1.713 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$18,729.55
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	S Crouse Av					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.	
	E Fayette St					
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 7790 Future AADT: 13630 Volume Correction Factor (VCF): 1.375						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.120			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	
	b. Accidents Reduced:	0.59	b. Future Accident Rate:	
	c. Calculated RF (b/a):	12%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	
	Please refer to Attachment F for reduction factor derivation.	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	0	0	5	5	Injury			
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I			
	d. difference	0	1.3	1.3			PDO			
	e. significance	1.91	2.131	2.131						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR	1.7 X VCF 1.375 X (1 - 0.120 RF) X AVG. COST/ACC. \$32,800 = \$66,138.95
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name NY 92 (E Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.
	At Intersection With (If Applicable) Irving Av		Route No. or Street Name		To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 13240	Future AADT: 20450	Volume Correction Factor (VCF):	1.272

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.040			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	18	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0.77	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	4%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	5	5	13	18	Injury	_____	_____	_____
	c. expected	0.0	4.7	4.7	13.2	17.9	F&I	_____	_____	_____
	d. difference	0	0.3	0.3			PDO	_____	_____	_____
	e. significance	1.91	3.647	3.647						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 6.0 X VCF 1.272 X (1 - 0.040 RF) X AVG. COST/ACC. \$32,800 = \$240,369.50	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: Community Grid																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name NY 92 (E Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.																																																																		
	At Intersection With (If Applicable) S Crouse Av		Route No. or Street Name		To Ref Mrkr.																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.																																																																						
	Present AADT: 10990		Future AADT: 15740		Volume Correction Factor (VCF): 1.216																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.160																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 21		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 3.41		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 16%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.																																																																							
CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>3</td> <td>3</td> <td>18</td> <td>21</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>5.5</td> <td>5.5</td> <td>15.5</td> <td>21.0</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>2.5</td> <td>2.5</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>3.895</td> <td>3.895</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>							FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	3	3	18	21	c. expected	0.0	5.5	5.5	15.5	21.0	d. difference	0	2.5	2.5			e. significance	1.91	3.895	3.895				NO	NO	NO			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____
	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
a. % by severity	0.17	26.23	26.40	73.60	100.0																																																																		
b. actual	0	3	3	18	21																																																																		
c. expected	0.0	5.5	5.5	15.5	21.0																																																																		
d. difference	0	2.5	2.5																																																																				
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Total	_____	_____	_____																																																																				
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 7.0 X VCF 1.216 X (1 - 0.160 RF) X AVG. COST/ACC. \$32,800 = \$234,542.98 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Sarah Lougen Dr					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Harrison St				To Ref Mrkr.	
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 15690 Future AADT: 14160 Volume Correction Factor (VCF): 0.951						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	8	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	
	Please refer to Attachment F for reduction factor derivation.	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	8	8	Injury	_____	_____	_____
	c. expected	0.0	2.1	2.1	5.9	8.0	F&I	_____	_____	_____
	d. difference	0	2.1	2.1			PDO	_____	_____	_____
	e. significance	1.91	2.604	2.604						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 2.7 X VCF 0.951 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$83,202.04	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Elizabeth Blackwell St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 12430	Future AADT: 11840	Volume Correction Factor (VCF):	0.976

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	5	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	1.3	1.3			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 1.7 X VCF 0.976 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$53,369.27	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Irving Avenue		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 16210	Future AADT: 19610	Volume Correction Factor (VCF):	1.105

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	0	0	5	5	Injury	_____	_____	_____
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I	_____	_____	_____
	d. difference	0	1.3	1.3			PDO	_____	_____	_____
	e. significance	1.91	2.131	2.131			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 1.7 X VCF 1.105 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$60,399.75	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Crouse Av		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Harrison St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 8030	Future AADT: 10930	Volume Correction Factor (VCF):	1.181

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.140			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	8	a. Existing Accident Rate:	_____
b. Accidents Reduced:	1.08	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	14%	c. Difference (a-b):	_____	
		d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	1	1	7	8	Injury	_____	_____	_____
	c. expected	0.0	2.1	2.1	5.9	8.0	F&I	_____	_____	_____
	d. difference	0	1.1	1.1			PDO	_____	_____	_____
	e. significance	1.91	2.604	2.604						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 2.7 X VCF 1.181 X (1 - 0.140 RF) X AVG. COST/ACC. \$32,800	= \$88,804.26
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																				
		EVALUATION OF ALTERNATE NO.: Community Grid																																																																				
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																	
LOCATION	Route No. or Street Name Irving St		State Highway No.		From or at Ref Mrkr.																																																																	
	At Intersection With (If Applicable) E Adams St		Route No. or Street Name		To Ref Mrkr.																																																																	
PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.																																																																					
	Present AADT: 16190		Future AADT: 16890		Volume Correction Factor (VCF): 1.022																																																																	
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																					
	Method II (Engineering Analysis) a. Total Accidents: 35 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0% Method III (For General Upgrading) a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____																																																																					
SIGNIFICANCE	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.																																																																					
	CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>5</td> <td>5</td> <td>30</td> <td>35</td> </tr> <tr> <td>c. expected</td> <td>0.1</td> <td>9.2</td> <td>9.3</td> <td>25.8</td> <td>35.1</td> </tr> <tr> <td>d. difference</td> <td>0.1</td> <td>4.2</td> <td>4.3</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>4.829</td> <td>4.851</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>						FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	5	5	30	35	c. expected	0.1	9.2	9.3	25.8	35.1	d. difference	0.1	4.2	4.3			e. significance	1.91	4.829	4.851				NO	NO	NO			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____
	FATAL	INJ.	F & I	PDO	TOTAL																																																																	
a. % by severity	0.17	26.23	26.40	73.60	100.0																																																																	
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	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 11.7 X VCF 1.022 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$390,939.26 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																																																					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Crouse Av		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) E Adams St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 7750		Future AADT: 7890		Volume Correction Factor (VCF): 1.009	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.160					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 16 b. Accidents Reduced: 1.28 c. Calculated RF (b/a): 16%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	12	16	Injury	_____	_____	_____
	c. expected	0.0	4.2	4.2	11.8	16.0	F&I	_____	_____	_____
	d. difference	0	0.2	0.2			PDO	_____	_____	_____
	e. significance	1.91	3.48	3.48			Total	_____	_____	_____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 5.3 X VCF 1.009 X (1 - 0.160 RF) X AVG. COST/ACC. \$32,800 = \$148,271.24	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Irving Av					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Waverly Av					
PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>						
Present AADT: 9720 Future AADT: 12040 Volume Correction Factor (VCF): 1.119						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	9	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.17	26.23	26.40	73.60	100.0
b. actual	0	0	0	9	9
c. expected	0.0	2.4	2.4	6.6	9.0
d. difference	0	2.4	2.4		
e. significance	1.91	2.754	2.754		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal			
Injury			
F&I			
PDO			
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 3.0 X VCF 1.119 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$110,143.21	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	S Crouse Av					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.	
	Waverly Av					
PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>						
Present AADT: 9060 Future AADT: 9450 Volume Correction Factor (VCF): 1.022						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	9	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	
	<i>Please refer to Attachment F for reduction factor derivation.</i>	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	0	0	9	9	Injury			
	c. expected	0.0	2.4	2.4	6.6	9.0	F&I			
	d. difference	0	2.4	2.4			PDO			
	e. significance	1.91	2.754	2.754			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 3.0 X VCF 1.022 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$100,517.88	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Irving Av					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	University Pl				To Ref Mrkr.	
PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>						
Present AADT: 13960 Future AADT: 13690 Volume Correction Factor (VCF): 0.990						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents:	5		a. Existing Accident Rate:		
	b. Accidents Reduced:	0		b. Future Accident Rate:		
	c. Calculated RF (b/a):	0%		c. Difference (a-b):		
				d. Calculated RF (c/a), (%):		
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <i>Please refer to Attachment F for reduction factor derivation.</i>						

