Appendix H
Noise

ATTACHMENT A - Traffic Field Noise and Construction Noise Receiver Locations Maps Showing Study Area

ATTACHMENT B - Field Noise and Validation Model Results

ATTACHMENT C - Noise Impact Summary – Model Results

ATTACHMENT D - 2013 Existing Conditions Noise Results Figures

ATTACHMENT E - 2050 No Build Alternative Conditions Noise Results Figures

ATTACHMENT F - 2050 Viaduct Alternative Conditions Noise Results Figures

ATTACHMENT G - 2050 Viaduct Alternative Conditions Noise Abatement Figures

ATTACHMENT H - 2050 Viaduct Alternative Conditions Modeled Noise Reduction Figures

ATTACHMENT I - 2050 Viaduct Alternative Conditions Noise Abatement Barrier Location Coordinates and Dimensions Tables

ATTACHMENT J - 2050 Community Grid Alternative Conditions Noise Results Figures

ATTACHMENT K - 2050 Community Grid Alternative Conditions Noise Abatement Figures

ATTACHMENT L - 2050 Community Grid Alternative Conditions Modeled Noise Reduction Figures

ATTACHMENT M - 2050 Community Grid Alternative Conditions Noise Abatement Barrier Location Coordinates and Dimensions Tables

ATTACHMENT N - 2013 Existing Conditions TNM Model Plan Views

ATTACHMENT O - 2050 No Build Alternative Conditions TNM Model Plan Views

ATTACHMENT P - 2050 Viaduct Alternative Conditions TNM Model Plan Views

ATTACHMENT Q - 2050 Community Grid Alternative Conditions TNM Model Plan Views

ATTACHMENT R - 2050 Viaduct Alternative Conditions
FHWA Roadway Construction Noise Model (RCNM) Tables

ATTACHMENT S - 2050 Community Grid Alternative Conditions
FHWA Roadway Construction Noise Model (RCNM) Tables

ATTACHMENT T - Field Noise Measurement Data

ATTACHMENT A

Traffic Field Noise and Construction Noise Receiver Locations Maps Showing Study Area

5801 Harold Pl

Kenlaren Cir

128 Michael Ave

7000 All Nations Blvd

190 Roxboro Cir

6570 Fly Road

210 Dexter Ave

406 Sunset Ave

606 Nichols Ave

310 Leavenworth Ave

824 Burnet Ave

119 S Clinton St

500 E Genesee St

507 University Ave

701 S West St

507 E Adams St

5860 Heritage Landing Dr

267 Leon St

189 Hobart Ave

5050 Jamesville Rd

6120 Rock Cut Rd

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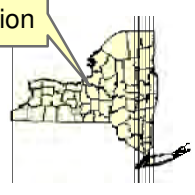
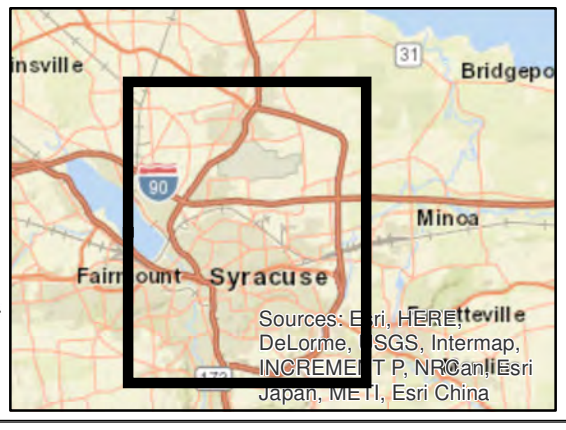
LEGEND

- Field Noise Measurement Receivers
- 24-Hour Field Noise Measurement Receivers
- Existing Noise Barriers
- Project Noise Study Area Limits*

Project Location





* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 2,700 5,400 10,800 Feet

WATTS ARCHITECTURE & ENGINEERING

Traffic Field Noise Receiver Locations

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/14/2020

Construction Noise Site G

Construction Noise Site A

Construction Noise Site B

Construction Noise Site C

Construction Noise Site D

Construction Noise Site E

Construction Noise Site F

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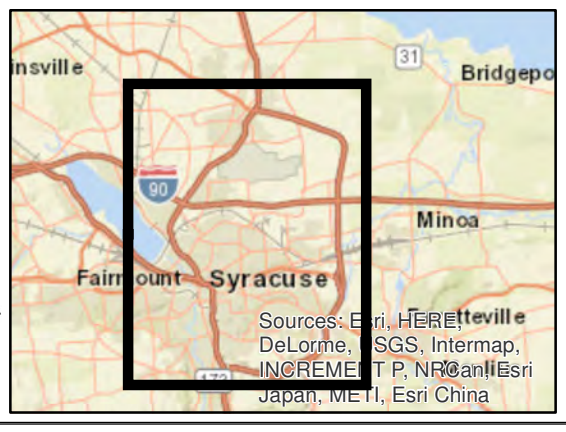
LEGEND

Construction Noise Receivers

Project Study Area Limits*

Project Location



* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 2,750 5,500 11,000 Feet

WATTS ARCHITECTURE & ENGINEERING

Construction Noise Receiver Locations

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/14/2020

ATTACHMENT B

Field Noise and Validation Model Results

TABLE - Field Noise and Validation Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Number	Name	Activity Category	Representing	Address	Short Term Measurement Start Date & Time	Short Term Field Results (L_{eq} -dBA)	Validation Model Results * (L_{eq} -dBA)	24-Hour Measure Site**
1	Orchard Estates Apartments	B - Residential	Orchard Estates Apartments and School East of I-81	190 Roxboro Cir Town of Salina	5/10/2016 14:18	67	70	---
2	Abundant Life Christian Center	C - Church	Exterior area of Abundant Life Christian Center	7000 All Nations Blvd Town of Cicero	5/10/2016 11:11	60	58	---
3	Butternut Creek Golf Course	C - Golf Course	Golf course	5050 Jamesville Rd Town of De Witt	5/10/2016 16:58	66	69	Y
4	Residences Along West Side of I-81	B - Residential	Residences Along West Side of I-81	189 Hobart Ave Syracuse	5/12/2016 10:43	59	60	Y
5	Residences North of Burnet Ave	B - Residential	Residences north of Burnet Ave in houses and apartments	824 Burnet Ave Syracuse	5/12/2016 8:56	67	66	---
6	Apartments and Church along University Ave 3	B - Residential	Apartments and Church along University Ave (Between Harrison and Madison)	507 University Ave Syracuse	5/11/2016 18:36	60	58	---
7	Apartment Complex Area 1	B - Residential	Appartment complex on south side of E Adams	507 E Adams St Syracuse	5/12/2016 7:59	65	68	---
8	Leon St/Oakwood Ave Area Residences	B - Residential	Residences along West site of I-81 near Leon/Oakwood	267 Leon St Syracuse	5/11/2016 7:49	70	73	---
9	Cliffside Trailer Park	B - Residential	Residences in the Cliffside Trailer Park	6120 Rock Cut Rd Town of De Witt	5/11/2016 10:47	66	68	---
10	Heritage Landing Drive Apartments	B - Residential	Heritage Landing Drive Apartments and nearby Erie Canal State Park	5860 Heritage Landing Dr Town of De Witt	5/11/2016 13:39	65	68	---
11	Upstate Orthopedics	C - Medical and Park	Medical land use with walking trails through ponds and gardens	6570 Fly Road East Syracuse	5/11/2016 8:41	72	71	Y
12	Noise Wall No 481I333N3	B - Residential	Residences behind Noise Wall No 481I333N3	Kenlaren Cir Town of Cicero	5/10/2016 10:08	55	55	---
13	Harold Place Area Residences	B - Residential	Residences along the east and west sides of I-81 on north end of project	5801 Harold Pl Town of Cicero	5/11/2016 17:28	71	72	---
14	Residences East of I-81	B - Residential	Residences East of I-81 between E Taft and up to Church St	128 Michael Ave Town of Cicero	5/10/2016 13:08	70	69	Y
15	Noise Wall No 81I333S2	B - Residential	Residences behind Noise Wall No 81I333S2	210 Dexter Ave Town of Salina	5/10/2016 18:03	57	57	---
16	Residences Along Sunset Ave	B - Residential	Residences on the northeast side of Sunset Avenue	406 Sunset Ave Syracuse	5/12/2016 12:02	64	63	---
17	Hanley Federal Building Greenspace	C - Park	Greenspace exterior use area at Hanley Federal Building	119 S Clinton St Syracuse	5/11/2016 14:59	62	59	---
18	Apartment Building at 701 S West St	B - Residential	Apartment Building at 701 S West St	701 S West St Syracuse	5/12/2016 15:31	65	66	---
19	Outdoor Public Access Area	C - Park	Sitting area in front of Bank of America	500 E Genesee St Syracuse	5/10/2016 19:11	61	60	Y
20	Residences in the Leavenworth Ave Area	B - Residential	Residences Along Leavenworth Ave	310 Leavenworth Ave Syracuse	5/11/2016 16:21	63	66	---
21	Nichols Ave Area Residences	B - Residential	Residential land uses north of I-690 in the area near Nichols Avenue	606 Nichols Ave Syracuse	5/12/2016 14:00	74	73	Y

Notes: L_{eq} = Equivalent Sound Level

* Model validation sound levels are considered accurate if the corresponding short term field noise measurements are within ±3 dBA of field sound levels.

** Examination of 24-hour field measured noise levels and extraneous noises (e.g. construction equipment, music, loud people, animals, non-traffic noise, etc.) indicated that 7:30am-8:30am were the average peak noise hours (for traffic related noise) for the project throughout the measured intervals. See the 24-Hour Noise Survey field forms for hourly field noise levels.

--- Only short term field measurements were collected at these sites. Representative 24-hour noise measurements were only collected at the representaive locations identified in the table with a "Y" in the "24-Hour Measurement Site" column.

ATTACHMENT C

Noise Impact Summary – Model Results

Table: Traffic Noise Impact Summary – Model Results
PIN 3501.60 – I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

The following notes apply to the Traffic Noise Impact Summary – Model Results Table

- Noise level results are presented in dBA L_{eq}
- *NAC = Noise Abatement Criteria - An impact occurs when the projected highway noise levels approach or exceed the limits set forth as per the 23 CFR Part 772, Table 1 to Part 772- Noise Abatement Criteria ("Approach" is defined as within 1 dBA of the NAC).
- Total number of 2013 Existing Noise Model Receiver Results Exceeding NAC Levels = 580
- Total number of 2050 No Build Alternative Noise Model Receiver Results Exceeding NAC Levels = 612
- Total number of receiver impacts for 2050 Viaduct Alternative Model Results = 675
- Total number of receiver impacts for 2050 Community Grid Alternative Model Results = 557
- Impact = 23 CFR Part 772 defines an impact as "Design year build condition noise levels that approach or exceed the NAC listed in Table 1 for the future build condition; or design year build condition noise levels that create a substantial noise increase over existing noise levels". NYSDOT Noise policy further defines this as increases approaching 1 dBA of the NAC or substantially (by 6 dBA or more) exceeding existing levels.
- Impacts are highlighted in orange.
- ---- = No NAC or substantial increase impacts identified.
- Inactive = Receiver is no longer physically present given the geometric design under this alternative.
- NA = Receiver is inactive; therefore, no results were calculated at this receiver and under this alternative.
- Noise levels indicated above are truncated to a whole number.
- Perceptible noise level increases greater than 3 dB(A) are highlighted in green and noise level decreases greater than 3 dB(A) are highlighted in blue.

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
240 Aberdeen Terr	Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
106 Albion Ave	Salina	B - Residential	1	67	75	75	**75**	0	**Impact**	**75**	0	**Impact**
7000 All Nations Blvd	Cicero	C - Church	1	67	61	61	62	1	----	62	1	----
601 Almond St	Syracuse	C - Picnic Area	2	67	65	66	65	0	----	60	-5	----
701 Almond St	Syracuse	C - Hospital	4	67	67	67	**66**	-1	**Impact**	60	-7	----
702 Almond St	Syracuse	C - Hospital	4	67	53	53	53	0	----	50	-3	----
1207 Almond St	Syracuse	B - Residential	10	67	62	62	63	1	----	59	-3	----
1001 Almond St (01 of 15)	Syracuse	B - Residential	8	67	63	64	64	1	----	60	-3	----
1001 Almond St (02 of 15)	Syracuse	B - Residential	8	67	60	60	61	1	----	56	-4	----
1001 Almond St (03 of 15)	Syracuse	B - Residential	12	67	60	60	61	1	----	56	-4	----
1001 Almond St (04 of 15)	Syracuse	B - Residential	10	67	56	57	56	0	----	53	-3	----
1001 Almond St (05 of 15)	Syracuse	B - Residential	4	67	68	68	**70**	2	**Impact**	**68**	0	**Impact**
1001 Almond St (06 of 15)	Syracuse	B - Residential	4	67	65	66	**67**	2	**Impact**	63	-2	----
1001 Almond St (07 of 15)	Syracuse	B - Residential	8	67	62	62	63	1	----	58	-4	----
1001 Almond St (08 of 15)	Syracuse	B - Residential	12	67	61	62	62	1	----	57	-4	----
1001 Almond St (09 of 15)	Syracuse	B - Residential	8	67	58	58	58	0	----	54	-4	----
1001 Almond St (10 of 15)	Syracuse	B - Residential	2	67	64	65	65	1	----	62	-2	----
1001 Almond St (11 of 15)	Syracuse	B - Residential	2	67	64	65	**66**	2	**Impact**	65	1	----
1001 Almond St (12 of 15)	Syracuse	B - Residential	8	67	62	63	63	1	----	59	-3	----
1001 Almond St (13 of 15)	Syracuse	B - Residential	10	67	61	62	62	1	----	57	-4	----
1001 Almond St (14 of 15)	Syracuse	B - Residential	8	67	66	66	**68**	2	**Impact**	**68**	2	**Impact**
1001 Almond St (15 of 15)	Syracuse	B - Residential	8	67	63	64	64	1	----	60	-3	----
100 Ambergate Rd	De Witt	B - Residential	1	67	59	59	59	0	----	60	1	----
101 Ambergate Rd	De Witt	B - Residential	1	67	65	66	65	0	----	**66**	1	**Impact**
103 Ambergate Rd	De Witt	B - Residential	1	67	63	64	63	0	----	64	1	----
104 Ambergate Rd	De Witt	B - Residential	1	67	59	59	59	0	----	59	0	----
105 Ambergate Rd	De Witt	B - Residential	1	67	62	63	63	1	----	64	2	----
108 Ambergate Rd	De Witt	B - Residential	1	67	60	60	60	0	----	60	0	----
109 Ambergate Rd	De Witt	B - Residential	1	67	61	62	62	1	----	63	2	----
113 Ambergate Rd	De Witt	B - Residential	1	67	61	61	62	1	----	62	1	----
117 Ambergate Rd	De Witt	B - Residential	1	67	60	61	61	1	----	62	2	----
121 Ambergate Rd	De Witt	B - Residential	1	67	60	61	61	1	----	61	1	----
125 Ambergate Rd	De Witt	B - Residential	1	67	59	60	60	1	----	61	2	----
201 Ambergate Rd	De Witt	B - Residential	1	67	59	60	60	1	----	61	2	----
203 Ambergate Rd	De Witt	B - Residential	1	67	59	59	59	0	----	60	1	----
205 Ambergate Rd	De Witt	B - Residential	1	67	59	59	59	0	----	60	1	----
211 Amherst Ave	Syracuse	B - Residential	2	67	61	61	62	1	----	58	-3	----
216 Amherst Ave	Syracuse	B - Residential	1	67	62	62	62	0	----	58	-4	----
217 Amherst Ave	Syracuse	B - Residential	1	67	61	61	62	1	----	58	-3	----
220 Amherst Ave	Syracuse	B - Residential	1	67	62	63	63	1	----	58	-4	----
221 Amherst Ave	Syracuse	B - Residential	1	67	62	62	63	1	----	58	-4	----
225 Amherst Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	58	-5	----
228 Amherst Ave	Syracuse	B - Residential	1	67	65	65	**66**	1	**Impact**	60	-5	----
233 Amherst Ave	Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	62	-5	----
300 Andrews Rd	De Witt	B - Residential	2	67	71	72	**72**	1	**Impact**	**73**	2	**Impact**
7922 Appleton Rd	Cicero	B - Residential	1	67	62	62	63	1	----	63	1	----
7926 Appleton Rd	Cicero	B - Residential	1	67	62	62	62	0	----	62	0	----
7929 Appleton Rd	Cicero	B - Residential	1	67	63	63	64	1	----	64	1	----
7930 Appleton Rd	Cicero	B - Residential	1	67	62	61	62	0	----	62	0	----
7934 Appleton Rd	Cicero	B - Residential	1	67	62	62	62	0	----	62	0	----
7938 Appleton Rd	Cicero	B - Residential	1	67	63	62	63	0	----	63	0	----
7944 Appleton Rd	Cicero	B - Residential	1	67	63	62	63	0	----	63	0	----
7947 Appleton Rd	Cicero	B - Residential	1	67	64	64	65	1	----	65	1	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
230 Arch St	Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
136 Arsenal Dr	Syracuse	B - Residential	1	67	55	55	55	0	----	54	-1	----
137 Arsenal Dr	Syracuse	B - Residential	1	67	57	57	57	0	----	57	0	----
140 Arsenal Dr	Syracuse	B - Residential	1	67	56	56	56	0	----	55	-1	----
143 Arsenal Dr	Syracuse	B - Residential	1	67	57	57	57	0	----	57	0	----
148 Arsenal Dr	Syracuse	B - Residential	1	67	57	58	58	1	----	57	0	----
151 Arsenal Dr	Syracuse	B - Residential	1	67	57	58	58	1	----	57	0	----
145 Arsenal Dr -1	Syracuse	B - Residential	1	67	57	58	57	0	----	58	1	----
145 Arsenal Dr -2	Syracuse	B - Residential	1	67	57	58	57	0	----	57	0	----
102 Ashworth Pl	Syracuse	B - Residential	2	67	56	57	56	0	----	58	2	----
104 Ashworth Pl	Syracuse	B - Residential	3	67	54	56	55	1	----	56	2	----
105 Ashworth Pl	Syracuse	B - Residential	1	67	56	57	56	0	----	57	1	----
107 Ashworth Pl	Syracuse	B - Residential	1	67	55	56	55	0	----	56	1	----
109 Ashworth Pl	Syracuse	B - Residential	2	67	54	55	54	0	----	55	1	----
111 Ashworth Pl	Syracuse	B - Residential	1	67	53	54	54	1	----	54	1	----
1 Austin Dr	Salina	B - Residential	1	67	60	60	60	0	----	60	0	----
2 Austin Dr	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
6 Austin Dr	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
8 Austin Dr	Salina	B - Residential	1	67	63	63	63	0	----	63	0	----
206 Avery Dr	Salina	B - Residential	1	67	59	59	59	0	----	59	0	----
207 Avery Dr	Salina	B - Residential	1	67	59	59	59	0	----	59	0	----
208 Avery Dr	Salina	B - Residential	1	67	60	60	60	0	----	60	0	----
209 Avery Dr	Salina	B - Residential	1	67	58	58	58	0	----	58	0	----
210 Avery Dr	Salina	B - Residential	1	67	60	60	60	0	----	60	0	----
211 Avery Dr	Salina	B - Residential	1	67	58	58	58	0	----	58	0	----
212 Avery Dr	Salina	B - Residential	1	67	59	59	60	1	----	60	1	----
214 Avery Dr	Salina	B - Residential	1	67	60	60	60	0	----	60	0	----
216 Avery Dr	Salina	B - Residential	1	67	59	59	59	0	----	59	0	----
218 Avery Dr	Salina	B - Residential	1	67	61	61	61	0	----	61	0	----
220 Avery Dr	Salina	B - Residential	1	67	61	61	61	0	----	61	0	----
118 Avon Ave	Salina	B - Residential	1	67	57	57	57	0	----	57	0	----
200 Avon Ave	Salina	B - Residential	1	67	58	58	58	0	----	58	0	----
201 Avon Ave	Salina	B - Residential	1	67	56	57	56	0	----	56	0	----
202 Avon Ave	Salina	B - Residential	1	67	59	59	58	-1	----	58	-1	----
203 Avon Ave	Salina	B - Residential	1	67	58	58	58	0	----	58	0	----
204 Avon Ave	Salina	B - Residential	1	67	59	60	59	0	----	59	0	----
205 Avon Ave	Salina	B - Residential	1	67	59	59	59	0	----	59	0	----
206 Avon Ave	Salina	B - Residential	1	67	60	61	60	0	----	60	0	----
207 Avon Ave	Salina	B - Residential	2	67	61	61	61	0	----	61	0	----
208 Avon Ave	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
209 Avon Ave	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
102 Bailey Rd	Salina	B - Residential	1	67	68	68	**68**	0	**Impact**	**68**	0	**Impact**
104 Bailey Rd	Salina	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
109 Bailey Rd	Salina	B - Residential	1	67	64	64	65	1	----	64	0	----
111 Bailey Rd	Salina	B - Residential	1	67	61	61	61	0	----	61	0	----
117 Baker Ave	Syracuse	B - Residential	1	67	58	58	58	0	----	54	-4	----
121 Baker Ave	Syracuse	B - Residential	2	67	59	59	59	0	----	55	-4	----
127 Baker Ave	Syracuse	B - Residential	2	67	60	60	60	0	----	56	-4	----
135 Baker Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	55	-5	----
143 Baker Ave	Syracuse	B - Residential	2	67	60	60	59	-1	----	55	-5	----
213 Baker Ave	Syracuse	C - Playground	1	67	61	61	61	0	----	56	-5	----
229 Baker Ave	Syracuse	B - Residential	2	67	60	60	60	0	----	55	-5	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
233 Baker Ave	Syracuse	B - Residential	2	67	60	60	60	0	----	55	-5	----
239 Baker Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	55	-5	----
243 Baker Ave	Syracuse	B - Residential	1	67	59	60	59	0	----	54	-5	----
249 Baker Ave	Syracuse	B - Residential	2	67	59	59	59	0	----	54	-5	----
255 Baker Ave	Syracuse	B - Residential	2	67	58	59	58	0	----	54	-4	----
311 Baker Ave	Syracuse	B - Residential	2	67	56	56	57	1	----	53	-3	----
313 Baker Ave	Syracuse	B - Residential	1	67	56	57	57	1	----	52	-4	----
317 Baker Ave	Syracuse	B - Residential	1	67	57	57	57	0	----	53	-4	----
321 Baker Ave	Syracuse	B - Residential	1	67	58	58	58	0	----	53	-5	----
327 Baker Ave	Syracuse	B - Residential	1	67	59	59	59	0	----	54	-5	----
329 Baker Ave	Syracuse	B - Residential	1	67	59	59	60	1	----	55	-4	----
353 Baker Ave	Syracuse	B - Residential	2	67	61	61	61	0	----	59	-2	----
210 Basin St	Syracuse	B - Residential	2	67	67	67	**69**	2	**Impact**	**67**	0	**Impact**
304 Basin St	Syracuse	B - Residential	1	67	66	66	**68**	2	**Impact**	**66**	0	**Impact**
306 Basin St	Syracuse	B - Residential	2	67	66	66	**67**	1	**Impact**	**66**	0	**Impact**
312 Basin St	Syracuse	B - Residential	1	67	66	66	**67**	1	**Impact**	**66**	0	**Impact**
316 Basin St	Syracuse	B - Residential	2	67	66	66	**67**	1	**Impact**	**66**	0	**Impact**
318 Basin St	Syracuse	B - Residential	1	67	66	65	**67**	1	**Impact**	65	-1	----
320 Basin St	Syracuse	B - Residential	2	67	66	66	**67**	1	**Impact**	65	-1	----
Bear Trap Creek Trail - 01	Salina	C - Trail	1	67	62	62	62	0	----	62	0	----
Bear Trap Creek Trail - 02	Salina	C - Trail	1	67	73	73	**73**	0	**Impact**	**73**	0	**Impact**
Bear Trap Creek Trail - 03	North Syracuse	C - Trail	1	67	77	77	**78**	1	**Impact**	**77**	0	**Impact**
Bear Trap Creek Trail - 04	Salina	C - Trail	1	67	65	66	**67**	2	**Impact**	65	0	----
Bear Trap Creek Trail - 05	Salina	C - Trail	1	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
Bear Trap Creek Trail - 06	Salina	C - Trail	1	67	69	69	**69**	0	**Impact**	**69**	0	**Impact**
Bear Trap Creek Trail - 07	Salina	C - Trail	1	67	75	75	**75**	0	**Impact**	**75**	0	**Impact**
Bear Trap Creek Trail - 08	Salina	C - Trail	1	67	76	77	**77**	1	**Impact**	**76**	0	**Impact**
Bear Trap Creek Trail - 09	North Syracuse	C - Trail	1	67	77	77	**77**	0	**Impact**	**77**	0	**Impact**
Bear Trap Creek Trail - 10	Salina	C - Trail	1	67	77	78	**78**	1	**Impact**	**78**	1	**Impact**
Bear Trap Creek Trail - 11	North Syracuse	C - Trail	1	67	77	78	**78**	1	**Impact**	**78**	1	**Impact**
Bear Trap Creek Trail - 12	Salina	C - Trail	1	67	77	78	**78**	1	**Impact**	**78**	1	**Impact**
Bear Trap Creek Trail - 13	North Syracuse	C - Trail	1	67	77	78	**78**	1	**Impact**	**77**	0	**Impact**
Bear Trap Creek Trail - 14	Salina	C - Trail	1	67	76	76	**76**	0	**Impact**	**76**	0	**Impact**
1026-28 Belden Ave W	Syracuse	B - Residential	2	67	67	67	**68**	1	**Impact**	**67**	0	**Impact**
1032 Belden Ave W	Syracuse	B - Residential	1	67	68	67	**69**	1	**Impact**	**68**	0	**Impact**
1036 Belden Ave W	Syracuse	B - Residential	1	67	68	68	**69**	1	**Impact**	**68**	0	**Impact**
1037 Belden Ave W	Syracuse	B - Residential	1	67	62	62	63	1	----	62	0	----
1038-40 Belden Ave W	Syracuse	B - Residential	2	67	68	68	**69**	1	**Impact**	**69**	1	**Impact**
1039-41 Belden Ave W	Syracuse	B - Residential	2	67	62	62	63	1	----	63	1	----
1042-44 Belden Ave W	Syracuse	B - Residential	1	67	68	68	**69**	1	**Impact**	**69**	1	**Impact**
1046-48 Belden Ave W	Syracuse	B - Residential	2	67	68	68	**70**	2	**Impact**	**69**	1	**Impact**
1054 Belden Ave W	Syracuse	B - Residential	2	67	68	68	**69**	1	**Impact**	**69**	1	**Impact**
1057 Belden Ave W	Syracuse	B - Residential	1	67	63	63	64	1	----	64	1	----
1059 Belden Ave W	Syracuse	B - Residential	1	67	64	64	**66**	2	**Impact**	65	1	----
1108-10 Belden Ave W	Syracuse	B - Residential	2	67	64	64	65	1	----	65	1	----
1112-14 Belden Ave W	Syracuse	B - Residential	2	67	64	64	64	0	----	64	0	----
1118 Belden Ave W	Syracuse	B - Residential	2	67	63	63	63	0	----	63	0	----
1119 Belden Ave W	Syracuse	B - Residential	1	67	63	63	64	1	----	64	1	----
1121 Belden Ave W	Syracuse	B - Residential	2	67	63	63	64	1	----	63	0	----
1123-25 Belden Ave W	Syracuse	B - Residential	2	67	63	63	63	0	----	63	0	----
1154-56 Belden Ave W	Syracuse	B - Residential	2	67	66	65	**67**	1	**Impact**	**66**	0	**Impact**
1158-60 Belden Ave W	Syracuse	B - Residential	2	67	66	65	**67**	1	**Impact**	**66**	0	**Impact**

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
1162 Belden Ave W	Syracuse	B - Residential	2	67	66	65	**66**	0	**Impact**	**66**	0	**Impact**
1166 Belden Ave W	Syracuse	B - Residential	2	67	66	65	**66**	0	**Impact**	**66**	0	**Impact**
1220 Belden Ave W	Syracuse	B - Residential	2	67	60	59	60	0	----	60	0	----
1221-23 Belden Ave W	Syracuse	B - Residential	2	67	65	65	**66**	1	**Impact**	**66**	1	**Impact**
1222 Belden Ave W	Syracuse	B - Residential	2	67	62	61	62	0	----	62	0	----
1224-26 Belden Ave W	Syracuse	B - Residential	1	67	61	60	61	0	----	61	0	----
1225-29 Belden Ave W	Syracuse	B - Residential	4	67	65	65	**66**	1	**Impact**	**66**	1	**Impact**
1235 Belden Ave W	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
1238-40 Belden Ave W	Syracuse	B - Residential	3	67	59	59	60	1	----	59	0	----
1243-45 Belden Ave W	Syracuse	B - Residential	3	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
1244-46 Belden Ave W	Syracuse	B - Residential	1	67	60	59	60	0	----	60	0	----
1247-49 Belden Ave W	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
1251-53 Belden Ave W	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
1252-54 Belden Ave W	Syracuse	B - Residential	1	67	60	59	60	0	----	60	0	----
1255-57 Belden Ave W	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
1258 Belden Ave W	Syracuse	B - Residential	2	67	60	59	60	0	----	60	0	----
1260 Belden Ave W	Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
1262 Belden Ave W	Syracuse	B - Residential	1	67	60	60	61	1	----	60	0	----
1266 Belden Ave W	Syracuse	B - Residential	1	67	60	60	61	1	----	60	0	----
1270 Belden Ave W	Syracuse	B - Residential	1	67	60	60	61	1	----	60	0	----
101 Benedict Ave	Syracuse	B - Residential	1	67	60	61	61	1	----	58	-2	----
102 Benedict Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	60	-5	----
103 Benedict Ave	Syracuse	B - Residential	1	67	60	60	61	1	----	57	-3	----
104 Benedict Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	60	-5	----
105 Benedict Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	57	-3	----
106 Benedict Ave	Syracuse	B - Residential	1	67	65	65	**66**	1	**Impact**	61	-4	----
107 Benedict Ave	Syracuse	B - Residential	1	67	59	60	60	1	----	57	-2	----
108 Benedict Ave	Syracuse	B - Residential	1	67	65	66	**66**	1	**Impact**	61	-4	----
109 Benedict Ave	Syracuse	B - Residential	1	67	58	58	58	0	----	55	-3	----
110 Benedict Ave	Syracuse	B - Residential	1	67	65	66	**66**	1	**Impact**	61	-4	----
111 Benedict Ave	Syracuse	B - Residential	1	67	55	55	55	0	----	53	-2	----
112 Benedict Ave	Syracuse	B - Residential	1	67	65	66	**66**	1	**Impact**	61	-4	----
113 Benedict Ave	Syracuse	B - Residential	1	67	53	54	54	1	----	52	-1	----
114 Benedict Ave	Syracuse	B - Residential	1	67	65	66	**66**	1	**Impact**	61	-4	----
115 Benedict Ave	Syracuse	B - Residential	1	67	53	53	53	0	----	52	-1	----
116 Benedict Ave	Syracuse	B - Residential	1	67	65	66	**66**	1	**Impact**	61	-4	----
117 Benedict Ave	Syracuse	B - Residential	1	67	53	53	54	1	----	52	-1	----
118 Benedict Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	61	-4	----
119 Benedict Ave	Syracuse	B - Residential	1	67	53	54	54	1	----	52	-1	----
120 Benedict Ave	Syracuse	B - Residential	1	67	64	65	65	1	----	61	-3	----
121 Benedict Ave	Syracuse	B - Residential	1	67	53	53	54	1	----	52	-1	----
122 Benedict Ave	Syracuse	B - Residential	1	67	64	64	65	1	----	60	-4	----
123 Benedict Ave	Syracuse	B - Residential	1	67	53	53	53	0	----	51	-2	----
124 Benedict Ave	Syracuse	B - Residential	1	67	63	64	64	1	----	59	-4	----
126 Benedict Ave	Syracuse	B - Residential	1	67	62	63	63	1	----	58	-4	----
128 Benedict Ave	Syracuse	B - Residential	1	67	62	62	62	0	----	58	-4	----
130 Benedict Ave	Syracuse	B - Residential	1	67	61	61	61	0	----	57	-4	----
6780 Benedict Rd	De Witt	B - Residential	1	67	70	70	**70**	0	**Impact**	**71**	1	**Impact**
6790 Benedict Rd	De Witt	B - Residential	1	67	63	64	64	1	----	64	1	----
6851 Benedict Rd	De Witt	B - Residential	1	67	61	62	62	1	----	62	1	----
200 Bennington Dr	Syracuse	B - Residential	1	67	52	52	53	1	----	51	-1	----
201 Bennington Dr	Syracuse	B - Residential	1	67	51	51	51	0	----	50	-1	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
206 Bennington Dr	Syracuse	B - Residential	1	67	52	52	52	0	----	50	-2	----
207 Bennington Dr	Syracuse	B - Residential	1	67	52	52	52	0	----	50	-2	----
211 Bennington Dr	Syracuse	B - Residential	1	67	52	53	53	1	----	50	-2	----
212 Bennington Dr	Syracuse	B - Residential	1	67	54	55	55	1	----	52	-2	----
218 Bennington Dr	Syracuse	B - Residential	1	67	56	56	56	0	----	53	-3	----
221 Bennington Dr	Syracuse	B - Residential	1	67	56	56	56	0	----	53	-3	----
222 Bennington Dr	Syracuse	B - Residential	1	67	56	56	57	1	----	53	-3	----
226 Bennington Dr	Syracuse	B - Residential	1	67	59	60	60	1	----	57	-2	----
227 Bennington Dr	Syracuse	B - Residential	1	67	60	60	61	1	----	57	-3	----
233 Bennington Dr	Syracuse	B - Residential	1	67	63	64	64	1	----	61	-2	----
100 Berwyn Ave	Syracuse	B - Residential	1	67	71	72	**72**	1	**Impact**	**66**	-5	**Impact**
101 Berwyn Ave	Syracuse	B - Residential	1	67	64	64	64	0	----	60	-4	----
102 Berwyn Ave	Syracuse	B - Residential	1	67	72	72	**72**	0	**Impact**	**66**	-6	**Impact**
103 Berwyn Ave	Syracuse	B - Residential	1	67	63	64	64	1	----	60	-3	**----**
104 Berwyn Ave	Syracuse	B - Residential	1	67	72	72	**72**	0	**Impact**	**66**	-6	**Impact**
105 Berwyn Ave	Syracuse	B - Residential	1	67	63	63	64	1	----	59	-4	----
106 Berwyn Ave	Syracuse	B - Residential	1	67	71	72	**72**	1	**Impact**	**66**	-5	**Impact**
107 Berwyn Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	59	-4	----
108 Berwyn Ave	Syracuse	B - Residential	1	67	71	72	**72**	1	**Impact**	**66**	-5	**Impact**
109 Berwyn Ave	Syracuse	B - Residential	1	67	63	63	64	1	----	59	-4	----
110 Berwyn Ave	Syracuse	B - Residential	1	67	71	71	**71**	0	**Impact**	**66**	-5	**Impact**
111 Berwyn Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	59	-4	----
112 Berwyn Ave	Syracuse	B - Residential	1	67	71	71	**71**	0	**Impact**	**66**	-5	**Impact**
113 Berwyn Ave	Syracuse	B - Residential	1	67	64	64	64	0	----	60	-4	----
114 Berwyn Ave	Syracuse	B - Residential	1	67	70	71	**71**	1	**Impact**	**66**	-4	**Impact**
115 Berwyn Ave	Syracuse	B - Residential	1	67	64	64	64	0	----	60	-4	----
116 Berwyn Ave	Syracuse	B - Residential	1	67	70	71	**71**	1	**Impact**	**66**	-4	**Impact**
117 Berwyn Ave	Syracuse	B - Residential	1	67	63	64	64	1	----	60	-3	----
118 Berwyn Ave	Syracuse	B - Residential	1	67	70	70	**70**	0	**Impact**	**66**	-4	**Impact**
119 Berwyn Ave	Syracuse	B - Residential	1	67	64	64	64	0	----	60	-4	----
120 Berwyn Ave	Syracuse	B - Residential	1	67	69	70	**70**	1	**Impact**	**66**	-3	**Impact**
121 Berwyn Ave	Syracuse	B - Residential	1	67	63	64	64	1	----	60	-3	----
122 Berwyn Ave	Syracuse	B - Residential	2	67	68	68	**69**	1	**Impact**	64	-4	----
123 Berwyn Ave	Syracuse	B - Residential	1	67	62	63	63	1	----	59	-3	----
126 Berwyn Ave	Syracuse	B - Residential	2	67	65	65	65	0	----	62	-3	----
127 Berwyn Ave	Syracuse	B - Residential	1	67	59	60	60	1	----	57	-2	----
1 Billings Lane	De Witt	B - Residential	1	67	70	71	**70**	0	**Impact**	**72**	2	**Impact**
6067 Bourdage Rd	Cicero	B - Residential	1	67	58	58	59	1	----	59	1	----
6079 Bourdage Rd	Cicero	B - Residential	1	67	57	57	57	0	----	58	1	----
3504 Brewerton Rd	Salina	C - Outdoor Dining	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
2803 Brewerton Rd (1 of 3)	Salina	C - Cinema	1	67	65	66	**66**	1	**Impact**	**66**	1	**Impact**
2803 Brewerton Rd (2 of3)	Salina	C - Outdoor Dining	1	67	64	64	64	0	----	64	0	----
2803 Brewerton Rd (3 of 3)	Salina	C - Outdoor Dining	1	67	63	63	63	0	----	63	0	----
5904 Bridge St	De Witt	C - Picnic Area at TV Studio	1	67	58	58	58	0	----	59	1	----
5903 Brigadier Dr	Cicero	B - Residential	1	67	65	65	65	0	----	64	-1	----
5914 Brigadier Dr	Cicero	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
5916 Brigadier Dr	Cicero	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
5918 Brigadier Dr	Cicero	B - Residential	1	67	65	65	65	0	----	64	-1	----
5920 Brigadier Dr	Cicero	B - Residential	1	67	64	64	64	0	----	65	1	----
5924 Brigadier Dr	Cicero	B - Residential	1	67	64	64	64	0	----	65	1	----
5927 Brigadier Dr	Cicero	B - Residential	1	67	59	59	59	0	----	61	2	----
5928 Brigadier Dr	Cicero	B - Residential	1	67	63	63	63	0	----	65	2	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
5931 Brigadier Dr	Cicero	B - Residential	1	67	59	59	59	0	----	61	2	----
5932 Brigadier Dr	Cicero	B - Residential	1	67	62	63	63	1	----	65	3	----
5936 Brigadier Dr	Cicero	B - Residential	1	67	62	62	63	1	----	65	3	----
5937 Brigadier Dr	Cicero	B - Residential	1	67	59	59	59	0	----	61	2	----
5938 Brigadier Dr	Cicero	B - Residential	1	67	62	63	63	1	----	**66**	4	**Impact**
5940 Brigadier Dr	Cicero	B - Residential	1	67	62	62	62	0	----	65	3	----
5943 Brigadier Dr	Cicero	B - Residential	1	67	59	59	59	0	----	61	2	----
5944 Brigadier Dr	Cicero	B - Residential	1	67	61	61	61	0	----	63	2	----
5946 Brigadier Dr	Cicero	B - Residential	1	67	60	60	60	0	----	62	2	----
5950 Brigadier Dr	Cicero	B - Residential	1	67	59	59	60	1	----	61	2	----
5953 Brigadier Dr	Cicero	B - Residential	1	67	58	58	58	0	----	59	1	----
5954 Brigadier Dr	Cicero	B - Residential	1	67	59	59	59	0	----	61	2	----
5966 Brigadier Dr	Cicero	B - Residential	1	67	59	59	59	0	----	60	1	----
5970 Brigadier Dr	Cicero	B - Residential	1	67	59	59	59	0	----	60	1	----
5974 Brigadier Dr	Cicero	B - Residential	1	67	58	58	58	0	----	59	1	----
5000 Brittonfield Pkwy	De Witt	C - Medical	3	67	62	63	63	1	----	63	1	----
5008 Brittonfield Pkwy	De Witt	C - Medical	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
408 Brookfield Rd	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
416 Brookfield Rd	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
421 Brookfield Rd	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
422 Brookfield Rd	Salina	B - Residential	1	67	63	63	63	0	----	63	0	----
425 Brookfield Rd	Salina	B - Residential	3	67	63	63	63	0	----	63	0	----
99 Buckley Rd	Salina	B - Residential	2	67	62	62	62	0	----	62	0	----
101 Buckley Rd	Salina	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
103 Buckley Rd	Salina	B - Residential	1	67	58	58	58	0	----	58	0	----
101 Burnet Ave	Syracuse	B - Residential	4	67	67	67	**68**	1	**Impact**	**67**	0	**Impact**
111 Burnet Ave	Syracuse	B - Residential	3	67	65	65	**66**	1	**Impact**	65	0	----
112 Burnet Ave	Syracuse	B - Residential	3	67	64	64	**66**	2	**Impact**	63	-1	----
125 Burnet Ave	Syracuse	B - Residential	2	67	63	63	64	1	----	63	0	----
200 Burnet Ave	Syracuse	B - Residential	1	67	70	69	**68**	-2	**Impact**	64	-6	----
205 Burnet Ave	Syracuse	B - Residential	2	67	63	63	64	1	----	63	0	----
207 Burnet Ave	Syracuse	B - Residential	1	67	62	62	63	1	----	63	1	----
211 Burnet Ave	Syracuse	B - Residential	1	67	61	61	63	2	----	62	1	----
215 Burnet Ave	Syracuse	B - Residential	1	67	62	62	63	1	----	63	1	----
219 Burnet Ave	Syracuse	B - Residential	1	67	67	68	**69**	2	**Impact**	**68**	1	**Impact**
308 Burnet Ave	Syracuse	B - Residential	1	67	64	65	**66**	2	**Impact**	57	-7	----
312 Burnet Ave	Syracuse	B - Residential	1	67	66	66	**67**	1	**Impact**	58	-8	----
314 Burnet Ave	Syracuse	B - Residential	1	67	64	64	**67**	3	**Impact**	63	-1	----
316 Burnet Ave	Syracuse	B - Residential	1	67	64	64	**67**	3	**Impact**	63	-1	----
320 Burnet Ave	Syracuse	B - Residential	2	67	66	66	**70**	4	**Impact**	65	-1	----
322 Burnet Ave	Syracuse	B - Residential	1	67	67	67	**73**	6	**Impact**	65	-2	----
405 Burnet Ave	Syracuse	B - Residential	3	67	62	62	**68**	6	**Impact**	65	3	----
411 Burnet Ave	Syracuse	B - Residential	2	67	62	62	**68**	6	**Impact**	65	3	----
417 Burnet Ave	Syracuse	B - Residential	3	67	61	61	**67**	6	**Impact**	64	3	----
425 Burnet Ave	Syracuse	B - Residential	2	67	61	61	**66**	5	**Impact**	64	3	----
429 Burnet Ave	Syracuse	B - Residential	1	67	61	62	**66**	5	**Impact**	64	3	----
431 Burnet Ave	Syracuse	B - Residential	2	67	61	62	**66**	5	**Impact**	64	3	----
435 Burnet Ave	Syracuse	B - Residential	2	67	61	61	**66**	5	**Impact**	64	3	----
437 Burnet Ave	Syracuse	B - Residential	1	67	61	61	65	4	----	64	3	----
443 Burnet Ave	Syracuse	B - Residential	2	67	58	58	61	3	----	59	1	----
501 Burnet Ave	Syracuse	B - Residential	1	67	60	61	59	-1	----	61	1	----
503 Burnet Ave	Syracuse	C - Picnic Table	1	67	63	63	62	-1	----	**66**	3	**Impact**

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
509 Burnet Ave	Syracuse	B - Residential	2	67	64	64	62	-2	----	**67**	3	**Impact**
517 Burnet Ave	Syracuse	B - Residential	1	67	64	64	63	-1	----	**67**	3	**Impact**
525 Burnet Ave	Syracuse	B - Residential	2	67	64	64	63	-1	----	**67**	3	**Impact**
527 Burnet Ave	Syracuse	B - Residential	2	67	64	64	63	-1	----	**67**	3	**Impact**
529 Burnet Ave	Syracuse	B - Residential	3	67	64	64	63	-1	----	**66**	2	**Impact**
531 Burnet Ave	Syracuse	B - Residential	1	67	63	64	63	0	----	**66**	3	**Impact**
537 Burnet Ave	Syracuse	B - Residential	1	67	64	64	63	-1	----	**66**	2	**Impact**
600 Burnet Ave	Syracuse	B - Residential	2	67	68	68	63	-5	----	**72**	4	**Impact**
601 Burnet Ave	Syracuse	B - Residential	1	67	67	67	**66**	-1	**Impact**	**67**	0	**Impact**
604 Burnet Ave	Syracuse	B - Residential	2	67	67	67	64	-3	----	**71**	4	**Impact**
605 Burnet Ave	Syracuse	B - Residential	1	67	62	62	61	-1	----	62	0	----
606 Burnet Ave	Syracuse	B - Residential	2	67	67	67	64	-3	----	**70**	3	**Impact**
608 Burnet Ave	Syracuse	B - Residential	2	67	67	67	64	-3	----	**70**	3	**Impact**
639 Burnet Ave	Syracuse	B - Residential	2	67	63	64	63	0	----	63	0	----
642 Burnet Ave	Syracuse	B - Residential	1	67	57	58	56	-1	----	56	-1	----
646 Burnet Ave	Syracuse	B - Residential	1	67	67	67	64	-3	----	61	-6	----
648 Burnet Ave	Syracuse	B - Residential	1	67	68	68	63	-5	----	62	-6	----
707 Burnet Ave	Syracuse	B - Residential	1	67	67	68	**67**	0	**Impact**	**68**	1	**Impact**
723 Burnet Ave	Syracuse	B - Residential	2	67	62	62	62	0	----	63	1	----
807 Burnet Ave	Syracuse	B - Residential	2	67	63	63	64	1	----	64	1	----
809 Burnet Ave	Syracuse	B - Residential	2	67	62	63	63	1	----	64	2	----
811 Burnet Ave	Syracuse	B - Residential	3	67	62	62	63	1	----	63	1	----
817 Burnet Ave	Syracuse	B - Residential	3	67	63	64	64	1	----	65	2	----
824 Burnet Ave	Syracuse	B - Residences	4	67	64	64	65	1	----	65	1	----
827 Burnet Ave	Syracuse	B - Residential	2	67	65	66	**66**	1	**Impact**	**67**	2	**Impact**
831 Burnet Ave	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	**67**	1	**Impact**
920 Burnet Ave	Syracuse	B - Residential	2	67	64	64	65	1	----	65	1	----
924 Burnet Ave	Syracuse	B - Residential	1	67	64	64	65	1	----	65	1	----
930 Burnet Ave	Syracuse	B - Residential	3	67	65	65	65	0	----	65	0	----
1002 Burnet Ave	Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
1006 Burnet Ave	Syracuse	B - Residential	1	67	65	66	**66**	1	**Impact**	**66**	1	**Impact**
1101 Burnet Ave	Syracuse	C - Park	1	67	65	65	**66**	1	**Impact**	**66**	1	**Impact**
1102 Burnet Ave	Syracuse	B - Residential	2	67	66	67	**66**	0	**Impact**	**66**	0	**Impact**
1108 Burnet Ave	Syracuse	B - Residential	2	67	67	68	**68**	1	**Impact**	**68**	1	**Impact**
1112 Burnet Ave	Syracuse	B - Residential	3	67	68	70	**69**	1	**Impact**	**69**	1	**Impact**
1217 Burnet Ave	Syracuse	B - Residential	1	67	67	68	**68**	1	**Impact**	**68**	1	**Impact**
1311 Burnet Ave	Syracuse	B - Residential	2	67	67	68	**68**	1	**Impact**	**68**	1	**Impact**
1315 Burnet Ave	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	**67**	1	**Impact**
1322 Burnet Ave	Syracuse	B - Residential	1	67	68	70	**69**	1	**Impact**	**70**	2	**Impact**
1326 Burnet Ave	Syracuse	B - Residential	2	67	67	69	**69**	2	**Impact**	**70**	3	**Impact**
1332 Burnet Ave	Syracuse	B - Residential	1	67	69	71	**71**	2	**Impact**	**71**	2	**Impact**
1337 Burnet Ave	Syracuse	B - Residential	1	67	66	67	**68**	2	**Impact**	**68**	2	**Impact**
1349 Burnet Ave	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	**68**	2	**Impact**
1350 Burnet Ave	Syracuse	B - Residential	1	67	66	67	**68**	2	**Impact**	**69**	3	**Impact**
1351 Burnet Ave	Syracuse	B - Residential	2	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
1354 Burnet Ave	Syracuse	B - Residential	2	67	69	70	**70**	1	**Impact**	**70**	1	**Impact**
1357 Burnet Ave	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	**67**	1	**Impact**
1361 Burnet Ave	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	**67**	1	**Impact**
1367 Burnet Ave	Syracuse	B - Residential	2	67	67	67	**67**	0	**Impact**	**68**	1	**Impact**
1375 Burnet Ave	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
1400 Burnet Ave	Syracuse	C - Outdoor Dining	1	67	69	69	**69**	0	**Impact**	**69**	0	**Impact**
1401 Burnet Ave	Syracuse	C - Outdoor Dining	1	67	67	67	**68**	1	**Impact**	**68**	1	**Impact**

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
1405 Burnet Ave	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	**67**	1	**Impact**
1411 Burnet Ave	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	**67**	1	**Impact**
1412 Burnet Ave	Syracuse	B - Residential	1	67	68	69	**69**	1	**Impact**	**69**	1	**Impact**
1414 Burnet Ave	Syracuse	B - Residential	1	67	68	69	**69**	1	**Impact**	**69**	1	**Impact**
1415 Burnet Ave	Syracuse	B - Residential	1	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
1417 Burnet Ave	Syracuse	B - Residential	1	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
1420 Burnet Ave	Syracuse	B - Residential	1	67	69	69	**70**	1	**Impact**	**70**	1	**Impact**
1421 Burnet Ave	Syracuse	B - Residential	1	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
1425 Burnet Ave	Syracuse	B - Residential	1	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
1427 Burnet Ave	Syracuse	B - Residential	2	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
1431 Burnet Ave	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**67**	1	**Impact**
1432 Burnet Ave	Syracuse	B - Residential	1	67	65	65	**66**	1	**Impact**	**66**	1	**Impact**
1433 Burnet Ave	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
1437 Burnet Ave	Syracuse	B - Residential	1	67	65	65	**66**	1	**Impact**	**66**	1	**Impact**
1438 Burnet Ave	Syracuse	B - Residential	1	67	67	68	**68**	1	**Impact**	**68**	1	**Impact**
1439 Burnet Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	**66**	1	**Impact**
1443 Burnet Ave	Syracuse	B - Residential	1	67	64	65	65	1	----	65	1	----
1445 Burnet Ave	Syracuse	B - Residential	1	67	64	65	65	1	----	65	1	----
1446 Burnet Ave	Syracuse	B - Residential	1	67	67	67	**68**	1	**Impact**	**68**	1	**Impact**
1448 Burnet Ave	Syracuse	B - Residential	1	67	67	67	**68**	1	**Impact**	**68**	1	**Impact**
1449 Burnet Ave	Syracuse	B - Residential	2	67	65	65	65	0	----	65	0	----
1450 Burnet Ave	Syracuse	B - Residential	1	67	67	67	**69**	2	**Impact**	**69**	2	**Impact**
1460 Burnet Ave	Syracuse	C - Outdoor Vending	1	67	68	68	**69**	1	**Impact**	**69**	1	**Impact**
1500 Burnet Ave	Syracuse	B - Residential	2	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
1501 Burnet Ave	Syracuse	B - Residential	3	67	66	67	**67**	1	**Impact**	**67**	1	**Impact**
1503 Burnet Ave	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	**67**	1	**Impact**
1506 Burnet Ave	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**67**	1	**Impact**
1508 Burnet Ave	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**67**	1	**Impact**
1509 Burnet Ave	Syracuse	B - Residential	1	67	67	68	**68**	1	**Impact**	**68**	1	**Impact**
1510 Burnet Ave	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	**67**	1	**Impact**
1511 Burnet Ave	Syracuse	B - Residential	2	67	68	68	**68**	0	**Impact**	**69**	1	**Impact**
1513 Burnet Ave	Syracuse	B - Residential	2	67	68	69	**69**	1	**Impact**	**69**	1	**Impact**
1515 Burnet Ave	Syracuse	B - Residential	2	67	69	69	**69**	0	**Impact**	**70**	1	**Impact**
1517 Burnet Ave	Syracuse	B - Residential	1	67	68	69	**69**	1	**Impact**	**69**	1	**Impact**
1519 Burnet Ave	Syracuse	B - Residential	2	67	66	67	**67**	1	**Impact**	**67**	1	**Impact**
1521 Burnet Ave	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	**67**	1	**Impact**
1523 Burnet Ave	Syracuse	B - Residential	2	67	65	66	**66**	1	**Impact**	**66**	1	**Impact**
1525 Burnet Ave	Syracuse	B - Residential	2	67	65	66	**66**	1	**Impact**	**66**	1	**Impact**
1600 Burnet Ave	Syracuse	C - Memorial	1	67	68	68	**69**	1	**Impact**	**69**	1	**Impact**
1601 Burnet Ave	Syracuse	B - Residential	2	67	65	66	**66**	1	**Impact**	**66**	1	**Impact**
1607 Burnet Ave	Syracuse	B - Residential	3	67	64	65	65	1	----	65	1	----
1611 Burnet Ave	Syracuse	B - Residential	1	67	64	65	65	1	----	65	1	----
1613 Burnet Ave	Syracuse	B - Residential	1	67	64	64	64	0	----	65	1	----
1615 Burnet Ave	Syracuse	B - Residential	1	67	64	64	64	0	----	65	1	----
1617 Burnet Ave	Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
1621 Burnet Ave	Syracuse	B - Residential	1	67	63	64	64	1	----	64	1	----
1645 Burnet Ave	Syracuse	B - Residential	1	67	64	64	65	1	----	65	1	----
1701 Burnet Ave	Syracuse	B - Residential	2	67	63	63	63	0	----	64	1	----
1811 Burnet Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
1817 Burnet Ave	Syracuse	B - Residential	2	67	57	58	58	1	----	58	1	----
1823 Burnet Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
1829 Burnet Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	**66**	1	**Impact**

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
1847 Burnet Ave	Syracuse	B - Residential	10	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
1854 Burnet Ave	Syracuse	B - Residential	1	67	71	71	**71**	0	**Impact**	**71**	0	**Impact**
1901 Burnet Ave	Syracuse	B - Residential	1	67	67	66	**66**	-1	**Impact**	**67**	0	**Impact**
1907 Burnet Ave	Syracuse	B - Residential	1	67	67	67	**66**	-1	**Impact**	**67**	0	**Impact**
1911 Burnet Ave	Syracuse	B - Residential	2	67	67	67	**66**	-1	**Impact**	**67**	0	**Impact**
1917 Burnet Ave	Syracuse	B - Residential	2	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
1919 Burnet Ave	Syracuse	B - Residential	2	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
1923 Burnet Ave	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
2001 Burnet Ave	Syracuse	B - Residential	2	67	66	65	65	-1	----	65	-1	----
2009 Burnet Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
2011 Burnet Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
2017 Burnet Ave	Syracuse	B - Residential	1	67	65	64	64	-1	----	64	-1	----
2023 Burnet Ave	Syracuse	B - Residential	2	67	65	65	65	0	----	64	-1	----
2107 Burnet Ave	Syracuse	B - Residential	2	67	65	64	64	-1	----	64	-1	----
2111 Burnet Ave	Syracuse	B - Residential	1	67	65	64	64	-1	----	64	-1	----
2115 Burnet Ave	Syracuse	B - Residential	2	67	64	64	64	0	----	64	0	----
2125 Burnet Ave	Syracuse	B - Residential	3	67	60	60	60	0	----	60	0	----
2215 Burnet Ave	Syracuse	B - Residential	1	67	67	66	**66**	-1	**Impact**	**66**	-1	**Impact**
2222 Burnet Ave	Syracuse	C - Outdoor Dining	1	67	70	70	**70**	0	**Impact**	**70**	0	**Impact**
2300 Burnet Ave	Syracuse	B - Residential	2	67	72	72	**72**	0	**Impact**	**72**	0	**Impact**
2304 Burnet Ave	Syracuse	B - Residential	1	67	72	73	**73**	1	**Impact**	**73**	1	**Impact**
2312 Burnet Ave	Syracuse	B - Residential	1	67	72	72	**72**	0	**Impact**	**72**	0	**Impact**
2317 Burnet Ave	Syracuse	C - Park	4	67	61	61	61	0	----	61	0	----
2402 Burnet Ave	Syracuse	B - Residential	2	67	71	71	**71**	0	**Impact**	**72**	1	**Impact**
2404 Burnet Ave	Syracuse	B - Residential	2	67	71	71	**71**	0	**Impact**	**72**	1	**Impact**
2504 Burnet Ave	Syracuse	B - Residential	1	67	71	71	**71**	0	**Impact**	**71**	0	**Impact**
2511 Burnet Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
2515 Burnet Ave	Syracuse	B - Residential	2	67	65	65	65	0	----	65	0	----
2521 Burnet Ave	Syracuse	B - Residential	2	67	65	65	65	0	----	65	0	----
2525 Burnet Ave	Syracuse	B - Residential	2	67	65	65	65	0	----	65	0	----
2531 Burnet Ave	Syracuse	B - Residential	2	67	64	64	64	0	----	65	1	----
2623 Burnet Ave	Syracuse	B - Residential	1	67	64	64	65	1	----	65	1	----
2701 Burnet Ave	Syracuse	B - Residential	2	67	65	64	65	0	----	65	0	----
2707 Burnet Ave	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
2708 Burnet Ave	Syracuse	B - Residential	1	67	70	70	**70**	0	**Impact**	**70**	0	**Impact**
2713 Burnet Ave	Syracuse	B - Residential	2	67	65	65	65	0	----	65	0	----
2717 Burnet Ave	Syracuse	B - Residential	2	67	67	66	**67**	0	**Impact**	**67**	0	**Impact**
2720 Burnet Ave	Syracuse	B - Residential	1	67	72	72	**72**	0	**Impact**	**72**	0	**Impact**
2723 Burnet Ave	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
2801 Burnet Ave	Syracuse	B - Residential	2	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
2807 Burnet Ave	Syracuse	B - Residential	2	67	63	63	63	0	----	63	0	----
2817 Burnet Ave	Syracuse	B - Residential	2	67	62	62	62	0	----	62	0	----
2825 Burnet Ave	Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
2907 Burnet Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
2913 Burnet Ave	Syracuse	B - Residential	2	67	60	60	60	0	----	60	0	----
3001 Burnet Ave	Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
3015 Burnet Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
3101 Burnet Ave	Syracuse	B - Residential	2	67	60	60	60	0	----	60	0	----
3113 Burnet Ave	Syracuse	B - Residential	2	67	60	60	60	0	----	61	1	----
3123 Burnet Ave	Syracuse	B - Residential	1	67	59	59	59	0	----	60	1	----
3200 Burnet Ave	Syracuse	C - Medical	1	67	65	65	65	0	----	65	0	----
3201 Burnet Ave	Syracuse	B - Residential	2	67	60	60	60	0	----	61	1	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
3302 Burnet Ave	Syracuse	B - Residential	1	67	66	67	**66**	0	**Impact**	**67**	1	**Impact**
3304 Burnet Ave	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**67**	1	**Impact**
Butternut Creek Trail - 01	De Witt	C - Trail	1	67	64	64	64	0	----	65	1	----
Butternut Creek Trail - 02	De Witt	C - Trail	1	67	66	67	**67**	1	**Impact**	**67**	1	**Impact**
Butternut Creek Trail - 03	De Witt	C - Trail	1	67	72	73	**73**	1	**Impact**	**73**	1	**Impact**
Butternut Creek Trail - 04	De Witt	C - Trail	1	67	71	71	**71**	0	**Impact**	**72**	1	**Impact**
Butternut Creek Trail - 05	De Witt	C - Trail	1	67	70	70	**70**	0	**Impact**	**71**	1	**Impact**
Butternut Creek Trail - 06	De Witt	C - Trail	1	67	62	63	63	1	----	63	1	----
Butternut Creek Trail - 07	De Witt	C - Trail	1	67	61	62	62	1	----	62	1	----
Butternut Creek Trail - 08	De Witt	C - Trail	1	67	65	66	**66**	1	**Impact**	**66**	1	**Impact**
Butternut Creek Trail - 09	De Witt	C - Trail	1	67	72	72	**72**	0	**Impact**	**72**	0	**Impact**
101 Butternut Dr	De Witt	B - Residential	1	67	66	67	**66**	0	**Impact**	**67**	1	**Impact**
103 Butternut Dr	De Witt	B - Residential	1	67	65	65	65	0	----	**66**	1	**Impact**
105 Butternut Dr	De Witt	B - Residential	1	67	64	64	64	0	----	65	1	----
107 Butternut Dr	De Witt	B - Residential	1	67	64	64	65	1	----	**66**	2	**Impact**
109 Butternut Dr	De Witt	B - Residential	1	67	64	64	65	1	----	**66**	2	**Impact**
111 Butternut Dr	De Witt	B - Residential	1	67	64	64	64	0	----	65	1	----
113 Butternut Dr	De Witt	B - Residential	1	67	63	63	63	0	----	65	2	----
115 Butternut Dr	De Witt	B - Residential	1	67	63	63	63	0	----	65	2	----
117 Butternut Dr	De Witt	B - Residential	1	67	63	63	63	0	----	65	2	----
119 Butternut Dr	De Witt	B - Residential	1	67	62	63	63	1	----	64	2	----
121 Butternut Dr	De Witt	B - Residential	1	67	63	63	63	0	----	64	1	----
123 Butternut Dr	De Witt	B - Residential	1	67	63	64	64	1	----	65	2	----
125 Butternut Dr	De Witt	B - Residential	1	67	63	64	64	1	----	65	2	----
129 Butternut Dr	De Witt	B - Residential	1	67	64	65	65	1	----	65	1	----
201 Butternut Dr	De Witt	B - Residential	1	67	65	65	65	0	----	**66**	1	**Impact**
203 Butternut Dr	De Witt	B - Residential	1	67	63	64	64	1	----	64	1	----
205 Butternut Dr	De Witt	B - Residential	1	67	63	63	63	0	----	63	0	----
207 Butternut Dr	De Witt	B - Residential	1	67	63	63	63	0	----	63	0	----
209 Butternut Dr	De Witt	B - Residential	1	67	63	64	64	1	----	64	1	----
211 Butternut Dr	De Witt	B - Residential	1	67	64	64	64	0	----	65	1	----
301 Butternut Dr	De Witt	B - Residential	1	67	64	64	64	0	----	65	1	----
303 Butternut Dr	De Witt	B - Residential	1	67	62	62	62	0	----	63	1	----
305 Butternut Dr	De Witt	B - Residential	1	67	61	61	61	0	----	62	1	----
5400 Butternut Dr	De Witt	C - Park	3	67	72	71	**73**	1	**Impact**	**73**	1	**Impact**
204 Butternut St	Syracuse	C - Places of Worship	1	67	64	64	64	0	----	64	0	----
1200 Canal St	Syracuse	C - Outdoor Seating	1	67	50	50	50	0	----	50	0	----
109 Catawba St	Syracuse	B - Residential	1	67	58	57	59	1	----	58	0	----
202 Catherine St	Syracuse	B - Residential	2	67	65	65	**70**	5	**Impact**	**66**	1	**Impact**
204 Catherine St	Syracuse	B - Residential	1	67	63	64	**67**	4	**Impact**	63	0	----
206 Catherine St	Syracuse	B - Residential	1	67	62	63	**66**	4	**Impact**	63	1	----
211 Catherine St	Syracuse	B - Residential	2	67	60	61	62	2	----	59	-1	----
226 Catherine St	Syracuse	B - Residential	1	67	61	63	63	2	----	62	1	----
303 Catherine St	Syracuse	B - Residential	9	67	60	61	59	-1	----	60	0	----
306 Catherine St	Syracuse	B - Residential	1	67	62	63	62	0	----	62	0	----
308 Catherine St	Syracuse	B - Residential	1	67	62	63	62	0	----	62	0	----
310 Catherine St	Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
7731 Cecilia Rd	Cicero	B - Residential	1	67	56	57	57	1	----	58	2	----
R5	Cicero	B - Residential	1	67	53	54	54	1	----	55	2	----
142 Cedar Heights Dr	De Witt	B - Residential	1	67	59	59	59	0	----	61	2	----
144 Cedar Heights Dr	De Witt	B - Residential	1	67	58	59	59	1	----	60	2	----
146 Cedar Heights Dr	De Witt	B - Residential	1	67	60	61	61	1	----	62	2	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
148 Cedar Heights Dr	De Witt	B - Residential	1	67	60	61	61	1	----	62	2	----
150 Cedar Heights Dr	De Witt	B - Residential	1	67	60	60	61	1	----	62	2	----
220 Champlin Dr	Syracuse	B - Residential	1	67	58	58	58	0	----	58	0	----
224 Champlin Dr	Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
231 Champlin Dr	Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
R111	North Syracuse	B - Residential	5	67	55	55	55	0	----	55	0	----
R112	North Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
R114	North Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
312 Church St	North Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
315 Church St	North Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
316 Church St	North Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
318 Church St	North Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
319 Church St	North Syracuse	B - Residential	1	67	65	64	65	0	----	65	0	----
321 Church St	North Syracuse	B - Residential	1	67	66	65	65	-1	----	65	-1	----
322 Church St	North Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
323 Church St	North Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
324 Church St	North Syracuse	B - Residential	1	67	68	67	**67**	-1	**Impact**	**67**	-1	**Impact**
325 Church St	North Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
326 Church St	North Syracuse	B - Residential	1	67	69	68	**69**	0	**Impact**	**69**	0	**Impact**
401 Church St	North Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
413 Church St	North Syracuse	C - Park	10	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
416 Church St	North Syracuse	B - Residential	1	67	69	69	**69**	0	**Impact**	**69**	0	**Impact**
423 Church St	North Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
424 Church St	North Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
426 Church St	North Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
R190	North Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
R194	North Syracuse	B - Residential	1	67	58	58	58	0	----	58	0	----
R189	North Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
R193	North Syracuse	B - Residential	1	67	57	57	57	0	----	57	0	----
R188	North Syracuse	B - Residential	1	67	59	59	59	0	----	58	-1	----
R187	North Syracuse	B - Residential	1	67	58	57	57	-1	----	57	-1	----
R186	North Syracuse	B - Residential	1	67	57	57	57	0	----	57	0	----
320 Church St (1 of 2)	North Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
R191	North Syracuse	B - Residential	1	67	56	56	56	0	----	56	0	----
R113	North Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
320 Church St (2 of 2)	North Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
R192	North Syracuse	B - Residential	1	67	56	56	56	0	----	56	0	----
134 Circle Rd	Salina	B - Residential	1	67	62	62	63	1	----	63	1	----
136 Circle Rd	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
R164	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
R170	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
R163	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
R169	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
R162	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
R168	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
R161	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
R167	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
R160	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
R166	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
R159	Cicero	B - Residential	1	67	59	59	59	0	----	59	0	----
R165	Cicero	B - Residential	1	67	59	59	59	0	----	59	0	----
119 Clarence Dr	Cicero	B - Residential	1	67	61	61	61	0	----	61	0	----

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
120 Clarence Dr	Cicero	B - Residential	1	67	61	61	61	0	----	61	0	----
121 Clarence Dr	Cicero	B - Residential	1	67	64	64	64	0	----	64	0	----
122 Clarence Dr	Cicero	B - Residential	1	67	62	62	62	0	----	62	0	----
600-04 Colvin St E & Benedict Ave	Syracuse	B - Residential	2	67	61	62	62	1	----	60	-1	----
5700 Commons Park	De Witt	C - Outdoor Seating	2	67	64	65	65	1	----	**66**	2	**Impact**
5710 Commons Park	De Witt	C - Outdoor Seating	3	67	68	69	**69**	1	**Impact**	**70**	2	**Impact**
5730 Commons Park	De Witt	C - Outdoor Seating	2	67	63	64	63	0	----	65	2	----
5740 Commons Park	De Witt	C - Outdoor Seating	2	67	59	60	60	1	----	61	2	----
5750 Commons Park	De Witt	C - Outdoor Seating	2	67	60	61	61	1	----	62	2	----
5720 Commons Park Dr	De Witt	C - Outdoor Seating	2	67	64	65	65	1	----	**66**	2	**Impact**
940 Comstock Ave (1 of 5)	Syracuse	C - Cemetery	12	67	72	72	**70**	-2	**Impact**	63	-9	----
940 Comstock Ave (2 of 5)	Syracuse	C - Cemetery	17	67	71	71	**69**	-2	**Impact**	64	-7	----
940 Comstock Ave (3 of 5)	Syracuse	C - Cemetery	6	67	66	66	**66**	0	**Impact**	61	-5	----
940 Comstock Ave (4 of 5)	Syracuse	C - Cemetery	1	67	64	64	64	0	----	60	-4	----
940 Comstock Ave (5 of 5)	Syracuse	C - Cemetery	7	67	66	66	**66**	0	**Impact**	62	-4	----
940 Comstock Ave (New-06)	Syracuse	C - Cemetery	11	67	63	64	63	0	----	56	-7	----
940 Comstock Ave (New-07)	Syracuse	C - Cemetery	16	67	61	61	60	-1	----	55	-6	----
940 Comstock Ave (New-08)	Syracuse	C - Cemetery	6	67	61	61	61	0	----	56	-5	----
940 Comstock Ave (New-09)	Syracuse	C - Cemetery	2	67	63	63	63	0	----	58	-5	----
940 Comstock Ave (New-10)	Syracuse	C - Cemetery	4	67	68	69	**69**	1	**Impact**	65	-3	----
940 Comstock Ave (New-11)	Syracuse	C - Cemetery	4	67	65	65	65	0	----	62	-3	----
940 Comstock Ave (New-12)	Syracuse	C - Cemetery	4	67	64	64	64	0	----	60	-4	----
940 Comstock Ave (New-13)	Syracuse	C - Cemetery	4	67	61	61	62	1	----	59	-2	----
108 Cora Ave	Cicero	B - Residential	1	67	54	54	55	1	----	55	1	----
109 Cora Ave	Cicero	B - Residential	1	67	55	55	55	0	----	55	0	----
110 Cora Ave	Cicero	B - Residential	1	67	55	55	55	0	----	55	0	----
111 Cora Ave	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
112 Cora Ave	Cicero	B - Residential	1	67	55	55	55	0	----	55	0	----
113 Cora Ave	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
114 Cora Ave	Cicero	B - Residential	1	67	56	56	56	0	----	57	1	----
115 Cora Ave	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
117 Cora Ave	Cicero	B - Residential	1	67	59	60	60	1	----	60	1	----
119 Cora Ave	Cicero	B - Residential	1	67	59	60	60	1	----	60	1	----
121 Cora Ave	Cicero	B - Residential	1	67	58	59	59	1	----	59	1	----
123 Cora Ave	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
125 Cora Ave	Cicero	B - Residential	1	67	56	57	57	1	----	57	1	----
Cottage Perim 1	De Witt	B - Residential	1	67	51	53	52	1	----	53	2	----
Cottage Perim 2	De Witt	B - Residential	1	67	50	52	52	2	----	53	3	----
Cottage Perim 3	De Witt	B - Residential	1	67	51	52	52	1	----	53	2	----
146 Court St	Syracuse	B - Residential	1	67	69	69	**71**	2	**Impact**	**69**	0	**Impact**
154 Court St	Syracuse	B - Residential	1	67	67	67	**68**	1	**Impact**	**66**	-1	**Impact**
158 Court St	Syracuse	B - Residential	1	67	66	66	**67**	1	**Impact**	65	-1	----
159 Court St	Syracuse	B - Residential	2	67	62	62	63	1	----	61	-1	----
163 Court St	Syracuse	B - Residential	1	67	61	61	62	1	----	60	-1	----
164 Court St	Syracuse	B - Residential	1	67	66	66	**67**	1	**Impact**	65	-1	----
166 Court St	Syracuse	B - Residential	1	67	66	66	**67**	1	**Impact**	65	-1	----
167 Court St	Syracuse	B - Residential	1	67	61	61	62	1	----	60	-1	----
171 Court St	Syracuse	B - Residential	2	67	67	67	**68**	1	**Impact**	**66**	-1	**Impact**
101 Craig Cir	De Witt	B - Residential	1	67	59	59	59	0	----	60	1	----
R22	Cicero	B - Residential	1	67	53	53	53	0	----	53	0	----
6112 Crestview Dr	Cicero	B - Residential	1	67	54	54	54	0	----	54	0	----
R23	Cicero	B - Residential	1	67	52	53	53	1	----	53	1	----

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

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R25	Cicero	B - Residential	1	67	54	54	55	1	----	55	1	----
R26	Cicero	B - Residential	1	67	54	54	54	0	----	54	0	----
R24	Cicero	B - Residential	1	67	51	51	51	0	----	52	1	----
R27	Cicero	B - Residential	1	67	53	53	54	1	----	54	1	----
R28	Cicero	B - Residential	1	67	53	53	53	0	----	53	0	----
R29	Cicero	B - Residential	1	67	52	52	53	1	----	53	1	----
R30	Cicero	B - Residential	1	67	51	52	52	1	----	52	1	----
R31	Cicero	B - Residential	1	67	51	51	52	1	----	52	1	----
R32	Cicero	B - Residential	1	67	51	51	51	0	----	51	0	----
R33	Cicero	B - Residential	1	67	50	51	51	1	----	51	1	----
R34	Cicero	B - Residential	1	67	50	50	51	1	----	51	1	----
R35	Cicero	B - Residential	1	67	50	50	50	0	----	51	1	----
R36	Cicero	B - Residential	1	67	50	50	50	0	----	50	0	----
R37	Cicero	B - Residential	1	67	49	50	50	1	----	50	1	----
R38	Cicero	B - Residential	1	67	49	50	50	1	----	50	1	----
R39	Cicero	B - Residential	1	67	49	49	50	1	----	50	1	----
R40	Cicero	B - Residential	1	67	49	49	50	1	----	50	1	----
R41	Cicero	B - Residential	1	67	49	49	50	1	----	50	1	----
R42	Cicero	B - Residential	1	67	49	49	50	1	----	50	1	----
R43	Cicero	B - Residential	1	67	49	50	50	1	----	50	1	----
R44	Cicero	B - Residential	1	67	49	50	50	1	----	50	1	----
R45	Cicero	B - Residential	1	67	50	50	51	1	----	51	1	----
201 Danforth St	Syracuse	B - Residential	2	67	66	65	65	-1	----	64	-2	----
205 Danforth St	Syracuse	B - Residential	1	67	64	64	64	0	----	63	-1	----
209 Danforth St	Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
213 Danforth St	Syracuse	B - Residential	1	67	65	65	64	-1	----	64	-1	----
217 Danforth St	Syracuse	B - Residential	1	67	68	67	**66**	-2	**Impact**	**67**	-1	**Impact**
5858 Deer Springs Rd	Cicero	B - Residential	1	67	58	58	58	0	----	60	2	----
5860 Deer Springs Rd	Cicero	B - Residential	1	67	59	59	59	0	----	60	1	----
R4	Cicero	B - Residential	1	67	53	53	54	1	----	55	2	----
R3	Cicero	B - Residential	1	67	54	54	54	0	----	55	1	----
R2	Cicero	B - Residential	1	67	54	54	54	0	----	55	1	----
R1	Cicero	B - Residential	1	67	53	54	54	1	----	54	1	----
102 Dewey Ave	De Witt	B - Residential	1	67	68	69	**68**	0	**Impact**	**68**	0	**Impact**
104 Dewey Ave	De Witt	B - Residential	1	67	64	65	64	0	----	64	0	----
110 Dewey Ave	De Witt	B - Residential	1	67	61	62	62	1	----	62	1	----
112 Dewey Ave	De Witt	B - Residential	1	67	61	61	61	0	----	62	1	----
114 Dewey Ave	De Witt	B - Residential	1	67	61	62	61	0	----	62	1	----
116 Dewey Ave	De Witt	B - Residential	1	67	61	61	61	0	----	62	1	----
118 Dewey Ave	De Witt	B - Residential	1	67	60	61	61	1	----	62	2	----
120 Dewey Ave	De Witt	B - Residential	1	67	60	61	61	1	----	61	1	----
200 Dexter Ave	Salina	B - Residential	2	67	56	56	56	0	----	56	0	----
202 Dexter Ave	Salina	B - Residential	1	67	56	56	56	0	----	56	0	----
203 Dexter Ave	Salina	B - Residential	1	67	54	54	54	0	----	54	0	----
204 Dexter Ave	Salina	B - Residential	1	67	56	57	57	1	----	57	1	----
205 Dexter Ave	Salina	B - Residential	1	67	55	55	55	0	----	55	0	----
206 Dexter Ave	Salina	B - Residential	1	67	57	58	58	1	----	57	0	----
208 Dexter Ave	Salina	B - Residential	2	67	60	60	60	0	----	60	0	----
209 Dexter Ave	Salina	B - Residential	1	67	56	56	56	0	----	56	0	----
210 Dexter Ave	Salina	B - Residential	1	67	63	63	63	0	----	63	0	----
211 Dexter Ave	Salina	B - Residential	1	67	58	58	58	0	----	58	0	----
215 Dexter Ave	Salina	B - Residential	2	67	61	61	61	0	----	61	0	----