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION			
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	1	1	4	5	Injury			
	c. expected	0.0	1.3	1.3	3.7	5.0	F&I			
	d. difference	0	0.3	0.3			PDO			
	e. significance	1.91	2.131	2.131						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 1.7 X VCF 0.990 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$54,138.01	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Irving Av					
LOCATION	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Van Buren St				To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT:					
	Please refer to Attachment F for proposed improvements at this location.					
PROJECT DATA	Present AADT:	9480	Future AADT:	13510	Volume Correction Factor (VCF):	1.213

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.390			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	4	a. Existing Accident Rate:	
	b. Accidents Reduced:	1.55	b. Future Accident Rate:	
REDUCTION CALCULATION	c. Calculated RF (b/a):	39%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	
	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:			
	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	26.48	26.74	73.26	100.0	Fatal			
	b. actual	0	1	1	3	4	Injury			
	c. expected	0.0	1.1	1.1	2.9	4.0	F&I			
	d. difference	0	0.1	0.1			PDO			
	e. significance	1.91	1.987	1.987			Total			
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR	1.3 X VCF 1.213 X (1 - 0.390 RF) X AVG. COST/ACC. \$35,900 = \$35,404.92
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Crouse Ave					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Westbound I-690				To Ref Mrkr.	
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: NONE Future AADT: 17340 Volume Correction Factor (VCF): N/A						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	7	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
d. Calculated RF (c/a), (%):				_____
See Appendix X.2 for derivation of Total Accidents				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:				
Please refer to Attachment F for reduction factor derivation.				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity						Fatal	_____	_____	_____
	b. actual						Injury	_____	_____	_____
	c. expected						F&I	_____	_____	_____
	d. difference						PDO	_____	_____	_____
	e. significance						Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 2.3 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$76,533.33	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Crouse Ave					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Eastbound I-690				To Ref Mrkr.	
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: NONE Future AADT: 19510 Volume Correction Factor (VCF): N/A						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	5	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
d. Calculated RF (c/a), (%):				
See Appendix X.2 for derivation of Total Accidents				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:				
Please refer to Attachment F for reduction factor derivation.				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity						Fatal			
	b. actual						Injury			
	c. expected						F&I			
	d. difference						PDO			
	e. significance						Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 1.7 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$54,666.67	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (Erie Blvd E)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Irving Avenue		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: <i>Please refer to Attachment F for proposed improvements at this location.</i>					
	Present AADT: NONE		Future AADT: 29920		Volume Correction Factor (VCF): N/A	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 17			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			
<i>See Appendix X.2 for derivation of Total Accidents</i>						
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <i>Please refer to Attachment F for reduction factor derivation.</i>						

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity						Fatal	_____	_____	_____
	b. actual						Injury	_____	_____	_____
	c. expected						F&I	_____	_____	_____
	d. difference						PDO	_____	_____	_____
	e. significance									
							Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: <i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:					
	ACC/YR 5.7 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$185,866.67					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Irving Avenue					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	E Water St				To Ref Mrkr.	
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: NONE Future AADT: 12380 Volume Correction Factor (VCF): N/A						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	7	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
d. Calculated RF (c/a), (%):				
See Appendix X.2 for derivation of Total Accidents				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:				
Please refer to Attachment F for reduction factor derivation.				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity						Fatal			
	b. actual						Injury			
	c. expected						F&I			
	d. difference						PDO			
	e. significance									
							Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	<i>Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement</i>	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 2.3 X VCF 1.000 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$76,533.33	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 298 (Bear St)		State Highway No. 59-4		From or at Ref Mrkr. 298 3301 1008	
	At Intersection With (If Applicable) Southbound I-81 Off Ramp / Genant Dr		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 17680	Future AADT: 19910	Volume Correction Factor (VCF): 1.063	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents: 18	a. Existing Accident Rate: _____		
b. Accidents Reduced: 0	b. Future Accident Rate: _____			
c. Calculated RF (b/a): 0%	c. Difference (a-b): _____			
d. Calculated RF (c/a), (%): _____	d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	8	8	10	18	Injury	_____	_____	_____
	c. expected	0.0	4.7	4.7	13.2	17.9	F&I	_____	_____	_____
	d. difference	0	3.3	3.3			PDO	_____	_____	_____
	e. significance	1.91	3.647	3.647						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 6.0 X VCF 1.063 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$209,211.31	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Southbound I-81 Off Ramp / Genant Dr					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Spencer St				To Ref Mrkr.	
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 11830 Future AADT: 4510 Volume Correction Factor (VCF): 0.691						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.050			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	11	a. Existing Accident Rate:	
	b. Accidents Reduced:	0.51	b. Future Accident Rate:	
	c. Calculated RF (b/a):	5%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	
	Please refer to Attachment F for reduction factor derivation.	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	8	8	10	18	Injury			
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I			
	d. difference	0	5.1	5.1			PDO			
	e. significance	1.91	2.98	2.98						
		NO	YES	YES			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 3.7 X VCF 0.691 X (1 - 0.050 RF) X AVG. COST/ACC. \$32,800 = \$78,905.30	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	Solar St					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Hiawatha Blvd				To Ref Mrkr.	
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 36800 Future AADT: 39290 Volume Correction Factor (VCF): 1.034						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	33	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:			
	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	1	10	11	22	33	Injury	_____	_____	_____
	c. expected	0.1	8.7	8.8	24.3	33.1	F&I	_____	_____	_____
	d. difference	0.9	1.3	2.2			PDO	_____	_____	_____
	e. significance	1.91	4.718	4.74						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 11.0 X VCF 1.034 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$373,006.41	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Spencer St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Hiawatha Blvd		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 44480	Future AADT: 46500	Volume Correction Factor (VCF):	1.023

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	17	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	13	17	Injury	_____	_____	_____
	c. expected	0.0	4.5	4.5	12.5	17.0	F&I	_____	_____	_____
	d. difference	0	0.5	0.5			PDO	_____	_____	_____
	e. significance	1.91	3.581	3.581						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 5.7 X VCF 1.023 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$190,087.11	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name Eastbound I-690 Off-Ramp		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Hiawatha Blvd		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 25870	Future AADT: 27150	Volume Correction Factor (VCF):	1.025

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	11	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	26.48	26.74	73.26	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	7	11	Injury	_____	_____	_____
	c. expected	0.0	2.9	2.9	8.1	11.0	F&I	_____	_____	_____
	d. difference	0	1.1	1.1			PDO	_____	_____	_____
	e. significance	1.91	2.98	2.98						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement			
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:			
	ACC/YR	3.7	X VCF	1.025
	X (1 - 0.000 RF)	X AVG. COST/ACC.	\$35,900	= \$134,889.82
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)				See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name NY 298 (Bear St)		State Highway No. 59-4		From or at Ref Mrkr. 298 3301 1000	
	At Intersection With (If Applicable) Spencer St / I-690 Ramps		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 16260		Future AADT: 18340		Volume Correction Factor (VCF): 1.064	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 6 b. Accidents Reduced: 0 c. Calculated RF (b/a): 0%			a. Existing Accident Rate: _____ b. Future Accident Rate: _____ c. Difference (a-b): _____ d. Calculated RF (c/a), (%): _____		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	2	2	4	6	Injury	_____	_____	_____
	c. expected	0.0	1.6	1.6	4.4	6.0	F&I	_____	_____	_____
	d. difference	0	0.4	0.4			PDO	_____	_____	_____
	e. significance	1.91	2.324	2.324			Total	_____	_____	_____
	NO	NO	NO							

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 2.0 X VCF 1.064 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$69,795.82					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)					See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM	TRAFFIC AND SAFETY ID. NUMBER			
	EVALUATION OF ALTERNATE NO.: Community Grid			
	STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name N Geddes St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Westbound I-690 Off-Ramp		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 13820	Future AADT: 15320	Volume Correction Factor (VCF):	1.054

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	9	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):	_____	d. Calculated RF (c/a), (%):	_____	

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	3	3	6	9	Injury	_____	_____	_____
	c. expected	0.0	2.4	2.4	6.6	9.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	2.754	2.754			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR	3.0 X VCF 1.054 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$103,740.09
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	N Geddes St					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No.	
	Edison St				To Ref Mrkr.	
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 16270 Future AADT: 19760 Volume Correction Factor (VCF): 1.107						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	9	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:			
	Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	1	1	8	9	Injury			
	c. expected	0.0	2.4	2.4	6.6	9.0	F&I			
	d. difference	0	1.4	1.4			PDO			
	e. significance	1.91	2.754	2.754						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 3.0 X VCF 1.107 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$108,953.66	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name NY 5 (W Genesee St)		State Highway No. CTYST		From or at Ref Mrkr.	
	At Intersection With (If Applicable) N Geddes St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.					
	Present AADT: 23750		Future AADT: 27580		Volume Correction Factor (VCF): 1.081	

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents: 57			a. Existing Accident Rate: _____		
	b. Accidents Reduced: 0			b. Future Accident Rate: _____		
c. Calculated RF (b/a): 0%			c. Difference (a-b): _____			
			d. Calculated RF (c/a), (%): _____			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION						BEFORE COST/ACCIDENT CALCULATION					
		FATAL	INJ.	F & I	PDO	TOTAL		TYPE	# ACC	COST/ACC	ACC. COST	
	a. % by severity	0.17	26.23	26.40	73.60	100.0		Fatal	_____	_____	_____	
	b. actual	0	15	15	42	57		Injury	_____	_____	_____	
	c. expected	0.1	15.0	15.1	42.0	57.1		F&I	_____	_____	_____	
	d. difference	0.1	0	0.1				PDO	_____	_____	_____	
	e. significance	1.91	6.067	6.087				Total	_____	_____	_____	
		NO	NO	NO								

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement					
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 19.0 X VCF 1.081 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$673,449.60					
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I					

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	N Geddes St					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.	
	Wilkinson St					
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 11580 Future AADT: 15690 Volume Correction Factor (VCF): 1.177						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)					
	Average Reduction Factor: 0.000					
	Method II (Engineering Analysis)			Method III (For General Upgrading)		
	a. Total Accidents:	11		a. Existing Accident Rate:		
	b. Accidents Reduced:	0		b. Future Accident Rate:		
c. Calculated RF (b/a):	0%		c. Difference (a-b):			
			d. Calculated RF (c/a), (%):			

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:					
	Please refer to Attachment F for reduction factor derivation.					