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100 Dougall Ave	Syracuse	B - Residential	1	67	70	71	**71**	1	**Impact**	**66**	-4	**Impact**
102 Dougall Ave	Syracuse	B - Residential	2	67	70	71	**71**	1	**Impact**	**66**	-4	**Impact**
106 Dougall Ave	Syracuse	B - Residential	1	67	71	71	**71**	0	**Impact**	**67**	-4	**Impact**
110 Dougall Ave	Syracuse	B - Residential	1	67	70	70	**71**	1	**Impact**	**66**	-4	**Impact**
1 Drovers Ln	De Witt	B - Residential	1	67	65	66	**66**	1	**Impact**	**66**	1	**Impact**
4 Drovers Ln	De Witt	B - Residential	1	67	60	60	60	0	----	61	1	----
5 Drovers Ln	De Witt	B - Residential	1	67	59	59	60	1	----	60	1	----
258 E Adams St	Syracuse	C - School	2	67	65	66	**66**	1	**Impact**	**66**	1	**Impact**
507 E Adams St	Syracuse	B - Residential	5	67	60	61	63	3	----	58	-2	----
623 E Adams St	Syracuse	C - Hospital	2	67	68	68	**68**	0	**Impact**	65	-3	----
705 E Adams St	Syracuse	C - Hospital	2	67	74	74	**75**	1	**Impact**	**72**	-2	**Impact**
1011 E Adams St	Syracuse	B - Residential	3	67	47	49	48	1	----	48	1	----
109 E Brighton Ave	Syracuse	B - Residential	1	67	64	65	64	0	----	63	-1	----
112 E Brighton Ave	Syracuse	B - Residential	2	67	66	66	65	-1	----	63	-3	----
113 E Brighton Ave	Syracuse	B - Residential	2	67	64	65	64	0	----	63	-1	----
117 E Brighton Ave	Syracuse	B - Residential	3	67	64	65	64	0	----	63	-1	----
118 E Brighton Ave	Syracuse	B - Residential	2	67	65	65	65	0	----	63	-2	----
121 E Brighton Ave	Syracuse	B - Residential	3	67	64	65	64	0	----	63	-1	----
122 E Brighton Ave	Syracuse	B - Residential	2	67	66	66	65	-1	----	63	-3	----
125 E Brighton Ave	Syracuse	B - Residential	2	67	64	65	64	0	----	62	-2	----
126 E Brighton Ave	Syracuse	B - Residential	2	67	66	66	65	-1	----	63	-3	----
129 E Brighton Ave	Syracuse	B - Residential	2	67	65	65	65	0	----	63	-2	----
130 E Brighton Ave	Syracuse	B - Residential	2	67	67	67	**66**	-1	**Impact**	64	-3	----
133 E Brighton Ave	Syracuse	B - Residential	2	67	65	65	65	0	----	63	-2	----
134 E Brighton Ave	Syracuse	B - Residential	2	67	68	68	**68**	0	**Impact**	65	-3	----
137 E Brighton Ave	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	63	-3	----
138 E Brighton Ave	Syracuse	B - Residential	2	67	71	71	**70**	-1	**Impact**	**68**	-3	**Impact**
143 E Brighton Ave	Syracuse	B - Residential	1	67	68	68	**67**	-1	**Impact**	65	-3	----
145 E Brighton Ave	Syracuse	B - Residential	1	67	70	70	**70**	0	**Impact**	**66**	-4	**Impact**
302 E Brighton Ave	Syracuse	B - Residential	1	67	65	65	64	-1	----	62	-3	----
308 E Brighton Ave	Syracuse	B - Residential	1	67	64	64	64	0	----	61	-3	----
312 E Brighton Ave	Syracuse	B - Residential	1	67	63	64	63	0	----	60	-3	----
322 E Brighton Ave	Syracuse	B - Residential	2	67	65	65	**66**	1	**Impact**	62	-3	----
329 E Brighton Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	64	-1	----
336 E Brighton Ave	Syracuse	B - Residential	1	67	67	67	**68**	1	**Impact**	64	-3	----
348 E Brighton Ave	Syracuse	B - Residential	1	67	69	69	**69**	0	**Impact**	**66**	-3	**Impact**
352 E Brighton Ave	Syracuse	B - Residential	1	67	69	69	**70**	1	**Impact**	**66**	-3	**Impact**
366 E Brighton Ave	Syracuse	B - Residential	2	67	67	68	**68**	1	**Impact**	65	-2	----
370 E Brighton Ave	Syracuse	B - Residential	2	67	66	67	**67**	1	**Impact**	63	-3	----
374 E Brighton Ave	Syracuse	B - Residential	1	67	67	68	**68**	1	**Impact**	64	-3	----
408 E Brighton Ave	Syracuse	B - Residential	1	67	64	65	**66**	2	**Impact**	62	-2	----
412 E Brighton Ave	Syracuse	B - Residential	1	67	58	58	60	2	----	58	0	----
414 E Brighton Ave	Syracuse	B - Residential	1	67	58	58	60	2	----	58	0	----
821 E Brighton Ave	Syracuse	B - Residential	10	67	59	59	60	1	----	58	-1	----
900 E Brighton Ave	Syracuse	B - Residential	1	67	62	61	61	-1	----	60	-2	----
930 E Brighton Ave	Syracuse	B - Residential	1	67	59	60	60	1	----	57	-2	----
934 E Brighton Ave	Syracuse	B - Residential	1	67	59	59	59	0	----	57	-2	----
944 E Brighton Ave	Syracuse	B - Residential	1	67	58	58	58	0	----	56	-2	----
320 E Castle St	Syracuse	B - Residential	2	67	68	69	65	-3	----	**66**	-2	**Impact**
408 E Castle St	Syracuse	B - Residential	2	67	70	71	**68**	-2	**Impact**	60	-10	----
225 E Colvin St	Syracuse	B - Residential	1	67	64	64	65	1	----	64	0	----
228 E Colvin St	Syracuse	B - Residential	1	67	65	65	**66**	1	**Impact**	65	0	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
230 E Colvin St	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	65	-1	----
236 E Colvin St	Syracuse	B - Residential	1	67	65	66	**66**	1	**Impact**	65	0	----
240 E Colvin St	Syracuse	B - Residential	1	67	65	66	**66**	1	**Impact**	65	0	----
244 E Colvin St	Syracuse	B - Residential	1	67	65	66	**66**	1	**Impact**	64	-1	----
246 E Colvin St	Syracuse	B - Residential	1	67	65	65	**66**	1	**Impact**	64	-1	----
304 E Colvin St	Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	65	-2	----
308 E Colvin St	Syracuse	B - Residential	1	67	68	68	**69**	1	**Impact**	65	-3	----
310 E Colvin St	Syracuse	B - Residential	1	67	70	71	**71**	1	**Impact**	**67**	-3	**Impact**
317 E Colvin St	Syracuse	B - Residential	1	67	68	68	**68**	0	**Impact**	**66**	-2	**Impact**
426 E Colvin St	Syracuse	B - Residential	1	67	71	71	**71**	0	**Impact**	**66**	-5	**Impact**
428 E Colvin St	Syracuse	B - Residential	1	67	68	69	**69**	1	**Impact**	65	-3	----
502 E Colvin St	Syracuse	B - Residential	1	67	67	68	**68**	1	**Impact**	64	-3	----
504 E Colvin St	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	63	-3	----
508 E Colvin St	Syracuse	B - Residential	1	67	65	66	**66**	1	**Impact**	63	-2	----
512 E Colvin St	Syracuse	B - Residential	1	67	64	65	65	1	----	62	-2	----
518 E Colvin St	Syracuse	B - Residential	1	67	62	62	63	1	----	59	-3	----
116 E Corning Ave	Syracuse	B - Residential	1	67	64	65	65	1	----	61	-3	----
119 E Corning Ave	Syracuse	B - Residential	1	67	64	64	64	0	----	60	-4	----
120 E Corning Ave	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	62	-4	----
123 E Corning Ave	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	62	-4	----
420 E Fayette St	Syracuse	C - Park	4	67	64	65	**66**	2	**Impact**	**69**	5	**Impact**
447 E Fayette St	Syracuse	C - Outdoor Seating	2	67	62	63	64	2	----	65	3	----
511 E Fayette St	Syracuse	C - Educational	1	67	61	62	**68**	7	**Impact**	61	0	----
712 E Fayette St	Syracuse	B - Planned Residential	3	67	61	62	61	0	----	60	-1	----
713 E Fayette St	Syracuse	C - Outdoor Dining	1	67	62	63	62	0	----	62	0	----
822 E Fayette St	Syracuse	C - Outside Sitting Area	4	67	60	60	60	0	----	**68**	8	**Impact**
900 E Fayette St	Syracuse	B - Residential	5	67	55	54	55	0	----	60	5	----
1031 E Fayette St	Syracuse	B - Residential	3	67	53	54	55	2	----	56	3	----
500 E Genesee St	Syracuse	C - Park	1	67	62	62	64	2	----	65	3	----
701 E Genesee St	Syracuse	C - Park	4	67	69	69	**70**	1	**Impact**	**67**	-2	**Impact**
721 E Genesee St	Syracuse	C - Park	4	67	67	67	**66**	-1	**Impact**	64	-3	----
800 E Genesee St	Syracuse	C - Educational	10	67	49	50	50	1	----	48	-1	----
820 E Genesee St	Syracuse	C - Auditorium	1	67	66	67	65	-1	----	**69**	3	**Impact**
945 E Genesee St	Syracuse	C - Medical	2	67	59	59	60	1	----	63	4	----
1000 E Genesee St	Syracuse	C - Medical	1	67	61	62	63	2	----	64	3	----
1030 E Genesee St	Syracuse	B - Residential	10	67	59	59	59	0	----	59	0	----
1055 E Genesee St	Syracuse	B - Residential	5	67	56	56	56	0	----	56	0	----
1060 E Genesee St	Syracuse	C - Outdoor Seating	5	67	62	62	60	-2	----	61	-1	----
1073 E Genesee St	Syracuse	C - Church	2	67	61	64	62	1	----	63	2	----
1100 E Genesee St	Syracuse	B - Planned Residential	2	67	61	62	61	0	----	62	1	----
1104 E Genesee St	Syracuse	C - Medical	1	67	60	60	60	0	----	60	0	----
1105 E Genesee St	Syracuse	B - Residential	3	67	63	64	63	0	----	64	1	----
1111 E Genesee St	Syracuse	B - Residential	2	67	62	62	62	0	----	63	1	----
1027 E Genesee St (1 of 2)	Syracuse	B - Residential	1	67	60	60	61	1	----	61	1	----
1027 E Genesee St (2 of 2)	Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
413 E Glen Ave	Syracuse	B - Residential	5	67	61	61	61	0	----	58	-3	----
416 E Glen Ave -1	Syracuse	C - Medical	2	67	51	51	51	0	----	49	-2	----
416 E Glen Ave -2	Syracuse	B - Residential and Medical	5	67	62	63	63	1	----	59	-3	----
237 E Kennedy St	Syracuse	B - Residential	1	67	65	65	64	-1	----	63	-2	----
304 E Kennedy St	Syracuse	B - Residential	1	67	63	63	62	-1	----	58	-5	----
306 E Kennedy St	Syracuse	B - Residential	1	67	64	64	63	-1	----	59	-5	----
308 E Kennedy St	Syracuse	B - Residential	1	67	65	66	65	0	----	60	-5	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
312 E Kennedy St	Syracuse	B - Residential	2	67	70	70	**68**	-2	**Impact**	65	-5	----
313 E Kennedy St	Syracuse	B - Residential	2	67	70	71	**69**	-1	**Impact**	64	-6	----
114 E Lafayette Ave	Syracuse	B - Residential	2	67	62	62	63	1	----	59	-3	----
117 E Lafayette Ave	Syracuse	B - Residential	1	67	60	61	61	1	----	57	-3	----
120 E Lafayette Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	59	-4	----
121 E Lafayette Ave	Syracuse	B - Residential	1	67	61	61	62	1	----	58	-3	----
122 E Lafayette Ave	Syracuse	B - Residential	2	67	64	64	64	0	----	60	-4	----
123 E Lafayette Ave	Syracuse	B - Residential	2	67	62	63	63	1	----	59	-3	----
127 E Lafayette Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	61	-4	----
128 E Lafayette Ave	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	62	-4	----
131 E Lafayette Ave	Syracuse	B - Residential	2	67	67	67	**67**	0	**Impact**	62	-5	----
104 E Laurel St	Syracuse	B - Residential	2	67	63	63	63	0	----	63	0	----
119 E Matson Ave	Syracuse	B - Residential	1	67	57	58	58	1	----	55	-2	----
123 E Matson Ave	Syracuse	B - Residential	1	67	56	57	57	1	----	54	-2	----
124 E Matson Ave	Syracuse	B - Residential	1	67	57	57	57	0	----	55	-2	----
127 E Matson Ave	Syracuse	B - Residential	1	67	56	56	57	1	----	54	-2	----
128 E Matson Ave	Syracuse	B - Residential	1	67	56	57	57	1	----	55	-1	----
131 E Matson Ave	Syracuse	B - Residential	2	67	56	56	57	1	----	54	-2	----
134 E Matson Ave	Syracuse	B - Residential	1	67	57	57	57	0	----	54	-3	----
135 E Matson Ave	Syracuse	B - Residential	1	67	56	57	57	1	----	54	-2	----
138 E Matson Ave	Syracuse	B - Residential	1	67	56	57	57	1	----	54	-2	----
139 E Matson Ave	Syracuse	B - Residential	1	67	57	57	57	0	----	54	-3	----
142 E Matson Ave	Syracuse	B - Residential	1	67	57	57	57	0	----	54	-3	----
143 E Matson Ave	Syracuse	B - Residential	1	67	57	58	57	0	----	54	-3	----
144 E Matson Ave	Syracuse	B - Residential	1	67	57	57	57	0	----	54	-3	----
147 E Matson Ave	Syracuse	B - Residential	1	67	57	57	56	-1	----	53	-4	----
148 E Matson Ave	Syracuse	B - Residential	1	67	57	57	57	0	----	54	-3	----
151 E Matson Ave	Syracuse	B - Residential	1	67	56	56	56	0	----	53	-3	----
156 E Matson Ave	Syracuse	B - Residential	1	67	56	56	56	0	----	53	-3	----
101 E Newell St	Syracuse	B - Residential	2	67	67	67	**67**	0	**Impact**	63	-4	----
102 E Newell St	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	63	-3	----
338 E Onondaga St	Syracuse	C - Place of Worship	1	67	59	56	55	-4	----	56	-3	----
345 E Onondaga St	Syracuse	C - Outdoor Seating	3	67	61	61	61	0	----	62	1	----
100 E Ostrander Ave	Syracuse	B - Residential	1	67	59	60	60	1	----	57	-2	----
101 E Ostrander Ave	Syracuse	B - Residential	2	67	60	60	60	0	----	57	-3	----
102 E Ostrander Ave	Syracuse	B - Residential	1	67	59	60	60	1	----	57	-2	----
103 E Ostrander Ave	Syracuse	B - Residential	1	67	59	59	59	0	----	56	-3	----
104 E Ostrander Ave	Syracuse	B - Residential	1	67	59	60	60	1	----	57	-2	----
105 E Ostrander Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	57	-3	----
106 E Ostrander Ave	Syracuse	B - Residential	1	67	60	61	61	1	----	58	-2	----
107 E Ostrander Ave	Syracuse	B - Residential	1	67	61	61	61	0	----	58	-3	----
108 E Ostrander Ave	Syracuse	B - Residential	1	67	61	61	61	0	----	58	-3	----
110 E Ostrander Ave	Syracuse	B - Residential	1	67	61	61	62	1	----	58	-3	----
111 E Ostrander Ave	Syracuse	B - Residential	1	67	62	62	63	1	----	59	-3	----
112 E Ostrander Ave	Syracuse	B - Residential	1	67	61	61	61	0	----	57	-4	----
409 E Raynor Ave	Syracuse	B - Residential	1	67	60	60	58	-2	----	58	-2	----
411 E Raynor Ave	Syracuse	B - Residential	1	67	60	60	58	-2	----	57	-3	----
413 E Raynor Ave	Syracuse	B - Residential	1	67	62	63	60	-2	----	56	-6	----
416 E Raynor Ave (Site 1 of 2)	Syracuse	C - School	5	67	63	63	60	-3	----	56	-7	----
416 E Raynor Ave (Site 2 of 2)	Syracuse	C - School	5	67	54	54	51	-3	----	44	-10	----
345 E Seneca Tpke	Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
352 E Seneca Tpke	Syracuse	B - Residential	1	67	56	57	56	0	----	56	0	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
355 E Seneca Tpke	Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
359 E Seneca Tpke	Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
365 E Seneca Tpke	Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
369 E Seneca Tpke	Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
382 E Seneca Tpke	Syracuse	B - Residential	1	67	59	60	58	-1	----	58	-1	----
390 E Seneca Tpke	Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	**68**	1	**Impact**
401 E Seneca Tpke	Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
468 E Seneca Tpke	Syracuse	B - Residential	1	67	70	70	**69**	-1	**Impact**	**69**	-1	**Impact**
470 E Seneca Tpke	Syracuse	B - Residential	1	67	68	68	**68**	0	**Impact**	**68**	0	**Impact**
474 E Seneca Tpke	Syracuse	B - Residential	1	67	67	67	**68**	1	**Impact**	**66**	-1	**Impact**
485 E Seneca Tpke	Syracuse	B - Residential	1	67	68	69	**69**	1	**Impact**	**67**	-1	**Impact**
491 E Seneca Tpke	Syracuse	B - Residential	1	67	67	67	**68**	1	**Impact**	**66**	-1	**Impact**
495 E Seneca Tpke	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	**66**	0	**Impact**
502 E Seneca Tpke	Syracuse	B - Residential	1	67	65	65	**66**	1	**Impact**	65	0	----
505 E Seneca Tpke	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
509 E Seneca Tpke	Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
511 E Seneca Tpke	Syracuse	B - Residential	1	67	61	61	61	0	----	60	-1	----
516 E Seneca Tpke	Syracuse	B - Residential	2	67	65	65	**66**	1	**Impact**	**66**	1	**Impact**
6830 E Taft Rd	De Witt	B - Residential	1	67	63	63	63	0	----	64	1	----
6841 E Taft Rd	Cicero	B - Residential	1	67	68	68	**68**	0	**Impact**	**68**	0	**Impact**
6873 E Taft Rd	Cicero	B - Residential	1	67	66	66	**66**	0	**Impact**	**67**	1	**Impact**
6876 E Taft Rd	De Witt	B - Residential	1	67	62	62	62	0	----	63	1	----
6877 E Taft Rd	Cicero	B - Residential	1	67	67	68	**68**	1	**Impact**	**68**	1	**Impact**
6886 E Taft Rd	De Witt	B - Residential	1	67	61	62	62	1	----	62	1	----
6893 E Taft Rd	Cicero	B - Residential	1	67	65	65	**66**	1	**Impact**	**66**	1	**Impact**
6903 E Taft Rd	Cicero	B - Residential	1	67	60	61	61	1	----	61	1	----
6874 E Taft Rd (1 of 2)	De Witt	B - Residential	1	67	64	64	64	0	----	65	1	----
6874 E Taft Rd (2 of 2)	De Witt	B - Residential	1	67	63	63	63	0	----	64	1	----
500 E Taylor St	Syracuse	C - Park	10	67	66	66	**69**	3	**Impact**	**69**	3	**Impact**
301 E Taylor St (1 of 3)	Syracuse	B - Residential	6	67	61	61	62	1	----	62	1	----
301 E Taylor St (2 of 3)	Syracuse	B - Residential	3	67	60	62	63	3	----	61	1	----
301 E Taylor St (3 of 3)	Syracuse	B - Residential	3	67	61	64	65	4	----	60	-1	----
233 E Washington St	Syracuse	C - Outdoor Gathering Area	1	67	62	64	63	1	----	63	1	----
300 E Washington St	Syracuse	B - Planned Residential	2	67	60	61	61	1	----	61	1	----
301 E Washington St	Syracuse	C - Picnic Area	2	67	62	63	63	1	----	64	2	----
501 E Washington St	Syracuse	C - Outdoor Seating	1	67	65	65	**67**	2	**Impact**	**66**	1	**Impact**
727 E Washington St	Syracuse	C - School	2	67	65	66	**67**	2	**Impact**	65	0	----
1010 E Washington St	Syracuse	B - Residential	1	67	55	56	58	3	----	60	5	----
1104 E Washington St	Syracuse	C - Outdoor Sports	2	67	56	58	59	3	----	60	4	----
100 E Water St	Syracuse	C - Outdoor Public Space	6	67	59	61	60	1	----	60	1	----
101 E Water St	Syracuse	C - Outdoor Seating	3	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
103 E Water St	Syracuse	C - Park	5	67	69	69	**69**	0	**Impact**	**69**	0	**Impact**
135 E Water St	Syracuse	C - Outdoor Dining	1	67	63	64	62	-1	----	63	0	----
139 E Water St	Syracuse	C - Outdoor Dining	1	67	65	68	65	0	----	**69**	4	**Impact**
207 E Water St	Syracuse	C - Outdoor Dining	1	67	60	63	61	1	----	60	0	----
257 E Water St	Syracuse	C - Outdoor Dining	1	67	67	68	**68**	1	**Impact**	**68**	1	**Impact**
301 E Water St	Syracuse	C - Outdoor Dining	1	67	66	67	**67**	1	**Impact**	**67**	1	**Impact**
311 E Water St	Syracuse	C - Outdoor Seating	2	67	61	62	63	2	----	61	0	----
627 E Water St	Syracuse	C - Outdoor Seating	4	67	68	69	**74**	6	**Impact**	0	NA	Inactive
820 E Water St	Syracuse	B - Residential	1	67	55	55	58	3	----	0	NA	Inactive
870 E Water St	Syracuse	B - Residential	1	67	57	57	59	2	----	62	5	----
1100 E Water St	Syracuse	C - Outdoor Sports	4	67	60	56	60	0	----	61	1	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
1101 E Water St	Syracuse	C - Parks	2	67	66	66	**67**	1	**Impact**	**68**	2	**Impact**
1201 E Water St	Syracuse	C - Park	3	67	65	64	64	-1	----	63	-2	----
1301 E Water St	Syracuse	C - Park	1	67	65	65	64	-1	----	64	-1	----
1000 E Water St (1 of 4)	Syracuse	B - Residential	1	67	63	64	64	1	----	64	1	----
1000 E Water St (2 of 4)	Syracuse	B - Residential	1	67	59	56	57	-2	----	59	0	----
1000 E Water St (3 of 4)	Syracuse	B - Residential	1	67	56	57	59	3	----	62	6	**Impact**
1000 E Water St (4 of 4)	Syracuse	B - Residential	1	67	59	60	61	2	----	64	5	----
301 E Willow St	Syracuse	C - Picnic Area	1	67	57	58	58	1	----	57	0	----
601 East Genesee St	Syracuse	C - Benches	1	67	65	67	**72**	7	**Impact**	61	-4	----
7178 Eastman Rd	Cicero	B - Residential	1	67	58	59	59	1	----	60	2	----
7182 Eastman Rd	Cicero	B - Residential	1	67	58	58	59	1	----	59	1	----
7183 Eastman Rd	Cicero	B - Residential	2	67	57	57	58	1	----	58	1	----
7187 Eastman Rd	Cicero	B - Residential	1	67	56	56	57	1	----	57	1	----
7192 Eastman Rd	Cicero	B - Residential	1	67	57	58	58	1	----	58	1	----
7193 Eastman Rd	Cicero	B - Residential	1	67	56	56	56	0	----	57	1	----
7198 Eastman Rd	Cicero	B - Residential	1	67	57	57	58	1	----	58	1	----
7207 Eastman Rd	Cicero	B - Residential	1	67	56	56	57	1	----	57	1	----
7212 Eastman Rd	Cicero	B - Residential	1	67	58	58	58	0	----	59	1	----
7218 Eastman Rd	Cicero	B - Residential	1	67	59	59	59	0	----	60	1	----
7224 Eastman Rd	Cicero	B - Residential	1	67	59	60	60	1	----	61	2	----
7170 Eastman Rd (1 of 2)	Cicero	B - Residential	1	67	58	58	59	1	----	60	2	----
7170 Eastman Rd (2 of 2)	Cicero	B - Residential	1	67	59	59	59	0	----	60	1	----
EC Park 1 5380 Butternut Dr	De Witt	C - Park	3	67	67	67	**67**	0	**Impact**	**68**	1	**Impact**
EC Park 2 5380 Butternut Dr	De Witt	C - Park	1	67	64	63	64	0	----	65	1	----
255 Edison St	Syracuse	B - Residential	2	67	67	66	**67**	0	**Impact**	**67**	0	**Impact**
259 Edison St	Syracuse	B - Residential	1	67	67	67	**68**	1	**Impact**	**67**	0	**Impact**
263 Edison St	Syracuse	B - Residential	1	67	67	67	**68**	1	**Impact**	**68**	1	**Impact**
100 Edwards Dr	De Witt	B - Residential	1	67	61	61	61	0	----	61	0	----
107 Edwards Dr	De Witt	B - Residential	1	67	58	59	59	1	----	59	1	----
100 Elizabeth Blackwell St	Syracuse	C - Medical	1	67	63	64	64	1	----	65	2	----
105 Elizabeth Blackwell St	Syracuse	B - Residential	10	67	63	64	64	1	----	65	2	----
175 Elizabeth Blackwell St	Syracuse	C - School	4	67	59	59	59	0	----	59	0	----
111 Elizabeth St	Syracuse	B - Residential	1	67	62	62	62	0	----	60	-2	----
202 Elizabeth St	Syracuse	B - Residential	1	67	63	63	63	0	----	59	-4	----
206 Elizabeth St	Syracuse	B - Residential	1	67	64	64	64	0	----	60	-4	----
211 Elizabeth St	Syracuse	B - Residential	2	67	64	65	65	1	----	60	-4	----
212 Elizabeth St	Syracuse	B - Residential	1	67	65	66	**66**	1	**Impact**	62	-3	----
215 Elizabeth St	Syracuse	B - Residential	2	67	65	66	**66**	1	**Impact**	61	-4	----
219 Elizabeth St	Syracuse	B - Residential	2	67	67	67	**67**	0	**Impact**	62	-5	----
223 Elizabeth St	Syracuse	B - Residential	1	67	69	70	**70**	1	**Impact**	64	-5	----
204 Elk St	Syracuse	B - Residential	1	67	64	64	64	0	----	63	-1	----
205 Elk St	Syracuse	B - Residential	1	67	62	62	63	1	----	61	-1	----
206 Elk St	Syracuse	B - Residential	1	67	63	64	64	1	----	63	0	----
207 Elk St	Syracuse	B - Residential	1	67	62	62	62	0	----	61	-1	----
208 Elk St	Syracuse	B - Residential	1	67	63	64	64	1	----	63	0	----
209 Elk St	Syracuse	B - Residential	1	67	62	62	62	0	----	61	-1	----
210 Elk St	Syracuse	B - Residential	1	67	63	63	64	1	----	62	-1	----
211 Elk St	Syracuse	B - Residential	2	67	62	63	63	1	----	61	-1	----
212 Elk St	Syracuse	B - Residential	1	67	63	64	64	1	----	62	-1	----
213 Elk St	Syracuse	B - Residential	1	67	63	63	63	0	----	61	-2	----
214 Elk St	Syracuse	B - Residential	1	67	64	64	64	0	----	63	-1	----
215 Elk St	Syracuse	B - Residential	1	67	64	64	64	0	----	62	-2	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
218 Elk St	Syracuse	B - Residential	2	67	65	65	65	0	----	63	-2	----
222 Elk St	Syracuse	B - Residential	1	67	64	64	64	0	----	62	-2	----
228 Elk St	Syracuse	B - Residential	2	67	65	65	65	0	----	62	-3	----
232 Elk St	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	63	-3	----
236 Elk St	Syracuse	B - Residential	2	67	68	68	**68**	0	**Impact**	64	-4	----
305 Elm St	Syracuse	B - Residential	3	67	61	61	61	0	----	61	0	----
308 Elm St	Syracuse	B - Residential	4	67	58	58	59	1	----	59	1	----
311 Elm St	Syracuse	B - Residential	2	67	59	59	60	1	----	60	1	----
313 Elm St	Syracuse	B - Residential	3	67	58	58	59	1	----	59	1	----
315 Elm St	Syracuse	B - Residential	2	67	58	58	58	0	----	58	0	----
2 Ely Dr	De Witt	B - Residential	1	67	62	62	62	0	----	62	0	----
5705 Enterprise Pkwy	De Witt	C - Picnic Area	1	67	62	63	62	0	----	63	1	----
5717 Enterprise Pkwy	De Witt	C - Picnic Area	1	67	57	58	57	0	----	58	1	----
240 Erickson St	Syracuse	B - Residential	1	67	60	60	60	0	----	61	1	----
301 Erie Blvd E	Syracuse	C - Park	1	67	68	69	**70**	2	**Impact**	**68**	0	**Impact**
815 Erie Blvd E	Syracuse	C - Television Studio	2	67	64	65	63	-1	----	**70**	6	**Impact**
910 Erie Blvd E	Syracuse	C - Medical	2	67	62	62	61	-1	----	**71**	9	**Impact**
1101 Erie Blvd E	Syracuse	C - Medical	2	67	63	64	**66**	3	**Impact**	**66**	3	**Impact**
3019 Erie Blvd E	Syracuse	C - Outdoor Seating	1	67	64	64	64	0	----	64	0	----
500 Erie Blvd E (1 of 4)	Syracuse	C - Outdoor Seating	4	67	70	71	**71**	1	**Impact**	**67**	-3	**Impact**
500 Erie Blvd E (2 of 4)	Syracuse	C - Outdoor Seating	2	67	70	70	**71**	1	**Impact**	**69**	-1	**Impact**
500 Erie Blvd E (3 of 4)	Syracuse	C - Outdoor Seating	3	67	70	71	**71**	1	**Impact**	**69**	-1	**Impact**
500 Erie Blvd E (4 of 4)	Syracuse	C - Outdoor Seating	3	67	68	69	**72**	4	**Impact**	**70**	2	**Impact**
Erie Canalway Trail - 1	De Witt	C - Trail	1	67	70	70	**70**	0	**Impact**	**71**	1	**Impact**
Erie Canalway Trail - 2	De Witt	C - Trail	1	67	64	64	64	0	----	65	1	----
201 Ethridge Rd	De Witt	B - Residential	1	67	65	65	65	0	----	65	0	----
205 Ethridge Rd	De Witt	B - Residential	1	67	57	58	58	1	----	58	1	----
113 Eureka St	Syracuse	B - Residential	2	67	60	60	60	0	----	60	0	----
115 Eureka St	Syracuse	B - Residential	2	67	61	61	61	0	----	61	0	----
117 Eureka St	Syracuse	B - Residential	2	67	61	61	62	1	----	61	0	----
118 Eureka St	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
119 Eureka St	Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
121-23 Eureka St	Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
125 Eureka St	Syracuse	B - Residential	2	67	60	59	60	0	----	60	0	----
126 Eureka St	Syracuse	B - Residential	1	67	59	59	60	1	----	60	1	----
127 Eureka St	Syracuse	B - Residential	2	67	59	59	60	1	----	60	1	----
128 Eureka St	Syracuse	B - Residential	1	67	59	58	59	0	----	59	0	----
129 Eureka St	Syracuse	B - Residential	2	67	60	59	60	0	----	60	0	----
131 Eureka St	Syracuse	B - Residential	1	67	60	60	61	1	----	61	1	----
132 Eureka St	Syracuse	B - Residential	2	67	56	56	57	1	----	56	0	----
133-35 Eureka St	Syracuse	B - Residential	2	67	61	61	62	1	----	62	1	----
134 Eureka St	Syracuse	B - Residential	2	67	52	52	53	1	----	52	0	----
137 Eureka St	Syracuse	B - Residential	3	67	64	63	64	0	----	64	0	----
120 Evans St	Syracuse	C - Park/Trail	2	67	60	61	63	3	----	62	2	----
121 Exeter Ave	Salina	B - Residential	1	67	54	54	54	0	----	54	0	----
123 Exeter Ave	Salina	B - Residential	1	67	54	54	54	0	----	54	0	----
124 Exeter Ave	Salina	B - Residential	1	67	53	53	53	0	----	53	0	----
125 Exeter Ave	Salina	B - Residential	1	67	55	55	55	0	----	55	0	----
126 Exeter Ave	Salina	B - Residential	1	67	54	54	54	0	----	54	0	----
127 Exeter Ave	Salina	B - Residential	1	67	56	56	56	0	----	56	0	----
129 Exeter Ave	Salina	B - Residential	1	67	58	58	58	0	----	58	0	----
130 Exeter Ave	Salina	B - Residential	3	67	58	58	58	0	----	58	0	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
134 Exeter Ave	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
128 Exeter Ave (1 of 2)	Salina	B - Residential	1	67	55	55	55	0	----	55	0	----
131 Exeter Ave (1 of 2)	Salina	B - Residential	1	67	58	59	59	1	----	58	0	----
128 Exeter Ave (2 of 2)	Salina	B - Residential	1	67	56	56	56	0	----	56	0	----
131 Exeter Ave (2 of 2)	Salina	B - Residential	1	67	61	61	61	0	----	61	0	----
301 Fabious St (1 of 2)	Syracuse	B - Residential	6	67	58	57	59	1	----	60	2	----
301 Fabious St (2 of 2)	Syracuse	B - Residential	10	67	57	56	59	2	----	59	2	----
R262	Cicero	B - Residential	1	67	63	63	64	1	----	64	1	----
R271	Cicero	B - Residential	1	67	62	62	62	0	----	62	0	----
R263	Cicero	B - Residential	1	67	61	60	61	0	----	61	0	----
R272	Cicero	B - Residential	1	67	61	60	61	0	----	61	0	----
R273	Cicero	B - Residential	1	67	60	59	60	0	----	60	0	----
R264	Cicero	B - Residential	1	67	59	59	60	1	----	59	0	----
R265	Cicero	B - Residential	1	67	58	58	59	1	----	59	1	----
R274	Cicero	B - Residential	1	67	59	58	59	0	----	59	0	----
R266	Cicero	B - Residential	1	67	58	57	58	0	----	58	0	----
R275	Cicero	B - Residential	1	67	58	57	58	0	----	58	0	----
R267	Cicero	B - Residential	1	67	57	56	57	0	----	57	0	----
R276	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
R100	North Syracuse	B - Residential	1	67	55	55	55	0	----	55	0	----
236 Fillmore Ave	Syracuse	B - Residential	1	67	56	55	56	0	----	56	0	----
300 Fillmore Ave	Syracuse	B - Residential	1	67	58	57	59	1	----	58	0	----
305 Fillmore Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	59	-1	----
306 Fillmore Ave	Syracuse	B - Residential	1	67	62	62	63	1	----	63	1	----
312 Fillmore Ave	Syracuse	C - Medical	5	67	42	43	43	1	----	41	-1	----
321 Fillmore Ave	Syracuse	B - Residential	1	67	64	65	**66**	2	**Impact**	63	-1	----
324 Fillmore Ave	Syracuse	B - Residential	1	67	71	72	**72**	1	**Impact**	**70**	-1	**Impact**
6766 Flametree Dr	De Witt	B - Residential	1	67	60	61	61	1	----	62	2	----
6767 Flametree Dr	De Witt	B - Residential	1	67	60	60	61	1	----	61	1	----
6772 Flametree Dr	De Witt	B - Residential	1	67	60	61	61	1	----	62	2	----
6776 Flametree Dr	De Witt	B - Residential	1	67	61	62	62	1	----	63	2	----
6778 Flametree Dr	De Witt	B - Residential	1	67	61	62	62	1	----	63	2	----
6780 Flametree Dr	De Witt	B - Residential	1	67	61	62	62	1	----	63	2	----
6782 Flametree Dr	De Witt	B - Residential	1	67	61	62	62	1	----	63	2	----
6240 Fly Rd	De Witt	B - Residential	1	67	62	62	62	0	----	63	1	----
6252 Fly Rd	De Witt	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
6260 Fly Rd	De Witt	B - Residential	1	67	62	62	62	0	----	62	0	----
6264 Fly Rd	De Witt	B - Residential	1	67	61	62	62	1	----	62	1	----
6620 Fly Road	East Syracuse	C - Medical and Park	5	67	70	70	**70**	0	**Impact**	**70**	0	**Impact**
434 Garden City Dr	Salina	B - Residential	1	67	60	61	61	1	----	61	1	----
502 Garden City Dr	Salina	B - Residential	1	67	60	61	62	2	----	61	1	----
106 Garfield Ave	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	62	-4	----
110 Garfield Ave	Syracuse	B - Residential	3	67	66	66	65	-1	----	61	-5	----
118 Garfield Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	60	-5	----
127 Garfield Ave	Syracuse	B - Residential	1	67	68	68	**68**	0	**Impact**	63	-5	----
131 Garfield Ave	Syracuse	B - Residential	1	67	68	68	**69**	1	**Impact**	64	-4	----
201 Garfield Ave	Syracuse	B - Residential	1	67	68	68	**68**	0	**Impact**	62	-6	----
205 Garfield Ave	Syracuse	B - Residential	1	67	68	68	**68**	0	**Impact**	63	-5	----
207 Garfield Ave	Syracuse	B - Residential	3	67	69	69	**69**	0	**Impact**	63	-6	----
210 Garfield Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	59	-4	----
220 Garfield Ave	Syracuse	B - Residential	1	67	63	64	63	0	----	59	-4	----
221 Garfield Ave	Syracuse	B - Residential	1	67	69	69	**69**	0	**Impact**	63	-6	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
222 Garfield Ave	Syracuse	B - Residential	2	67	63	64	63	0	----	59	-4	----
227 Garfield Ave	Syracuse	B - Residential	2	67	71	71	**70**	-1	**Impact**	64	-7	----
230 Garfield Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	58	-5	----
233 Garfield Ave	Syracuse	B - Residential	2	67	68	68	**67**	-1	**Impact**	61	-7	----
234 Garfield Ave	Syracuse	B - Residential	2	67	63	63	63	0	----	58	-5	----
235 Garfield Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	58	-5	----
240 Garfield Ave	Syracuse	B - Residential	2	67	63	63	63	0	----	59	-4	----
244 Garfield Ave	Syracuse	B - Residential	2	67	63	63	63	0	----	59	-4	----
248 Garfield Ave	Syracuse	B - Residential	2	67	63	63	63	0	----	60	-3	----
300 Garfield Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	60	-3	----
304 Garfield Ave	Syracuse	B - Residential	1	67	62	62	62	0	----	59	-3	----
308 Garfield Ave	Syracuse	B - Residential	1	67	62	62	62	0	----	58	-4	----
309 Garfield Ave	Syracuse	B - Residential	2	67	66	67	**67**	1	**Impact**	62	-4	----
310 Garfield Ave	Syracuse	B - Residential	2	67	62	62	62	0	----	58	-4	----
314 Garfield Ave	Syracuse	B - Residential	1	67	62	62	62	0	----	58	-4	----
317 Garfield Ave	Syracuse	B - Residential	2	67	67	68	**68**	1	**Impact**	63	-4	----
318 Garfield Ave	Syracuse	B - Residential	1	67	62	62	62	0	----	58	-4	----
323 Garfield Ave	Syracuse	B - Residential	2	67	67	67	**68**	1	**Impact**	63	-4	----
325 Garfield Ave	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	62	-4	----
328 Garfield Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	59	-4	----
334 Garfield Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	59	-4	----
335 Garfield Ave	Syracuse	B - Residential	3	67	64	64	65	1	----	60	-4	----
338 Garfield Ave	Syracuse	B - Residential	1	67	62	62	62	0	----	58	-4	----
341 Garfield Ave	Syracuse	B - Residential	1	67	64	65	65	1	----	60	-4	----
342 Garfield Ave	Syracuse	B - Residential	1	67	61	61	61	0	----	58	-3	----
345 Garfield Ave	Syracuse	B - Residential	2	67	63	64	64	1	----	59	-4	----
349 Garfield Ave	Syracuse	B - Residential	2	67	63	64	64	1	----	59	-4	----
350 Garfield Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	61	-2	----
351 Garfield Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	58	-5	----
355 Garfield Ave	Syracuse	B - Residential	1	67	63	64	64	1	----	60	-3	----
400 Garfield Ave	Syracuse	C - Church	2	67	62	63	62	0	----	61	-1	----
407 Garfield Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	62	-3	----
410 Garfield Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	62	-1	----
414 Garfield Ave	Syracuse	B - Residential	4	67	67	67	**67**	0	**Impact**	**66**	-1	**Impact**
508 Garfield Ave	Syracuse	B - Residential	1	67	62	63	63	1	----	60	-2	----
509 Garfield Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	59	-4	----
512 Garfield Ave	Syracuse	B - Residential	1	67	62	62	62	0	----	59	-3	----
513 Garfield Ave	Syracuse	B - Residential	1	67	63	64	64	1	----	59	-4	----
516 Garfield Ave	Syracuse	B - Residential	1	67	61	62	62	1	----	59	-2	----
517 Garfield Ave	Syracuse	B - Residential	1	67	64	64	65	1	----	60	-4	----
520 Garfield Ave	Syracuse	B - Residential	1	67	61	62	62	1	----	59	-2	----
521 Garfield Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	61	-4	----
525 Garfield Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	61	-4	----
529 Garfield Ave	Syracuse	B - Residential	1	67	64	64	64	0	----	61	-3	----
114 Garfield Pl	Syracuse	B - Residential	2	67	67	67	**68**	1	**Impact**	63	-4	----
118 Garfield Pl	Syracuse	B - Residential	1	67	69	70	**70**	1	**Impact**	65	-4	----
320 Gateway Park Dr	North Syracuse	C - Picnic Area	3	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
523 Geddes St N	Syracuse	B - Residential	1	67	65	66	**68**	3	**Impact**	**67**	2	**Impact**
527 Geddes St N	Syracuse	B - Residential	1	67	66	66	**68**	2	**Impact**	**68**	2	**Impact**
529-31 Geddes St N	Syracuse	B - Residential	3	67	67	68	**69**	2	**Impact**	**69**	2	**Impact**
535 Geddes St N	Syracuse	B - Residential	3	67	69	69	**71**	2	**Impact**	**70**	1	**Impact**
602 Geddes St N	Syracuse	B - Residential	2	67	67	67	**69**	2	**Impact**	**68**	1	**Impact**