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					
		FATAL	INJ.	F & I	PDO	TOTAL
	a. % by severity	0.17	26.23	26.40	73.60	100.0
	b. actual	0	1	1	10	11
	c. expected	0.0	2.9	2.9	8.1	11.0
	d. difference	0	1.9	1.9		
	e. significance	1.91	2.98	2.98		
		NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
	TYPE	# ACC	COST/ACC
	Fatal		
	Injury		
	F&I		
	PDO		
	Total		

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 3.7 X VCF 1.177 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$141,609.33	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER																																																																					
		EVALUATION OF ALTERNATE NO.: Community Grid																																																																					
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3																																																																		
LOCATION	Route No. or Street Name N Geddes St		State Highway No.		From or at Ref Mrkr.																																																																		
	At Intersection With (If Applicable) Erie Blvd W		Route No. or Street Name		To Ref Mrkr.																																																																		
PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.																																																																						
	Present AADT: 21700		Future AADT: 24810		Volume Correction Factor (VCF): 1.072																																																																		
REDUCTION CALCULATION	Method I (From Reduction Factor Table) Average Reduction Factor: 0.000																																																																						
	Method II (Engineering Analysis)		Method III (For General Upgrading)																																																																				
SIGNIFICANCE	a. Total Accidents: 26		a. Existing Accident Rate: _____																																																																				
	b. Accidents Reduced: 0		b. Future Accident Rate: _____																																																																				
SAFETY BENEFITS	c. Calculated RF (b/a): 0%		c. Difference (a-b): _____																																																																				
			d. Calculated RF (c/a), (%): _____																																																																				
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.																																																																							
CHECK OF SEVERITY DISTRIBUTION <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th></th> <th>FATAL</th> <th>INJ.</th> <th>F & I</th> <th>PDO</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>a. % by severity</td> <td>0.17</td> <td>26.23</td> <td>26.40</td> <td>73.60</td> <td>100.0</td> </tr> <tr> <td>b. actual</td> <td>0</td> <td>3</td> <td>3</td> <td>23</td> <td>26</td> </tr> <tr> <td>c. expected</td> <td>0.0</td> <td>6.8</td> <td>6.8</td> <td>19.1</td> <td>25.9</td> </tr> <tr> <td>d. difference</td> <td>0</td> <td>3.8</td> <td>3.8</td> <td></td> <td></td> </tr> <tr> <td>e. significance</td> <td>1.91</td> <td>4.256</td> <td>4.256</td> <td></td> <td></td> </tr> <tr> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td> <td></td> </tr> </tbody> </table> BEFORE COST/ACCIDENT CALCULATION <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>TYPE</th> <th># ACC</th> <th>COST/ACC</th> <th>ACC. COST</th> </tr> </thead> <tbody> <tr> <td>Fatal</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Injury</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>F&I</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>PDO</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Total</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>							FATAL	INJ.	F & I	PDO	TOTAL	a. % by severity	0.17	26.23	26.40	73.60	100.0	b. actual	0	3	3	23	26	c. expected	0.0	6.8	6.8	19.1	25.9	d. difference	0	3.8	3.8			e. significance	1.91	4.256	4.256				NO	NO	NO			TYPE	# ACC	COST/ACC	ACC. COST	Fatal	_____	_____	_____	Injury	_____	_____	_____	F&I	_____	_____	_____	PDO	_____	_____	_____	Total	_____	_____	_____
	FATAL	INJ.	F & I	PDO	TOTAL																																																																		
a. % by severity	0.17	26.23	26.40	73.60	100.0																																																																		
b. actual	0	3	3	23	26																																																																		
c. expected	0.0	6.8	6.8	19.1	25.9																																																																		
d. difference	0	3.8	3.8																																																																				
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TYPE	# ACC	COST/ACC	ACC. COST																																																																				
Fatal	_____	_____	_____																																																																				
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PDO	_____	_____	_____																																																																				
Total	_____	_____	_____																																																																				
A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 8.7 X VCF 1.072 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$304,636.93 ESTIMATED ANNUAL SAFETY BENEFITS (A - B) See Attachment I																																																																							

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	S Geddes St					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.	
	W Fayette St					
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 28390 Future AADT: 29450 Volume Correction Factor (VCF): 1.019						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	58	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
		d. Calculated RF (c/a), (%):		

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED:	
	Please refer to Attachment F for reduction factor derivation.	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal			
	b. actual	0	15	15	43	58	Injury			
	c. expected	0.1	15.2	15.3	42.7	58.0	F&I			
	d. difference	0.1	0.2	0.3			PDO			
	e. significance	1.91	6.106	6.125						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 19.3 X VCF 1.019 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$645,971.68	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	S Geddes St					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.	
	Marcellus St					
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 20600 Future AADT: 22030 Volume Correction Factor (VCF): 1.035						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	27	a. Existing Accident Rate:	
	b. Accidents Reduced:	0	b. Future Accident Rate:	
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	
			d. Calculated RF (c/a), (%):	

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION				
	FATAL	INJ.	F & I	PDO	TOTAL
a. % by severity	0.26	26.48	26.74	73.26	100.0
b. actual	0	7	7	19	26
c. expected	0.1	7.1	7.2	19.8	27.0
d. difference	0.1	0.1	0.2		
e. significance	1.91	4.333	4.359		
	NO	NO	NO		

BEFORE COST/ACCIDENT CALCULATION			
TYPE	# ACC	COST/ACC	ACC. COST
Fatal			
Injury			
F&I			
PDO			
Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR	9.0 X VCF 1.035 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$334,314.39
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Geddes St		State Highway No.		From or at Ref Mrkr.	
	At Intersection With (If Applicable) Otisco St		Route No. or Street Name		State Highway No. To Ref Mrkr.	

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 20140	Future AADT: 21450	Volume Correction Factor (VCF):	1.033

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	14	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	26.48	26.74	73.26	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	8	14	Injury	_____	_____	_____
	c. expected	0.0	3.7	3.7	10.3	14.0	F&I	_____	_____	_____
	d. difference	0	2.3	2.3			PDO	_____	_____	_____
	e. significance	1.91	3.3	3.3						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 4.7 X VCF 1.033 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$172,981.91	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM	TO	NO. YEARS
			01/01/15	12/31/17	3

LOCATION	Route No. or Street Name		State Highway No.		From or at Ref Mrkr.	
	S Geddes St					
PROJECT DATA	At Intersection With (If Applicable)		Route No. or Street Name		State Highway No. To Ref Mrkr.	
	Gifford St					
PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.						
Present AADT: 21890 Future AADT: 22970 Volume Correction Factor (VCF): 1.025						

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	22	a. Existing Accident Rate:	_____
	b. Accidents Reduced:	0	b. Future Accident Rate:	_____
	c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____
			d. Calculated RF (c/a), (%):	_____
BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.				