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
605 Geddes St N	Syracuse	B - Residential	1	67	68	69	**70**	2	**Impact**	**70**	2	**Impact**
609-11 Geddes St N	Syracuse	B - Residential	2	67	69	69	**70**	1	**Impact**	**70**	1	**Impact**
610 Geddes St N	Syracuse	B - Residential	1	67	68	68	**69**	1	**Impact**	**69**	1	**Impact**
612-14 Geddes St N	Syracuse	B - Residential	2	67	68	68	**70**	2	**Impact**	**69**	1	**Impact**
814 Geddes St N	Syracuse	B - Residential	1	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
822-26 Geddes St N	Syracuse	B - Residential	1	67	65	65	**66**	1	**Impact**	65	0	----
311 Genant Dr	Syracuse	B - Planned Residential	10	67	67	69	**72**	5	**Impact**	**70**	3	**Impact**
4606 Genesee St	De Witt	B - Residential	1	67	69	69	**69**	0	**Impact**	**69**	0	**Impact**
6840 Genesee St	De Witt	B - Residential	1	67	70	70	**70**	0	**Impact**	**70**	0	**Impact**
6843 Genesee St	De Witt	B - Residential	1	67	68	68	**68**	0	**Impact**	**68**	0	**Impact**
6844 Genesee St	De Witt	B - Residential	1	67	63	63	63	0	----	63	0	----
6858 Genesee St	De Witt	B - Residential	1	67	63	63	63	0	----	63	0	----
6895 Genesee St	De Witt	B - Residential	1	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
6864 Genesee St - 01	De Witt	C - Outdoor Recreation	1	67	64	64	64	0	----	64	0	----
7054 Genesee St - 01	De Witt	C - Golf Course	2	67	65	65	65	0	----	65	0	----
6864 Genesee St - 02	De Witt	C - Outdoor Recreation	1	67	62	62	62	0	----	62	0	----
7054 Genesee St - 02	De Witt	C - Golf Course	2	67	65	65	65	0	----	65	0	----
6864 Genesee St - 03	De Witt	C - Outdoor Recreation	1	67	61	61	61	0	----	61	0	----
7054 Genesee St - 03	De Witt	C - Golf Course	2	67	56	56	56	0	----	56	0	----
6864 Genesee St - 04	De Witt	C - Outdoor Recreation	1	67	60	60	60	0	----	60	0	----
7054 Genesee St - 04	De Witt	C - Golf Course	2	67	56	56	56	0	----	56	0	----
6864 Genesee St - 05	De Witt	C - Outdoor Recreation	1	67	57	57	57	0	----	57	0	----
7054 Genesee St - 04	De Witt	C - Golf Course	2	67	56	56	56	0	----	56	0	----
6864 Genesee St - 05	De Witt	C - Outdoor Recreation	1	67	57	57	57	0	----	57	0	----
6864 Genesee St - 06	De Witt	C - Outdoor Recreation	1	67	56	56	57	1	----	57	1	----
6864 Genesee St - 07	De Witt	C - Outdoor Recreation	1	67	55	55	55	0	----	55	0	----
6864 Genesee St - 08	De Witt	C - Outdoor Recreation	1	67	54	54	54	0	----	55	1	----
1066 Genesee St W	Syracuse	B - Residential	1	67	59	58	59	0	----	59	0	----
1072-74 Genesee St W	Syracuse	B - Residential	1	67	65	65	**66**	1	**Impact**	**67**	2	**Impact**
100-02 Giminski Dr	Syracuse	B - Residential	3	67	57	57	57	0	----	57	0	----
106 Giminski Dr	Syracuse	B - Residential	2	67	56	56	57	1	----	57	1	----
108 Giminski Dr	Syracuse	B - Residential	2	67	56	55	56	0	----	56	0	----
110 Giminski Dr	Syracuse	B - Residential	2	67	55	54	55	0	----	55	0	----
103 Glass Ter	Syracuse	B - Residential	2	67	72	72	**71**	-1	**Impact**	65	-7	----
104 Glass Ter	Syracuse	B - Residential	2	67	71	72	**72**	1	**Impact**	65	-6	----
7655 Glenview Dr	Cicero	B - Residential	1	67	58	58	59	1	----	58	0	----
7659 Glenview Dr	Cicero	B - Residential	1	67	57	57	58	1	----	57	0	----
7660 Glenview Dr	Cicero	B - Residential	1	67	54	55	55	1	----	55	1	----
7663 Glenview Dr	Cicero	B - Residential	1	67	56	57	57	1	----	57	1	----
7667 Glenview Dr	Cicero	B - Residential	1	67	56	57	57	1	----	57	1	----
R21	Cicero	B - Residential	1	67	55	55	56	1	----	56	1	----
R20	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
R19	Cicero	B - Residential	1	67	55	55	55	0	----	56	1	----
R18	Cicero	B - Residential	1	67	53	54	54	1	----	54	1	----
110 Gould Pl	Salina	B - Residential	1	67	61	62	61	0	----	61	0	----
201 Gray Ave	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
305 Gray Ave	Salina	B - Residential	1	67	60	60	60	0	----	60	0	----
317 Gray Ave	Salina	B - Residential	2	67	62	62	62	0	----	62	0	----
320 Gray Ave	Salina	B - Residential	1	67	58	58	58	0	----	58	0	----
321 Gray Ave	Salina	B - Residential	1	67	58	58	59	1	----	58	0	----
103 Green St	Syracuse	B - Residential	3	67	64	65	64	0	----	65	1	----
115 Green St	Syracuse	B - Residential	1	67	58	60	59	1	----	60	2	----
117 Green St	Syracuse	B - Residential	3	67	58	59	58	0	----	59	1	----
235 Greenfield Pkwy	Salina	C - School and Hospital	4	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
301 Greenway Ave	Syracuse	B - Residential	2	67	64	64	64	0	----	64	0	----
303 Greenway Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
304 Greenway Ave	Syracuse	B - Residential	2	67	65	65	65	0	----	65	0	----
305 Greenway Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
306 Greenway Ave	Syracuse	B - Residential	2	67	64	64	64	0	----	64	0	----
307 Greenway Ave	Syracuse	B - Residential	1	67	63	62	63	0	----	63	0	----
308 Greenway Ave	Syracuse	B - Residential	3	67	64	64	64	0	----	64	0	----
100 Grove St	North Syracuse	B - Residential	1	67	68	68	**68**	0	**Impact**	**68**	0	**Impact**
101 Grove St	North Syracuse	B - Residential	1	67	66	65	65	-1	----	65	-1	----
102 Grove St	North Syracuse	B - Residential	1	67	68	67	**67**	-1	**Impact**	**67**	-1	**Impact**
103 Grove St	North Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
105 Grove St	North Syracuse	B - Residential	1	67	65	64	65	0	----	65	0	----
106 Grove St	North Syracuse	B - Residential	1	67	66	65	65	-1	----	65	-1	----
109 Grove St	North Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
112 Grove St	North Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
113 Grove St	North Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
114 Grove St	North Syracuse	C - Park	10	67	69	69	**69**	0	**Impact**	**69**	0	**Impact**
115 Grove St	North Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
116 Grove St	North Syracuse	B - Residential	1	67	63	63	62	-1	----	62	-1	----
R123	North Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
118 Grove St	North Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
R124	North Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
R125	North Syracuse	B - Residential	1	67	61	61	61	0	----	60	-1	----
R126	North Syracuse	B - Residential	1	67	60	61	61	1	----	60	0	----
R122	North Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
6007 Hamilton Rd	Cicero	B - Residential	1	67	60	60	61	1	----	62	2	----
6013 Hamilton Rd	Cicero	B - Residential	1	67	61	61	62	1	----	63	2	----
6016 Hamilton Rd	Cicero	B - Residential	1	67	62	62	63	1	----	63	1	----
6019 Hamilton Rd	Cicero	B - Residential	1	67	60	60	60	0	----	63	3	----
6020 Hamilton Rd	Cicero	B - Residential	1	67	62	62	63	1	----	63	1	----
R68	Cicero	B - Residential	1	67	54	54	55	1	----	54	0	----
R67	Cicero	B - Residential	1	67	54	54	55	1	----	54	0	----
6236 Harrington Dr	Cicero	B - Residential	1	67	56	56	57	1	----	56	0	----
6244 Harrington Dr	Cicero	B - Residential	1	67	56	56	57	1	----	56	0	----
431 Harrison St	Syracuse	C - Medical	2	67	68	68	**69**	1	**Impact**	**69**	1	**Impact**
500 Harrison St	Syracuse	B - Residential	10	67	67	68	**69**	2	**Impact**	**68**	1	**Impact**
513 Harrison St	Syracuse	B - Residential	10	67	63	63	63	0	----	57	-6	----
725 Harrison St	Syracuse	C - Hospital	4	67	60	61	62	2	----	62	2	----
906 Harrison St	Syracuse	C - Outdoor Dining	1	67	54	55	54	0	----	55	1	----
908 Harrison St	Syracuse	B - Planned Residential	3	67	56	57	56	0	----	57	1	----
763 Harrison St (1 of 2)	Syracuse	C - Hospital	4	67	55	56	56	1	----	56	1	----
763 Harrison St (2 of 2)	Syracuse	C - Hospital	4	67	62	62	60	-2	----	64	2	----
206 Hawley Ave	Syracuse	B - Residential	2	67	58	59	59	1	----	57	-1	----
209 Hawley Ave	Syracuse	B - Residential	7	67	45	46	46	1	----	46	1	----
218 Hawley Ave	Syracuse	B - Residential	2	67	59	60	61	2	----	59	0	----
220 Hawley Ave	Syracuse	B - Residential	1	67	59	60	61	2	----	59	0	----
222 Hawley Ave	Syracuse	B - Residential	2	67	59	60	61	2	----	59	0	----
300 Hawley Ave	Syracuse	B - Residential	2	67	62	63	64	2	----	63	1	----
304 Hawley Ave	Syracuse	B - Residential	1	67	58	59	59	1	----	59	1	----
306 Hawley Ave	Syracuse	B - Residential	1	67	57	58	58	1	----	58	1	----
308 Hawley Ave	Syracuse	B - Residential	2	67	60	61	62	2	----	59	-1	----
309 Hawley Ave	Syracuse	B - Residential	3	67	60	61	60	0	----	62	2	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
312 Hawley Ave	Syracuse	B - Residential	2	67	60	60	62	2	----	59	-1	----
314 Hawley Ave	Syracuse	B - Residential	2	67	60	60	61	1	----	59	-1	----
316 Hawley Ave	Syracuse	B - Residential	2	67	60	60	61	1	----	59	-1	----
318 Hawley Ave	Syracuse	B - Residential	2	67	60	60	61	1	----	59	-1	----
320 Hawley Ave	Syracuse	B - Residential	2	67	59	60	61	2	----	58	-1	----
322 Hawley Ave	Syracuse	B - Residential	3	67	59	59	60	1	----	58	-1	----
326 Hawley Ave	Syracuse	B - Residential	1	67	58	58	59	1	----	57	-1	----
330 Hawley Ave	Syracuse	B - Residential	3	67	56	57	57	1	----	56	0	----
332 Hawley Ave	Syracuse	B - Residential	1	67	57	57	58	1	----	57	0	----
400 Hawley Ave	Syracuse	B - Residential	1	67	60	60	58	-2	----	60	0	----
402 Hawley Ave	Syracuse	B - Residential	1	67	59	59	57	-2	----	59	0	----
404 Hawley Ave	Syracuse	B - Residential	2	67	57	57	56	-1	----	57	0	----
406 Hawley Ave	Syracuse	B - Residential	2	67	59	59	57	-2	----	59	0	----
408 Hawley Ave	Syracuse	B - Residential	1	67	60	60	58	-2	----	60	0	----
412 Hawley Ave	Syracuse	B - Residential	2	67	60	60	58	-2	----	60	0	----
414 Hawley Ave	Syracuse	B - Residential	2	67	60	60	58	-2	----	61	1	----
418 Hawley Ave	Syracuse	B - Residential	2	67	60	60	59	-1	----	61	1	----
422 Hawley Ave	Syracuse	B - Residential	1	67	60	60	59	-1	----	61	1	----
426 Hawley Ave	Syracuse	B - Residential	1	67	60	60	59	-1	----	61	1	----
428 Hawley Ave	Syracuse	B - Residential	2	67	61	61	59	-2	----	61	0	----
430 Hawley Ave	Syracuse	B - Residential	3	67	61	61	59	-2	----	61	0	----
436 Hawley Ave	Syracuse	B - Residential	1	67	61	61	60	-1	----	62	1	----
442 Hawley Ave	Syracuse	B - Residential	1	67	62	62	60	-2	----	62	0	----
444 Hawley Ave	Syracuse	B - Residential	2	67	62	62	61	-1	----	62	0	----
516 Hawley Ave	Syracuse	B - Residential	1	67	57	58	57	0	----	58	1	----
518 Hawley Ave	Syracuse	B - Residential	2	67	57	57	56	-1	----	56	-1	----
520 Hawley Ave	Syracuse	B - Residential	2	67	60	60	59	-1	----	60	0	----
524 Hawley Ave	Syracuse	B - Residential	1	67	62	62	61	-1	----	62	0	----
150 Henry St (1 of 2)	Syracuse	B - Residential	10	67	68	68	**68**	0	**Impact**	**70**	2	**Impact**
150 Henry St (2 of 2)	Syracuse	B - Residential	10	67	53	53	53	0	----	61	8	**Impact**
212 Herald Pl	Syracuse	B - Planned Residential	3	67	62	61	**69**	7	**Impact**	62	0	----
5800 Heritage Landing Dr	De Witt	C - Medical	5	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
5801 Heritage Landing Dr	De Witt	C - Religious	5	67	64	64	64	0	----	65	1	----
5815 Heritage Landing Dr	De Witt	C - Picnic Area	1	67	64	64	64	0	----	65	1	----
5820 Heritage Landing Dr	De Witt	C - School	5	67	62	61	62	0	----	63	1	----
5850 Heritage Landing Dr	De Witt	C - Medical	5	67	61	62	62	1	----	63	2	----
5860 Heritage Landing Dr	De Witt	C - Medical	5	67	65	65	65	0	----	**66**	1	**Impact**
6490 & 6492 Highbridge Rd - 01	De Witt	B - Residential	1	67	69	68	**69**	0	**Impact**	**68**	-1	**Impact**
6490 & 6492 Highbridge Rd - 02	De Witt	B - Residential	1	67	66	65	**66**	0	**Impact**	65	-1	----
6490 & 6492 Highbridge Rd - 03	De Witt	B - Residential	1	67	61	61	61	0	----	61	0	----
6490 & 6492 Highbridge Rd - 04	De Witt	B - Residential	1	67	59	59	59	0	----	59	0	----
6490 & 6492 Highbridge Rd - 05	De Witt	B - Residential	1	67	57	57	57	0	----	57	0	----
6490 & 6492 Highbridge Rd - 06	De Witt	B - Residential	1	67	57	57	57	0	----	57	0	----
6490 & 6492 Highbridge Rd - 07	De Witt	B - Residential	1	67	56	56	56	0	----	56	0	----
6490 & 6492 Highbridge Rd - 08	De Witt	B - Residential	1	67	59	59	59	0	----	59	0	----
6490 & 6492 Highbridge Rd - 09	De Witt	B - Residential	1	67	60	60	60	0	----	60	0	----
6490 & 6492 Highbridge Rd - 10	De Witt	B - Residential	1	67	61	61	61	0	----	62	1	----
519 Hillsdale Ave	Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
520 Hillsdale Ave	Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
524 Hillsdale Ave	Syracuse	B - Residential	1	67	59	60	59	0	----	59	0	----
525 Hillsdale Ave	Syracuse	B - Residential	1	67	59	60	60	1	----	60	1	----
529 Hillsdale Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
530 Hillsdale Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
109 Hillview Dr	Salina	B - Residential	1	67	71	71	**71**	0	**Impact**	**71**	0	**Impact**
111 Hobart Ave	Syracuse	B - Residential	1	67	55	56	56	1	----	54	-1	----
113 Hobart Ave	Syracuse	B - Residential	1	67	55	56	56	1	----	54	-1	----
114 Hobart Ave	Syracuse	B - Residential	1	67	56	57	56	0	----	54	-2	----
115 Hobart Ave	Syracuse	B - Residential	1	67	55	56	56	1	----	53	-2	----
116 Hobart Ave	Syracuse	B - Residential	1	67	56	56	56	0	----	54	-2	----
117 Hobart Ave	Syracuse	B - Residential	1	67	55	55	56	1	----	53	-2	----
118 Hobart Ave	Syracuse	B - Residential	1	67	55	56	56	1	----	53	-2	----
120 Hobart Ave	Syracuse	B - Residential	1	67	56	56	56	0	----	53	-3	----
122 Hobart Ave	Syracuse	B - Residential	1	67	55	56	56	1	----	53	-2	----
124 Hobart Ave	Syracuse	B - Residential	1	67	56	57	57	1	----	54	-2	----
129 Hobart Ave	Syracuse	B - Residential	1	67	55	56	56	1	----	53	-2	----
133 Hobart Ave	Syracuse	B - Residential	1	67	56	57	56	0	----	54	-2	----
137 Hobart Ave	Syracuse	B - Residential	1	67	57	57	57	0	----	54	-3	----
141 Hobart Ave	Syracuse	B - Residential	1	67	59	59	58	-1	----	55	-4	----
145 Hobart Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	57	-3	----
148 Hobart Ave	Syracuse	B - Residential	1	67	61	62	61	0	----	58	-3	----
149 Hobart Ave	Syracuse	B - Residential	1	67	64	65	63	-1	----	60	-4	----
152 Hobart Ave	Syracuse	B - Residential	1	67	63	63	62	-1	----	59	-4	----
204 Howard St	Syracuse	B - Residential	2	67	61	61	59	-2	----	61	0	----
206 Howard St	Syracuse	B - Residential	2	67	59	59	59	0	----	59	0	----
207 Howard St	Syracuse	B - Residential	2	67	61	61	61	0	----	61	0	----
209 Howard St	Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
210 Howard St	Syracuse	B - Residential	2	67	58	59	57	-1	----	58	0	----
211 Howard St	Syracuse	B - Residential	2	67	61	61	61	0	----	61	0	----
102 Hunter Ave	Syracuse	B - Residential	2	67	67	67	**69**	2	**Impact**	**68**	1	**Impact**
103 Hunter Ave	Syracuse	B - Residential	2	67	65	65	**67**	2	**Impact**	**66**	1	**Impact**
104 Hunter Ave	Syracuse	B - Residential	1	67	61	61	63	2	----	62	1	----
106 Hunter Ave	Syracuse	B - Residential	1	67	61	61	62	1	----	61	0	----
107 Hunter Ave	Syracuse	B - Residential	3	67	66	66	**67**	1	**Impact**	**66**	0	**Impact**
109 Hunter Ave	Syracuse	B - Residential	1	67	65	65	**66**	1	**Impact**	**66**	1	**Impact**
110 Hunter Ave	Syracuse	B - Residential	2	67	60	60	62	2	----	61	1	----
111 Hunter Ave	Syracuse	B - Residential	1	67	64	64	**66**	2	**Impact**	65	1	----
112 Hunter Ave	Syracuse	B - Residential	2	67	61	61	63	2	----	62	1	----
113 Hunter Ave	Syracuse	B - Residential	2	67	64	64	65	1	----	65	1	----
114 Hunter Ave	Syracuse	B - Residential	1	67	64	63	64	0	----	64	0	----
115 Hunter Ave	Syracuse	B - Residential	2	67	66	65	**66**	0	**Impact**	**66**	0	**Impact**
IH Creekwalk 01	Syracuse	C - Trail	1	67	53	53	52	-1	----	53	0	----
IH Creekwalk 02	Syracuse	C - Trail	1	67	54	54	53	-1	----	54	0	----
IH Creekwalk 03	Syracuse	C - Trail	1	67	57	57	55	-2	----	57	0	----
IH Creekwalk 04	Syracuse	C - Trail	1	67	58	58	57	-1	----	58	0	----
IH Creekwalk 05	Syracuse	C - Trail	1	67	55	56	55	0	----	56	1	----
IH Creekwalk 06	Syracuse	C - Trail	1	67	54	54	54	0	----	54	0	----
100 Irving Ave	Salina	B - Residential	1	67	58	59	59	1	----	58	0	----
108 Irving Ave	Salina	B - Residential	1	67	60	60	60	0	----	60	0	----
116 Irving Ave	Salina	B - Residential	1	67	61	62	62	1	----	61	0	----
117 Irving Ave	Salina	B - Residential	1	67	58	59	59	1	----	59	1	----
118 Irving Ave	Salina	B - Residential	1	67	61	62	62	1	----	62	1	----
134 Irving Ave	Salina	B - Residential	2	67	61	62	62	1	----	62	1	----
136 Irving Ave	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
137 Irving Ave	Salina	B - Residential	1	67	59	59	59	0	----	59	0	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
140 Irving Ave	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
209 Irving Ave	Salina	B - Residential	2	67	63	63	63	0	----	63	0	----
310 Irving Ave	Syracuse	C - Place of Worship	1	67	61	60	61	0	----	**67**	6	**Impact**
403 Irving Ave	Salina	B - Residential	2	67	64	64	65	1	----	65	1	----
505 Irving Ave	Syracuse	C - School	1	67	67	68	**67**	0	**Impact**	**71**	4	**Impact**
601 Irving Ave	Syracuse	C - Church	1	67	66	67	**67**	1	**Impact**	**69**	3	**Impact**
618 Irving Ave	Syracuse	C - School Outdoor Seating	8	67	65	65	65	0	----	**67**	2	**Impact**
710 Irving Ave	Syracuse	C - Hospital	2	67	66	67	**67**	1	**Impact**	**66**	0	**Impact**
722 Irving Ave	Syracuse	C - Outdoor Seating/Hospital	4	67	63	63	62	-1	----	65	2	----
725 Irving Ave	Syracuse	C - Outdoor Vendor	1	67	59	59	58	-1	----	61	2	----
745 Irving Ave	Syracuse	C - Medical University	4	67	57	56	55	-2	----	59	2	----
761 Irving Ave	Syracuse	C - School	1	67	61	61	60	-1	----	64	3	----
800 Irving Ave	Syracuse	C - Medical University	2	67	57	57	58	1	----	60	3	----
905 Irving Ave	Syracuse	C - Sports	5	67	58	57	62	4	----	56	-2	----
445 Irving Ave (1 of 2)	Syracuse	C - Hospital	2	67	72	72	**70**	-2	**Impact**	**72**	0	**Impact**
445 Irving Ave (2 of 2)	Syracuse	C - Outdoor Recreation	1	67	51	51	52	1	----	53	2	----
108 Isabella St	Syracuse	B - Residential	2	67	55	55	55	0	----	55	0	----
110 Isabella St	Syracuse	B - Residential	2	67	55	54	55	0	----	54	-1	----
112 Isabella St	Syracuse	B - Residential	2	67	55	55	55	0	----	54	-1	----
113 Isabella St	Syracuse	B - Residential	1	67	55	55	55	0	----	54	-1	----
114 Isabella St	Syracuse	B - Residential	2	67	54	54	55	1	----	54	0	----
408 James St	Syracuse	B - Residential	4	67	67	67	**67**	0	**Impact**	**66**	-1	**Impact**
423 James St	Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	**66**	-1	**Impact**
429 James St	Syracuse	C - Church	1	67	67	67	**67**	0	**Impact**	**66**	-1	**Impact**
437 James St	Syracuse	C - Place of Worship	2	67	67	67	**67**	0	**Impact**	**66**	-1	**Impact**
447 James St	Syracuse	C - Medical	1	67	67	66	**66**	-1	**Impact**	**66**	-1	**Impact**
457 James St	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
469 James St	Syracuse	B - Residential	2	67	67	66	**66**	-1	**Impact**	**66**	-1	**Impact**
477 James St	Syracuse	B - Residential	2	67	68	67	**67**	-1	**Impact**	**67**	-1	**Impact**
480 James St	Syracuse	B - Residential	2	67	65	65	65	0	----	64	-1	----
501 James St	Syracuse	C - Place of Worship	2	67	64	64	64	0	----	64	0	----
600 James St	Syracuse	B - Residential	3	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
614 James St	Syracuse	C - Outdoor Seating	1	67	65	64	65	0	----	65	0	----
615 James St	Syracuse	B - Residential	6	67	53	53	53	0	----	53	0	----
622 James St	Syracuse	B - Residential	3	67	65	65	65	0	----	65	0	----
708 James St	Syracuse	B - Residential	10	67	44	42	44	0	----	43	-1	----
709 James St	Syracuse	C - Place of Worship	2	67	65	65	64	-1	----	65	0	----
716 James St	Syracuse	C - Medical	1	67	61	60	61	0	----	61	0	----
723 James St	Syracuse	C - Medical	1	67	60	59	59	-1	----	60	0	----
736 James St	Syracuse	C - Place of Worship	2	67	61	59	60	-1	----	59	-2	----
753 James St	Syracuse	B - Residential	4	67	63	62	63	0	----	63	0	----
766 James St	Syracuse	B - Residential	6	67	67	66	**66**	-1	**Impact**	**67**	0	**Impact**
815 James St	Syracuse	C - Medical	1	67	63	62	63	0	----	63	0	----
830 James St	Syracuse	B - Residential	10	67	63	63	63	0	----	63	0	----
847 James St	Syracuse	C - Medical	1	67	64	63	64	0	----	64	0	----
906 James St	Syracuse	B - Residential	10	67	62	61	61	-1	----	62	0	----
915 James St	Syracuse	B - Residential	6	67	63	62	62	-1	----	62	-1	----
923 James St	Syracuse	B - Residential	6	67	63	62	62	-1	----	62	-1	----
930 James St	Syracuse	C - Medical	1	67	59	58	59	0	----	59	0	----
935 James St	Syracuse	C - Benches	2	67	64	63	63	-1	----	63	-1	----
941 James St	Syracuse	B - Residential	4	67	63	62	62	-1	----	63	0	----
950 James St	Syracuse	C - Educational	2	67	58	58	58	0	----	58	0	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
953 James St	Syracuse	C - School	3	67	62	62	62	0	----	62	0	----
973 James St	Syracuse	C - Medical	2	67	62	62	62	0	----	63	1	----
995 James St	Syracuse	B - Residential	10	67	62	62	62	0	----	62	0	----
1004 James St	Syracuse	C - TV Studio	2	67	65	65	65	0	----	**66**	1	**Impact**
1600 Jamesville Ave	Syracuse	C - Outdoor Seating	1	67	60	61	61	1	----	61	1	----
5050 Jamesville Rd -1	De Witt	C - Golf Course	4	67	65	66	**66**	1	**Impact**	**67**	2	**Impact**
5050 Jamesville Rd -2	De Witt	C - Golf Course	4	67	67	68	**69**	2	**Impact**	**70**	3	**Impact**
5050 Jamesville Rd -3	De Witt	C - Golf Course	4	67	67	68	**68**	1	**Impact**	**69**	2	**Impact**
5050 Jamesville Rd-4	De Witt	C - Golf Course	4	67	57	58	58	1	----	59	2	----
5050 Jamesville Rd-5	De Witt	C - Golf Course	4	67	57	58	58	1	----	59	2	----
5050 Jamesville Rd-6	De Witt	C - Golf Course	4	67	57	58	58	1	----	59	2	----
106 Jericho Dr	Syracuse	B - Residential	4	67	60	60	60	0	----	56	-4	----
114 Jericho Dr	Syracuse	B - Residential	4	67	61	61	62	1	----	58	-3	----
122 Jericho Dr	Syracuse	B - Residential	4	67	62	62	62	0	----	59	-3	----
130 Jericho Dr	Syracuse	B - Residential	4	67	62	62	63	1	----	59	-3	----
132 Jericho Dr	Syracuse	B - Residential	2	67	62	63	63	1	----	59	-3	----
124 Kearney Ave	Salina	B - Residential	1	67	53	54	54	1	----	53	0	----
126 Kearney Ave	Salina	B - Residential	1	67	54	55	55	1	----	55	1	----
127 Kearney Ave	Salina	B - Residential	1	67	56	56	56	0	----	56	0	----
131 Kearney Ave	Salina	B - Residential	1	67	61	61	61	0	----	61	0	----
220 Kenedy St	Syracuse	C - Park	1	67	63	63	63	0	----	61	-2	----
6215 Kenlaren Cir	Cicero	B - Residential	1	67	52	52	53	1	----	53	1	----
R62	Cicero	B - Residential	1	67	52	52	53	1	----	52	0	----
6217 Kenlaren Cir	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
6218 Kenlaren Cir	Cicero	B - Residential	1	67	53	53	54	1	----	54	1	----
6219 Kenlaren Cir	Cicero	B - Residential	1	67	56	56	57	1	----	57	1	----
6221 Kenlaren Cir	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
6223 Kenlaren Cir	Cicero	B - Residential	1	67	56	57	57	1	----	57	1	----
6224 Kenlaren Cir	Cicero	B - Residential	1	67	54	54	55	1	----	54	0	----
6225 Kenlaren Cir	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
6226 Kenlaren Cir	Cicero	B - Residential	1	67	54	54	54	0	----	54	0	----
6227 Kenlaren Cir	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
6228 Kenlaren Cir	Cicero	B - Residential	1	67	52	53	53	1	----	53	1	----
6229 Kenlaren Cir	Cicero	B - Residential	1	67	57	57	58	1	----	58	1	----
6230 Kenlaren Cir	Cicero	B - Residential	1	67	55	55	56	1	----	56	1	----
6233 Kenlaren Cir	Cicero	B - Residential	1	67	57	57	57	0	----	58	1	----
113 Kennedy Ln	Cicero	B - Residential	1	67	52	53	53	1	----	54	2	----
114 Kennedy Ln	Cicero	B - Residential	1	67	53	53	53	0	----	55	2	----
115 Kennedy Ln	Cicero	B - Residential	1	67	53	53	53	0	----	54	1	----
116 Kennedy Ln	Cicero	B - Residential	1	67	54	54	54	0	----	56	2	----
117 Kennedy Ln	Cicero	B - Residential	1	67	55	55	56	1	----	56	1	----
118 Kennedy Ln	Cicero	B - Residential	1	67	56	56	56	0	----	57	1	----
6078 Kenneth Dr	Cicero	B - Residential	1	67	60	60	60	0	----	64	4	----
R6	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
R11	Cicero	B - Residential	1	67	59	59	59	0	----	59	0	----
R12	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
R7	Cicero	B - Residential	1	67	53	54	54	1	----	54	1	----
R13	Cicero	B - Residential	1	67	57	57	58	1	----	58	1	----
R14	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
R8	Cicero	B - Residential	1	67	53	53	53	0	----	54	1	----
R15	Cicero	B - Residential	1	67	56	56	56	0	----	57	1	----
R9	Cicero	B - Residential	1	67	52	53	53	1	----	53	1	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
R16	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
6755 Kinne Rd	De Witt	B - Residential	1	67	68	68	**68**	0	**Impact**	**68**	0	**Impact**
6769 Kinne Rd	De Witt	B - Residential	1	67	69	69	**69**	0	**Impact**	**70**	1	**Impact**
6775 Kinne Rd	De Witt	B - Residential	1	67	71	71	**71**	0	**Impact**	**72**	1	**Impact**
100 Kirkpatrick St	Syracuse	B - Residential	1	67	66	66	**67**	1	**Impact**	**66**	0	**Impact**
101 Kirkpatrick St	Syracuse	B - Residential	2	67	66	66	**67**	1	**Impact**	65	-1	----
104 Kirkpatrick St	Syracuse	B - Residential	1	67	63	63	63	0	----	62	-1	----
106 Kirkpatrick St	Syracuse	B - Residential	1	67	61	61	62	1	----	60	-1	----
107 Kirkpatrick St	Syracuse	B - Residential	1	67	60	60	60	0	----	58	-2	----
207 Kirkpatrick St	Syracuse	B - Residential	1	67	60	60	61	1	----	60	0	----
209 Kirkpatrick St	Syracuse	B - Residential	2	67	60	60	61	1	----	60	0	----
211 Kirkpatrick St	Syracuse	B - Residential	1	67	60	60	61	1	----	60	0	----
213 Kirkpatrick St	Syracuse	B - Residential	2	67	59	59	60	1	----	59	0	----
217 Kirkpatrick St	Syracuse	B - Residential	2	67	58	58	59	1	----	58	0	----
415 Kirsch Dr	Salina	B - Residential	1	67	61	62	62	1	----	62	1	----
429 Kirsch Dr	Salina	B - Residential	1	67	63	63	63	0	----	63	0	----
431 Kirsch Dr	Salina	B - Residential	1	67	64	65	65	1	----	64	0	----
433 Kirsch Dr	Salina	B - Residential	1	67	64	65	65	1	----	65	1	----
435 Kirsch Dr	Salina	B - Residential	1	67	65	65	65	0	----	65	0	----
100 Kittell Rd	De Witt	B - Residential	1	67	63	63	63	0	----	63	0	----
101 Kittell Rd	De Witt	B - Residential	1	67	62	62	62	0	----	62	0	----
228 Lafayette Rd to Saturn Dr	Syracuse	C - Day Care Center	2	67	55	55	55	0	----	56	1	----
7724 Langen Ln	Cicero	B - Residential	1	67	58	58	58	0	----	59	1	----
7725 Langen Ln	Cicero	B - Residential	1	67	57	57	58	1	----	58	1	----
7726 Langen Ln	Cicero	B - Residential	1	67	57	57	57	0	----	58	1	----
7728 Langen Ln	Cicero	B - Residential	1	67	57	57	57	0	----	58	1	----
7730 Langen Ln	Cicero	B - Residential	1	67	57	57	57	0	----	58	1	----
7732 Langen Ln	Cicero	B - Residential	1	67	58	58	58	0	----	59	1	----
5884 Lathrop Dr	Cicero	B - Residential	1	67	61	62	61	0	----	61	0	----
5892 Lathrop Dr	Cicero	B - Residential	1	67	61	61	61	0	----	61	0	----
5900 Lathrop Dr	Cicero	B - Residential	1	67	61	61	61	0	----	61	0	----
R195	Cicero	B - Residential	1	67	59	59	59	0	----	59	0	----
R196	Cicero	B - Residential	1	67	60	60	60	0	----	60	0	----
5914 Lathrop Dr	Cicero	B - Residential	1	67	62	62	63	1	----	62	0	----
R197	Cicero	B - Residential	1	67	60	60	60	0	----	60	0	----
5924 Lathrop Dr	Cicero	C - Picnic Area	1	67	61	61	62	1	----	62	1	----
R198	Cicero	B - Residential	1	67	61	61	61	0	----	61	0	----
5938 Lathrop Dr	Cicero	B - Residential	1	67	63	63	64	1	----	65	2	----
134 Laurel Ave	Salina	B - Residential	1	67	55	55	55	0	----	55	0	----
142 Laurel Ave	Salina	B - Residential	1	67	56	56	56	0	----	56	0	----
145 Laurel Ave	Salina	B - Residential	1	67	54	54	54	0	----	54	0	----
146 Laurel Ave	Salina	B - Residential	2	67	60	60	60	0	----	60	0	----
147 Laurel Ave	Salina	B - Residential	1	67	55	55	55	0	----	55	0	----
148 Laurel Ave	Salina	B - Residential	1	67	57	58	58	1	----	58	1	----
149 Laurel Ave	Salina	B - Residential	1	67	57	57	57	0	----	57	0	----
150 Laurel Ave	Salina	B - Residential	1	67	59	59	59	0	----	59	0	----
152 Laurel Ave	Salina	B - Residential	1	67	61	62	62	1	----	61	0	----
153 Laurel Ave	Salina	B - Residential	1	67	62	62	63	1	----	62	0	----
313 Leavenworth Ave	Syracuse	B - Residential	2	67	63	64	65	2	----	65	2	----
317 Leavenworth Ave	Syracuse	B - Residential	3	67	64	64	**66**	2	**Impact**	65	1	----
208 Leon St	Syracuse	B - Residential	1	67	66	67	64	-2	----	60	-6	----
212 Leon St	Syracuse	B - Residential	1	67	66	66	63	-3	----	59	-7	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
230 Leon St	Syracuse	B - Residential	1	67	66	66	63	-3	----	59	-7	----
234 Leon St	Syracuse	B - Residential	2	67	66	66	63	-3	----	59	-7	----
260 Leon St	Syracuse	B - Residential	1	67	66	66	64	-2	----	61	-5	----
264 Leon St	Syracuse	B - Residential	1	67	66	66	64	-2	----	61	-5	----
270 Leon St	Syracuse	B - Residential	2	67	67	67	**66**	-1	**Impact**	62	-5	----
274 Leon St	Syracuse	B - Residential	3	67	68	69	**67**	-1	**Impact**	63	-5	----
284 Leon St	Syracuse	B - Residential	1	67	71	71	**69**	-2	**Impact**	64	-7	----
320 Leonard St	Salina	B - Residential	1	67	63	63	63	0	----	63	0	----
322 Leonard St	Salina	B - Residential	1	67	63	63	64	1	----	63	0	----
324 Leonard St	Salina	B - Residential	1	67	63	64	**66**	3	**Impact**	65	2	----
325 Leonard St	Salina	B - Residential	1	67	61	61	61	0	----	61	0	----
327 Leonard St	Salina	B - Residential	1	67	61	61	62	1	----	61	0	----
329 Leonard St	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
331 Leonard St	Salina	B - Residential	1	67	64	64	65	1	----	64	0	----
402 Liberty St	Syracuse	B - Residential	2	67	59	59	60	1	----	60	1	----
403 Liberty St	Syracuse	B - Residential	2	67	64	63	64	0	----	65	1	----
405 Liberty St	Syracuse	B - Residential	2	67	64	64	65	1	----	65	1	----
406 Liberty St	Syracuse	B - Residential	1	67	59	59	60	1	----	60	1	----
407 Liberty St	Syracuse	B - Residential	2	67	64	64	65	1	----	65	1	----
408 Liberty St	Syracuse	B - Residential	1	67	59	58	59	0	----	59	0	----
409 Liberty St	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
417 Liberty St	Syracuse	B - Residential	2	67	61	60	61	0	----	62	1	----
419 Liberty St	Syracuse	B - Residential	1	67	62	61	62	0	----	62	0	----
420 Liberty St	Syracuse	B - Residential	2	67	65	64	**66**	1	**Impact**	65	0	----
421 Liberty St	Syracuse	B - Residential	1	67	61	61	62	1	----	62	1	----
422 Liberty St	Syracuse	B - Residential	1	67	66	65	**66**	0	**Impact**	**66**	0	**Impact**
424 Liberty St	Syracuse	B - Residential	2	67	64	63	65	1	----	64	0	----
426 Liberty St	Syracuse	B - Residential	1	67	69	68	**69**	0	**Impact**	**69**	0	**Impact**
7707 Lisa Ln	Cicero	B - Residential	1	67	57	57	57	0	----	59	2	----
7710 Lisa Ln	Cicero	B - Residential	1	67	61	61	61	0	----	63	2	----
7711 Lisa Ln	Cicero	B - Residential	1	67	57	57	57	0	----	59	2	----
7714 Lisa Ln	Cicero	B - Residential	1	67	59	59	60	1	----	62	3	----
7718 Lisa Ln	Cicero	B - Residential	1	67	59	59	59	0	----	62	3	----
7720 Lisa Ln	Cicero	B - Residential	1	67	59	59	60	1	----	62	3	----
7721 Lisa Ln	Cicero	B - Residential	1	67	56	56	56	0	----	58	2	----
7722 Lisa Ln	Cicero	B - Residential	1	67	59	59	59	0	----	61	2	----
7725 Lisa Ln	Cicero	B - Residential	1	67	55	55	56	1	----	58	3	----
7729 Lisa Ln	Cicero	B - Residential	1	67	55	55	55	0	----	57	2	----
7730 Lisa Ln	Cicero	B - Residential	1	67	59	59	59	0	----	61	2	----
7733 Lisa Ln	Cicero	B - Residential	1	67	54	54	55	1	----	57	3	----
7734 Lisa Ln	Cicero	B - Residential	1	67	58	59	59	1	----	60	2	----
7737 Lisa Ln	Cicero	B - Residential	1	67	53	53	53	0	----	54	1	----
7738 Lisa Ln	Cicero	B - Residential	1	67	57	58	58	1	----	58	1	----
7740 Lisa Ln	Cicero	B - Residential	1	67	55	55	55	0	----	56	1	----
7742 Lisa Ln	Cicero	B - Residential	1	67	56	56	56	0	----	57	1	----
102 Lock Aly	Syracuse	B - Residential	1	67	62	61	63	1	----	64	2	----
108 Lock Aly	Syracuse	B - Residential	1	67	60	60	62	2	----	63	3	----
300 Lodi St	Syracuse	C - Outdoor Vending	3	67	63	63	63	0	----	64	1	----
310 Lodi St	Syracuse	B - Residential	2	67	63	64	63	0	----	64	1	----
312 Lodi St	Syracuse	B - Residential	1	67	64	64	63	-1	----	64	0	----
315 Lodi St	Syracuse	B - Residential	1	67	63	63	63	0	----	64	1	----
317 Lodi St	Syracuse	B - Residential	2	67	64	64	64	0	----	65	1	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
319 Lodi St	Syracuse	B - Residential	2	67	61	61	60	-1	----	61	0	----
2217 Lodi St	Syracuse	B - Residential	2	67	60	60	62	2	----	61	1	----
2219 Lodi St	Syracuse	B - Residential	2	67	60	60	61	1	----	61	1	----
2221 Lodi St	Syracuse	B - Residential	2	67	60	60	61	1	----	61	1	----
2225 Lodi St	Syracuse	B - Residential	1	67	61	61	62	1	----	62	1	----
2227 Lodi St	Syracuse	B - Residential	1	67	62	62	63	1	----	63	1	----
2311 Lodi St	Syracuse	B - Residential	2	67	60	59	60	0	----	59	-1	----
2313 Lodi St	Syracuse	B - Residential	1	67	60	60	60	0	----	59	-1	----
2315 Lodi St	Syracuse	B - Residential	1	67	60	60	60	0	----	59	-1	----
2317 Lodi St	Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
2319 Lodi St	Syracuse	B - Residential	2	67	68	68	**68**	0	**Impact**	**67**	-1	**Impact**
2402 Lodi St	Syracuse	B - Residential	2	67	66	65	**66**	0	**Impact**	65	-1	----
2403 Lodi St	Syracuse	B - Residential	1	67	63	62	64	1	----	62	-1	----
2407 Lodi St	Syracuse	B - Residential	1	67	62	62	63	1	----	61	-1	----
2408 Lodi St	Syracuse	B - Residential	1	67	64	63	64	0	----	63	-1	----
2409 Lodi St	Syracuse	B - Residential	2	67	62	62	64	2	----	62	0	----
2410 Lodi St	Syracuse	B - Residential	1	67	64	63	64	0	----	63	-1	----
2411 Lodi St	Syracuse	B - Residential	2	67	62	62	64	2	----	62	0	----
2412 Lodi St	Syracuse	B - Residential	2	67	63	62	63	0	----	63	0	----
2414 Lodi St	Syracuse	B - Residential	2	67	63	62	63	0	----	62	-1	----
2416 Lodi St	Syracuse	B - Residential	1	67	63	62	63	0	----	62	-1	----
2418 Lodi St	Syracuse	B - Residential	2	67	62	61	62	0	----	61	-1	----
2419 Lodi St	Syracuse	B - Residential	2	67	60	59	61	1	----	59	-1	----
2421 Lodi St	Syracuse	B - Residential	1	67	59	59	61	2	----	59	0	----
2422 Lodi St	Syracuse	B - Residential	2	67	61	60	61	0	----	61	0	----
2500 Lodi St	Syracuse	B - Residential	2	67	61	60	61	0	----	61	0	----
2504 Lodi St	Syracuse	B - Residential	1	67	61	60	61	0	----	61	0	----
2505 Lodi St	Syracuse	B - Residential	2	67	58	58	60	2	----	58	0	----
2506 Lodi St	Syracuse	B - Residential	1	67	61	60	61	0	----	61	0	----
2507 Lodi St	Syracuse	B - Residential	1	67	58	58	60	2	----	58	0	----
2508 Lodi St	Syracuse	B - Residential	1	67	61	60	61	0	----	61	0	----
2509 Lodi St	Syracuse	B - Residential	1	67	58	58	60	2	----	58	0	----
2511 Lodi St	Syracuse	B - Residential	2	67	59	58	60	1	----	58	-1	----
2513 Lodi St	Syracuse	B - Residential	2	67	59	59	61	2	----	59	0	----
2515 Lodi St	Syracuse	B - Residential	1	67	60	59	62	2	----	59	-1	----
2519 Lodi St	Syracuse	B - Residential	2	67	63	62	62	-1	----	62	-1	----
2521 Lodi St	Syracuse	B - Residential	1	67	62	62	64	2	----	62	0	----
2523 Lodi St	Syracuse	B - Residential	1	67	63	63	65	2	----	63	0	----
2604 Lodi St	Syracuse	B - Residential	1	67	66	65	65	-1	----	65	-1	----
2716 Lodi St	Syracuse	B - Residential	2	67	62	61	62	0	----	62	0	----
2229 Lodi St (1 of 2)	Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
2229 Lodi St (2 of 2)	Syracuse	B - Residential	1	67	63	63	64	1	----	64	1	----
205 Luther Ave	Salina	B - Residential	2	67	74	74	**75**	1	**Impact**	**74**	0	**Impact**
207 Luther Ave	Salina	B - Residential	1	67	72	72	**72**	0	**Impact**	**72**	0	**Impact**
1 Lynacres Blvd	De Witt	B - Residential	3	67	69	69	**69**	0	**Impact**	**69**	0	**Impact**
3 Lynacres Blvd	De Witt	B - Residential	1	67	59	59	59	0	----	59	0	----
5 Lyndon Rd	De Witt	B - Residential	1	67	61	62	62	1	----	62	1	----
8 Lyndon Rd	De Witt	B - Residential	1	67	62	62	63	1	----	63	1	----
109 Lynn Cir	Syracuse	B - Residential	1	67	57	57	57	0	----	55	-2	----
113 Lynn Cir	Syracuse	B - Residential	1	67	58	58	58	0	----	56	-2	----
117 Lynn Cir	Syracuse	B - Residential	1	67	59	60	60	1	----	58	-1	----
6745 Lyons St	De Witt	B - Residential	1	67	63	63	63	0	----	64	1	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
6747 Lyons St	De Witt	B - Residential	1	67	64	64	64	0	----	65	1	----
200 Madison St	Syracuse	C - Arena	2	67	61	61	61	0	----	62	1	----
620 Madison St (1 of 2)	Syracuse	C - Hospital	4	67	55	56	56	1	----	47	-8	----
620 Madison St (2 of 2)	Syracuse	C - Hospital	4	67	57	58	54	-3	----	54	-3	----
308 Maltbie St	Syracuse	C - Trail	2	67	58	58	59	1	----	60	2	----
104 Manilla St	Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
106 Manilla St	Syracuse	B - Residential	2	67	62	62	62	0	----	62	0	----
108 Manilla St	Syracuse	B - Residential	2	67	63	62	62	-1	----	62	-1	----
110 Manilla St	Syracuse	B - Residential	1	67	63	62	62	-1	----	62	-1	----
112 Manilla St	Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
114 Manilla St	Syracuse	B - Residential	2	67	62	62	62	0	----	62	0	----
120 Manilla St	Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
122 Manilla St	Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
124 Manilla St	Syracuse	B - Residential	1	67	62	62	61	-1	----	62	0	----
126 Manilla St	Syracuse	B - Residential	2	67	61	61	61	0	----	61	0	----
R153	Cicero	B - Residential	1	67	55	55	55	0	----	55	0	----
R158	Cicero	B - Residential	1	67	55	55	56	1	----	55	0	----
R152	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
R157	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
R151	Cicero	B - Residential	1	67	57	57	57	0	----	56	-1	----
R156	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
R150	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
R155	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
R149	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
R154	Cicero	B - Residential	1	67	59	59	59	0	----	59	0	----
149 Manning Dr	Cicero	B - Residential	1	67	60	60	61	1	----	61	1	----
150 Manning Dr	Cicero	B - Residential	1	67	60	60	61	1	----	61	1	----
153 Manning Dr	Cicero	B - Residential	1	67	61	61	61	0	----	61	0	----
154 Manning Dr	Cicero	B - Residential	1	67	61	61	61	0	----	61	0	----
157 Manning Dr	Cicero	B - Residential	1	67	62	62	62	0	----	62	0	----
158 Manning Dr	Cicero	B - Residential	1	67	63	63	63	0	----	63	0	----
161 Manning Dr	Cicero	B - Residential	1	67	65	65	**66**	1	**Impact**	65	0	----
162 Manning Dr	Cicero	B - Residential	1	67	65	65	65	0	----	65	0	----
R148	Cicero	B - Residential	1	67	60	60	60	0	----	60	0	----
101 Maple Dr	De Witt	B - Residential	1	67	61	61	61	0	----	61	0	----
60 Marmot Cir	De Witt	B - Residential	1	67	62	62	63	1	----	64	2	----
80 Marmot Cir	De Witt	B - Residential	1	67	61	62	62	1	----	63	2	----
506 Marquette St	Syracuse	B - Residential	1	67	64	63	**66**	2	**Impact**	65	1	----
512 Marquette St	Syracuse	B - Residential	1	67	64	64	**67**	3	**Impact**	65	1	----
100 Marsh Dr	De Witt	B - Residential	1	67	69	69	**70**	1	**Impact**	**71**	2	**Impact**
101 Marsh Dr	De Witt	B - Residential	1	67	70	70	**71**	1	**Impact**	**72**	2	**Impact**
102 Marsh Dr	De Witt	B - Residential	1	67	66	66	**66**	0	**Impact**	**67**	1	**Impact**
103 Marsh Dr	De Witt	B - Residential	1	67	66	66	**67**	1	**Impact**	**68**	2	**Impact**
104 Marsh Dr	De Witt	B - Residential	1	67	63	63	64	1	----	65	2	----
105 Marsh Dr	De Witt	B - Residential	1	67	63	63	64	1	----	65	2	----
200 Marsh Dr	De Witt	B - Residential	1	67	60	60	61	1	----	61	1	----
129 Marshall St	Syracuse	C - Outdoor Seating	2	67	59	58	59	0	----	59	0	----
153 Marshall St	Syracuse	C - School	1	67	56	55	56	0	----	56	0	----
163 Marshall St	Syracuse	C - Outdoor Seating	2	67	59	58	59	0	----	59	0	----
175 Marshall St	Syracuse	C - Outdoor Seating	3	67	62	61	61	-1	----	62	0	----
436 Martin Luther King E & Renwick	Syracuse	C - Park	1	67	72	72	**74**	2	**Impact**	0	NA	Inactive
107 Mather St	Syracuse	B - Residential	2	67	61	61	62	1	----	62	1	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
113 Mather St	Syracuse	B - Residential	1	67	60	60	60	0	----	61	1	----
114 Mather St	Syracuse	B - Residential	2	67	58	58	59	1	----	59	1	----
117 Mather St	Syracuse	B - Residential	1	67	60	60	60	0	----	61	1	----
106 Maywood Dr	Syracuse	B - Residential	1	67	61	61	60	-1	----	60	-1	----
110 Maywood Dr	Syracuse	B - Residential	1	67	60	61	60	0	----	59	-1	----
112 Maywood Dr	Syracuse	B - Residential	1	67	60	60	60	0	----	59	-1	----
114 Maywood Dr	Syracuse	B - Residential	1	67	60	60	60	0	----	58	-2	----
116 Maywood Dr	Syracuse	B - Residential	1	67	60	60	59	-1	----	58	-2	----
118 Maywood Dr	Syracuse	B - Residential	1	67	59	60	59	0	----	58	-1	----
120 Maywood Dr	Syracuse	B - Residential	1	67	59	59	59	0	----	57	-2	----
122 Maywood Dr	Syracuse	B - Residential	1	67	58	59	59	1	----	57	-1	----
124 Maywood Dr	Syracuse	B - Residential	1	67	58	58	58	0	----	57	-1	----
126 Maywood Dr	Syracuse	B - Residential	1	67	58	58	58	0	----	56	-2	----
128 Maywood Dr	Syracuse	B - Residential	1	67	57	58	58	1	----	56	-1	----
130 Maywood Dr	Syracuse	B - Residential	1	67	56	57	57	1	----	55	-1	----
162 Mc Alpine St	Salina	B - Residential	1	67	65	66	**66**	1	**Impact**	65	0	----
112 McAllister Ave	Syracuse	B - Residential	2	67	59	59	59	0	----	55	-4	----
114 McAllister Ave	Syracuse	B - Residential	1	67	59	59	59	0	----	55	-4	----
116 McAllister Ave	Syracuse	B - Residential	1	67	60	61	61	1	----	57	-3	----
117 McAllister Ave	Syracuse	B - Residential	2	67	59	59	60	1	----	56	-3	----
119 McAllister Ave	Syracuse	B - Residential	2	67	60	61	61	1	----	57	-3	----
120 McAllister Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	62	-3	----
121 McAllister Ave	Syracuse	B - Residential	1	67	64	64	64	0	----	61	-3	----
110 McClure Ave	Syracuse	B - Residential	1	67	65	64	65	0	----	62	-3	----
113 McClure Ave	Syracuse	B - Residential	1	67	65	64	65	0	----	61	-4	----
114 McClure Ave	Syracuse	B - Residential	1	67	65	65	**66**	1	**Impact**	62	-3	----
118 McClure Ave	Syracuse	B - Residential	3	67	67	66	**67**	0	**Impact**	63	-4	----
122 McClure Ave	Syracuse	B - Residential	2	67	68	68	**68**	0	**Impact**	64	-4	----
211 McKinley Ave	Syracuse	B - Residential	1	67	58	59	59	1	----	55	-3	----
213 McKinley Ave	Syracuse	B - Residential	1	67	59	59	59	0	----	55	-4	----
217 McKinley Ave	Syracuse	B - Residential	1	67	59	59	60	1	----	56	-3	----
218 McKinley Ave	Syracuse	B - Residential	1	67	59	60	60	1	----	56	-3	----
220 McKinley Ave	Syracuse	B - Residential	1	67	60	60	61	1	----	56	-4	----
221 McKinley Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	56	-4	----
224 McKinley Ave	Syracuse	B - Residential	1	67	60	61	61	1	----	57	-3	----
227 McKinley Ave	Syracuse	B - Residential	2	67	61	61	61	0	----	57	-4	----
228 McKinley Ave	Syracuse	B - Residential	1	67	61	61	62	1	----	57	-4	----
232 McKinley Ave	Syracuse	B - Residential	1	67	62	63	63	1	----	59	-3	----
233 McKinley Ave	Syracuse	B - Residential	2	67	62	62	62	0	----	58	-4	----
236 McKinley Ave	Syracuse	B - Residential	2	67	64	64	64	0	----	60	-4	----
237 McKinley Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	59	-4	----
241 McKinley Ave	Syracuse	B - Residential	1	67	64	65	65	1	----	60	-4	----
244 McKinley Ave	Syracuse	B - Residential	2	67	65	66	**66**	1	**Impact**	60	-5	----
245 McKinley Ave	Syracuse	B - Residential	2	67	65	65	**66**	1	**Impact**	60	-5	----
314 Melvin Dr	Salina	B - Residential	1	67	58	58	58	0	----	58	0	----
319 Melvin Dr	Salina	B - Residential	1	67	59	59	59	0	----	59	0	----
321 Melvin Dr	Salina	B - Residential	1	67	59	59	59	0	----	59	0	----
323 Melvin Dr	Salina	B - Residential	1	67	59	59	59	0	----	59	0	----
325 Melvin Dr	Salina	B - Residential	1	67	60	60	60	0	----	60	0	----
327 Melvin Dr	Salina	B - Residential	1	67	60	60	60	0	----	60	0	----
329 Melvin Dr	Salina	B - Residential	1	67	61	61	61	0	----	61	0	----
331 Melvin Dr	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
400 Melvin Dr	Salina	B - Residential	1	67	61	61	61	0	----	61	0	----
402 Melvin Dr	Salina	B - Residential	1	67	63	63	63	0	----	63	0	----
404 Melvin Dr	Salina	B - Residential	1	67	64	64	64	0	----	64	0	----
1 Member Way	Salina	C - Outdoor Seating	1	67	68	68	**68**	0	**Impact**	**68**	0	**Impact**
102 Menlo Dr	Syracuse	B - Residential	1	67	61	62	62	1	----	59	-2	----
111 Menlo Dr	Syracuse	B - Residential	1	67	70	71	**71**	1	**Impact**	**66**	-4	**Impact**
126 Menlo Dr	Syracuse	B - Residential	1	67	59	59	60	1	----	58	-1	----
200 Menlo Dr	Syracuse	B - Residential	1	67	58	58	58	0	----	57	-1	----
201 Menlo Dr	Syracuse	B - Residential	1	67	70	70	**71**	1	**Impact**	65	-5	----
203 Menlo Dr	Syracuse	B - Residential	1	67	64	65	65	1	----	62	-2	----
204 Menlo Dr	Syracuse	B - Residential	1	67	57	57	58	1	----	57	0	----
205 Menlo Dr	Syracuse	B - Residential	1	67	63	63	64	1	----	61	-2	----
206 Menlo Dr	Syracuse	B - Residential	1	67	57	57	58	1	----	57	0	----
231 Menlo Dr	Syracuse	B - Residential	1	67	58	57	59	1	----	59	1	----
209 Menlo Dr & Fillmore Ave	Syracuse	B - Residential	1	67	63	62	63	0	----	63	0	----
100 Michael Ave	Cicero	B - Residential	1	67	75	75	**75**	0	**Impact**	**75**	0	**Impact**
102 Michael Ave	Cicero	B - Residential	1	67	75	75	**75**	0	**Impact**	**75**	0	**Impact**
103 Michael Ave	Cicero	B - Residential	1	67	68	67	**68**	0	**Impact**	**68**	0	**Impact**
104 Michael Ave	Cicero	B - Residential	1	67	75	75	**76**	1	**Impact**	**75**	0	**Impact**
105 Michael Ave	Cicero	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
106 Michael Ave	Cicero	B - Residential	1	67	76	76	**76**	0	**Impact**	**76**	0	**Impact**
107 Michael Ave	Cicero	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
108 Michael Ave	Cicero	B - Residential	1	67	76	76	**76**	0	**Impact**	**76**	0	**Impact**
109 Michael Ave	Cicero	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
110 Michael Ave	Cicero	B - Residential	1	67	76	76	**76**	0	**Impact**	**76**	0	**Impact**
111 Michael Ave	Cicero	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
112 Michael Ave	Cicero	B - Residential	1	67	75	75	**75**	0	**Impact**	**75**	0	**Impact**
113 Michael Ave	Cicero	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
114 Michael Ave	Cicero	B - Residential	1	67	74	74	**74**	0	**Impact**	**74**	0	**Impact**
116 Michael Ave	Cicero	B - Residential	1	67	74	74	**74**	0	**Impact**	**74**	0	**Impact**
118 Michael Ave	Cicero	B - Residential	1	67	73	74	**74**	1	**Impact**	**74**	1	**Impact**
120 Michael Ave	Cicero	B - Residential	1	67	73	73	**73**	0	**Impact**	**73**	0	**Impact**
122 Michael Ave	Cicero	B - Residential	1	67	72	72	**73**	1	**Impact**	**72**	0	**Impact**
124 Michael Ave	Cicero	B - Residential	1	67	72	72	**72**	0	**Impact**	**72**	0	**Impact**
126 Michael Ave	Cicero	B - Residential	1	67	72	73	**73**	1	**Impact**	**72**	0	**Impact**
128 Michael Ave	Cicero	B - Residential	1	67	73	73	**73**	0	**Impact**	**73**	0	**Impact**
130 Michael Ave	Cicero	B - Residential	1	67	74	74	**74**	0	**Impact**	**74**	0	**Impact**
132 Michael Ave	Cicero	B - Residential	1	67	71	71	**71**	0	**Impact**	**71**	0	**Impact**
200 Miles Ave	De Witt	B - Residential	1	67	57	58	58	1	----	59	2	----
202 Miles Ave	De Witt	B - Residential	1	67	58	59	59	1	----	60	2	----
204 Miles Ave	De Witt	B - Residential	1	67	60	61	61	1	----	62	2	----
1 Miles Ave Ext	De Witt	B - Residential	1	67	57	57	58	1	----	59	2	----
330 Molloy Rd W	Salina	B - Residential	1	67	60	60	60	0	----	60	0	----
149 Monroe St	Syracuse	C - Medical	2	67	64	71	**71**	7	**Impact**	60	-4	----
526 Mosley Dr	Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
529 Mosley Dr	Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
533 Mosley Dr	Syracuse	B - Residential	2	67	62	62	62	0	----	62	0	----
6746 Myers Rd	De Witt	B - Residential	1	67	63	64	64	1	----	64	1	----
6756 Myers Rd	De Witt	B - Residential	1	67	66	67	**66**	0	**Impact**	**67**	1	**Impact**
6782 Myers Rd	De Witt	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
6796 Myers Rd	De Witt	B - Residential	1	67	63	63	63	0	----	64	1	----
305 N Beech St	Syracuse	B - Residential	1	67	60	60	61	1	----	61	1	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
307 N Beech St	Syracuse	B - Residential	1	67	60	60	60	0	----	61	1	----
101 N Clinton St	Syracuse	C - Outdoor Seating	1	67	68	68	**71**	3	**Impact**	**70**	2	**Impact**
207 N Clinton St	Syracuse	C - Outdoor Dining	1	67	66	66	**71**	5	**Impact**	**70**	4	**Impact**
221 N Clinton St	Syracuse	C - Outdoor Dining	2	67	64	65	**70**	6	**Impact**	**69**	5	**Impact**
315 N Clinton St	Syracuse	B - Residential	1	67	66	66	**70**	4	**Impact**	**69**	3	**Impact**
800 N Clinton St	Syracuse	B - Planned Residential	7	67	60	60	62	2	----	60	0	----
214 N Crouse Ave	Syracuse	B - Residential	1	67	62	62	60	-2	----	62	0	----
223 N Crouse Ave	Syracuse	B - Residential	2	67	63	63	62	-1	----	63	0	----
415 N Franklin St	Syracuse	C - Park/Trail	2	67	65	65	**68**	3	**Impact**	**67**	2	**Impact**
428 N Franklin St	Syracuse	B - Residential	3	67	59	60	63	4	----	62	3	----
432 N Franklin St	Syracuse	B - Residential	3	67	51	52	54	3	----	54	3	----
433 N Franklin St	Syracuse	C - Outdoor Seating	1	67	59	60	62	3	----	62	3	----
460 N Franklin St	Syracuse	B - Residential	3	67	56	56	58	2	----	58	2	----
205 N McBride St	Syracuse	B - Residential	2	67	63	64	63	0	----	62	-1	----
208 N McBride St	Syracuse	B - Residential	3	67	59	60	60	1	----	58	-1	----
209 N McBride St	Syracuse	B - Residential	1	67	62	63	62	0	----	61	-1	----
300 N McBride St	Syracuse	B - Residential	8	67	64	65	**66**	2	**Impact**	65	1	----
304 N McBride St	Syracuse	B - Residential	2	67	63	64	64	1	----	63	0	----
306 N McBride St	Syracuse	B - Residential	2	67	62	63	63	1	----	62	0	----
100 N Salina St	Syracuse	C - Park	4	67	69	69	**69**	0	**Impact**	**69**	0	**Impact**
108 N Salina St	Syracuse	C - Outdoor Seating	1	67	69	69	**69**	0	**Impact**	**69**	0	**Impact**
319 N Salina St	Syracuse	C - Outdoor Seating	1	67	70	69	**68**	-2	**Impact**	**70**	0	**Impact**
344 N Salina St	Syracuse	C - Outdoor Market	1	67	64	64	**66**	2	**Impact**	65	1	----
401 N Salina St	Syracuse	C - Outdoor Dining	1	67	63	62	64	1	----	65	2	----
420 N Salina St	Syracuse	C - Park/Memorial	1	67	65	65	65	0	----	65	0	----
447 N Salina St	Syracuse	C - Outdoor Dining	1	67	64	63	**66**	2	**Impact**	**66**	2	**Impact**
478 N Salina St	Syracuse	C - Park with Benches	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
547 N Salina St	Syracuse	C - Outdoor Seating	2	67	58	59	60	2	----	59	1	----
701 N Salina St	Syracuse	B - Residential	2	67	62	62	64	2	----	64	2	----
713 N Salina St	Syracuse	B - Residential	4	67	61	61	63	2	----	64	3	----
717 N Salina St	Syracuse	B - Residential	2	67	61	61	63	2	----	63	2	----
727 N Salina St	Syracuse	B - Residential	1	67	60	60	63	3	----	63	3	----
745 N Salina St	Syracuse	B - Residential	3	67	59	59	61	2	----	61	2	----
751 N Salina St	Syracuse	B - Residential	1	67	59	59	62	3	----	61	2	----
753 N Salina St	Syracuse	B - Residential	1	67	59	59	62	3	----	61	2	----
755 N Salina St	Syracuse	B - Residential	3	67	60	59	62	2	----	61	1	----
827 N Salina St	Syracuse	B - Residential	2	67	56	56	57	1	----	56	0	----
835 N Salina St	Syracuse	B - Residential	2	67	55	55	56	1	----	55	0	----
841 N Salina St	Syracuse	B - Residential	2	67	55	54	56	1	----	55	0	----
843 N Salina St	Syracuse	B - Residential	2	67	55	54	55	0	----	54	-1	----
847 N Salina St	Syracuse	B - Residential	2	67	54	54	55	1	----	54	0	----
1001 N Salina St	Syracuse	C - Park	2	67	61	61	61	0	----	60	-1	----
214 N State St	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	**66**	0	**Impact**
215 N State St	Syracuse	C - Church	2	67	58	59	59	1	----	59	1	----
401 N State St	Syracuse	C - School	3	67	69	69	**68**	-1	**Impact**	**67**	-2	**Impact**
429 N State St	Syracuse	C - Hospital	2	67	62	62	62	0	----	61	-1	----
503 N State St	Syracuse	B - Residential	2	67	62	62	63	1	----	63	1	----
505 N State St	Syracuse	B - Residential	2	67	62	62	63	1	----	63	1	----
507 N State St	Syracuse	B - Residential	3	67	61	62	63	2	----	62	1	----
509 N State St	Syracuse	B - Residential	1	67	62	62	63	1	----	62	0	----
521 N State St	Syracuse	B - Residential	2	67	62	62	63	1	----	62	0	----
525 N State St	Syracuse	B - Residential	2	67	62	62	63	1	----	62	0	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
705 N State St	Syracuse	C - Outdoor Vendor	1	67	59	58	63	4	----	63	4	----
912 N State St	Syracuse	B - Residential	1	67	64	63	**68**	4	**Impact**	**66**	2	**Impact**
914 N State St	Syracuse	B - Residential	2	67	65	64	**68**	3	**Impact**	**67**	2	**Impact**
924 N State St	Syracuse	B - Residential	2	67	66	66	**68**	2	**Impact**	**68**	2	**Impact**
1022 N State St	Syracuse	B - Residential	2	67	65	65	**66**	1	**Impact**	**66**	1	**Impact**
1032 N State St	Syracuse	B - Residential	1	67	64	64	65	1	----	65	1	----
1034 N State St	Syracuse	B - Residential	2	67	65	65	**66**	1	**Impact**	**66**	1	**Impact**
1042 N State St	Syracuse	B - Residential	1	67	68	67	**69**	1	**Impact**	**68**	0	**Impact**
1100 N State St	Syracuse	B - Residential	1	67	67	66	**67**	0	**Impact**	**66**	-1	**Impact**
1104 N State St	Syracuse	B - Residential	2	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
1108 N State St	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
1114 N State St	Syracuse	B - Residential	2	67	64	63	64	0	----	63	-1	----
1116 N State St	Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
1118 N State St	Syracuse	B - Residential	3	67	63	62	63	0	----	62	-1	----
1120 N State St	Syracuse	B - Residential	2	67	62	62	62	0	----	62	0	----
1122 N State St	Syracuse	B - Residential	3	67	62	61	62	0	----	61	-1	----
1124 N State St	Syracuse	B - Residential	3	67	61	61	61	0	----	61	0	----
1126 N State St	Syracuse	B - Residential	2	67	61	61	61	0	----	61	0	----
1128 N State St	Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
1130 N State St	Syracuse	B - Residential	2	67	62	62	62	0	----	62	0	----
1200 N State St	Syracuse	B - Residential	2	67	62	61	61	-1	----	61	-1	----
1204 N State St	Syracuse	B - Residential	2	67	61	61	61	0	----	61	0	----
1206 N State St	Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
1208 N State St	Syracuse	B - Residential	1	67	61	60	61	0	----	60	-1	----
1210 N State St	Syracuse	B - Residential	2	67	60	60	60	0	----	60	0	----
1211 N State St	Syracuse	B - Residential	1	67	61	61	62	1	----	61	0	----
1212 N State St	Syracuse	B - Residential	1	67	59	58	59	0	----	58	-1	----
1213 N State St	Syracuse	B - Residential	2	67	61	61	62	1	----	61	0	----
1214 N State St	Syracuse	B - Residential	1	67	61	60	60	-1	----	60	-1	----
1215 N State St	Syracuse	B - Residential	2	67	60	60	61	1	----	60	0	----
1216 N State St	Syracuse	B - Residential	2	67	61	60	61	0	----	61	0	----
1217 N State St	Syracuse	B - Residential	2	67	60	60	61	1	----	60	0	----
1218 N State St	Syracuse	B - Residential	2	67	61	61	61	0	----	61	0	----
1221 N State St	Syracuse	B - Residential	2	67	64	63	64	0	----	63	-1	----
1222 N State St	Syracuse	B - Residential	2	67	61	60	61	0	----	60	-1	----
1224 N State St	Syracuse	B - Residential	2	67	61	61	61	0	----	60	-1	----
1228 N State St	Syracuse	B - Residential	3	67	61	60	60	-1	----	60	-1	----
1301 N State St	Syracuse	B - Residential	2	67	61	61	61	0	----	60	-1	----
1303 N State St	Syracuse	B - Residential	1	67	61	61	62	1	----	60	-1	----
1305 N State St	Syracuse	B - Residential	3	67	66	65	65	-1	----	65	-1	----
1309 N State St	Syracuse	B - Residential	1	67	62	62	63	1	----	61	-1	----
1313 N State St	Syracuse	B - Residential	2	67	62	62	63	1	----	62	0	----
1317 N State St	Syracuse	B - Residential	1	67	69	69	**70**	1	**Impact**	**69**	0	**Impact**
1319 N State St	Syracuse	B - Residential	2	67	62	62	62	0	----	61	-1	----
1321 N State St	Syracuse	B - Residential	3	67	62	61	63	1	----	61	-1	----
1323 N State St	Syracuse	B - Residential	2	67	62	62	64	2	----	62	0	----
1408 N State St	Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
1410 N State St	Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
1412 N State St	Syracuse	B - Residential	2	67	64	63	63	-1	----	63	-1	----
1414 N State St	Syracuse	B - Residential	2	67	64	63	63	-1	----	63	-1	----
1418 N State St	Syracuse	B - Residential	2	67	64	64	63	-1	----	63	-1	----
1422 N State St	Syracuse	B - Residential	1	67	64	64	63	-1	----	63	-1	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
1424 N State St	Syracuse	B - Residential	2	67	65	64	63	-2	----	64	-1	----
1426 N State St	Syracuse	B - Residential	2	67	66	65	64	-2	----	65	-1	----
1500 N State St	Syracuse	C - Park	1	67	66	65	64	-2	----	65	-1	----
1505 N State St	Syracuse	B - Residential	2	67	62	61	62	0	----	61	-1	----
1507 N State St	Syracuse	B - Residential	3	67	62	62	63	1	----	62	0	----
1509 N State St	Syracuse	B - Residential	3	67	62	61	62	0	----	61	-1	----
1511 N State St	Syracuse	B - Residential	2	67	61	61	62	1	----	61	0	----
1513 N State St	Syracuse	B - Residential	3	67	61	61	62	1	----	61	0	----
201 N Townsend St	Syracuse	B - Residential	2	67	67	67	**67**	0	**Impact**	**66**	-1	**Impact**
202 N Townsend St	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	65	-1	----
204 N Townsend St	Syracuse	B - Residential	2	67	65	66	64	-1	----	63	-2	----
206 N Townsend St	Syracuse	B - Residential	1	67	65	66	64	-1	----	62	-3	----
207 N Townsend St	Syracuse	B - Residential	3	67	61	61	59	-2	----	59	-2	----
212 N Townsend St	Syracuse	B - Residential	3	67	61	62	60	-1	----	60	-1	----
205 N West St	Syracuse	B - Residential	1	67	64	65	63	-1	----	64	0	----
606 Nichols Ave (1 of 2)	Syracuse	B - Residential	1	67	68	68	**68**	0	**Impact**	**68**	0	**Impact**
606 Nichols Ave (2 of 2)	Syracuse	B - Residential	1	67	74	74	**74**	0	**Impact**	**75**	1	**Impact**
149 Northern Concourse	Salina	C - Outdoor Seating	1	67	63	63	63	0	----	63	0	----
151 Northern Concourse	Salina	C - Outdoor Seating	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
401 Northern Lights Plz	Salina	C - Outdoor Dining	1	67	65	65	65	0	----	65	0	----
113 Norwood Ave E	Salina	B - Residential	1	67	60	60	59	-1	----	60	0	----
115 Norwood Ave E	Salina	B - Residential	1	67	60	61	60	0	----	60	0	----
116 Norwood Ave E	Salina	B - Residential	1	67	61	61	60	-1	----	60	-1	----
118 Norwood Ave E	Salina	B - Residential	1	67	61	61	61	0	----	61	0	----
121 Norwood Ave E	Salina	B - Residential	2	67	61	61	61	0	----	61	0	----
122 Norwood Ave E	Salina	B - Residential	1	67	63	63	62	-1	----	62	-1	----
123 Norwood Ave E	Salina	B - Residential	1	67	61	61	61	0	----	61	0	----
124 Norwood Ave E	Salina	B - Residential	1	67	63	64	63	0	----	63	0	----
125 Norwood Ave E	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
126 Norwood Ave E	Salina	B - Residential	1	67	63	63	62	-1	----	62	-1	----
128 Norwood Ave E	Salina	B - Residential	1	67	63	63	63	0	----	63	0	----
102 Oak St	Syracuse	B - Residential	2	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
108 Oak St	Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
142 Oakland St (1 of 2)	Syracuse	B - Residential	10	67	69	70	**69**	0	**Impact**	61	-8	----
142 Oakland St (2 of 2)	Syracuse	B - Residential	10	67	62	62	61	-1	----	56	-6	----
R79	North Syracuse	B - Residential	1	67	57	57	57	0	----	57	0	----
R80	North Syracuse	B - Residential	1	67	58	58	58	0	----	58	0	----
R78	North Syracuse	B - Residential	1	67	57	57	57	0	----	57	0	----
R81	North Syracuse	B - Residential	1	67	59	59	59	0	----	58	-1	----
R77	North Syracuse	B - Residential	1	67	58	58	58	0	----	58	0	----
R82	North Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
R76	North Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
R83	North Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
R75	North Syracuse	B - Residential	1	67	60	59	60	0	----	59	-1	----
R84	North Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
R74	North Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
117 Oakley Dr	North Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
R73	North Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
119 Oakley Dr	North Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
120 Oakley Dr	North Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
121 Oakley Dr	North Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
122 Oakley Dr	North Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
123 Oakley Dr	North Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
124 Oakley Dr	North Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
125 Oakley Dr	North Syracuse	B - Residential	1	67	70	69	**69**	-1	**Impact**	**69**	-1	**Impact**
126 Oakley Dr	North Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
127 Oakley Dr	North Syracuse	B - Residential	1	67	72	72	**72**	0	**Impact**	**72**	0	**Impact**
128 Oakley Dr	North Syracuse	B - Residential	1	67	70	69	**69**	-1	**Impact**	**69**	-1	**Impact**
129 Oakley Dr	North Syracuse	B - Residential	1	67	75	74	**75**	0	**Impact**	**75**	0	**Impact**
130 Oakley Dr	North Syracuse	B - Residential	1	67	73	72	**72**	-1	**Impact**	**72**	-1	**Impact**
132 Oakley Dr	North Syracuse	B - Residential	1	67	76	75	**75**	-1	**Impact**	**75**	-1	**Impact**
515 Oakwood Ave	Syracuse	C - Church	2	67	64	64	61	-3	----	55	-9	----
535 Oakwood Ave	Syracuse	B - Residential	1	67	63	63	61	-2	----	55	-8	----
545 Oakwood Ave	Syracuse	B - Residential	2	67	63	63	61	-2	----	56	-7	----
552 Oakwood Ave	Syracuse	B - Residential	2	67	61	61	60	-1	----	58	-3	----
553 Oakwood Ave	Syracuse	B - Residential	1	67	63	63	61	-2	----	56	-7	----
557 Oakwood Ave	Syracuse	C - Church	1	67	61	61	60	-1	----	59	-2	----
560 Oakwood Ave	Syracuse	B - Residential	2	67	61	61	60	-1	----	58	-3	----
566 Oakwood Ave	Syracuse	B - Residential	1	67	61	61	60	-1	----	58	-3	----
571 Oakwood Ave	Syracuse	B - Residential	1	67	63	63	62	-1	----	56	-7	----
572 Oakwood Ave	Syracuse	B - Residential	2	67	61	62	60	-1	----	59	-2	----
603 Oakwood Ave	Syracuse	B - Residential	2	67	62	62	61	-1	----	57	-5	----
617 Oakwood Ave	Syracuse	B - Residential	1	67	61	61	61	0	----	58	-3	----
620 Oakwood Ave	Syracuse	B - Residential	2	67	61	61	61	0	----	59	-2	----
623 Oakwood Ave	Syracuse	B - Residential	2	67	62	62	61	-1	----	58	-4	----
626 Oakwood Ave	Syracuse	B - Residential	1	67	62	62	62	0	----	59	-3	----
631 Oakwood Ave	Syracuse	B - Residential	2	67	65	66	64	-1	----	60	-5	----
632 Oakwood Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	60	-3	----
633 Oakwood Ave	Syracuse	B - Residential	1	67	66	67	65	-1	----	61	-5	----
637 Oakwood Ave	Syracuse	B - Residential	2	67	68	68	**67**	-1	**Impact**	63	-5	----
203 Old 7th North St	Salina	B - Residential	1	67	64	64	64	0	----	64	0	----
105 Old Liverpool Rd	Salina	B - Residential	1	67	59	58	58	-1	----	58	-1	----
107 Old Liverpool Rd	Salina	B - Residential	1	67	59	58	58	-1	----	58	-1	----
110 Old Liverpool Rd	Salina	C - Outdoor Dining	1	67	61	61	61	0	----	61	0	----
1223 Old Stonehouse Rd	De Witt	B - Residential	2	67	59	59	60	1	----	61	2	----
1235 Old Stonehouse Rd	De Witt	B - Residential	2	67	66	66	**67**	1	**Impact**	**68**	2	**Impact**
7951 Oldfield Way	Cicero	B - Residential	1	67	68	68	**69**	1	**Impact**	**69**	1	**Impact**
7955 Oldfield Way	Cicero	B - Residential	1	67	72	72	**73**	1	**Impact**	**73**	1	**Impact**
7959 Oldfield Way	Cicero	B - Residential	1	67	72	72	**73**	1	**Impact**	**72**	0	**Impact**
R268	Cicero	B - Residential	1	67	71	71	**72**	1	**Impact**	**72**	1	**Impact**
R269	Cicero	B - Residential	1	67	70	69	**70**	0	**Impact**	**70**	0	**Impact**
R270	Cicero	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
102 Olympia Ave	De Witt	B - Residential	1	67	58	59	59	1	----	60	2	----
103 Olympia Ave	De Witt	B - Residential	1	67	61	61	61	0	----	62	1	----
104 Olympia Ave	De Witt	B - Residential	1	67	59	60	60	1	----	61	2	----
105 Olympia Ave	De Witt	B - Residential	1	67	62	62	62	0	----	63	1	----
101 Otis St	Salina	B - Residential	1	67	61	61	61	0	----	61	0	----
103 Otis St	Salina	B - Residential	2	67	62	62	62	0	----	62	0	----
104 Otis St	Salina	B - Residential	2	67	60	60	60	0	----	60	0	----
106 Otis St	Salina	B - Residential	2	67	59	60	60	1	----	60	1	----
109 Otis St	Salina	B - Residential	2	67	61	61	61	0	----	61	0	----
103 Otisco St	Syracuse	C - Childrens Center	3	67	57	56	55	-2	----	56	-1	----
107 Park Ave	Syracuse	B - Residential	2	67	64	64	63	-1	----	64	0	----
109 Park Ave	Syracuse	B - Residential	2	67	64	64	64	0	----	64	0	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
2100 Park St	Syracuse	C - Outdoor Dining	1	67	68	68	**67**	-1	**Impact**	**68**	0	**Impact**
503 Pearl St	Syracuse	C - Park/Seating	1	67	68	68	**69**	1	**Impact**	**69**	1	**Impact**
339 Peat St	Syracuse	C - Picnic Area	1	67	60	60	60	0	----	60	0	----
6450 Pheasant Rd	De Witt	B - Residential	1	67	62	63	63	1	----	64	2	----
6451 Pheasant Rd	De Witt	B - Residential	1	67	72	72	**72**	0	**Impact**	**74**	2	**Impact**
2 Pickwick Rd	De Witt	B - Residential	1	67	61	61	61	0	----	62	1	----
4 Pickwick Rd	De Witt	B - Residential	1	67	58	59	59	1	----	59	1	----
6 Pickwick Rd	De Witt	B - Residential	1	67	58	59	59	1	----	60	2	----
8 Pickwick Rd	De Witt	B - Residential	1	67	59	60	60	1	----	61	2	----
10 Pickwick Rd	De Witt	B - Residential	1	67	60	60	60	0	----	61	1	----
11 Pickwick Rd	De Witt	B - Residential	1	67	62	62	62	0	----	62	0	----
12 Pickwick Rd	De Witt	B - Residential	1	67	60	60	60	0	----	61	1	----
13 Pickwick Rd	De Witt	B - Residential	1	67	62	62	62	0	----	62	0	----
14 Pickwick Rd	De Witt	B - Residential	1	67	59	60	60	1	----	61	2	----
15 Pickwick Rd	De Witt	B - Residential	1	67	62	62	62	0	----	62	0	----
16 Pickwick Rd	De Witt	B - Residential	1	67	59	59	59	0	----	60	1	----
17 Pickwick Rd	De Witt	B - Residential	1	67	63	63	63	0	----	63	0	----
18 Pickwick Rd	De Witt	B - Residential	1	67	58	59	59	1	----	60	2	----
19 Pickwick Rd	De Witt	B - Residential	1	67	65	65	65	0	----	65	0	----
20 Pickwick Rd	De Witt	B - Residential	1	67	58	59	59	1	----	60	2	----
21 Pickwick Rd	De Witt	B - Residential	1	67	64	65	65	1	----	65	1	----
22 Pickwick Rd	De Witt	B - Residential	1	67	56	56	56	0	----	57	1	----
23 Pickwick Rd	De Witt	B - Residential	1	67	65	65	65	0	----	65	0	----
24 Pickwick Rd	De Witt	B - Residential	1	67	60	60	60	0	----	61	1	----
26 Pickwick Rd	De Witt	B - Residential	1	67	61	61	62	1	----	62	1	----
27 Pickwick Rd	De Witt	B - Residential	1	67	63	63	63	0	----	64	1	----
30 Pickwick Rd	De Witt	B - Residential	1	67	60	60	60	0	----	62	2	----
34 Pickwick Rd	De Witt	B - Residential	1	67	60	60	60	0	----	62	2	----
36 Pickwick Rd	De Witt	B - Residential	1	67	61	61	61	0	----	63	2	----
38 Pickwick Rd	De Witt	B - Residential	1	67	61	61	62	1	----	63	2	----
R209	Cicero	B - Residential	1	67	55	55	56	1	----	56	1	----
R208	Cicero	B - Residential	1	67	57	57	58	1	----	58	1	----
R207	Cicero	B - Residential	1	67	57	57	58	1	----	58	1	----
R206	Cicero	B - Residential	1	67	58	57	59	1	----	59	1	----
R254	Cicero	B - Residential	1	67	60	59	60	0	----	59	-1	----
R255	Cicero	B - Residential	1	67	56	56	57	1	----	57	1	----
5923 Pine Grove Rd E	Cicero	B - Residential	1	67	71	71	**74**	3	**Impact**	**73**	2	**Impact**
5929 Pine Grove Rd E	Cicero	B - Residential	1	67	67	66	**68**	1	**Impact**	**67**	0	**Impact**
5932 Pine Grove Rd E	Cicero	B - Residential	1	67	72	72	**73**	1	**Impact**	**73**	1	**Impact**
7923 Pine Grove Rd E	Cicero	B - Residential	1	67	65	64	65	0	----	65	0	----
5948 Pine Grove Rd E (1 of 2)	Cicero	B - Residential	1	67	63	62	63	0	----	63	0	----
5948 Pine Grove Rd E (2 of 2)	Cicero	B - Residential	1	67	61	61	62	1	----	61	0	----
5883 Pine Grove Rd W	Cicero	B - Residential	1	67	60	59	61	1	----	61	1	----
5887 Pine Grove Rd W	Cicero	B - Residential	1	67	62	62	64	2	----	64	2	----
5895 Pine Grove Rd W	Cicero	B - Residential	1	67	65	65	**68**	3	**Impact**	**68**	3	**Impact**
5899 Pine Grove Rd W	Cicero	B - Residential	1	67	68	67	**72**	4	**Impact**	**71**	3	**Impact**
310 Plum St	Syracuse	B - Residential	3	67	60	61	**66**	6	**Impact**	65	5	----
312 Plum St	Syracuse	C - Church/Playground	1	67	63	64	**67**	4	**Impact**	**67**	4	**Impact**
490 Plum St	Syracuse	C - Picnic Area	1	67	62	63	64	2	----	64	2	----
501 Plum St	Syracuse	C - Park/Trail	2	67	62	62	64	2	----	63	1	----
515 Plum St	Syracuse	C - Trail	2	67	53	54	57	4	----	56	3	----
5937 Pony Ln	Cicero	B - Residential	1	67	64	63	64	0	----	64	0	----

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

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5941 Pony Ln	Cicero	B - Residential	1	67	61	60	61	0	----	61	0	----
5945 Pony Ln	Cicero	B - Residential	1	67	61	60	61	0	----	61	0	----
R260	Cicero	B - Residential	1	67	59	58	59	0	----	59	0	----
R256	Cicero	B - Residential	1	67	58	57	58	0	----	58	0	----
R257	Cicero	B - Residential	1	67	57	57	58	1	----	57	0	----
R261	Cicero	B - Residential	1	67	57	57	58	1	----	58	1	----
R258	Cicero	B - Residential	1	67	56	55	57	1	----	56	0	----
R259	Cicero	B - Residential	1	67	60	60	61	1	----	60	0	----
5302 Poster Ln	De Witt	B - Residential	1	67	58	58	58	0	----	58	0	----
5304 Poster Ln	De Witt	B - Residential	1	67	53	54	54	1	----	54	1	----
5306 Poster Ln	De Witt	B - Residential	1	67	55	56	56	1	----	56	1	----
5308 Poster Ln	De Witt	B - Residential	1	67	56	57	57	1	----	57	1	----
50 Presidential Ct	Syracuse	B - Residential	10	67	63	64	**67**	4	**Impact**	54	-9	----
512 Prospect Ave	Syracuse	C - Public Bench	1	67	56	57	57	1	----	57	1	----
209 Pulaski St	Syracuse	B - Residential	2	67	57	57	57	0	----	58	1	----
213 Pulaski St	Syracuse	B - Residential	2	67	57	58	57	0	----	58	1	----
219 Pulaski St	Syracuse	B - Residential	2	67	58	58	57	-1	----	59	1	----
1300 Rams Gulch Rd	De Witt	B - Residential	1	67	60	61	61	1	----	62	2	----
1302 Rams Gulch Rd	De Witt	B - Residential	1	67	61	62	62	1	----	63	2	----
1304 Rams Gulch Rd	De Witt	B - Residential	1	67	61	61	61	0	----	63	2	----
R110	North Syracuse	B - Residential	1	67	58	58	58	0	----	58	0	----
5 Reddick Dr	North Syracuse	B - Residential	1	67	63	62	62	-1	----	62	-1	----
R109	North Syracuse	B - Residential	1	67	58	58	58	0	----	58	0	----
7 Reddick Dr	North Syracuse	B - Residential	1	67	63	62	62	-1	----	62	-1	----
R108	North Syracuse	B - Residential	3	67	58	58	58	0	----	58	0	----
9 Reddick Dr	North Syracuse	B - Residential	1	67	63	62	62	-1	----	62	-1	----
R107	North Syracuse	B - Residential	1	67	58	58	58	0	----	58	0	----
11 Reddick Dr	North Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
R106	North Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
15 Reddick Dr	North Syracuse	B - Residential	1	67	62	61	61	-1	----	61	-1	----
325 Renwick Ave	Syracuse	C - Medical University	3	67	60	60	60	0	----	55	-5	----
426 Richfield Blvd	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
427 Richfield Blvd	Salina	B - Residential	1	67	61	61	61	0	----	61	0	----
429 Richfield Blvd	Salina	B - Residential	1	67	62	62	62	0	----	62	0	----
431 Richfield Blvd	Salina	B - Residential	1	67	63	63	63	0	----	63	0	----
6104 Ridgecrest Dr	Cicero	B - Residential	1	67	58	58	59	1	----	59	1	----
6108 Ridgecrest Dr	Cicero	B - Residential	1	67	58	58	59	1	----	59	1	----
6109 Ridgecrest Dr	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
6112 Ridgecrest Dr	Cicero	B - Residential	1	67	58	59	59	1	----	59	1	----
6113 Ridgecrest Dr	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
6115 Ridgecrest Dr	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
6116 Ridgecrest Dr	Cicero	B - Residential	1	67	58	59	59	1	----	59	1	----
6120 Ridgecrest Dr	Cicero	B - Residential	1	67	59	59	59	0	----	60	1	----
6121 Ridgecrest Dr	Cicero	B - Residential	1	67	56	56	57	1	----	57	1	----
6124 Ridgecrest Dr	Cicero	B - Residential	1	67	58	59	59	1	----	59	1	----
6125 Ridgecrest Dr	Cicero	B - Residential	1	67	56	56	57	1	----	57	1	----
6128 Ridgecrest Dr	Cicero	B - Residential	1	67	58	58	59	1	----	59	1	----
6129 Ridgecrest Dr	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
6132 Ridgecrest Dr	Cicero	B - Residential	1	67	58	58	59	1	----	59	1	----
6133 Ridgecrest Dr	Cicero	B - Residential	1	67	55	55	56	1	----	56	1	----
6136 Ridgecrest Dr	Cicero	B - Residential	1	67	58	58	58	0	----	59	1	----
6137 Ridgecrest Dr	Cicero	B - Residential	1	67	55	55	55	0	----	56	1	----

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6140 Ridgecrest Dr	Cicero	B - Residential	1	67	57	57	58	1	----	58	1	----
6141 Ridgecrest Dr	Cicero	B - Residential	1	67	55	55	55	0	----	56	1	----
6144 Ridgecrest Dr	Cicero	B - Residential	1	67	57	57	57	0	----	58	1	----
6145 Ridgecrest Dr	Cicero	B - Residential	1	67	55	55	55	0	----	56	1	----
6149 Ridgecrest Dr	Cicero	B - Residential	1	67	55	55	56	1	----	56	1	----
6152 Ridgecrest Dr	Cicero	B - Residential	1	67	56	56	57	1	----	57	1	----
R47	Cicero	B - Residential	1	67	54	54	54	0	----	55	1	----
6156 Ridgecrest Dr	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
R48	Cicero	B - Residential	1	67	54	54	54	0	----	54	0	----
6160 Ridgecrest Dr	Cicero	B - Residential	1	67	55	56	56	1	----	56	1	----
R49	Cicero	B - Residential	1	67	54	54	54	0	----	54	0	----
6164 Ridgecrest Dr	Syracuse	B - Residential	1	67	55	55	55	0	----	55	0	----
R50	Cicero	B - Residential	1	67	53	54	54	1	----	54	1	----
6168 Ridgecrest Dr	Syracuse	B - Residential	1	67	54	54	55	1	----	55	1	----
R51	Cicero	B - Residential	1	67	53	54	54	1	----	54	1	----
6172 Ridgecrest Dr	Cicero	B - Residential	1	67	54	54	55	1	----	55	1	----
R52	Cicero	B - Residential	1	67	53	53	54	1	----	54	1	----
6176 Ridgecrest Dr	Cicero	B - Residential	1	67	53	54	54	1	----	54	1	----
R53	Cicero	B - Residential	1	67	53	53	53	0	----	53	0	----
6180 Ridgecrest Dr	Cicero	B - Residential	1	67	53	53	53	0	----	53	0	----
R54	Cicero	B - Residential	1	67	53	53	53	0	----	53	0	----
R59	Cicero	B - Residential	1	67	52	52	53	1	----	52	0	----
R55	Cicero	B - Residential	1	67	52	53	53	1	----	53	1	----
R56	Cicero	B - Residential	1	67	52	53	53	1	----	53	1	----
R57	Cicero	B - Residential	1	67	52	53	53	1	----	53	1	----
R60	Cicero	B - Residential	1	67	52	52	52	0	----	52	0	----
R58	Cicero	B - Residential	1	67	52	52	53	1	----	53	1	----
R61	Cicero	B - Residential	1	67	52	52	52	0	----	52	0	----
R46	Cicero	B - Residential	1	67	54	54	55	1	----	55	1	----
5843 Rita Ln	Cicero	B - Residential	1	67	62	62	62	0	----	62	0	----
5847 Rita Ln	Cicero	B - Residential	1	67	60	60	60	0	----	59	-1	----
5848 Rita Ln	Cicero	B - Residential	1	67	60	60	60	0	----	61	1	----
5851 Rita Ln	Cicero	B - Residential	1	67	59	59	59	0	----	58	-1	----
149 Robbins Ln	De Witt	B - Residential	1	67	58	58	58	0	----	59	1	----
6148 Rock Cut Rd	De Witt	B - Residential	1	67	62	62	62	0	----	63	1	----
6153 Rock Cut Rd	De Witt	B - Residential	2	67	62	62	62	0	----	64	2	----
6156 Rock Cut Rd	De Witt	B - Residential	1	67	62	62	63	1	----	63	1	----
6160 Rock Cut Rd	De Witt	B - Residential	1	67	62	63	63	1	----	63	1	----
6169 Rock Cut Rd	De Witt	B - Residential	1	67	62	62	62	0	----	63	1	----
6173 Rock Cut Rd	De Witt	B - Residential	1	67	61	62	62	1	----	63	2	----
6177 Rock Cut Rd	De Witt	B - Residential	1	67	61	62	62	1	----	63	2	----
6181 Rock Cut Rd	De Witt	B - Residential	3	67	61	62	62	1	----	63	2	----
6201 Rock Cut Rd	De Witt	B - Residential	1	67	62	62	62	0	----	63	1	----
6120 Rock Cut Rd -Tlpk 01	De Witt	B - Residential	1	67	62	62	63	1	----	64	2	----
6120 Rock Cut Rd -Tlpk 02	De Witt	B - Residential	1	67	63	64	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 03	De Witt	B - Residential	1	67	63	63	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 04	De Witt	B - Residential	1	67	64	64	65	1	----	**66**	2	**Impact**
6120 Rock Cut Rd -Tlpk 05	De Witt	B - Residential	1	67	65	66	**66**	1	**Impact**	**67**	2	**Impact**
6120 Rock Cut Rd -Tlpk 06	De Witt	B - Residential	1	67	67	68	**68**	1	**Impact**	**69**	2	**Impact**
6120 Rock Cut Rd -Tlpk 07	De Witt	B - Residential	1	67	66	67	**67**	1	**Impact**	**68**	2	**Impact**
6120 Rock Cut Rd -Tlpk 08	De Witt	B - Residential	1	67	67	68	**68**	1	**Impact**	**69**	2	**Impact**
6120 Rock Cut Rd -Tlpk 09	De Witt	B - Residential	1	67	67	68	**68**	1	**Impact**	**69**	2	**Impact**