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.26	26.48	26.74	73.26	100.0	Fatal	_____	_____	_____
	b. actual	0	5	5	17	22	Injury	_____	_____	_____
	c. expected	0.1	5.8	5.9	16.1	22.0	F&I	_____	_____	_____
	d. difference	0.1	0.8	0.9			PDO	_____	_____	_____
	e. significance	1.91	3.982	4.011						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT:	
	Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT:	
	ACC/YR 7.3 X VCF 1.025 X (1 - 0.000 RF) X AVG. COST/ACC. \$35,900 = \$269,761.14	
ESTIMATED ANNUAL SAFETY BENEFITS (A - B)		See Attachment I

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Geddes St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Seymour St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 24310	Future AADT: 25950	Volume Correction Factor (VCF):	1.034

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	25	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	6	6	19	25	Injury	_____	_____	_____
	c. expected	0.0	6.6	6.6	18.4	25.0	F&I	_____	_____	_____
	d. difference	0	0.6	0.6			PDO	_____	_____	_____
	e. significance	1.91	4.203	4.203			Total	_____	_____	_____
		NO	NO	NO						

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 8.3 X VCF 1.034 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$282,553.13	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION TRAFFIC AND SAFETY DIVISION SAFETY BENEFITS EVALUATION FORM		TRAFFIC AND SAFETY ID. NUMBER			
		EVALUATION OF ALTERNATE NO.: Community Grid			
		STUDY PERIOD	FROM 01/01/15	TO 12/31/17	NO. YEARS 3

LOCATION	Route No. or Street Name S Geddes St		State Highway No.	From or at Ref Mrkr.
	At Intersection With (If Applicable) Grand Avenue / Shonnard St		Route No. or Street Name	To Ref Mrkr.

PROJECT DATA	PROPOSED IMPROVEMENT: Please refer to Attachment F for proposed improvements at this location.			
	Present AADT: 17970	Future AADT: 24200	Volume Correction Factor (VCF):	1.173

REDUCTION CALCULATION	Method I (From Reduction Factor Table)			
	Average Reduction Factor: 0.000			
	Method II (Engineering Analysis)		Method III (For General Upgrading)	
	a. Total Accidents:	10	a. Existing Accident Rate:	_____
b. Accidents Reduced:	0	b. Future Accident Rate:	_____	
c. Calculated RF (b/a):	0%	c. Difference (a-b):	_____	
d. Calculated RF (c/a), (%):		d. Calculated RF (c/a), (%):	_____	

REDUCTION CALCULATION	BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: Please refer to Attachment F for reduction factor derivation.			

SIGNIFICANCE	CHECK OF SEVERITY DISTRIBUTION					BEFORE COST/ACCIDENT CALCULATION				
		FATAL	INJ.	F & I	PDO	TOTAL	TYPE	# ACC	COST/ACC	ACC. COST
	a. % by severity	0.17	26.23	26.40	73.60	100.0	Fatal	_____	_____	_____
	b. actual	0	4	4	6	10	Injury	_____	_____	_____
	c. expected	0.0	2.6	2.6	7.4	10.0	F&I	_____	_____	_____
	d. difference	0	1.4	1.4			PDO	_____	_____	_____
	e. significance	1.91	2.847	2.847						
		NO	NO	NO			Total			

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: Please refer to No Build Alternative form for Estimated Annual Cost with No Improvement	
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR 3.3 X VCF 1.173 X (1 - 0.000 RF) X AVG. COST/ACC. \$32,800 = \$128,285.66	
	ESTIMATED ANNUAL SAFETY BENEFITS (A - B)	
	See Attachment I	

PREPARER'S SIGNATURE: _____

DATE: 10/10/2018

Attachment I

Safety Benefits Tables

Local Street Crash Costs and Benefits

Black cells indicate that intersection does not exist within the alternative.

See Attachment H for Cost Derivation

ID	Intersection Name	Alternatives				
		No Build Cost	Viaduct		Community Grid	
			Cost	Benefit	Cost	Benefit
D-1	N. West St. at NY 5/W. Genesee St.	\$110,538	\$196,800	-\$86,262	\$185,867	-\$75,329
D-10	Wallace St. at NY 5/W. Genesee St.	\$110,620	\$110,215	\$405	\$113,306	-\$2,686
D-11	N. Franklin St. /Butternut St. at N. Franklin St.	\$154,330	\$99,319	\$55,011	\$157,520	-\$3,190
D-12	N. Franklin St. at Herald Pl	\$351,670	\$315,572	\$36,098	\$333,893	\$17,777
D-13	N. Franklin St. at NY 5/W. Genesee St.	\$352,728	\$358,222	-\$5,495	\$372,585	-\$19,858
D-19	N. Clinton St. at Webster Landing	\$10,729		\$10,729	\$17,050	-\$6,320
D-21	N. Clinton St. at NY 5/W. Genesee St.	\$173,803	\$162,733	\$11,070	\$171,808	\$1,994
D-24	S. Clinton St. at W. Washington St.	\$119,187	\$125,177	-\$5,991	\$131,122	-\$11,936
D-25	S. Clinton St. at W. Fayette St.	\$187,258	\$188,341	-\$1,082	\$209,448	-\$22,190
D-27	S. Clinton St. at W. Onondaga St.	\$54,871	\$55,552	-\$681	\$63,420	-\$8,550
D-28	S. Clinton St. at W. Adams St.	\$109,712	\$113,050	-\$3,339	\$127,776	-\$18,065
D-32	N. Salina St. at Herald Pl	\$83,912	\$82,142	\$1,769	\$85,188	-\$1,276
D-34	N. Salina St. at NY 5/W. Genesee St./James St.	\$380,537	\$375,434	\$5,103	\$379,174	\$1,363
D-36	S. Salina St. at E./W. Washington St.	\$117,882	\$118,803	-\$920	\$128,850	-\$10,968
D-37	S. Salina St. at E./W. Fayette St.	\$271,069	\$271,699	-\$630	\$299,426	-\$28,357
D-39	S. Salina St. at Harrison St. and Onondaga St.	\$237,584	\$243,768	-\$6,184	\$262,659	-\$25,074
D-40	S. Salina St. at E./W. Adams St.	\$413,283	\$422,359	-\$9,076	\$449,442	-\$36,159
D-46	Pearl St. at Hickory St.	\$30,929	\$33,700	-\$2,771	\$48,023	-\$17,094
D-47	Pearl St. at E. Willow St.	\$42,934	\$44,411	-\$1,477	\$106,716	-\$63,781
D-48	N. Warren St. at E. Willow St.	\$32,686	\$34,311	-\$1,626	\$29,991	\$2,695
D-49	N. Warren St. at NY 5/James St.	\$152,706	\$147,539	\$5,167	\$143,282	\$9,424
D-50	N. Warren St. at E. Erie Blvd.	\$66,099	\$62,814	\$3,285	\$70,271	-\$4,172
D-56	S. Warren St. at Harrison St.	\$87,611	\$88,733	-\$1,122	\$78,778	\$8,833
D-57	S. Warren St. at E. Adams St.	\$98,363	\$100,093	-\$1,731	\$100,862	-\$2,499
D-58	Oswego Blvd. at James St.	\$155,171	\$152,857	\$2,314	\$282,042	-\$126,872
D-59	NY 5/Oswego Blvd./ at Montgomery St.	\$76,718	\$75,010	\$1,708	\$84,808	-\$8,091
D-66	Montgomery St. at Harrison St.	\$76,444	\$76,811	-\$368	\$83,352	-\$6,909
D-67	Montgomery St. at E. Adams St.	\$43,680	\$44,409	-\$729	\$42,648	\$1,032
D-68	US 11/N. State St. at Hickory St.	\$52,696	\$48,230	\$4,466	\$47,139	\$5,558
D-69	US 11/N. State St. at E. Willow St.	\$54,006	\$52,038	\$1,968	\$50,822	\$3,184
D-71	US 11/S. State St. at NY 5/Erie Blvd. E.	\$120,882	\$117,662	\$3,220	\$153,795	-\$32,912
D-73	US 11/S. State St. at E. Washington St.	\$143,259	\$140,149	\$3,109	\$164,164	-\$20,905
D-78	US 11/S. State St. at Harrison St.	\$243,171	\$262,740	-\$19,570	\$264,870	-\$21,700
D-79	US 11/S. State St. at E. Adams St.	\$296,761	\$301,969	-\$5,208	\$279,498	\$17,264
D-83	N. Townsend St. at Westbound I-690 off-ramp	\$40,894		\$40,894		\$40,894
D-84	N./S. Townsend St. at NY 5/Erie Blvd. E.	\$253,624	\$237,545	\$16,079	\$238,708	\$14,917
D-86	S. Townsend St. at E. Washington St.	\$88,049	\$84,746	\$3,303	\$92,319	-\$4,270