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
6120 Rock Cut Rd -Tlpk 10	De Witt	B - Residential	1	67	67	68	**68**	1	**Impact**	**69**	2	**Impact**
6120 Rock Cut Rd -Tlpk 11	De Witt	B - Residential	1	67	65	65	**66**	1	**Impact**	**67**	2	**Impact**
6120 Rock Cut Rd -Tlpk 12	De Witt	B - Residential	1	67	62	63	63	1	----	64	2	----
6120 Rock Cut Rd -Tlpk 13	De Witt	B - Residential	1	67	63	64	64	1	----	64	1	----
6120 Rock Cut Rd -Tlpk 14	De Witt	B - Residential	1	67	63	64	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 15	De Witt	B - Residential	1	67	64	64	65	1	----	**66**	2	**Impact**
6120 Rock Cut Rd -Tlpk 16	De Witt	B - Residential	1	67	65	65	65	0	----	**67**	2	**Impact**
6120 Rock Cut Rd -Tlpk 17	De Witt	B - Residential	1	67	66	66	**67**	1	**Impact**	**68**	2	**Impact**
6120 Rock Cut Rd -Tlpk 18	De Witt	B - Residential	1	67	66	66	**66**	0	**Impact**	**68**	2	**Impact**
6120 Rock Cut Rd -Tlpk 19	De Witt	B - Residential	1	67	63	64	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 20	De Witt	B - Residential	1	67	65	65	**66**	1	**Impact**	**67**	2	**Impact**
6120 Rock Cut Rd -Tlpk 21	De Witt	B - Residential	1	67	64	64	64	0	----	**66**	2	**Impact**
6120 Rock Cut Rd -Tlpk 22	De Witt	B - Residential	1	67	65	65	**66**	1	**Impact**	**67**	2	**Impact**
6120 Rock Cut Rd -Tlpk 23	De Witt	B - Residential	1	67	63	64	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 24	De Witt	B - Residential	1	67	63	64	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 25	De Witt	B - Residential	1	67	64	65	65	1	----	**66**	2	**Impact**
6120 Rock Cut Rd -Tlpk 26	De Witt	B - Residential	1	67	63	63	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 27	De Witt	B - Residential	1	67	64	65	65	1	----	**66**	2	**Impact**
6120 Rock Cut Rd -Tlpk 28	De Witt	B - Residential	1	67	63	64	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 29	De Witt	B - Residential	1	67	63	64	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 30	De Witt	B - Residential	1	67	63	64	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 31	De Witt	B - Residential	1	67	63	63	63	0	----	65	2	----
6120 Rock Cut Rd -Tlpk 32	De Witt	B - Residential	1	67	62	63	63	1	----	64	2	----
6120 Rock Cut Rd -Tlpk 33	De Witt	B - Residential	1	67	63	63	63	0	----	65	2	----
R220	De Witt	B - Residential	1	67	60	60	61	1	----	62	2	----
R221	De Witt	B - Residential	1	67	60	61	61	1	----	62	2	----
R222	De Witt	B - Residential	1	67	60	60	61	1	----	62	2	----
R223	De Witt	B - Residential	1	67	58	59	59	1	----	60	2	----
R224	De Witt	B - Residential	1	67	58	58	59	1	----	60	2	----
R225	De Witt	B - Residential	1	67	59	60	60	1	----	61	2	----
R226	De Witt	B - Residential	1	67	58	59	59	1	----	60	2	----
R227	De Witt	B - Residential	1	67	59	60	60	1	----	61	2	----
R228	De Witt	B - Residential	1	67	59	60	60	1	----	61	2	----
R229	De Witt	B - Residential	1	67	59	60	60	1	----	61	2	----
R230	De Witt	B - Residential	1	67	59	59	60	1	----	61	2	----
R231	De Witt	B - Residential	1	67	59	59	60	1	----	61	2	----
R232	De Witt	B - Residential	1	67	59	60	60	1	----	61	2	----
R233	De Witt	B - Residential	1	67	59	60	60	1	----	61	2	----
R234	De Witt	B - Residential	1	67	60	60	61	1	----	62	2	----
R235	De Witt	B - Residential	1	67	60	61	61	1	----	62	2	----
R236	De Witt	B - Residential	1	67	61	61	62	1	----	63	2	----
R237	De Witt	B - Residential	1	67	61	62	62	1	----	63	2	----
R238	De Witt	B - Residential	1	67	61	62	62	1	----	63	2	----
R239	De Witt	B - Residential	1	67	62	62	62	0	----	63	1	----
R240	De Witt	B - Residential	1	67	61	61	62	1	----	63	2	----
122 Rose Ave	Syracuse	B - Residential	2	67	61	62	59	-2	----	51	-10	----
127 Rose Ave	Syracuse	B - Residential	1	67	61	61	58	-3	----	52	-9	----
132 Rose Ave	Syracuse	B - Residential	1	67	61	61	58	-3	----	53	-8	----
141 Rose Ave	Syracuse	B - Residential	2	67	62	62	59	-3	----	53	-9	----
142 Rose Ave	Syracuse	B - Residential	2	67	64	64	61	-3	----	58	-6	----
145 Rose Ave	Syracuse	B - Residential	2	67	63	63	60	-3	----	55	-8	----
R101	North Syracuse	B - Residential	1	67	56	56	56	0	----	56	0	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
R99	North Syracuse	B - Residential	1	67	56	56	56	0	----	56	0	----
R98	North Syracuse	B - Residential	1	67	57	57	57	0	----	57	0	----
R97	North Syracuse	B - Residential	1	67	58	58	58	0	----	58	0	----
R102	North Syracuse	B - Residential	1	67	57	56	57	0	----	56	-1	----
R103	North Syracuse	B - Residential	1	67	58	58	58	0	----	58	0	----
R96	North Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
R104	North Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
R95	North Syracuse	B - Residential	1	67	60	59	59	-1	----	59	-1	----
R105	North Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
R94	North Syracuse	B - Residential	1	67	61	60	61	0	----	61	0	----
125 Roxann Ave	North Syracuse	B - Residential	2	67	62	62	62	0	----	62	0	----
201 Roxann Ave	North Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
204 Roxann Ave	North Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
205 Roxann Ave	North Syracuse	B - Residential	1	67	65	64	65	0	----	65	0	----
208 Roxann Ave	North Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
209 Roxann Ave	North Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
212 Roxann Ave	North Syracuse	B - Residential	1	67	66	65	65	-1	----	65	-1	----
213 Roxann Ave	North Syracuse	B - Residential	1	67	68	67	**67**	-1	**Impact**	**67**	-1	**Impact**
216 Roxann Ave	North Syracuse	B - Residential	1	67	67	66	**66**	-1	**Impact**	**66**	-1	**Impact**
217 Roxann Ave	North Syracuse	B - Residential	1	67	70	70	**70**	0	**Impact**	**70**	0	**Impact**
220 Roxann Ave	North Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
221 Roxann Ave	North Syracuse	B - Residential	1	67	72	72	**72**	0	**Impact**	**72**	0	**Impact**
224 Roxann Ave	North Syracuse	B - Residential	1	67	70	69	**69**	-1	**Impact**	**69**	-1	**Impact**
225 Roxann Ave	North Syracuse	B - Residential	1	67	72	71	**71**	-1	**Impact**	**71**	-1	**Impact**
114 Roxboro Cir	Salina	B - Residential	2	67	62	62	62	0	----	62	0	----
118 Roxboro Cir	Salina	B - Residential	2	67	59	60	60	1	----	60	1	----
120 Roxboro Cir	Salina	B - Residential	2	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
121 Roxboro Cir	Salina	B - Residential	2	67	62	63	63	1	----	62	0	----
122 Roxboro Cir	Salina	B - Residential	2	67	67	68	**68**	1	**Impact**	**68**	1	**Impact**
123 Roxboro Cir	Salina	B - Residential	2	67	63	63	63	0	----	63	0	----
124 Roxboro Cir	Salina	B - Residential	2	67	66	67	**67**	1	**Impact**	**66**	0	**Impact**
125 Roxboro Cir	Salina	B - Residential	3	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
Roxboro Middle School-01	Salina	C - School and Sports Fields	10	67	62	62	62	0	----	62	0	----
Roxboro Middle School-02	Salina	C - School and Sports Fields	10	67	65	66	**66**	1	**Impact**	**66**	1	**Impact**
Running Brook Perim 1	Cicero	B - Residential	1	67	58	60	58	0	----	58	0	----
Running Brook Perim 2	Cicero	B - Residential	1	67	55	56	55	0	----	55	0	----
Running Brook Perim 3	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
100 S Clinton St	Syracuse	C - Outdoor Seating	1	67	67	66	**69**	2	**Impact**	**69**	2	**Impact**
119 S Clinton St	Syracuse	C - Park	2	67	61	61	63	2	----	63	2	----
250 S Clinton St	Syracuse	C - Park	1	67	64	64	**66**	2	**Impact**	**68**	4	**Impact**
307 S Clinton St	Syracuse	C - Outdoor Dining	1	67	70	69	**71**	1	**Impact**	**71**	1	**Impact**
313 S Clinton St	Syracuse	C - Outdoor Dining	2	67	68	68	**69**	1	**Impact**	**69**	1	**Impact**
318 S Clinton St	Syracuse	C - Outdoor Dining	3	67	65	65	65	0	----	65	0	----
400 S Clinton St	Syracuse	C - Outdoor Dining	2	67	59	59	59	0	----	60	1	----
401 S Clinton St	Syracuse	C - Outdoor Dining	2	67	65	64	**67**	2	**Impact**	**68**	3	**Impact**
550 S Clinton St	Syracuse	B - Residential	10	67	65	65	65	0	----	**66**	1	**Impact**
520 S Collingwood Ave	Syracuse	B - Residential	2	67	58	58	58	0	----	58	0	----
523 S Collingwood Ave	Syracuse	B - Residential	1	67	58	58	58	0	----	58	0	----
527 S Collingwood Ave	Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
528 S Collingwood Ave	Syracuse	B - Residential	1	67	59	59	58	-1	----	58	-1	----
529 S Collingwood Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
539 S Collingwood Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
301 S Crouse Ave	Syracuse	C - Outdoor Vendor	1	67	64	64	65	1	----	**66**	2	**Impact**
309 S Crouse Ave	Syracuse	B - Residential	1	67	60	61	61	1	----	64	4	----
310 S Crouse Ave	Syracuse	C - Medical	1	67	53	53	54	1	----	56	3	----
410 S Crouse Ave	Syracuse	B - Residential	5	67	59	60	62	3	----	64	5	----
501 S Crouse Ave	Syracuse	B - Residential	8	67	54	56	59	5	----	62	8	**Impact**
614 S Crouse Ave	Syracuse	B - Residential Outdoor Seating	3	67	54	54	55	1	----	56	2	----
649 S Crouse Ave	Syracuse	C - Bench	1	67	60	60	60	0	----	60	0	----
727 S Crouse Ave	Syracuse	C - Outdoor Seating	2	67	53	54	52	-1	----	55	2	----
732 S Crouse Ave	Syracuse	C - Outdoor Dining	3	67	54	56	54	0	----	56	2	----
737 S Crouse Ave	Syracuse	C - Benches	2	67	60	59	60	0	----	61	1	----
746 S Crouse Ave	Syracuse	C - Outdoor Seating	3	67	58	58	58	0	----	59	1	----
801 S Crouse Ave	Syracuse	C - School	1	67	53	54	52	-1	----	54	1	----
802 S Crouse Ave	Syracuse	C - Outdoor Dining	3	67	56	57	56	0	----	57	1	----
520 S Edwards Ave	Syracuse	B - Residential	2	67	57	57	57	0	----	57	0	----
523 S Edwards Ave	Syracuse	B - Residential	1	67	58	58	58	0	----	58	0	----
528 S Edwards Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
529 S Edwards Ave	Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
1101 S McBride St	Syracuse	C - Playground	2	67	63	64	64	1	----	60	-3	----
1406 S McBride St	Syracuse	C - Youth Center	3	67	60	60	58	-2	----	54	-6	----
1409 S McBride St	Syracuse	B - Residential	1	67	66	66	62	-4	----	56	-10	----
1423 S McBride St	Syracuse	B - Residential	1	67	65	66	61	-4	----	53	-12	----
1425 S McBride St	Syracuse	B - Residential	1	67	65	65	61	-4	----	52	-13	----
1427 S McBride St	Syracuse	B - Residential	1	67	65	65	61	-4	----	52	-13	----
1429 S McBride St	Syracuse	B - Residential	1	67	65	65	61	-4	----	52	-13	----
1430 S McBride St	Syracuse	B - Residential	1	67	64	65	61	-3	----	58	-6	----
1432 S McBride St	Syracuse	B - Residential	1	67	65	65	62	-3	----	60	-5	----
1434 S McBride St	Syracuse	B - Residential	1	67	65	65	62	-3	----	61	-4	----
1435 S McBride St	Syracuse	B - Residential	1	67	65	65	61	-4	----	52	-13	----
1055 S McBride St (01 of 16)	Syracuse	B - Residential	8	67	63	63	64	1	----	61	-2	----
1055 S McBride St (02 of 16)	Syracuse	B - Residential	10	67	66	66	**66**	0	**Impact**	63	-3	----
1055 S McBride St (03 of 16)	Syracuse	B - Residential	10	67	68	69	**70**	2	**Impact**	**69**	1	**Impact**
1055 S McBride St (04 of 16)	Syracuse	B - Residential	9	67	62	62	62	0	----	57	-5	----
1055 S McBride St (05 of 16)	Syracuse	B - Residential	2	67	63	64	64	1	----	60	-3	----
1055 S McBride St (06 of 16)	Syracuse	B - Residential	2	67	67	68	**69**	2	**Impact**	**68**	1	**Impact**
1055 S McBride St (07 of 16)	Syracuse	B - Residential	1	67	67	67	**68**	1	**Impact**	**67**	0	**Impact**
1055 S McBride St (08 of 16)	Syracuse	B - Residential	6	67	61	62	62	1	----	57	-4	----
1055 S McBride St (09 of 16)	Syracuse	B - Residential	2	67	63	63	63	0	----	59	-4	----
1055 S McBride St (10 of 16)	Syracuse	B - Residential	1	67	66	67	**68**	2	**Impact**	**67**	1	**Impact**
1055 S McBride St (11 of 16)	Syracuse	B - Residential	6	67	61	61	61	0	----	56	-5	----
1055 S McBride St (12 of 16)	Syracuse	B - Residential	8	67	63	64	64	1	----	59	-4	----
1055 S McBride St (13 of 16)	Syracuse	B - Residential	6	67	66	67	**68**	2	**Impact**	**67**	1	**Impact**
1055 S McBride St (14 of 16)	Syracuse	B - Residential	8	67	61	61	62	1	----	57	-4	----
1055 S McBride St (15 of 16)	Syracuse	B - Residential	8	67	63	64	64	1	----	60	-3	----
1055 S McBride St (16 of 16)	Syracuse	B - Residential	8	67	67	68	**68**	1	**Impact**	**67**	0	**Impact**
523 S Midler Ave	Syracuse	B - Residential	2	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
524 S Midler Ave	Syracuse	B - Residential	2	67	67	66	**66**	-1	**Impact**	**66**	-1	**Impact**
528 S Midler Ave	Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
101 S Salina St	Syracuse	C - Outdoor Seating	3	67	65	65	**66**	1	**Impact**	65	0	----
200 S Salina St	Syracuse	C - Park	3	67	63	63	63	0	----	65	2	----
201 S Salina St	Syracuse	C - Outdoor Dining	3	67	65	66	**66**	1	**Impact**	**68**	3	**Impact**
301 S Salina St	Syracuse	C - Outdoor Seating	1	67	68	67	**68**	0	**Impact**	**70**	2	**Impact**
401 S Salina St	Syracuse	C - Outdoor Seating	1	67	67	66	**67**	0	**Impact**	**68**	1	**Impact**

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
482 S Salina St	Syracuse	C - Public Sitting Area	1	67	65	65	65	0	----	**66**	1	**Impact**
484 S Salina St	Syracuse	C - Outdoor Seating	1	67	64	65	65	1	----	**67**	3	**Impact**
601 S Salina St	Syracuse	C - Park	1	67	70	71	**72**	2	**Impact**	**71**	1	**Impact**
2905 S Salina St	Syracuse	B - Residential	2	67	60	60	61	1	----	57	-3	----
2907 S Salina St	Syracuse	B - Residential	1	67	61	61	61	0	----	58	-3	----
2915 S Salina St	Syracuse	B - Residential	2	67	61	62	62	1	----	58	-3	----
2924 S Salina St	Syracuse	B - Residential	1	67	63	65	65	2	----	64	1	----
2925 S Salina St	Syracuse	B - Residential	2	67	62	62	62	0	----	59	-3	----
2929 S Salina St	Syracuse	B - Residential	2	67	63	64	64	1	----	64	1	----
2930 S Salina St	Syracuse	B - Residential	2	67	63	64	64	1	----	64	1	----
3001 S Salina St	Syracuse	B - Residential	2	67	61	62	62	1	----	58	-3	----
3002 S Salina St	Syracuse	B - Residential	1	67	63	64	63	0	----	63	0	----
3009 S Salina St	Syracuse	B - Residential	2	67	62	62	63	1	----	59	-3	----
3016 S Salina St	Syracuse	B - Residential	1	67	64	65	64	0	----	64	0	----
3017 S Salina St	Syracuse	B - Residential	1	67	64	64	64	0	----	61	-3	----
3023 S Salina St	Syracuse	B - Residential	1	67	63	64	64	1	----	61	-2	----
3100 S Salina St	Syracuse	C - Medical	1	67	63	64	64	1	----	62	-1	----
3101 S Salina St	Syracuse	B - Residential	1	67	64	64	64	0	----	62	-2	----
3109 S Salina St	Syracuse	B - Residential	1	67	64	65	65	1	----	62	-2	----
3123 S Salina St	Syracuse	B - Residential	1	67	66	66	**67**	1	**Impact**	63	-3	----
3205 S Salina St	Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	64	-3	----
3223 S Salina St	Syracuse	B - Residential	2	67	70	70	**70**	0	**Impact**	**66**	-4	**Impact**
3304 S Salina St	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	65	-1	----
3308 S Salina St	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	65	-1	----
3311 S Salina St	Syracuse	B - Residential	1	67	68	68	**69**	1	**Impact**	65	-3	----
3315 S Salina St	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	63	-3	----
3317 S Salina St	Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	63	-3	----
3318 S Salina St	Syracuse	B - Residential	2	67	66	66	**67**	1	**Impact**	65	-1	----
3320 S Salina St	Syracuse	B - Residential	1	67	66	67	**67**	1	**Impact**	65	-1	----
3321 S Salina St	Syracuse	B - Residential	1	67	65	65	**66**	1	**Impact**	62	-3	----
3330 S Salina St	Syracuse	B - Residential	2	67	65	66	**66**	1	**Impact**	65	0	----
3400 S Salina St	Syracuse	B - Residential	1	67	64	65	65	1	----	63	-1	----
3401 S Salina St	Syracuse	B - Residential	2	67	61	61	62	1	----	58	-3	----
3406 S Salina St	Syracuse	B - Residential	3	67	65	66	**66**	1	**Impact**	65	0	----
3407 S Salina St	Syracuse	B - Residential	2	67	60	61	61	1	----	58	-2	----
3411 S Salina St	Syracuse	B - Residential	2	67	60	60	61	1	----	58	-2	----
3414 S Salina St	Syracuse	B - Residential	1	67	64	65	65	1	----	63	-1	----
3415 S Salina St	Syracuse	B - Residential	2	67	60	60	60	0	----	57	-3	----
3420 S Salina St	Syracuse	B - Residential	1	67	65	66	**67**	2	**Impact**	65	0	----
3501 S Salina St	Syracuse	B - Residential	2	67	57	57	57	0	----	55	-2	----
301 S State St	Syracuse	C - Park	4	67	65	66	**66**	1	**Impact**	**67**	2	**Impact**
505 S State St	Syracuse	C - Park	3	67	64	66	**66**	2	**Impact**	**68**	4	**Impact**
555 S State St	Syracuse	C - Public Gathering Space	1	67	58	58	59	1	----	60	2	----
600 S State St	Syracuse	C - Outdoor Sitting	2	67	65	65	65	0	----	**67**	2	**Impact**
800 S State St	Syracuse	C - Convention Center	1	67	63	64	65	2	----	65	2	----
822 S State St	Syracuse	C - Public Gathering Area	1	67	67	68	**68**	1	**Impact**	**69**	2	**Impact**
900 S State St	Syracuse	C - Memorial and Statue	1	67	67	67	**68**	1	**Impact**	**68**	1	**Impact**
2127 S State St	Syracuse	B - Residential	1	67	58	59	59	1	----	55	-3	----
2201 S State St	Syracuse	B - Residential	3	67	59	59	60	1	----	56	-3	----
2211 S State St	Syracuse	B - Residential	1	67	60	60	60	0	----	56	-4	----
2215 S State St	Syracuse	B - Residential	1	67	60	60	61	1	----	56	-4	----
2219 S State St	Syracuse	B - Residential	1	67	60	61	61	1	----	57	-3	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
2223 S State St	Syracuse	B - Residential	1	67	61	61	61	0	----	58	-3	----
2301 S State St	Syracuse	B - Residential	1	67	61	62	62	1	----	57	-4	----
2302 S State St	Syracuse	B - Residential	3	67	64	64	64	0	----	62	-2	----
2306 S State St	Syracuse	B - Residential	1	67	62	63	62	0	----	60	-2	----
2307 S State St	Syracuse	B - Residential	1	67	61	62	62	1	----	57	-4	----
2310 S State St	Syracuse	B - Residential	1	67	62	62	62	0	----	59	-3	----
2311 S State St	Syracuse	B - Residential	1	67	61	61	62	1	----	57	-4	----
2321 S State St	Syracuse	B - Residential	2	67	64	64	65	1	----	60	-4	----
2325 S State St	Syracuse	B - Residential	2	67	64	64	65	1	----	60	-4	----
2401 S State St	Syracuse	B - Residential	1	67	65	66	**66**	1	**Impact**	60	-5	----
2407 S State St	Syracuse	B - Residential	2	67	66	66	**67**	1	**Impact**	61	-5	----
2411 S State St	Syracuse	B - Residential	2	67	66	66	**67**	1	**Impact**	60	-6	----
2414 S State St	Syracuse	B - Residential	1	67	65	65	65	0	----	62	-3	----
2415 S State St	Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	60	-7	----
2416 S State St	Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	62	-4	----
2420 S State St	Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	63	-4	----
2424 S State St	Syracuse	C - Park	1	67	70	70	**70**	0	**Impact**	**66**	-4	**Impact**
2500 S State St	Syracuse	C - Park	1	67	69	69	**69**	0	**Impact**	65	-4	----
2510 S State St	Syracuse	B - Residential	2	67	67	68	**68**	1	**Impact**	62	-5	----
2516 S State St	Syracuse	B - Residential	2	67	67	67	**67**	0	**Impact**	62	-5	----
701 S State St (1 of 2)	Syracuse	C - Park	4	67	60	60	61	1	----	62	2	----
701 S State St (2 of 2)	Syracuse	C - Park	4	67	55	55	56	1	----	55	0	----
301 S Townsend St	Syracuse	C - Church	1	67	65	66	**67**	2	**Impact**	**70**	5	**Impact**
507 S Townsend St	Syracuse	B - Residential	10	67	53	53	56	3	----	55	2	----
1031 S Townsend St (01 of 13)	Syracuse	B - Residential	8	67	67	69	**70**	3	**Impact**	**68**	1	**Impact**
1031 S Townsend St (02 of 13)	Syracuse	B - Residential	10	67	66	67	**69**	3	**Impact**	**67**	1	**Impact**
1031 S Townsend St (03 of 13)	Syracuse	B - Residential	10	67	66	66	**68**	2	**Impact**	**67**	1	**Impact**
1031 S Townsend St (04 of 13)	Syracuse	B - Residential	2	67	65	66	**67**	2	**Impact**	**67**	2	**Impact**
1031 S Townsend St (05 of 13)	Syracuse	B - Residential	6	67	63	64	64	1	----	62	-1	----
1031 S Townsend St (06 of 13)	Syracuse	B - Residential	2	67	58	58	59	1	----	54	-4	----
1031 S Townsend St (07 of 13)	Syracuse	B - Residential	9	67	60	61	61	1	----	57	-3	----
1031 S Townsend St (08 of 13)	Syracuse	B - Residential	2	67	57	58	59	2	----	54	-3	----
1031 S Townsend St (09 of 13)	Syracuse	B - Residential	6	67	60	60	60	0	----	57	-3	----
1101 S Townsend St (1 of 4)	Syracuse	B - Residential	6	67	57	57	58	1	----	53	-4	----
601 S Townsend St (1 of 6)	Syracuse	B - Residential	7	67	58	58	59	1	----	58	0	----
1031 S Townsend St (10 of 13)	Syracuse	B - Residential	6	67	57	57	58	1	----	53	-4	----
1031 S Townsend St (11 of 13)	Syracuse	B - Residential	6	67	60	60	60	0	----	56	-4	----
1031 S Townsend St (12 of 13)	Syracuse	B - Residential	10	67	57	58	59	2	----	53	-4	----
1031 S Townsend St (13 of 13)	Syracuse	B - Residential	8	67	60	60	60	0	----	57	-3	----
1101 S Townsend St (2 of 4)	Syracuse	B - Residential	6	67	60	60	60	0	----	58	-2	----
601 S Townsend St (2 of 6)	Syracuse	B - Residential	7	67	65	66	**67**	2	**Impact**	55	-10	----
1101 S Townsend St (3 of 4)	Syracuse	B - Residential	2	67	57	57	58	1	----	55	-2	----
601 S Townsend St (3 of 6)	Syracuse	B - Residential	7	67	57	57	58	1	----	60	3	----
1101 S Townsend St (4 of 4)	Syracuse	B - Residential	6	67	61	61	61	0	----	60	-1	----
601 S Townsend St (4 of 6)	Syracuse	B - Residential	7	67	52	52	53	1	----	48	-4	----
601 S Townsend St (5 of 6)	Syracuse	B - Residential	7	67	54	55	56	2	----	53	-1	----
601 S Townsend St (6 of 6)	Syracuse	B - Residential	7	67	61	61	62	1	----	63	2	----
701 S Warren St	Syracuse	C - School	2	67	70	70	**71**	1	**Impact**	**71**	1	**Impact**
200 S West St	Syracuse	C - Music Studio	1	67	67	67	**66**	-1	**Impact**	**67**	0	**Impact**
709 S West St	Syracuse	B - Residential	2	67	63	62	62	-1	----	64	1	----
803 S West St	Syracuse	C - School	2	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
807 S West St	Syracuse	B - Residential	2	67	63	63	63	0	----	64	1	----

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

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5926 Saffron Ct	Cicero	B - Residential	1	67	72	71	**73**	1	**Impact**	**73**	1	**Impact**
5930 Saffron Ct	Cicero	B - Residential	1	67	66	65	**67**	1	**Impact**	**67**	1	**Impact**
5935 Saffron Ct	Cicero	B - Residential	1	67	63	63	64	1	----	64	1	----
5929 Saffron Ct (1 of 2)	Cicero	B - Residential	1	67	68	68	**69**	1	**Impact**	**69**	1	**Impact**
5929 Saffron Ct (2 of 2)	Cicero	B - Residential	1	67	73	72	**73**	0	**Impact**	**73**	0	**Impact**
111 Sand St	Syracuse	B - Residential	1	67	61	61	62	1	----	62	1	----
113 Sand St	Syracuse	B - Residential	1	67	61	62	62	1	----	62	1	----
115 Sand St	Syracuse	B - Residential	1	67	62	62	63	1	----	62	0	----
116 Sand St	Syracuse	B - Residential	2	67	62	62	63	1	----	62	0	----
117 Sand St	Syracuse	B - Residential	1	67	62	62	63	1	----	63	1	----
300 Sand St	Syracuse	B - Residential	1	67	64	63	**66**	2	**Impact**	64	0	----
301 Sand St	Syracuse	B - Residential	1	67	64	64	**67**	3	**Impact**	65	1	----
303 Sand St	Syracuse	B - Residential	2	67	63	62	65	2	----	64	1	----
305 Sand St	Syracuse	B - Residential	1	67	63	62	64	1	----	64	1	----
307 Sand St	Syracuse	B - Residential	1	67	63	62	64	1	----	64	1	----
309 Sand St	Syracuse	B - Residential	1	67	63	61	64	1	----	63	0	----
311 Sand St	Syracuse	B - Residential	1	67	64	62	65	1	----	64	0	----
103 Saturn Dr	Syracuse	B - Residential	1	67	56	56	56	0	----	56	0	----
107 Saturn Dr	Syracuse	B - Residential	1	67	61	62	62	1	----	63	2	----
139 Seymour St	Syracuse	B - Residential	3	67	59	59	59	0	----	61	2	----
140 Seymour St	Syracuse	B - Residential	2	67	59	59	60	1	----	62	3	----
150 Seymour St	Syracuse	B - Residential	2	67	59	58	60	1	----	61	2	----
153 Seymour St	Syracuse	B - Residential	3	67	60	60	60	0	----	62	2	----
154 Seymour St	Syracuse	B - Residential	1	67	58	58	59	1	----	61	3	----
100 Sheridan Pl	Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
104 Sheridan Pl	Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
108 Sheridan Pl	Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
112 Sheridan Pl	Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
115 Sherwood Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	65	0	----
119 Sherwood Ave	Syracuse	B - Residential	1	67	64	64	65	1	----	65	1	----
100 Shonnard St	Syracuse	C - Place of Worship	1	67	64	65	64	0	----	65	1	----
Sleeth Mill Perim 1	North Syracuse	B - Residential	1	67	57	57	57	0	----	57	0	----
Sleeth Mill Perim 2	North Syracuse	B - Residential	1	67	54	54	54	0	----	54	0	----
Sleeth Mill Perim 3	North Syracuse	B - Residential	1	67	51	51	51	0	----	51	0	----
136 Slindes Wood Cir	North Syracuse	B - Residential	2	67	62	63	62	0	----	62	0	----
110 Slindes Woods Cir	North Syracuse	B - Residential	2	67	60	60	60	0	----	60	0	----
114 Slindes Woods Cir	North Syracuse	B - Residential	2	67	58	59	58	0	----	58	0	----
118 Slindes Woods Cir	North Syracuse	B - Residential	2	67	57	58	58	1	----	58	1	----
122 Slindes Woods Cir	North Syracuse	B - Residential	2	67	58	59	58	0	----	58	0	----
128 Slindes Woods Cir	North Syracuse	B - Residential	2	67	60	61	60	0	----	60	0	----
131 Slindes Woods Cir	North Syracuse	B - Residential	2	67	63	63	63	0	----	63	0	----
132 Slindes Woods Cir	North Syracuse	B - Residential	2	67	61	62	61	0	----	61	0	----
139 Slindes Woods Cir	North Syracuse	B - Residential	2	67	63	64	63	0	----	63	0	----
140 Slindes Woods Cir	North Syracuse	B - Residential	2	67	67	68	**67**	0	**Impact**	**67**	0	**Impact**
144 Slindes Woods Cir	North Syracuse	B - Residential	2	67	67	68	**67**	0	**Impact**	**67**	0	**Impact**
145 Slindes Woods Cir	North Syracuse	B - Residential	2	67	63	63	63	0	----	63	0	----
148 Slindes Woods Cir	North Syracuse	B - Residential	2	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
149 Slindes Woods Cir	North Syracuse	B - Residential	2	67	63	63	63	0	----	63	0	----
150 Slindes Woods Cir	North Syracuse	B - Residential	2	67	65	66	65	0	----	65	0	----
156 Slindes Woods Cir	North Syracuse	B - Residential	2	67	64	64	64	0	----	64	0	----
160 Slindes Woods Cir	North Syracuse	B - Residential	2	67	62	63	62	0	----	62	0	----
163 Slindes Woods Cir	North Syracuse	B - Residential	2	67	61	61	61	0	----	61	0	----

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164 Slindes Woods Cir	North Syracuse	B - Residential	2	67	61	61	61	0	----	61	0	----
166 Slindes Woods Cir	North Syracuse	B - Residential	2	67	60	60	60	0	----	60	0	----
167 Slindes Woods Cir	North Syracuse	B - Residential	2	67	60	61	60	0	----	60	0	----
R134	North Syracuse	B - Residential	2	67	59	59	59	0	----	59	0	----
R133	North Syracuse	B - Residential	2	67	58	59	59	1	----	58	0	----
R132	North Syracuse	B - Residential	2	67	58	58	58	0	----	58	0	----
R130	North Syracuse	B - Residential	2	67	60	60	60	0	----	60	0	----
R131	North Syracuse	B - Residential	2	67	58	58	58	0	----	58	0	----
187 Slindes Woods Cir	North Syracuse	B - Residential	2	67	61	61	61	0	----	61	0	----
R129	North Syracuse	B - Residential	2	67	57	58	58	1	----	57	0	----
191 Slindes Woods Cir	North Syracuse	B - Residential	2	67	61	62	61	0	----	61	0	----
R128	North Syracuse	B - Residential	2	67	57	57	57	0	----	57	0	----
R127	North Syracuse	B - Residential	2	67	57	58	58	1	----	57	0	----
199 Slindes Woods Cir	North Syracuse	B - Residential	2	67	62	62	62	0	----	62	0	----
R66	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
6129 Smith Rd	Cicero	B - Residential	1	67	57	57	58	1	----	57	0	----
6151 Smith Rd	Cicero	B - Residential	1	67	56	57	57	1	----	57	1	----
6153 Smith Rd	Cicero	B - Residential	1	67	59	59	60	1	----	59	0	----
6155 Smith Rd	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
6175 Smith Rd	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
6179 Smith Rd	Cicero	B - Residential	1	67	58	58	59	1	----	58	0	----
6180 Smith Rd	Cicero	B - Residential	1	67	57	57	58	1	----	57	0	----
6187 Smith Rd	Cicero	B - Residential	1	67	58	59	59	1	----	58	0	----
6188 Smith Rd	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
R64	Cicero	B - Residential	1	67	60	61	61	1	----	61	1	----
R65	Cicero	B - Residential	1	67	59	59	60	1	----	59	0	----
102 Snell Ter	Syracuse	B - Residential	1	67	54	55	54	0	----	53	-1	----
106 Snell Ter	Syracuse	B - Residential	1	67	55	55	55	0	----	54	-1	----
901 South Bay Rd	Cicero	B - Residential	1	67	63	63	63	0	----	63	0	----
5404 South Bay Rd	Salina	C - Outdoor Seating	8	67	62	62	63	1	----	62	0	----
5684 South Bay Rd	Cicero	C - Childcare	1	67	61	61	61	0	----	60	-1	----
R199	Cicero	B - Residential	1	67	60	60	58	-2	----	59	-1	----
R200	Cicero	B - Residential	1	67	61	61	58	-3	----	60	-1	----
R201	Cicero	B - Residential	1	67	61	61	58	-3	----	61	0	----
R202	Cicero	B - Residential	1	67	61	61	59	-2	----	61	0	----
R203	Cicero	B - Residential	1	67	61	61	59	-2	----	62	1	----
R204	Cicero	B - Residential	1	67	61	61	60	-1	----	61	0	----
R205	Cicero	C - Medical	1	67	63	63	63	0	----	63	0	----
5746 South Bay Rd	Cicero	B - Residential	1	67	62	62	63	1	----	63	1	----
5762 South Bay Rd	Cicero	B - Residential	1	67	65	65	**66**	1	**Impact**	65	0	----
5768 South Bay Rd	Cicero	B - Residential	1	67	67	67	**68**	1	**Impact**	**68**	1	**Impact**
5774 South Bay Rd	Cicero	B - Residential	1	67	70	69	**70**	0	**Impact**	**70**	0	**Impact**
5842 South Bay Rd	Cicero	B - Residential	1	67	68	68	**68**	0	**Impact**	**68**	0	**Impact**
5845 South Bay Rd	Cicero	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
5846 South Bay Rd	Cicero	B - Residential	1	67	70	69	**69**	-1	**Impact**	**69**	-1	**Impact**
5859 South Bay Rd	Cicero	B - Residential	1	67	73	72	**73**	0	**Impact**	**73**	0	**Impact**
5861 South Bay Rd	Cicero	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
5863 South Bay Rd	Cicero	B - Residential	1	67	64	64	64	0	----	65	1	----
5867 South Bay Rd	Cicero	B - Residential	1	67	64	63	64	0	----	64	0	----
565 Spencer St	Syracuse	B - Residential	1	67	61	61	63	2	----	62	1	----
800-06 Spencer St	Syracuse	B - Residential	4	67	61	60	62	1	----	61	0	----
812-14 Spencer St	Syracuse	B - Residential	2	67	61	60	62	1	----	62	1	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
102 Stadium Pl	Syracuse	C - School	1	67	57	57	57	0	----	57	0	----
101 Sunrise Dr	Syracuse	B - Residential	1	67	58	58	58	0	----	56	-2	----
111 Sunrise Dr	Syracuse	B - Residential	1	67	56	56	56	0	----	55	-1	----
115 Sunrise Dr	Syracuse	B - Residential	1	67	60	60	60	0	----	59	-1	----
133 Sunrise Dr	Syracuse	B - Residential	1	67	56	57	57	1	----	55	-1	----
139 Sunrise Dr	Syracuse	B - Residential	1	67	56	57	57	1	----	55	-1	----
145 Sunrise Dr	Syracuse	B - Residential	1	67	56	57	57	1	----	55	-1	----
151 Sunrise Dr	Syracuse	B - Residential	1	67	56	57	56	0	----	54	-2	----
157 Sunrise Dr	Syracuse	B - Residential	1	67	56	56	56	0	----	54	-2	----
163 Sunrise Dr	Syracuse	B - Residential	1	67	56	57	57	1	----	54	-2	----
169 Sunrise Dr	Syracuse	B - Residential	1	67	56	57	57	1	----	55	-1	----
101 Sunset Ave	Syracuse	B - Residential	1	67	67	67	**69**	2	**Impact**	**68**	1	**Impact**
103 Sunset Ave	Syracuse	B - Residential	2	67	64	64	65	1	----	64	0	----
111 Sunset Ave	Syracuse	B - Residential	1	67	66	66	**68**	2	**Impact**	**66**	0	**Impact**
204 Sunset Ave	Syracuse	B - Residential	2	67	65	65	65	0	----	64	-1	----
208 Sunset Ave	Syracuse	B - Residential	1	67	65	65	65	0	----	64	-1	----
210 Sunset Ave	Syracuse	B - Residential	1	67	65	65	**66**	1	**Impact**	64	-1	----
212 Sunset Ave	Syracuse	B - Residential	2	67	65	65	**66**	1	**Impact**	65	0	----
220 Sunset Ave	Syracuse	B - Residential	2	67	65	65	**67**	2	**Impact**	64	-1	----
304 Sunset Ave	Syracuse	B - Residential	2	67	68	68	**69**	1	**Impact**	**68**	0	**Impact**
306 Sunset Ave	Syracuse	B - Residential	2	67	67	67	**69**	2	**Impact**	**68**	1	**Impact**
308 Sunset Ave	Syracuse	B - Residential	2	67	68	68	**70**	2	**Impact**	**68**	0	**Impact**
310 Sunset Ave	Syracuse	B - Residential	1	67	67	67	**69**	2	**Impact**	**67**	0	**Impact**
312 Sunset Ave	Syracuse	B - Residential	2	67	68	67	**69**	1	**Impact**	**68**	0	**Impact**
316 Sunset Ave	Syracuse	B - Residential	1	67	67	67	**69**	2	**Impact**	**67**	0	**Impact**
318 Sunset Ave	Syracuse	B - Residential	1	67	67	67	**69**	2	**Impact**	**67**	0	**Impact**
320 Sunset Ave	Syracuse	B - Residential	3	67	67	67	**69**	2	**Impact**	**67**	0	**Impact**
400 Sunset Ave	Syracuse	B - Residential	1	67	66	65	**69**	3	**Impact**	**66**	0	**Impact**
402 Sunset Ave	Syracuse	B - Residential	1	67	65	65	**69**	4	**Impact**	65	0	----
406 Sunset Ave	Syracuse	B - Residential	1	67	65	65	**69**	4	**Impact**	65	0	----
410 Sunset Ave	Syracuse	B - Residential	1	67	60	59	62	2	----	59	-1	----
418 Sunset Ave	Syracuse	B - Residential	2	67	63	63	**66**	3	**Impact**	63	0	----
420 Sunset Ave	Syracuse	B - Residential	2	67	64	64	**68**	4	**Impact**	64	0	----
424 Sunset Ave	Syracuse	B - Residential	1	67	66	66	**69**	3	**Impact**	**67**	1	**Impact**
6096 Sunset Pl	Cicero	B - Residential	1	67	60	60	61	1	----	61	1	----
6100 Sunset Pl	Cicero	B - Residential	1	67	59	59	60	1	----	60	1	----
R219	Cicero	B - Residential	1	67	55	55	56	1	----	56	1	----
R214	Cicero	B - Residential	1	67	56	56	57	1	----	57	1	----
R213	Cicero	B - Residential	1	67	58	58	59	1	----	59	1	----
R218	Cicero	B - Residential	1	67	56	56	57	1	----	57	1	----
R212	Cicero	B - Residential	1	67	58	58	60	2	----	60	2	----
R217	Cicero	B - Residential	1	67	57	57	58	1	----	58	1	----
R211	Cicero	B - Residential	1	67	59	59	60	1	----	60	1	----
R216	Cicero	B - Residential	1	67	58	58	59	1	----	59	1	----
R210	Cicero	B - Residential	1	67	60	60	61	1	----	61	1	----
R215	Cicero	B - Residential	1	67	60	59	61	1	----	61	1	----
5883 Sutton Dr	Cicero	B - Residential	1	67	61	60	62	1	----	62	1	----
5884 Sutton Dr	Cicero	B - Residential	1	67	61	61	62	1	----	62	1	----
5887 Sutton Dr	Cicero	B - Residential	1	67	62	62	64	2	----	64	2	----
5888 Sutton Dr	Cicero	B - Residential	1	67	63	62	64	1	----	64	1	----
5892 Sutton Dr	Cicero	B - Residential	1	67	66	65	**68**	2	**Impact**	**68**	2	**Impact**
5896 Sutton Dr	Cicero	B - Residential	1	67	66	66	**69**	3	**Impact**	**69**	3	**Impact**