Local Street Crash Costs and Benefits

Black cells indicate that intersection does not exist within the alternative.

See Attachment H for Cost Derivation

ID	Intersection Name	Alternatives				
		No Build Cost	Viaduct		Community Grid	
			Cost	Benefit	Cost	Benefit
D-87	S. Townsend St. at E. Fayette St.	\$176,047	\$175,619	\$428	\$190,527	-\$14,480
D-88	S. Townsend St. at NY 92/E. Genesee St.	\$120,922	\$122,768	-\$1,846	\$131,985	-\$11,063
D-89	S. Townsend St. at Harrison St.	\$132,334	\$145,552	-\$13,218	\$132,562	-\$229
D-90	S. Townsend St. at E. Adams St.	\$210,872	\$207,166	\$3,706	\$207,176	\$3,696
D-92	N. McBride St. at EB I-690 On-ramp	\$10,987		\$10,987		\$10,987
D-93	N./S. McBride St. at NY 5/Erie Blvd. E.	\$165,063	\$167,400	-\$2,337	\$154,125	\$10,938
D-99	Catherine St. at Burnet Ave.	\$146,094	\$140,582	\$5,512	\$165,125	-\$19,032
D-100	Almond St./Catherine St. at NY 5/Erie Blvd. E.	\$131,956	\$171,991	-\$40,035	\$170,064	-\$38,108
D-101	Almond St. at E. Water St.	\$196,800	\$239,359	-\$42,559	\$300,324	-\$103,524
D-102	Almond St. at E. Washington St.	\$44,020	\$52,090	-\$8,070	\$64,669	-\$20,650
D-103	Almond St. at E. Fayette St.	\$99,017	\$145,535	-\$46,518	\$175,006	-\$75,989
D-104	Almond St. at NY 92/E. Genesee St.	\$76,732	\$78,794	-\$2,062	\$82,580	-\$5,848
D-105	Almond St. at Southbound I-81 Off-Ramp	\$33,006	\$32,573	\$433		\$33,006
D-106	Harrison St. at Southbound I-81 Off-Ramp	\$87,637	\$105,331	-\$17,694		\$87,637
D-107	Almond St. at Harrison St.	\$667,391	\$676,018	-\$8,626	\$805,012	-\$137,620
D-108	Almond St. at E. Adams St.	\$776,730	\$767,333	\$9,397	\$613,368	\$163,362
D-109	Almond St. at Burt St.	\$10,971	\$10,382	\$590	\$9,845	\$1,126
D-110	Almond St. at Van Buren St.	\$44,864	\$39,949	\$4,915	\$48,304	-\$3,440
D-118	West St. at Westbound I-690 Ramps		\$76,533	-\$76,533	\$87,467	-\$87,467
D-119	West St. at Eastbound I-690 Ramps		\$131,200	-\$131,200	\$174,933	-\$174,933
D-120	Southbound I-81 Off-ramp and Willow St.				\$54,667	-\$54,667
D-121	Pearl St. at James St.				\$87,467	-\$87,467
D-122	Almond St. and MLK Jr. E.				\$107,700	-\$107,700
D-123	Catherine St. at Westbound I-690 Off-Ramp		\$59,833	-\$59,833		
D-124	Catherine St. at Eastbound I-690 On-ramp		\$11,967	-\$11,967		
D-125	MLK Jr. E.. at Southbound I-81 On-Ramp		\$11,967	-\$11,967		
D-126	MLK Jr. E. at Northbound I-81 Off-Ramp		\$35,900	-\$35,900		

Local Street Crash Costs and Benefits

Black cells indicate that intersection does not exist within the alternative.