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5900 Sutton Dr	Cicero	B - Residential	1	67	67	66	**70**	3	**Impact**	**70**	3	**Impact**
6629 Taft Rd	East Syracuse	B - Residential	1	67	64	64	64	0	----	65	1	----
6657 Taft Rd	Cicero	B - Residential	1	67	65	66	**66**	1	**Impact**	**66**	1	**Impact**
6669 Taft Rd	Cicero	B - Residential	1	67	65	66	**66**	1	**Impact**	**66**	1	**Impact**
6709 Taft Rd	East Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
6743 Taft Rd	East Syracuse	B - Residential	1	67	66	66	**66**	0	**Impact**	**66**	0	**Impact**
17 Technology Pl	De Witt	C - Picnic Area	3	67	47	48	48	1	----	48	1	----
7581 Thompson Rd	Cicero	B - Residential	1	67	62	62	63	1	----	63	1	----
7620 Thompson Rd	Cicero	B - Residential	1	67	62	63	63	1	----	63	1	----
7622 Thompson Rd	Cicero	B - Residential	1	67	59	59	59	0	----	59	0	----
7623 Thompson Rd	Cicero	B - Residential	1	67	58	59	59	1	----	59	1	----
7624 Thompson Rd	Cicero	B - Residential	1	67	58	59	59	1	----	59	1	----
7629 Thompson Rd	Cicero	B - Residential	1	67	59	59	59	0	----	59	0	----
7636 Thompson Rd	Cicero	B - Residential	1	67	61	61	61	0	----	62	1	----
R17	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
R10	Cicero	B - Residential	1	67	53	54	54	1	----	54	1	----
7630 Thompson Rd (1 of 2)	Cicero	B - Residential	1	67	58	58	59	1	----	59	1	----
7630 Thompson Rd (2 of 2)	Cicero	B - Residential	1	67	60	60	60	0	----	60	0	----
115 Thurlow Dr	Syracuse	B - Residential	1	67	56	57	57	1	----	55	-1	----
119 Thurlow Dr	Syracuse	B - Residential	1	67	57	57	57	0	----	55	-2	----
125 Thurlow Dr	Syracuse	B - Residential	1	67	57	58	58	1	----	55	-2	----
127 Thurlow Dr	Syracuse	B - Residential	1	67	58	59	59	1	----	56	-2	----
131 Thurlow Dr	Syracuse	B - Residential	1	67	59	59	59	0	----	57	-2	----
137 Thurlow Dr	Syracuse	B - Residential	1	67	59	59	59	0	----	56	-3	----
143 Thurlow Dr	Syracuse	B - Residential	1	67	59	59	59	0	----	56	-3	----
149 Thurlow Dr	Syracuse	B - Residential	1	67	59	59	59	0	----	56	-3	----
155 Thurlow Dr	Syracuse	B - Residential	1	67	59	59	59	0	----	56	-3	----
161 Thurlow Dr	Syracuse	B - Residential	1	67	58	59	59	1	----	56	-2	----
167 Thurlow Dr	Syracuse	B - Residential	1	67	58	59	59	1	----	56	-2	----
171 Thurlow Dr	Syracuse	B - Residential	1	67	58	58	58	0	----	56	-2	----
177 Thurlow Dr	Syracuse	B - Residential	1	67	57	57	57	0	----	55	-2	----
185 Thurlow Dr	Syracuse	B - Residential	1	67	56	57	57	1	----	55	-1	----
107 Titus Aly	Syracuse	B - Residential	1	67	55	55	56	1	----	55	0	----
111 Titus Aly	Syracuse	B - Residential	1	67	56	56	57	1	----	56	0	----
113 Titus Aly	Syracuse	B - Residential	1	67	56	56	56	0	----	55	-1	----
R70	Cicero	B - Residential	1	67	54	54	55	1	----	54	0	----
R72	Cicero	B - Residential	1	67	55	56	56	1	----	55	0	----
R69	Cicero	B - Residential	1	67	54	55	55	1	----	55	1	----
R71	Cicero	B - Residential	1	67	54	55	55	1	----	55	1	----
7561 Totman Rd	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
7562 Totman Rd	Cicero	B - Residential	1	67	56	56	57	1	----	56	0	----
7565 Totman Rd	Cicero	B - Residential	1	67	57	57	58	1	----	57	0	----
7568 Totman Rd	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
7569 Totman Rd	Cicero	B - Residential	1	67	57	57	58	1	----	57	0	----
7578 Totman Rd	Cicero	B - Residential	1	67	58	58	59	1	----	58	0	----
7607 Totman Rd	Cicero	B - Residential	1	67	55	56	56	1	----	56	1	----
7608 Totman Rd	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
7609 Totman Rd	Cicero	B - Residential	1	67	55	55	55	0	----	55	0	----
7614 Totman Rd	Cicero	B - Residential	1	67	54	54	55	1	----	55	1	----
7620 Totman Rd	Cicero	B - Residential	1	67	54	54	55	1	----	55	1	----
R63	Cicero	B - Residential	1	67	51	51	51	0	----	51	0	----
7605 Totman Rd (1 of 2)	Cicero	B - Residential	1	67	57	57	58	1	----	58	1	----

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7605 Totman Rd (2 of 2)	Cicero	B - Residential	1	67	58	58	58	0	----	59	1	----
6723 Towpath Rd	De Witt	C - Outdoor Seating	1	67	56	57	56	0	----	58	2	----
6868 Towpath Rd	De Witt	B - Residential	1	67	74	74	**74**	0	**Impact**	**75**	1	**Impact**
5835 Tuller Rd	Cicero	B - Residential	1	67	61	61	61	0	----	61	0	----
5837 Tuller Rd	Cicero	B - Residential	1	67	61	62	61	0	----	61	0	----
5838 Tuller Rd	Cicero	B - Residential	1	67	62	62	62	0	----	62	0	----
5840 Tuller Rd	Cicero	B - Residential	1	67	63	63	63	0	----	62	-1	----
5842 Tuller Rd	Cicero	B - Residential	1	67	64	64	64	0	----	63	-1	----
5860 Tuller Rd	Cicero	B - Residential	1	67	65	65	65	0	----	64	-1	----
5861 Tuller Rd	Cicero	B - Residential	1	67	61	62	61	0	----	61	0	----
5866 Tuller Rd	Cicero	B - Residential	1	67	65	65	65	0	----	64	-1	----
5867 Tuller Rd	Cicero	B - Residential	1	67	65	65	65	0	----	63	-2	----
5870 Tuller Rd	Cicero	B - Residential	1	67	69	69	**69**	0	**Impact**	**67**	-2	**Impact**
5871 Tuller Rd	Cicero	B - Residential	1	67	64	64	64	0	----	63	-1	----
5879 Tuller Rd	Cicero	B - Residential	1	67	65	65	65	0	----	64	-1	----
5882 Tuller Rd	Cicero	B - Residential	1	67	71	71	**71**	0	**Impact**	**68**	-3	**Impact**
5887 Tuller Rd	Cicero	B - Residential	1	67	65	65	65	0	----	64	-1	----
5888 Tuller Rd	Cicero	B - Residential	1	67	72	72	**72**	0	**Impact**	**70**	-2	**Impact**
5889 Tuller Rd	Cicero	B - Residential	1	67	67	67	**68**	1	**Impact**	**67**	0	**Impact**
5894 Tuller Rd	Cicero	B - Residential	1	67	73	73	**73**	0	**Impact**	**71**	-2	**Impact**
5900 Tuller Rd	Cicero	B - Residential	1	67	74	74	**74**	0	**Impact**	**72**	-2	**Impact**
5910 Tuller Rd	Cicero	B - Residential	1	67	75	75	**75**	0	**Impact**	**76**	1	**Impact**
5919 Tuller Rd	Cicero	B - Residential	1	67	67	67	**68**	1	**Impact**	**68**	1	**Impact**
5921 Tuller Rd	Cicero	B - Residential	1	67	66	66	**68**	2	**Impact**	**69**	3	**Impact**
5922 Tuller Rd	Cicero	B - Residential	1	67	70	70	**73**	3	**Impact**	**72**	2	**Impact**
5946 Tuller Rd	Cicero	B - Residential	1	67	69	68	**71**	2	**Impact**	**70**	1	**Impact**
216 Tully St	Syracuse	C - Art Studio	1	67	54	54	54	0	----	54	0	----
132 Turtle St	Syracuse	B - Residential	1	67	65	65	**68**	3	**Impact**	65	0	----
135 Turtle St	Syracuse	B - Residential	1	67	62	62	65	3	----	62	0	----
139 Turtle St	Syracuse	B - Residential	1	67	61	61	63	2	----	60	-1	----
141 Turtle St	Syracuse	B - Residential	1	67	59	59	62	3	----	59	0	----
205 Turtle St	Syracuse	B - Residential	1	67	56	56	56	0	----	55	-1	----
204 Union Pl	Syracuse	B - Residential	1	67	58	58	58	0	----	58	0	----
206 Union Pl	Syracuse	B - Residential	1	67	56	55	56	0	----	55	-1	----
208 Union Pl	Syracuse	B - Residential	1	67	53	53	53	0	----	52	-1	----
208 University Ave	Syracuse	B - Residential	1	67	60	62	61	1	----	62	2	----
407 University Ave	Syracuse	B - Planned Residential	3	67	63	65	62	-1	----	63	0	----
411 University Ave	Syracuse	B - Residential	3	67	61	63	60	-1	----	62	1	----
412 University Ave	Syracuse	C - Place of Worship	4	67	63	66	62	-1	----	64	1	----
413 University Ave	Syracuse	B - Residential	3	67	62	64	61	-1	----	63	1	----
417 University Ave	Syracuse	B - Residential	3	67	64	66	63	-1	----	65	1	----
501 University Ave	Syracuse	C - Place of Worship	2	67	60	62	60	0	----	61	1	----
502 University Ave	Syracuse	B - Residential	3	67	65	67	64	-1	----	65	0	----
507 University Ave	Syracuse	B - Residential	3	67	60	62	59	-1	----	61	1	----
509 University Ave	Syracuse	B - Residential	3	67	66	67	**66**	0	**Impact**	**67**	1	**Impact**
610 University Ave	Syracuse	B - Planned Residential	3	67	62	63	62	0	----	63	1	----
700 University Ave	Syracuse	C - School	2	67	59	59	58	-1	----	59	0	----
701 University Ave	Syracuse	C - School	2	67	58	60	58	0	----	59	1	----
726 University Ave	Syracuse	C - Outdoor Seating	3	67	64	65	64	0	----	65	1	----
107 University Pl	Syracuse	C - School	3	67	56	54	55	-1	----	56	0	----
201 University Pl	Syracuse	C - School	2	67	57	57	57	0	----	58	1	----
100 University Pl (1 of 5)	Syracuse	C - School	3	67	56	56	57	1	----	57	1	----

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100 University Pl (2 of 5)	Syracuse	C - School	4	67	48	48	49	1	----	49	1	----
100 University Pl (3 of 5)	Syracuse	C - School	4	67	52	53	54	2	----	56	4	----
100 University Pl (4 of 5)	Syracuse	C - School	4	67	43	43	44	1	----	45	2	----
100 University Pl (5 of 5)	Syracuse	C - School	5	67	54	54	57	3	----	56	2	----
R147	Cicero	B - Residential	1	67	55	55	55	0	----	55	0	----
R141	Cicero	B - Residential	1	67	54	54	54	0	----	54	0	----
R140	Cicero	B - Residential	1	67	55	55	55	0	----	55	0	----
R146	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
R139	Cicero	B - Residential	1	67	55	55	55	0	----	55	0	----
R145	Cicero	B - Residential	1	67	56	56	57	1	----	56	0	----
R138	Cicero	B - Residential	1	67	56	56	56	0	----	56	0	----
R144	Cicero	B - Residential	1	67	57	57	58	1	----	57	0	----
R137	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
R143	Cicero	B - Residential	1	67	58	58	59	1	----	58	0	----
R136	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
R142	Cicero	B - Residential	1	67	59	60	60	1	----	59	0	----
123 Valentine Dr	Cicero	B - Residential	1	67	60	60	60	0	----	60	0	----
124 Valentine Dr	Cicero	B - Residential	1	67	61	61	61	0	----	61	0	----
125 Valentine Dr	Cicero	B - Residential	1	67	60	60	60	0	----	60	0	----
126 Valentine Dr	Cicero	B - Residential	1	67	62	62	62	0	----	62	0	----
127 Valentine Dr	Cicero	B - Residential	1	67	61	61	61	0	----	61	0	----
128 Valentine Dr	Cicero	B - Residential	1	67	63	63	64	1	----	63	0	----
131 Valentine Dr	Cicero	B - Residential	1	67	65	65	65	0	----	65	0	----
R135	Cicero	B - Residential	1	67	59	59	59	0	----	59	0	----
308 Van Buren St	Syracuse	B - Residential	1	67	66	66	62	-4	----	56	-10	----
401 Van Buren St	Syracuse	B - Residential	10	67	69	69	**68**	-1	**Impact**	**73**	4	**Impact**
R118	North Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
R121	North Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
R117	North Syracuse	B - Residential	1	67	60	59	60	0	----	59	-1	----
R120	North Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
R116	North Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
133 Van Mara Dr	North Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
R115	North Syracuse	B - Residential	1	67	61	60	61	0	----	61	0	----
135 Van Mara Dr	North Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
137 Van Mara Dr	North Syracuse	B - Residential	1	67	63	62	63	0	----	63	0	----
139 Van Mara Dr	North Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
141 Van Mara Dr	North Syracuse	B - Residential	1	67	64	63	64	0	----	64	0	----
R119	North Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
R185	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
R177	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
R184	Cicero	B - Residential	1	67	57	57	57	0	----	57	0	----
R176	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
R183	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
R175	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
R182	Cicero	B - Residential	1	67	58	58	58	0	----	58	0	----
R174	Cicero	B - Residential	1	67	59	59	59	0	----	59	0	----
R181	Cicero	B - Residential	1	67	59	59	59	0	----	59	0	----
R173	Cicero	C - Playground	1	67	59	59	59	0	----	59	0	----
R180	Cicero	B - Residential	1	67	59	59	59	0	----	59	0	----
R172	Cicero	B - Residential	1	67	60	60	60	0	----	60	0	----
R179	Cicero	B - Residential	1	67	60	60	60	0	----	60	0	----
R171	Cicero	B - Residential	1	67	61	61	61	0	----	61	0	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
R178	Cicero	B - Residential	1	67	61	61	61	0	----	60	-1	----
149 Verda Ave	Cicero	B - Residential	1	67	62	62	62	0	----	62	0	----
150 Verda Ave	Cicero	B - Residential	1	67	62	62	62	0	----	62	0	----
153 Verda Ave	Cicero	B - Residential	1	67	63	63	63	0	----	63	0	----
154 Verda Ave	Cicero	B - Residential	1	67	63	63	63	0	----	63	0	----
157 Verda Ave	Cicero	B - Residential	1	67	64	64	64	0	----	64	0	----
158 Verda Ave	Cicero	B - Residential	1	67	64	64	64	0	----	64	0	----
159 Verda Ave	Cicero	B - Residential	1	67	66	65	**66**	0	**Impact**	**66**	0	**Impact**
161 Verda Ave	Cicero	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
162 Verda Ave	Cicero	B - Residential	1	67	65	65	65	0	----	65	0	----
166 Verda Ave	Cicero	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
168 Verda Ave	Cicero	B - Residential	1	67	70	70	**70**	0	**Impact**	**70**	0	**Impact**
170 Verda Ave	Cicero	B - Residential	1	67	72	72	**72**	0	**Impact**	**72**	0	**Impact**
172 Verda Ave	Cicero	B - Residential	1	67	75	75	**75**	0	**Impact**	**75**	0	**Impact**
200 Vine St	Syracuse	B - Residences	1	67	66	67	**68**	2	**Impact**	**68**	2	**Impact**
208 Vine St	Syracuse	B - Residential	2	67	64	65	65	1	----	65	1	----
802 W Belden Ave	Syracuse	B - Residential	2	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
804 W Belden Ave	Syracuse	B - Residential	2	67	62	62	64	2	----	63	1	----
806 W Belden Ave	Syracuse	B - Residential	2	67	61	62	63	2	----	63	2	----
808 W Belden Ave	Syracuse	B - Residential	2	67	61	61	63	2	----	63	2	----
814 W Belden Ave	Syracuse	B - Residential	2	67	61	62	63	2	----	63	2	----
915 W Belden Ave	Syracuse	B - Residential	1	67	64	64	65	1	----	65	1	----
921 W Belden Ave	Syracuse	B - Residential	9	67	62	62	63	1	----	63	1	----
1022 W Belden Ave	Syracuse	B - Residential	2	67	68	68	**69**	1	**Impact**	**68**	0	**Impact**
1025 W Belden Ave	Syracuse	B - Residential	1	67	60	60	62	2	----	61	1	----
111 W Calthrop Ave	Syracuse	B - Residential	1	67	62	63	63	1	----	60	-2	----
112 W Calthrop Ave	Syracuse	B - Residential	1	67	63	63	64	1	----	61	-2	----
99 W Erie Blvd	Syracuse	C - Park	5	67	69	69	**72**	3	**Impact**	**72**	3	**Impact**
350 W Fayette St	Syracuse	C - School	4	67	65	66	**66**	1	**Impact**	**66**	1	**Impact**
200 W Genesee St	Syracuse	C - Outdoor Seating	1	67	69	69	**72**	3	**Impact**	**71**	2	**Impact**
201 W Genesee St	Syracuse	C - Park	1	67	67	67	**72**	5	**Impact**	**71**	4	**Impact**
621 W Genesee St	Syracuse	C - Playground	1	67	59	60	60	1	----	61	2	----
110 W Jefferson St	Syracuse	C - Outdoor Seating	2	67	61	59	63	2	----	62	1	----
200 W Jefferson St	Syracuse	C - Museum	4	67	53	53	54	1	----	55	2	----
218 W Jefferson St	Syracuse	C - Outdoor Dining	3	67	57	57	57	0	----	58	1	----
225 W Jefferson St	Syracuse	C - Outdoor Seating	3	67	48	48	48	0	----	48	0	----
102 W Newell St	Syracuse	B - Residential	1	67	62	62	63	1	----	60	-2	----
100 W Pleasant Ave	Syracuse	B - Residential	1	67	62	63	63	1	----	60	-2	----
204 W Water St	Syracuse	C - Park	5	67	69	68	**71**	2	**Impact**	**70**	1	**Impact**
208 W Water St	Syracuse	C - Outdoor Seating	2	67	59	59	61	2	----	61	2	----
214 W Water St	Syracuse	C - Playground	1	67	59	58	61	2	----	60	1	----
234 W Willow St	Syracuse	C - Outdoor Seating	10	67	60	60	62	2	----	62	2	----
215 Wallace St	Syracuse	C - Park	1	67	69	69	**69**	0	**Impact**	**68**	-1	**Impact**
217 Walrath Rd	Syracuse	B - Residential	1	67	49	50	50	1	----	48	-1	----
220 Walrath Rd	Syracuse	B - Residential	1	67	51	51	52	1	----	50	-1	----
221 Walrath Rd	Syracuse	B - Residential	1	67	51	51	52	1	----	49	-2	----
226 Walrath Rd	Syracuse	B - Residential	1	67	52	52	53	1	----	51	-1	----
227 Walrath Rd	Syracuse	B - Residential	1	67	51	51	51	0	----	49	-2	----
232 Walrath Rd	Syracuse	B - Residential	1	67	53	53	54	1	----	51	-2	----
233 Walrath Rd	Syracuse	B - Residential	1	67	52	52	53	1	----	50	-2	----
237 Walrath Rd	Syracuse	B - Residential	1	67	57	57	58	1	----	55	-2	----
255 Walton St	Syracuse	C - Park	2	67	66	66	65	-1	----	**66**	0	**Impact**

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Receptors (Equivalent Number of Residences)	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 No-Build Alternative (dBA)	2050 Viaduct Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Alternative (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
5904 Warren Dr	Cicero	B - Residential	1	67	61	61	62	1	----	62	1	----
5905 Warren Dr	Cicero	B - Residential	1	67	62	62	63	1	----	63	1	----
5909 Warren Dr	Cicero	B - Residential	1	67	63	63	64	1	----	64	1	----
5915 Warren Dr	Cicero	B - Residential	1	67	65	65	**68**	3	**Impact**	**68**	3	**Impact**
111 Waverly Ave	Syracuse	C - School	4	67	58	58	58	0	----	58	0	----
106 Wayne St	Syracuse	B - Residential	1	67	56	57	56	0	----	56	0	----
108 Wayne St	Syracuse	B - Residential	1	67	55	56	56	1	----	56	1	----
110 Wayne St	Syracuse	B - Residential	3	67	54	55	55	1	----	53	-1	----
R89	North Syracuse	B - Residential	1	67	56	56	56	0	----	56	0	----
R88	North Syracuse	B - Residential	1	67	56	56	56	0	----	56	0	----
R90	North Syracuse	B - Residential	1	67	58	57	57	-1	----	57	-1	----
R87	North Syracuse	B - Residential	1	67	58	57	58	0	----	57	-1	----
R91	North Syracuse	B - Residential	1	67	58	58	58	0	----	58	0	----
R86	North Syracuse	B - Residential	1	67	59	59	59	0	----	59	0	----
R92	North Syracuse	B - Residential	1	67	59	58	58	-1	----	58	-1	----
R85	North Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
R93	North Syracuse	B - Residential	1	67	60	60	60	0	----	60	0	----
328 Wells Ave E	North Syracuse	B - Residential	1	67	62	62	62	0	----	62	0	----
329 Wells Ave E	North Syracuse	B - Residential	1	67	62	61	61	-1	----	61	-1	----
400 Wells Ave E	North Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
401 Wells Ave E	North Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
402 Wells Ave E	North Syracuse	B - Residential	1	67	66	65	65	-1	----	65	-1	----
403 Wells Ave E	North Syracuse	B - Residential	1	67	64	64	64	0	----	64	0	----
404 Wells Ave E	North Syracuse	B - Residential	1	67	67	67	**67**	0	**Impact**	**67**	0	**Impact**
405 Wells Ave E	North Syracuse	B - Residential	1	67	66	65	**66**	0	**Impact**	**66**	0	**Impact**
406 Wells Ave E	North Syracuse	B - Residential	1	67	70	69	**69**	-1	**Impact**	**69**	-1	**Impact**
407 Wells Ave E	North Syracuse	B - Residential	1	67	68	68	**68**	0	**Impact**	**68**	0	**Impact**
408 Wells Ave E	North Syracuse	B - Residential	1	67	72	71	**72**	0	**Impact**	**72**	0	**Impact**
409 Wells Ave E	North Syracuse	B - Residential	1	67	71	70	**70**	-1	**Impact**	**70**	-1	**Impact**
410 Wells Ave E	North Syracuse	B - Residential	1	67	76	75	**75**	-1	**Impact**	**75**	-1	**Impact**
411 Wells Ave E (1 of 2)	North Syracuse	B - Residential	1	67	73	73	**73**	0	**Impact**	**73**	0	**Impact**
411 Wells Ave E (2 of 2)	North Syracuse	B - Residential	1	67	78	77	**77**	-1	**Impact**	**77**	-1	**Impact**
101 Westminster Rd	De Witt	B - Residential	1	67	65	65	65	0	----	**66**	1	**Impact**
102 Westminster Rd	De Witt	B - Residential	1	67	66	66	**67**	1	**Impact**	**67**	1	**Impact**
103 Westminster Rd	De Witt	B - Residential	1	67	62	62	62	0	----	63	1	----
104 Westminster Rd	De Witt	B - Residential	1	67	66	67	**67**	1	**Impact**	**68**	2	**Impact**
106 Westminster Rd	De Witt	B - Residential	1	67	67	67	**67**	0	**Impact**	**68**	1	**Impact**
107 Westminster Rd	De Witt	B - Residential	1	67	62	63	63	1	----	64	2	----
108 Westminster Rd	De Witt	B - Residential	1	67	67	67	**67**	0	**Impact**	**68**	1	**Impact**
109 Westminster Rd	De Witt	B - Residential	1	67	60	60	61	1	----	61	1	----
110 Westminster Rd	De Witt	B - Residential	1	67	67	67	**68**	1	**Impact**	**69**	2	**Impact**
111 Westminster Rd	De Witt	B - Residential	1	67	59	59	60	1	----	61	2	----
112 Westminster Rd	De Witt	B - Residential	1	67	66	66	**67**	1	**Impact**	**68**	2	**Impact**
113 Westminster Rd	De Witt	B - Residential	1	67	59	59	60	1	----	61	2	----
114 Westminster Rd	De Witt	B - Residential	1	67	65	65	**66**	1	**Impact**	**67**	2	**Impact**
116 Westminster Rd	De Witt	B - Residential	1	67	65	65	**66**	1	**Impact**	**67**	2	**Impact**
118 Westminster Rd	De Witt	B - Residential	1	67	65	65	65	0	----	**66**	1	**Impact**
120 Westminster Rd	De Witt	B - Residential	1	67	65	65	65	0	----	**66**	1	**Impact**
122 Westminster Rd	De Witt	B - Residential	1	67	64	64	64	0	----	65	1	----
209 Westminster Rd	De Witt	B - Residential	1	67	61	61	61	0	----	62	1	----
300 Westminster Rd	De Witt	B - Residential	1	67	64	65	65	1	----	**66**	2	**Impact**
301 Westminster Rd	De Witt	B - Residential	1	67	60	61	61	1	----	62	2	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

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302 Westminster Rd	De Witt	B - Residential	1	67	65	65	65	0	----	**66**	1	**Impact**
303 Westminster Rd	De Witt	B - Residential	1	67	60	61	61	1	----	61	1	----
304 Westminster Rd	De Witt	B - Residential	1	67	65	66	**66**	1	**Impact**	**67**	2	**Impact**
305 Westminster Rd	De Witt	B - Residential	1	67	60	61	61	1	----	61	1	----
306 Westminster Rd	De Witt	B - Residential	1	67	64	64	64	0	----	65	1	----
308 Westminster Rd	De Witt	B - Residential	1	67	62	62	62	0	----	63	1	----
310 Westminster Rd	De Witt	B - Residential	1	67	61	62	62	1	----	63	2	----
1 Wexford Rd	De Witt	B - Residential	1	67	63	63	63	0	----	64	1	----
2 Wexford Rd	De Witt	B - Residential	1	67	61	62	62	1	----	62	1	----
3 Wexford Rd	De Witt	B - Residential	1	67	61	61	61	0	----	61	0	----
8 Wexford Rd	De Witt	B - Residential	1	67	55	56	56	1	----	56	1	----
12 Wexford Rd	De Witt	B - Residential	1	67	56	56	56	0	----	57	1	----
16 Wexford Rd	De Witt	B - Residential	1	67	53	53	53	0	----	53	0	----
20 Wexford Rd	De Witt	B - Residential	1	67	55	55	55	0	----	56	1	----
22 Wexford Rd	De Witt	B - Residential	1	67	56	56	57	1	----	57	1	----
24 Wexford Rd	De Witt	B - Residential	1	67	57	57	57	0	----	58	1	----
26 Wexford Rd	De Witt	B - Residential	1	67	58	59	59	1	----	60	2	----
28 Wexford Rd	De Witt	B - Residential	1	67	58	58	58	0	----	59	1	----
30 Wexford Rd	De Witt	B - Residential	1	67	58	58	58	0	----	59	1	----
18 Wilbert Dr	Salina	B - Residential	1	67	63	63	63	0	----	63	0	----
20 Wilbert Dr	Salina	B - Residential	1	67	64	64	64	0	----	64	0	----
22 Wilbert Dr	Salina	B - Residential	1	67	65	65	65	0	----	65	0	----
24 Wilbert Dr	Salina	B - Residential	1	67	64	64	65	1	----	64	0	----
26 Wilbert Dr	Salina	B - Residential	1	67	64	64	64	0	----	64	0	----
5988 Wilbur Rd	De Witt	C - Picnic Area	1	67	59	60	60	1	----	60	1	----
316 Winton St	Syracuse	B - Residential	1	67	63	64	65	2	----	65	2	----
322 Winton St	Syracuse	B - Residential	1	67	63	63	64	1	----	64	1	----
331 Winton St	Syracuse	B - Residential	3	67	63	64	64	1	----	64	1	----
337 Winton St	Syracuse	B - Residential	1	67	62	63	63	1	----	63	1	----
340 Winton St	Syracuse	B - Residential	4	67	62	63	64	2	----	64	2	----
343 Winton St	Syracuse	B - Residential	3	67	62	63	63	1	----	63	1	----
349 Winton St	Syracuse	B - Residential	2	67	62	62	63	1	----	63	1	----
353 Winton St	Syracuse	B - Residential	2	67	61	62	62	1	----	62	1	----
522 Woodbine Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	61	1	----
525 Woodbine Ave	Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
526 Woodbine Ave	Syracuse	B - Residential	1	67	61	61	61	0	----	61	0	----
530 Woodbine Ave	Syracuse	B - Residential	2	67	61	61	61	0	----	61	0	----
533 Woodbine Ave	Syracuse	B - Residential	1	67	63	63	63	0	----	63	0	----
6497 Woodchuck Hill Rd	De Witt	B - Residential	1	67	62	63	63	1	----	64	2	----
6523 Woodchuck Hill Rd	De Witt	B - Residential	1	67	61	61	62	1	----	63	2	----
204 Woodland Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	56	-4	----
205 Woodland Ave	Syracuse	B - Residential	1	67	60	60	59	-1	----	55	-5	----
209 Woodland Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	55	-5	----
210 Woodland Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	55	-5	----
213 Woodland Ave	Syracuse	B - Residential	1	67	59	60	59	0	----	55	-4	----
214 Woodland Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	55	-5	----
215 Woodland Ave	Syracuse	B - Residential	1	67	60	60	60	0	----	55	-5	----
216 Woodland Ave	Syracuse	B - Residential	1	67	60	61	60	0	----	56	-4	----
219 Woodland Ave	Syracuse	B - Residential	2	67	60	61	60	0	----	56	-4	----
222 Woodland Ave	Syracuse	B - Residential	1	67	62	62	62	0	----	57	-5	----
223 Woodland Ave	Syracuse	B - Residential	1	67	61	62	61	0	----	57	-4	----
226 Woodland Ave	Syracuse	B - Residential	2	67	63	63	63	0	----	58	-5	----

Table: Noise Impact Summary - Model Results
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

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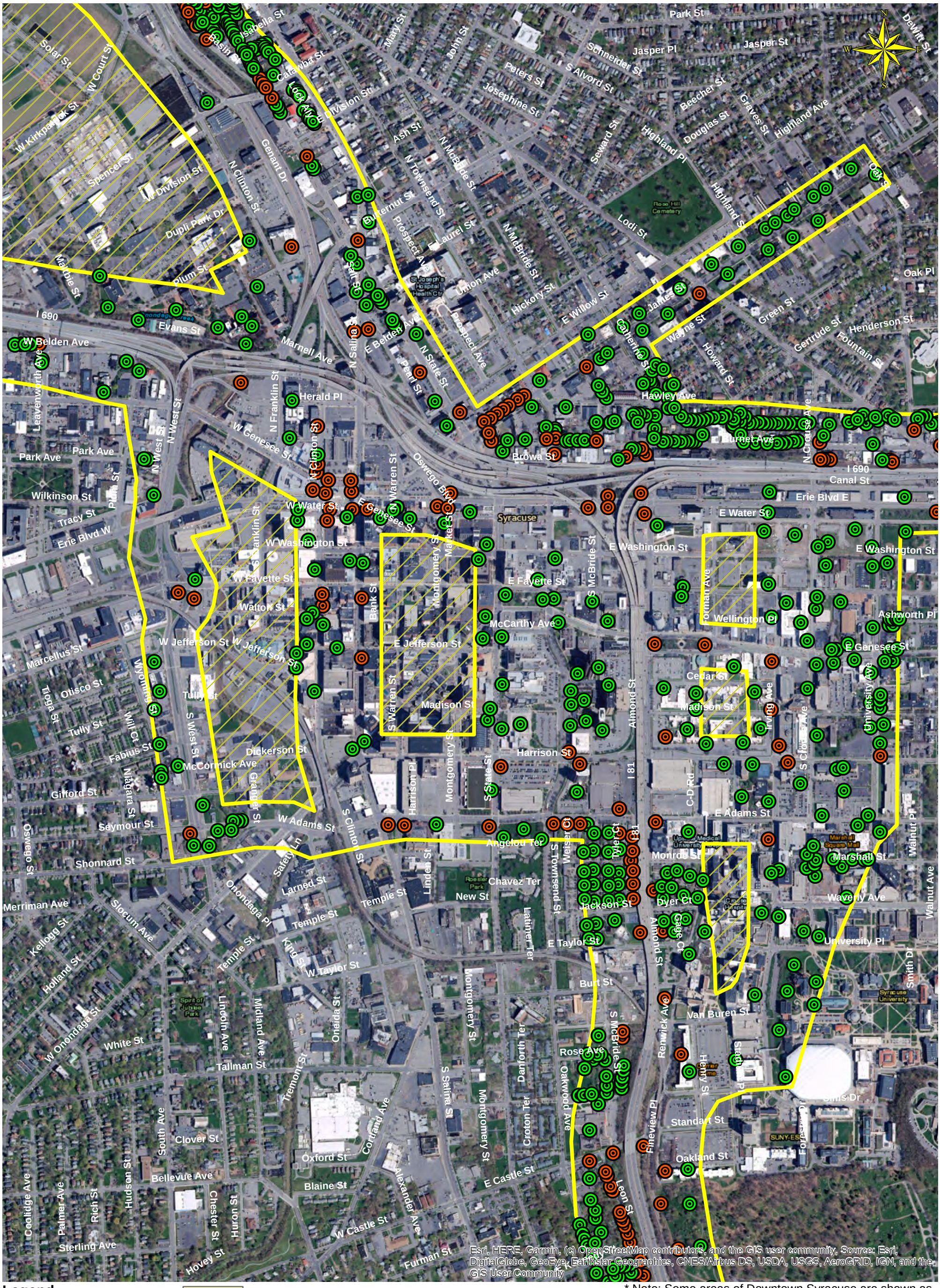
227 Woodland Ave	Syracuse	B - Residential	1	67	62	62	62	0	----	58	-4	----
231 Woodland Ave	Syracuse	B - Residential	1	67	64	65	64	0	----	60	-4	----
311 Wyoming St	Syracuse	C - Cultural Center	1	67	55	55	54	-1	----	55	0	----
417 Wyoming St	Syracuse	C - Religious Use	1	67	61	61	63	2	----	64	3	----
513 Wyoming St	Syracuse	B - Residential	1	67	62	63	64	2	----	63	1	----
Yellow Wood Perim 1	De Witt	B - Residential	1	67	56	57	58	2	----	59	3	----
Yellow Wood Perim 2	De Witt	B - Residential	1	67	61	62	62	1	----	63	2	----
Yellow Wood Perim 3	De Witt	B - Residential	1	67	62	63	63	1	----	63	1	----

ATTACHMENT D

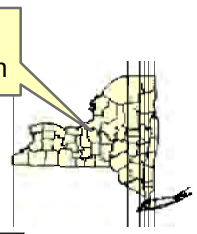
2013 Existing Conditions Noise Results Figures

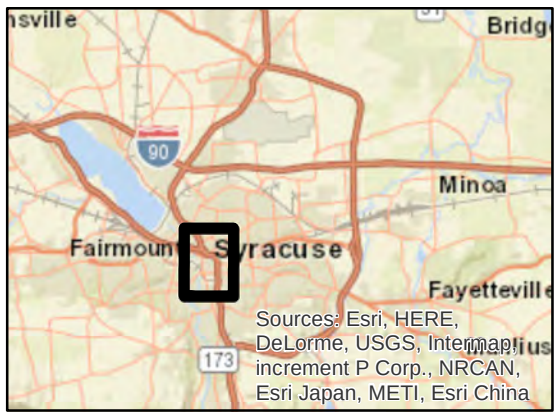


Legend

- No Noise Impact Predicted
- Existing Exceedance of the FHWA NAC
- Project Noise Study Area Limits
- Downtown Exclusion Areas*

Project Location





* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 550 1,100 2,200 Feet

WATTS ARCHITECTURE & ENGINEERING

Existing 2013 - Noise Results (Page 1 of 12)

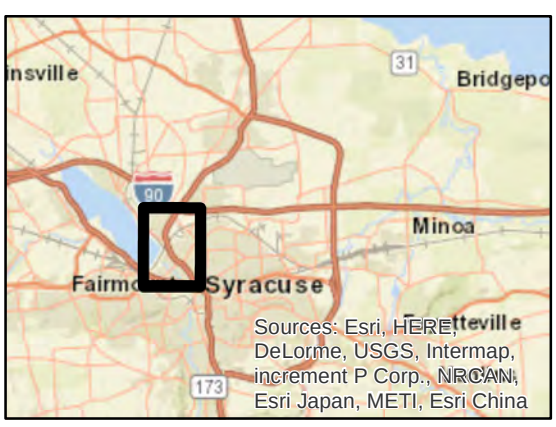
I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/13/2020

Legend

- No Noise Impact Predicted
- Existing Exceedance of the FHWA NAC
- Existing Noise Barrier
- Project Noise Study Area Limits
- Downtown Exclusion Areas*

Project Location



* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

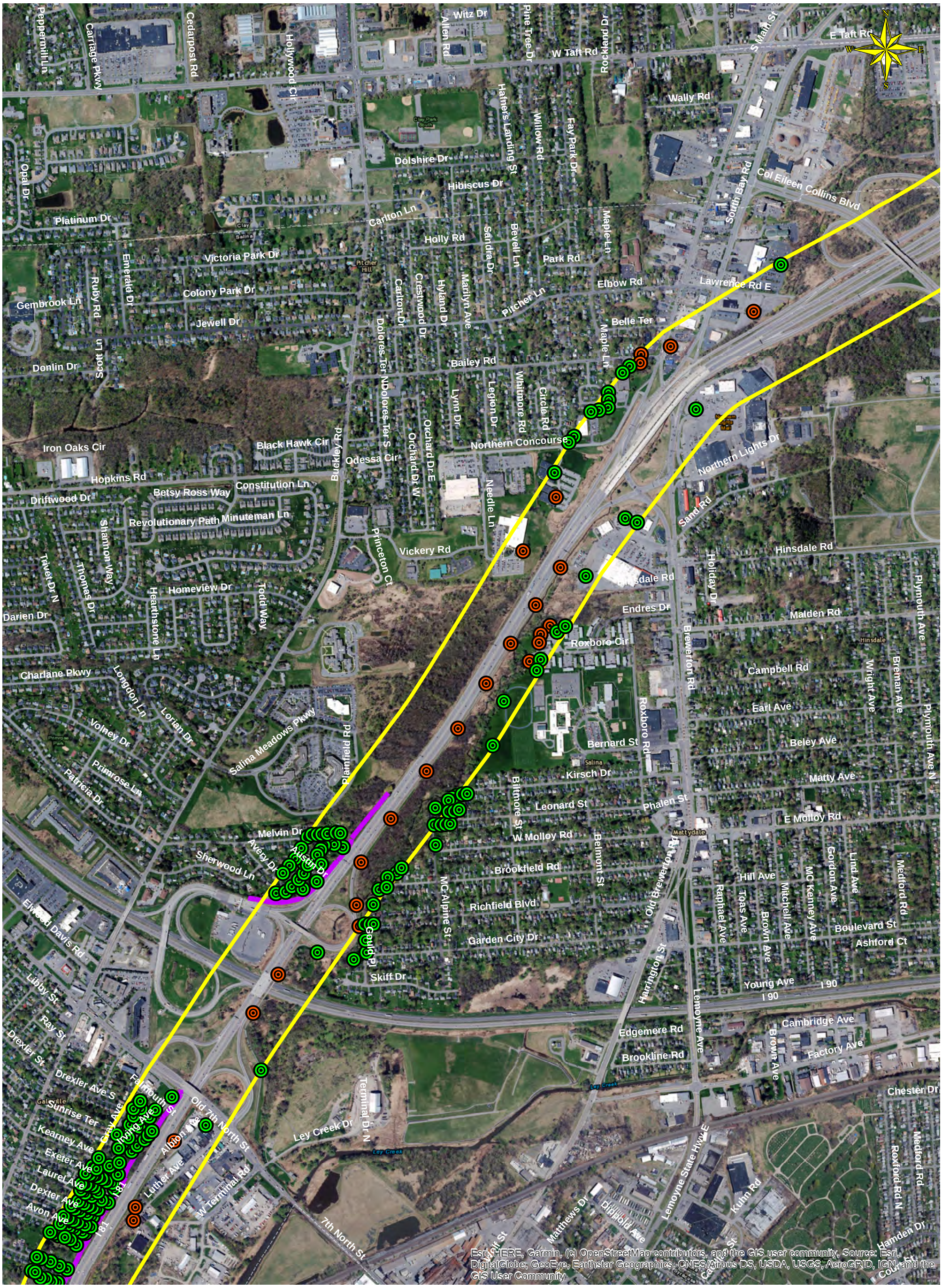
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Existing 2013 - Noise Results (Page 2 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

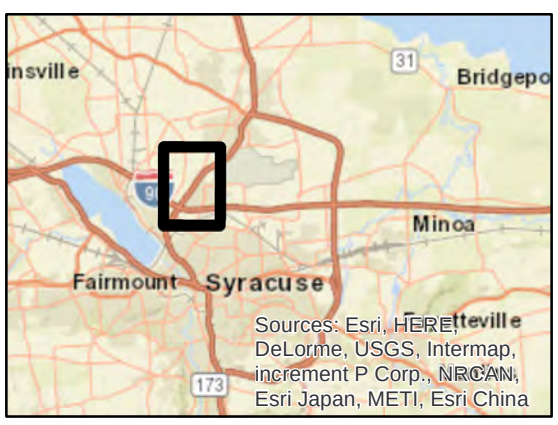
Date: 2/13/2020



Legend

- No Noise Impact Predicted
- Existing Exceedance of the FHWA NAC
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location