See Attachment H for Cost Derivation

ID	Intersection Name	Alternatives				
		No Build Cost	Viaduct		Community Grid	
			Cost	Benefit	Cost	Benefit
D-127	State Route at New Connecting Rd.				\$98,400	-\$98,400
D-128	E Brighton at New Connecting Rd.				\$83,767	-\$83,767
D-139	Salina St. at SB I-81 Exit 19 Off-ramp	\$11,059		\$11,059		\$11,059
U-1	N. Crouse Ave. at Burnet Ave.	\$10,899	\$10,884	\$15	\$8,527	\$2,372
U-10	N./S. Crouse Ave. at Erie Blvd. E.	\$44,183	\$44,176	\$7	\$67,868	-\$23,684
U-19	S. Crouse Ave. at E. Water St.	\$53,403	\$52,186	\$1,217	\$90,005	-\$36,602
U-24	Irving Ave. at E. Fayette St.	\$10,995	\$10,704	\$291	\$18,730	-\$7,734
U-25	S. Crouse Ave. at E. Fayette St.	\$54,982	\$55,491	-\$509	\$66,139	-\$11,156
U-31	Irving Ave. at NY 92/E. Genesee St.	\$196,131	\$193,530	\$2,601	\$240,369	-\$44,238
U-32	S. Crouse Ave. at NY 92/E. Genesee St.	\$229,287	\$190,530	\$38,757	\$234,543	-\$5,256
U-41	Sarah Loguen Dr. at Harrison St.	\$87,132	\$90,502	-\$3,370	\$83,202	\$3,930
U-42	Elizabeth Blackwell Dr. at Harrison St.	\$54,073	\$58,216	-\$4,143	\$53,369	\$704
U-43	Irving Ave. at Harrison St.	\$54,447	\$54,571	-\$123	\$60,400	-\$5,952
U-44	S. Crouse Ave. at Harrison St.	\$88,011	\$71,306	\$16,706	\$88,804	-\$793
U-51	Irving Ave. at E. Adams St.	\$382,785	\$382,678	\$106	\$390,939	-\$8,154
U-52	S. Crouse Ave. at E. Adams St.	\$175,836	\$154,657	\$21,179	\$148,271	\$27,565
U-56	Irving Ave. at Waverly Ave.	\$98,552	\$113,884	-\$15,332	\$110,143	-\$11,591
U-57	S. Crouse Ave. at Waverly Ave.	\$98,454	\$95,191	\$3,264	\$100,518	-\$2,064
U-62	Irving Ave. at University Pl	\$55,039	\$53,370	\$1,668	\$54,138	\$901
U-63	Irving Ave. at Van Buren St.	\$49,836	\$34,279	\$15,557	\$35,405	\$14,431
U-68	Crouse Ave. at Westbound I-690				\$76,533	-\$76,533
U-69	Crouse Ave. at Eastbound I-690				\$54,667	-\$54,667
U-70	Irving Ave. at Erie Blvd.				\$185,867	-\$185,867
U-71	Irving Ave. at Water St.				\$76,533	-\$76,533
W-1	Southbound I-81 On-Ramp/Genant Dr. at Bear St.	\$197,746	\$174,894	\$22,852	\$209,211	-\$11,465
W-3	Southbound I-81 Off-Ramp/Genant Dr. at Spencer St.	\$120,216	\$103,859	\$16,357	\$78,905	\$41,311
W-4	Solar St. at Hiawatha Blvd. W.	\$363,202	\$332,426	\$30,776	\$373,006	-\$9,804
W-5	Spencer St. at Hiawatha Blvd. W.	\$186,932	\$168,661	\$18,271	\$190,087	-\$3,155
W-6	I-690 East Off-Ramp at Hiawatha Blvd. W.	\$132,397	\$122,268	\$10,128	\$134,890	-\$2,493
W-9	Spencer St. at Bear St./I-690 Ramps	\$65,640	\$55,887	\$9,753	\$69,796	-\$4,155
W-12	N. Geddes St. at Westbound I-690 Off-Ramp	\$99,610	\$98,898	\$712	\$103,740	-\$4,130
W-13	N. Geddes St. at Edison St.	\$100,819	\$111,022	-\$10,203	\$108,954	-\$8,134
W-15	N. Geddes St. at NY 5/W. Genesee St.	\$639,600	\$675,746	-\$36,146	\$673,450	-\$33,850
W-17	N. Geddes St. at Wilkinson St.	\$123,590	\$138,873	-\$15,283	\$141,609	-\$18,019
W-19	N./S. Geddes St. at Erie Blvd. W.	\$285,708	\$300,334	-\$14,626	\$304,637	-\$18,929
W-20	S. Geddes St. at W. Fayette St.	\$641,393	\$627,656	\$13,737	\$645,972	-\$4,579

Local Street Crash Costs and Benefits

Black cells indicate that intersection does not exist within the alternative.

See Attachment H for Cost Derivation

ID	Intersection Name	Alternatives				
		No Build Cost	Viaduct		Community Grid	
			Cost	Benefit	Cost	Benefit
W-21	S. Geddes St. at Marcellus St.	\$327,256	\$321,932	\$5,325	\$334,314	-\$7,058
W-22	S. Geddes St. at Otisco St.	\$169,613	\$166,697	\$2,916	\$172,982	-\$3,369
W-23	S. Geddes St. at Gifford St.	\$265,792	\$261,715	\$4,077	\$269,761	-\$3,969
W-24	S. Geddes St. at Seymour St.	\$275,413	\$271,394	\$4,020	\$282,553	-\$7,140
W-25	S. Geddes St. at Grand Ave./Shonnard St.	\$124,574	\$122,588	\$1,986	\$128,286	-\$3,711
Total:		\$14,402,442	\$14,671,802	-\$269,360	\$16,262,817	-\$1,860,375

Freeway and Total Crash Costs and Benefits

Black cells indicate that segment does not exist within the alternative.

See Attachment H for Cost Derivation

Location	Alternatives				
	No Build Cost	Viaduct		Community Grid	
		Cost	Benefit	Cost	Benefit
I-81					
Segment 1 (RM 2008-2009)	\$51,937	\$55,184	-\$3,247	\$37,665	\$14,273
Segment 2 (RM 2010-2015)	\$494,063	\$530,402	-\$36,339	\$325,693	\$168,370
Segment 3 (RM 2016-2018)	\$117,547	\$125,586	-\$8,039	\$79,783	\$37,764
Segment 4 (RM 2019-2026)	\$441,390	\$475,469	-\$34,079	\$307,349	\$134,041
Segment 5 (RM 2027-2029)	\$157,341	\$165,619	-\$8,278	\$106,814	\$50,527
Segment 6 (RM 2030-2032)	\$142,040	\$144,702	-\$2,662	\$91,255	\$50,785
Segment 7 (RM 2033-2035)	\$232,429	\$177,601	\$54,828		\$232,429
Segment 8 (RM 2036-2042)	\$157,341	\$165,619	-\$8,278		\$157,341
Segment 9 (RM 2043-2048)	\$909,159	\$383,349	\$525,810		\$909,159
Segment 10 (RM 2049-2053)	\$2,515,383	\$1,523,873	\$991,510	\$1,542,759	\$972,624
Segment 11 (RM 2054-2059)	\$1,268,200	\$671,132	\$597,069	\$769,531	\$498,669
Segment 12 (RM 2060-2161)	\$393,956	\$132,526	\$261,429	\$203,406	\$190,549
Segment 13 (RM 2162-3004)	\$1,093,285	\$765,421	\$327,864	\$778,223	\$315,061
Segment 14 (RM 3005-3009)	\$567,364	\$570,066	-\$2,702	\$530,357	\$37,007
Segment 15 (RM 3010-3016)	\$1,095,124	\$1,103,773	-\$8,649	\$1,031,576	\$63,548
Segment 16 (RM 3017-3023)	\$673,863	\$677,966	-\$4,103	\$633,191	\$40,672
Segment 17 (RM 3024-3045)	\$1,470,185	\$1,480,143	-\$9,959	\$1,406,985	\$63,199
Segment 18 (RM 3046-3051)	\$568,992	\$577,509	-\$8,517	\$555,879	\$13,113
Segment 19 (RM 3052-3062)	\$922,011	\$954,589	-\$32,578	\$898,507	\$23,504
Total Cost I-81	\$13,271,610	\$10,680,530	\$2,591,080	\$9,298,974	\$3,972,636

Freeway and Total Crash Costs and Benefits

Black cells indicate that segment does not exist within the alternative.

See Attachment H for Cost Derivation

Location	Alternatives				
	No Build Cost	Viaduct		Community Grid	
		Cost	Benefit	Cost	Benefit
I-481					
Segment 0 (South Interchange Connection)*				\$144,467	-\$144,467
Segment 1 (RM 481I 1000-1005)	\$92,119	\$98,609	-\$6,490	\$75,891	\$16,228
Segment 2 (RM 481I 2000-2005)	\$171,645	\$180,635	-\$8,989	\$166,004	\$5,641
Segment 3 (RM 481I 2006-2023)	\$383,308	\$400,655	-\$17,347	\$430,916	-\$47,608
Segment 4 (RM 481I 2024-2031)	\$22,954	\$23,580	-\$626	\$28,647	-\$5,693
Segment 5 (RM 481I 2032-2042)	\$318,925	\$323,453	-\$4,527	\$396,546	-\$77,621
Segment 6 (RM 481I 2043-2049)	\$1,133,818	\$1,137,749	-\$3,931	\$1,405,853	-\$272,035
Segment 7 (RM 481I 2050-2057)	\$185,588	\$184,681	\$908	\$215,951	-\$30,363
Segment 8 (RM 481I 2058-2067)	\$318,925	\$323,453	-\$4,527	\$396,546	-\$77,621
Segment 9 (RM 481I 2068-2074)	\$212,466	\$210,011	\$2,455	\$164,230	\$48,236
Segment 10 (RM 481I 2075-2082)	\$690,969	\$679,813	\$11,156	\$702,543	-\$11,574
Segment 11 (RM 481I 2083-2089)	\$186,289	\$182,893	\$3,396	\$195,832	-\$9,542
Segment 12 (RM 481I 2090-2094)	\$133,133	\$130,106	\$3,027	\$142,748	-\$9,615
Segment 13 (RM 481I 2095-2098)	\$133,203	\$130,543	\$2,661	\$142,284	-\$9,081
Segment 14 (RM 481I 2099-2101)	\$79,964	\$78,165	\$1,798	\$90,845	-\$10,881
Segment 15 (RM 481I 2102-2126)	\$372,081	\$365,102	\$6,979	\$412,356	-\$40,274
Segment 16 (RM 481I 2127-2133)	\$252,259	\$247,786	\$4,473	\$283,004	-\$30,745
Segment 17 (RM 481I 2134-2137)	\$79,554	\$77,639	\$1,915	\$68,483	\$11,070
Segment 18 (RM 481I 2138-RM 481 1004)	\$476,531	\$463,722	\$12,809	\$442,151	\$34,380
Segment 19 (North Interchange Connection)*				\$170,733	-\$170,733
Total Cost I-481	\$5,243,733	\$5,238,594	\$5,139	\$6,076,033	-\$832,300

Freeway and Total Crash Costs and Benefits

Black cells indicate that segment does not exist within the alternative.

See Attachment H for Cost Derivation

Location	Alternatives				
	No Build Cost	Viaduct		Community Grid	
		Cost	Benefit	Cost	Benefit
I-690					
Segment 1 (RM 2005-2010)	\$305,323	\$316,882	-\$11,559	\$302,656	\$2,667
Segment 2 (RM 2001-2015)	\$464,660	\$494,018	-\$29,358	\$456,791	\$7,869
Segment 3 (RM 2016-2017)	\$239,827	\$260,818	-\$20,991	\$238,046	\$1,782
Segment 4 (RM 2018-2024)	\$1,250,287	\$902,507	\$347,780	\$546,517	\$703,770
Segment 5 (RM 2025-2032)	\$1,615,085	\$1,113,282	\$501,803	\$680,943	\$934,142
Segment 6 (RM 2033-2037)	\$859,369	\$790,796	\$68,572	\$714,758	\$144,611
Segment 7 (RM 2038-2040)	\$711,385	\$724,941	-\$13,556	\$690,589	\$20,797
Segment 8 (RM 2041-2046)	\$329,915	\$336,873	-\$6,958	\$322,203	\$7,712
Segment 9 (RM 2047-2052)	\$739,736	\$759,210	-\$19,474	\$735,116	\$4,620
Segment 10 (RM 2053-2056)	\$201,121	\$206,949	-\$5,828	\$201,121	\$0
Segment 11 (RM 2057-3008)	\$1,521,186	\$1,602,578	-\$81,392	\$1,539,945	-\$18,759
Segment 12 (RM 3009-3019)	\$207,691	\$217,818	-\$10,126	\$216,325	-\$8,634
Total Cost I-690	\$8,445,585	\$7,726,673	\$718,913	\$6,645,009	\$1,800,576
Total Freeway Costs and Benefits	\$26,960,928	\$23,645,796	\$3,315,132	\$22,020,015	\$4,940,912
Total Local Costs and Benefits	\$14,402,442	\$14,671,802	-\$269,360	\$16,262,817	-\$1,860,375
Total Costs and Benefits	\$41,363,370	\$38,317,598	\$3,045,772	\$38,282,833	\$3,080,537

*I-481 Segments 0 and 19 are the new connections of I-81 to I-481 that are not encompassed in an existing I-481 RM