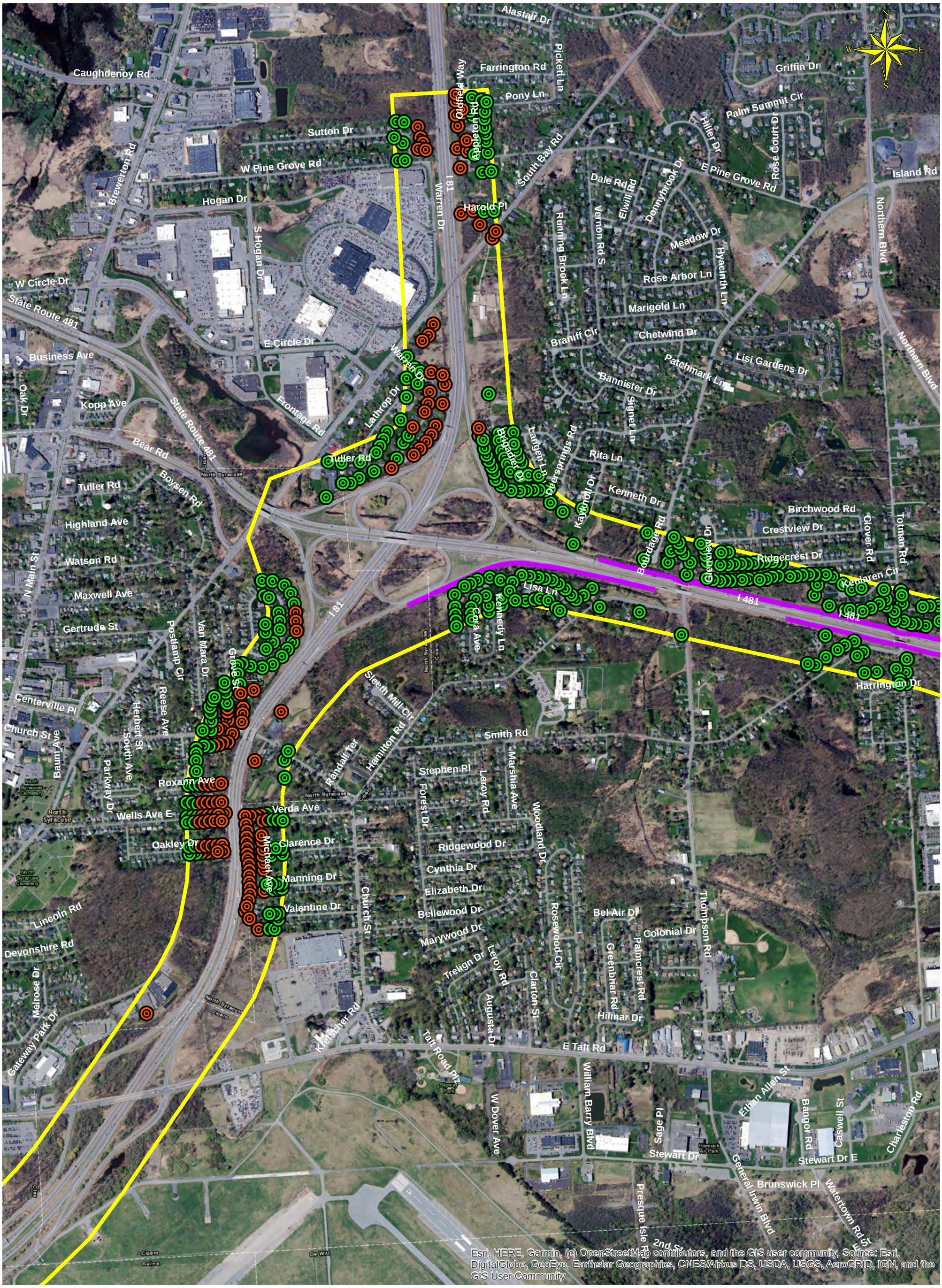
0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 3 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/13/2020

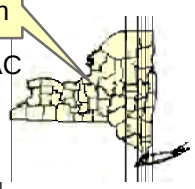
WATTS ARCHITECTURE & ENGINEERING

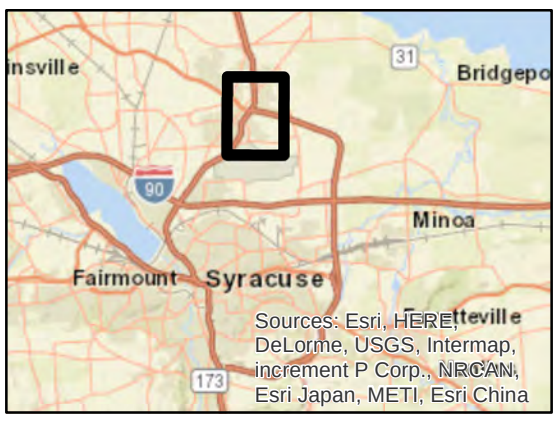


Legend

- No Noise Impact Predicted
- Existing Exceedance of the FHWA NAC
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location





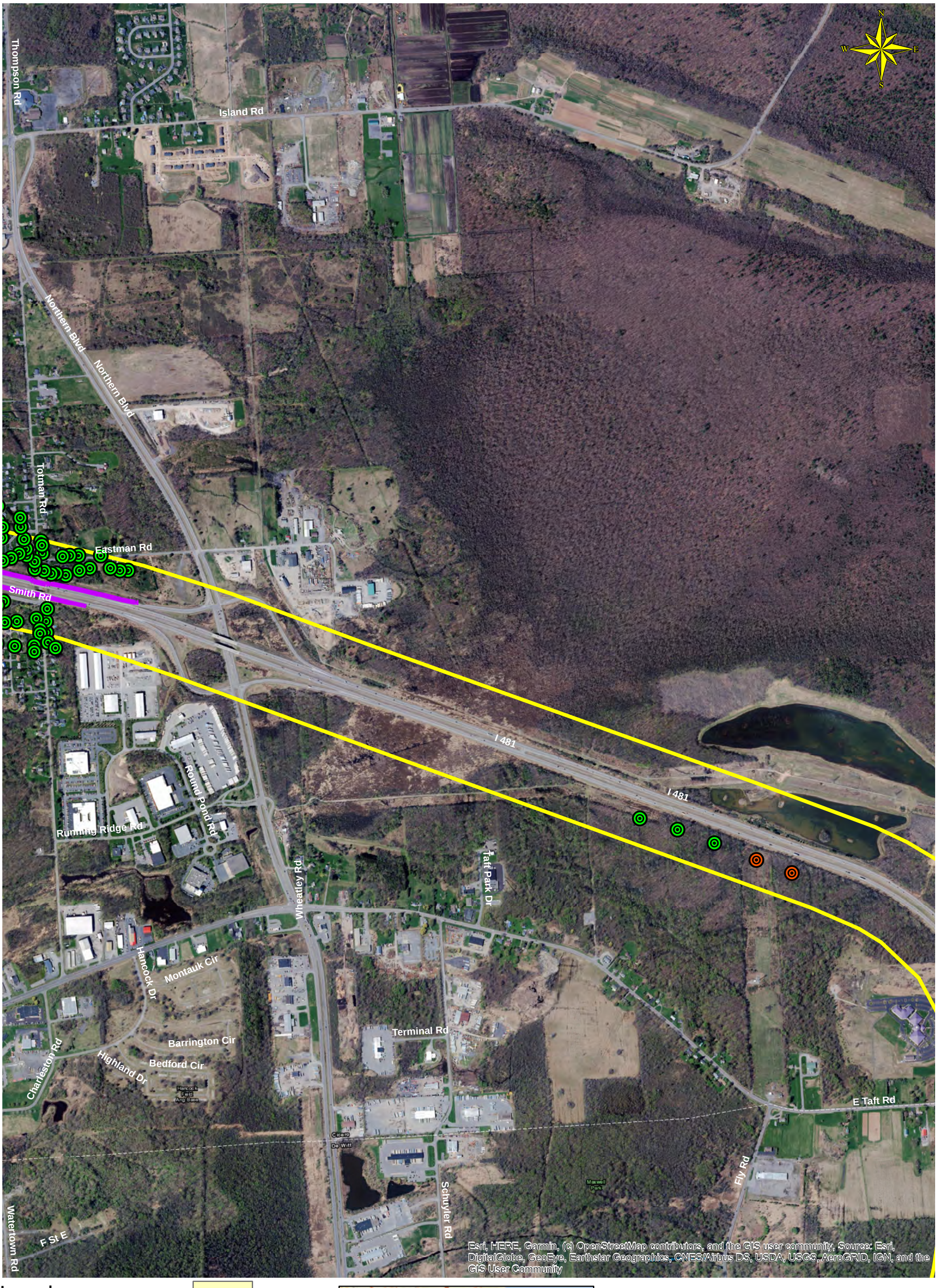
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Existing 2013 - Noise Results (Page 4 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

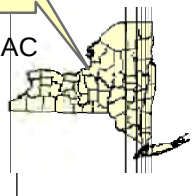
Date: 2/13/2020

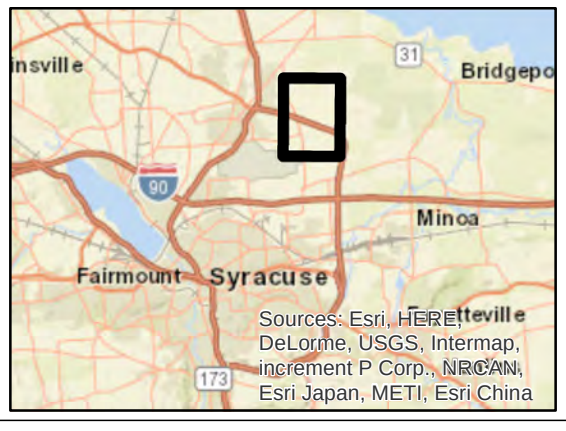


Legend

- No Noise Impact Predicted
- Existing Exceedance of the FHWA NAC
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location





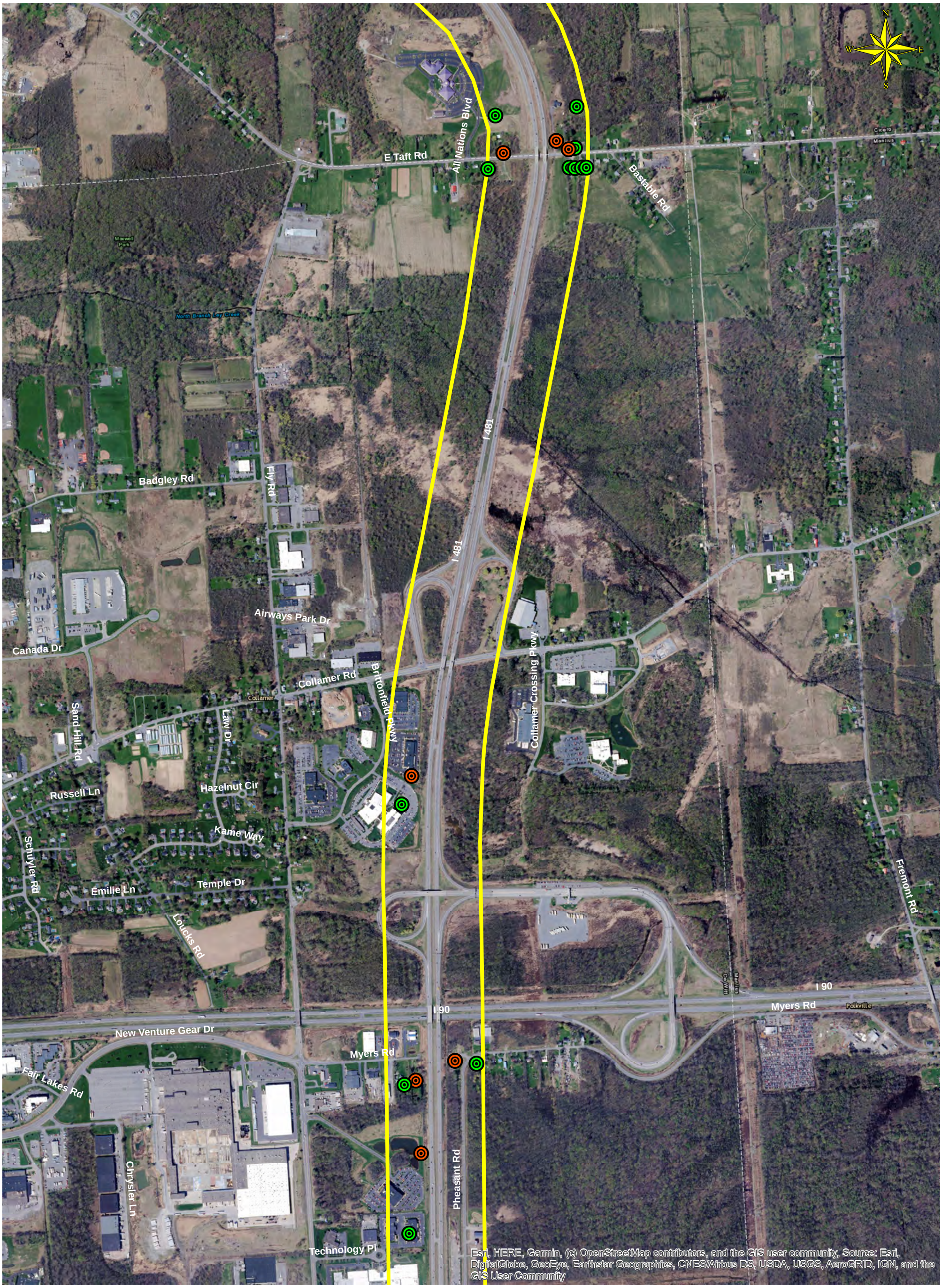
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Existing 2013 - Noise Results (Page 5 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

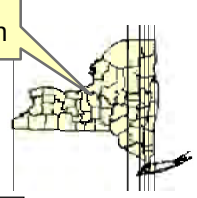
Date: 2/13/2020

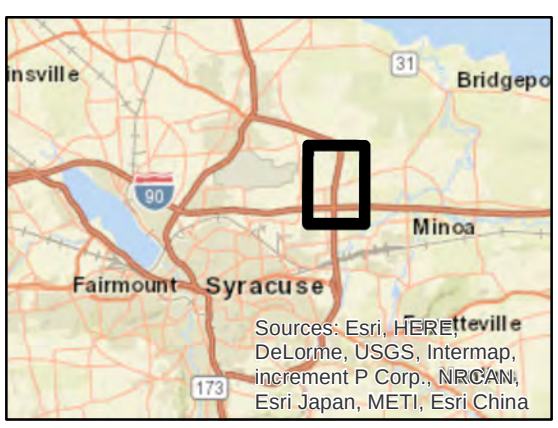


Legend

- No Noise Impact Predicted
- Existing Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





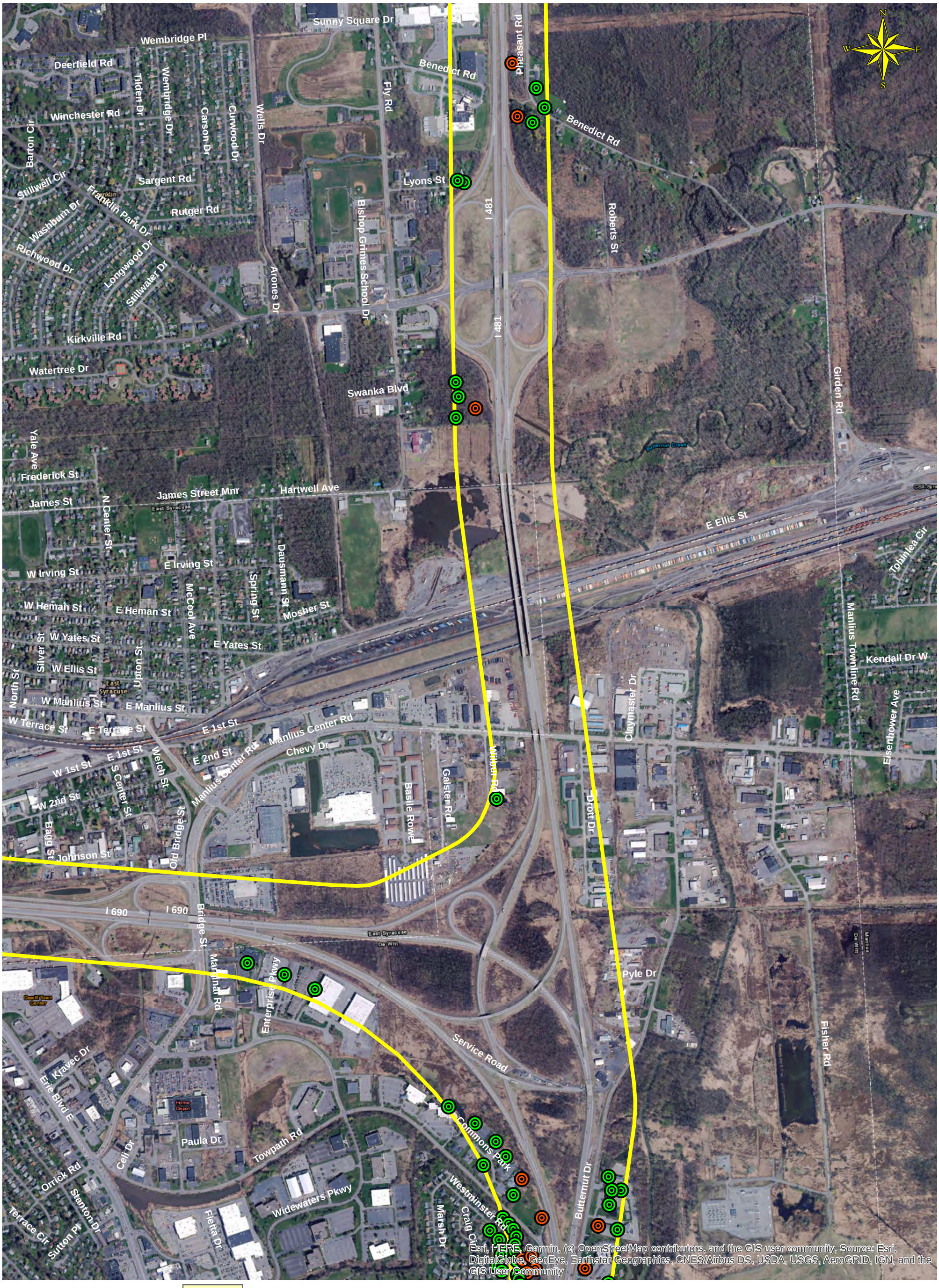
WATTS ARCHITECTURE & ENGINEERING

0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 6 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

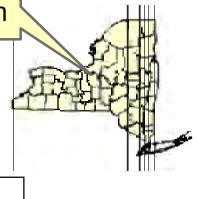
Date: 2/13/2020

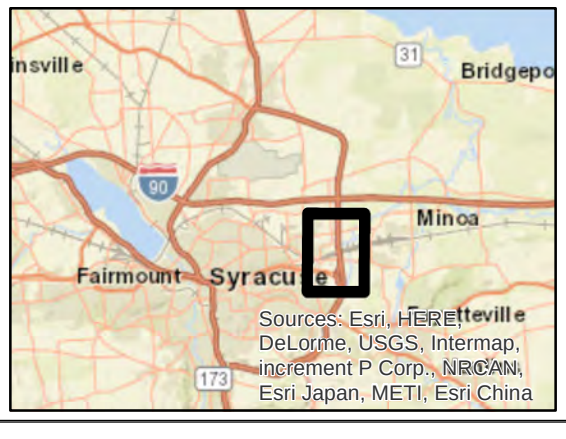


Legend

- No Noise Impact Predicted
- Existing Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 7 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/13/2020

WATTS ARCHITECTURE & ENGINEERING

Orrick Rd
Sutton Pl
Briarcliff Rd
Falstaff Rd
Radcliffe Rd
Stanton Dr
Ridgecrest Rd
Oakmont Dr
Dunbarton Rd
Wedgewood Ter
Sycamore Ter
Fietta Dr
Erie Blvd E
Widewaters Pkwy
Maplevew Rd
Thompson Rd
Shoppingtown Mall
Windsor Dr
Alwyn Rd
Fiordon Rd
Dewitt
Downing Rd
Haddonfield Dr
Orvilton Dr
Grenfell Rd
Dewitt Rd
Terrace Dr
Lansdowne Rd
E Genesee St
Paddock Dr
Cornwall Dr
Warwick Rd
Wexford Rd
Dewittshire Rd
Wellington Rd
Ambergate Rd
Lynbrook Cir
York Rd
Morton Rd
Harpers Ct
Northridge Rd
Randall Rd
Pebble Hill Rd N
Ardsley Dr
Rosewell Mdw
Saybrook Ln
Cooper Ln
Jamesville Rd
Butternut Creek
Butternut Creek Park Cemetery
I-481
Marsh Dr
Craig Cir
Westminster Rd
Butternut Dr
Robbins Ln
Towpath Rd
Kinne Rd
White Chapel Memory Gardens
Old Erie Canal State Park
Cedar Bay Park
Erie Canal
Agway Dr
Shoppingtown Mall Drovers Ln
Pickwick Rd
Claret Cir
Ely Dr
Edwards Dr
Lyndon Rd
Links Rd
Lynacres Blvd
Marvelle Rd
Lyndon
Miles Ave
Miles Ave Ext
Denver Ave
Kittell Rd
Maple Dr
N
W
E
S

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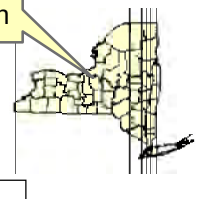
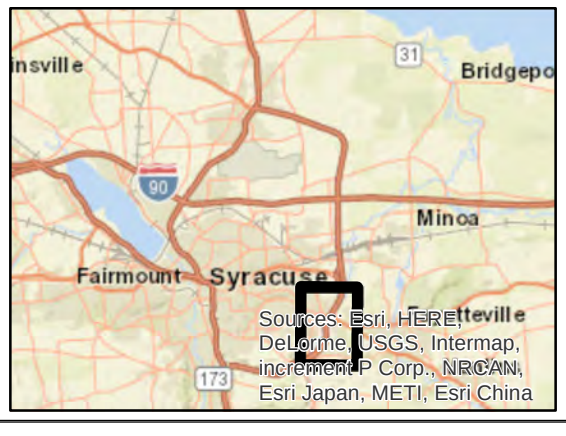
Legend

- No Noise Impact Predicted
- Existing Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Existing 2013 - Noise Results (Page 8 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/13/2020

Shapleigh Dr
Randall Rd
Bradford Pkwy
Standish Dr
Aquarius Dr
Cross Rd
Bradford Heights Rd
Scott Ave
Bradford Dr
Crawford Ave
Nottingham Rd
Cumberland Ave
Westmoreland Ave
The Hamlet
Harvest Hill Dr
Firtree Ln
Rosewell
Cooper Ln
N
S
E
W
Tecumseh Club at Pointe East
Drumlins Country Club
Syracuse
Onondaga Co Mill
I 481
Southwood
De Witt
Onondaga
Clark Reservation State Park
Green Lake
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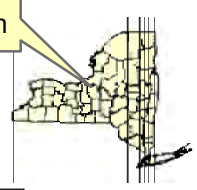
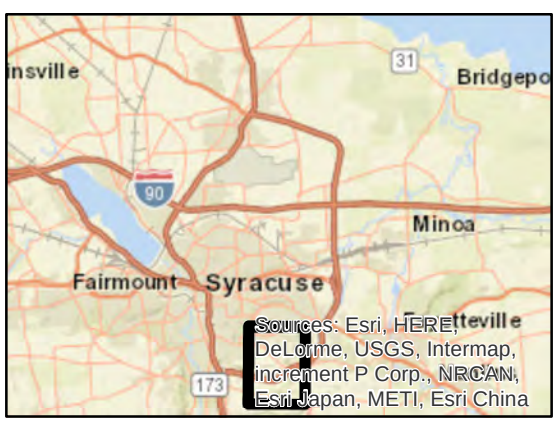
Legend

- No Noise Impact Predicted
- Existing Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





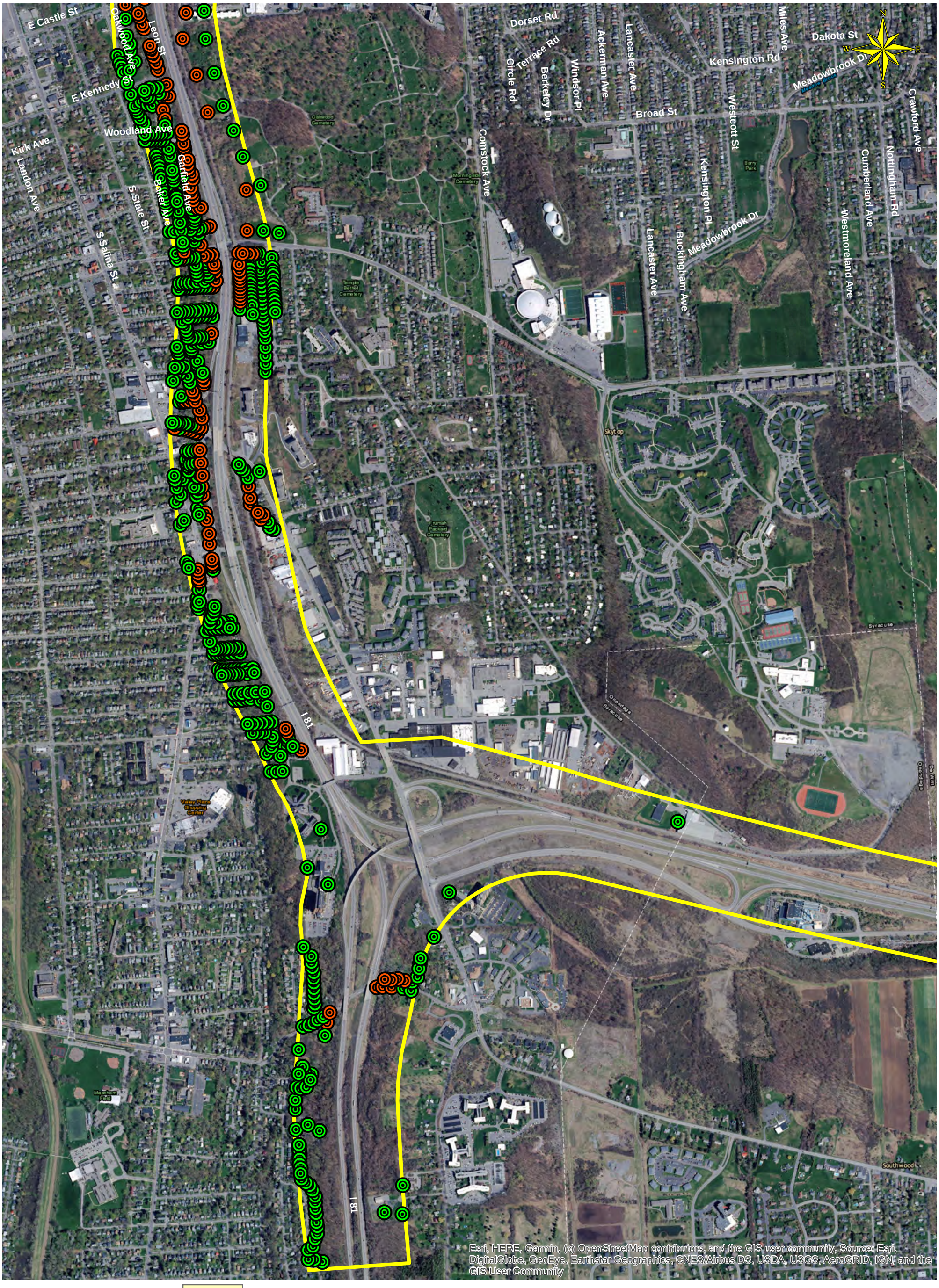
0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 9 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/13/2020

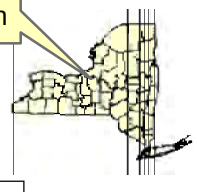
WATTS ARCHITECTURE & ENGINEERING

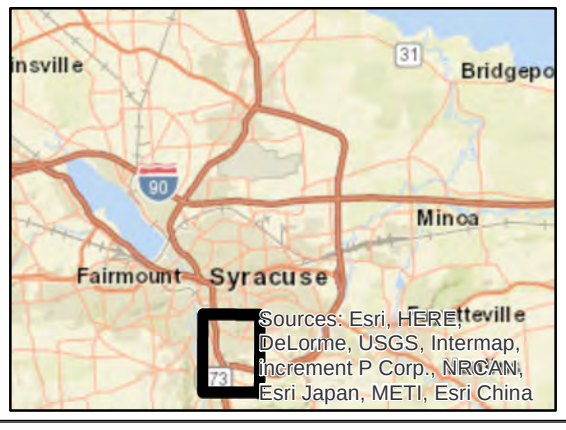


Legend

- No Noise Impact Predicted
- Existing Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





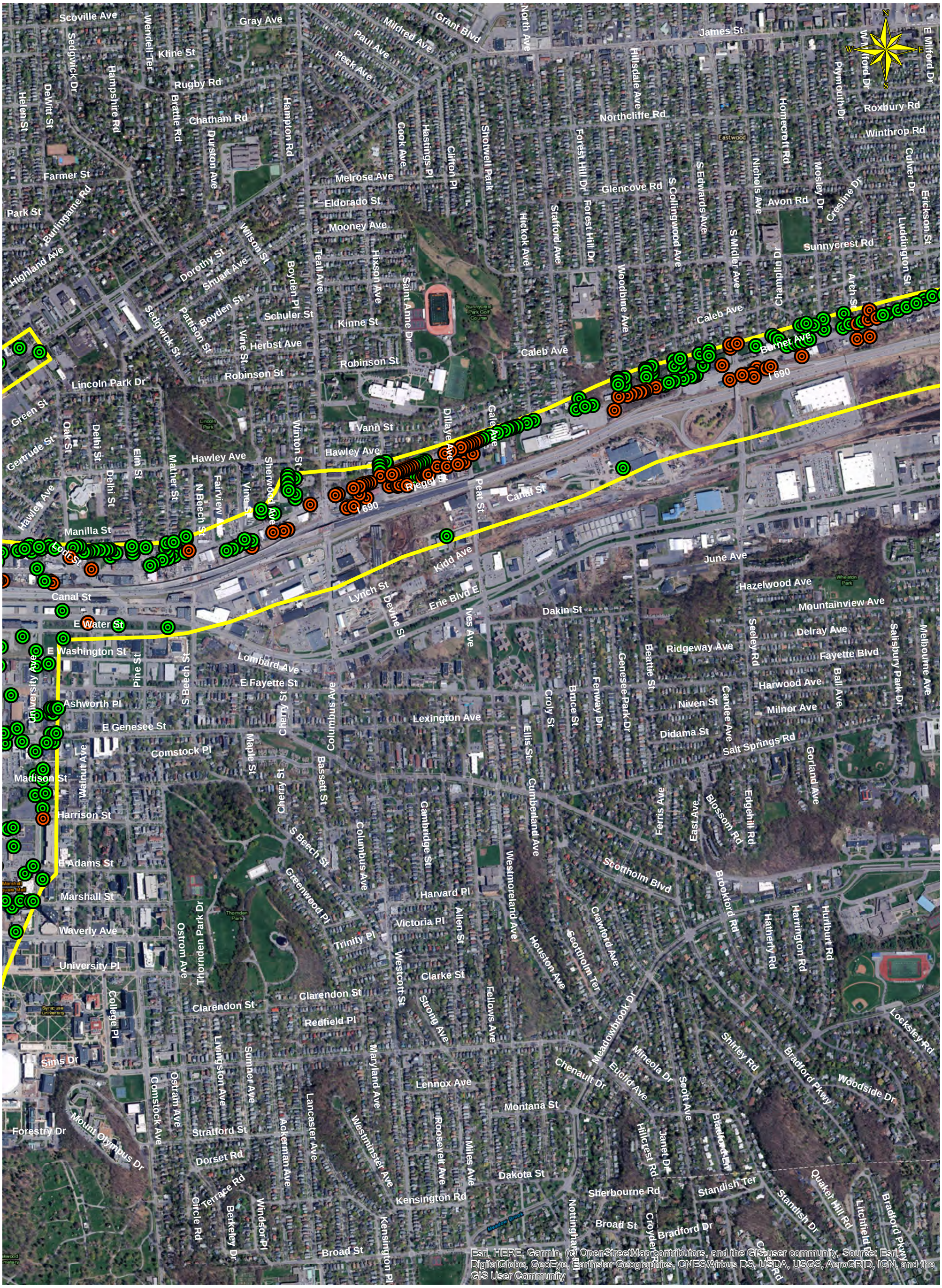
0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 10 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/13/2020

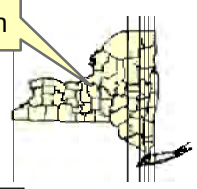
WATTS ARCHITECTURE & ENGINEERING

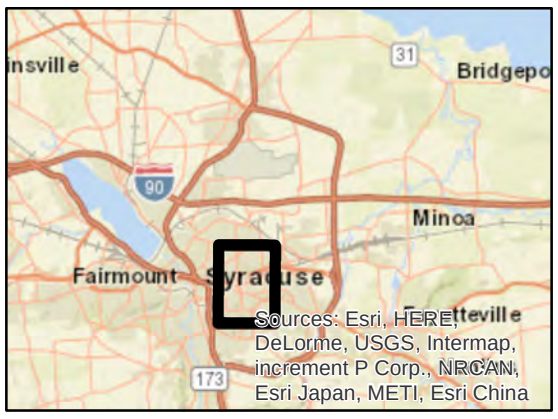


Legend

- No Noise Impact Predicted
- Existing Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





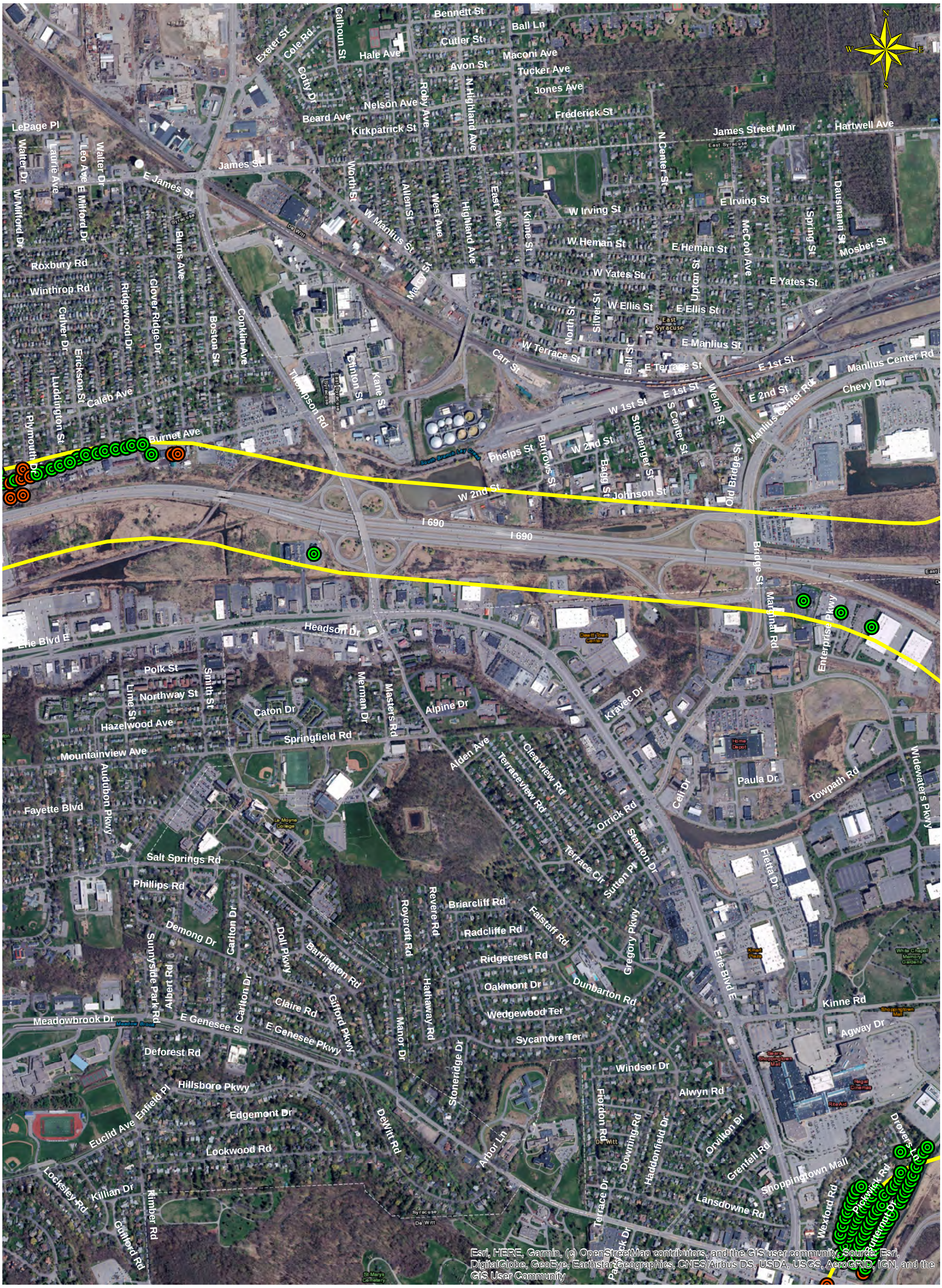
0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 11 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/13/2020

WATTS ARCHITECTURE & ENGINEERING

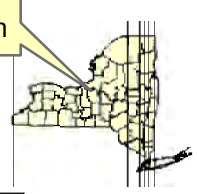


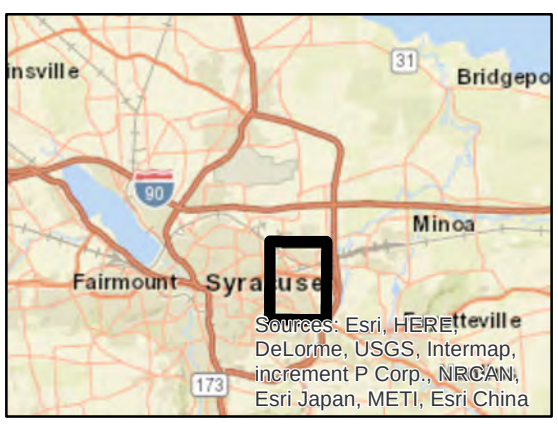
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- No Noise Impact Predicted
- Existing Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

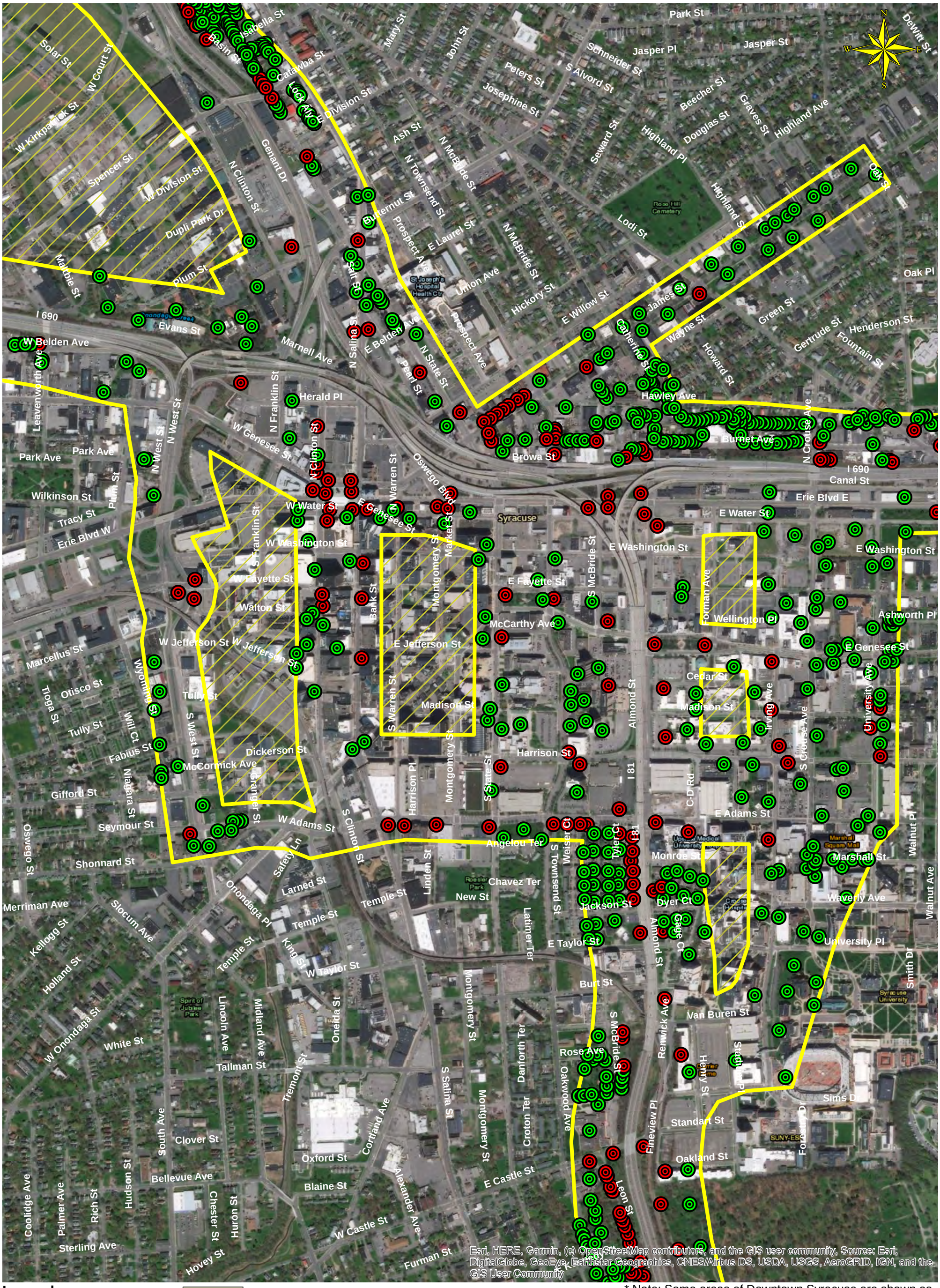
Existing 2013 - Noise Results (Page 12 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/13/2020

ATTACHMENT E

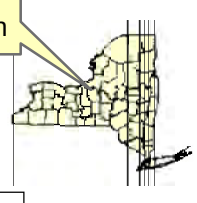
2050 No Build Alternative Conditions Noise Results Figures

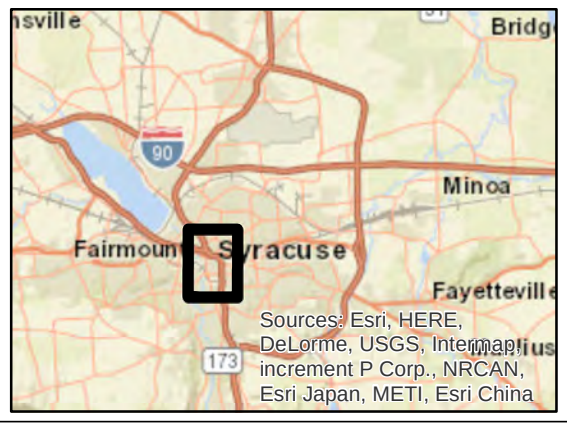


Legend

- No Noise Impact Predicted
- No-Build Exceedance of the FHWA NAC
- Project Noise Study Area Limits
- Downtown Exclusion Areas*

Project Location





* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 550 1,100 2,200 Feet

WATTS ARCHITECTURE & ENGINEERING

No-Build Alternative 2050
Noise Results (Page 1 of 12)

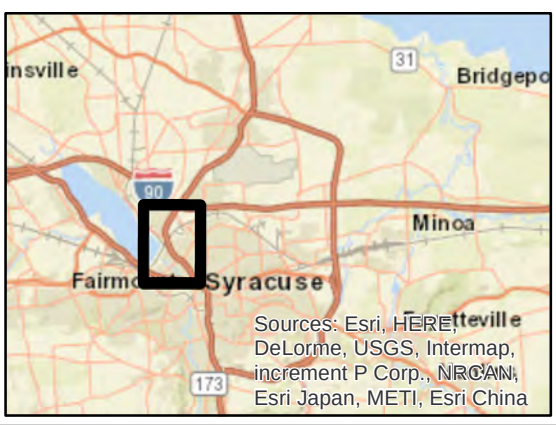
I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 3/31/2021

Legend

- No Noise Impact Predicted
- No-Build Exceedance of the FHWA NAC
- Existing Noise Barrier
- Project Noise Study Area Limits
- Downtown Exclusion Areas*

Project Location



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* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

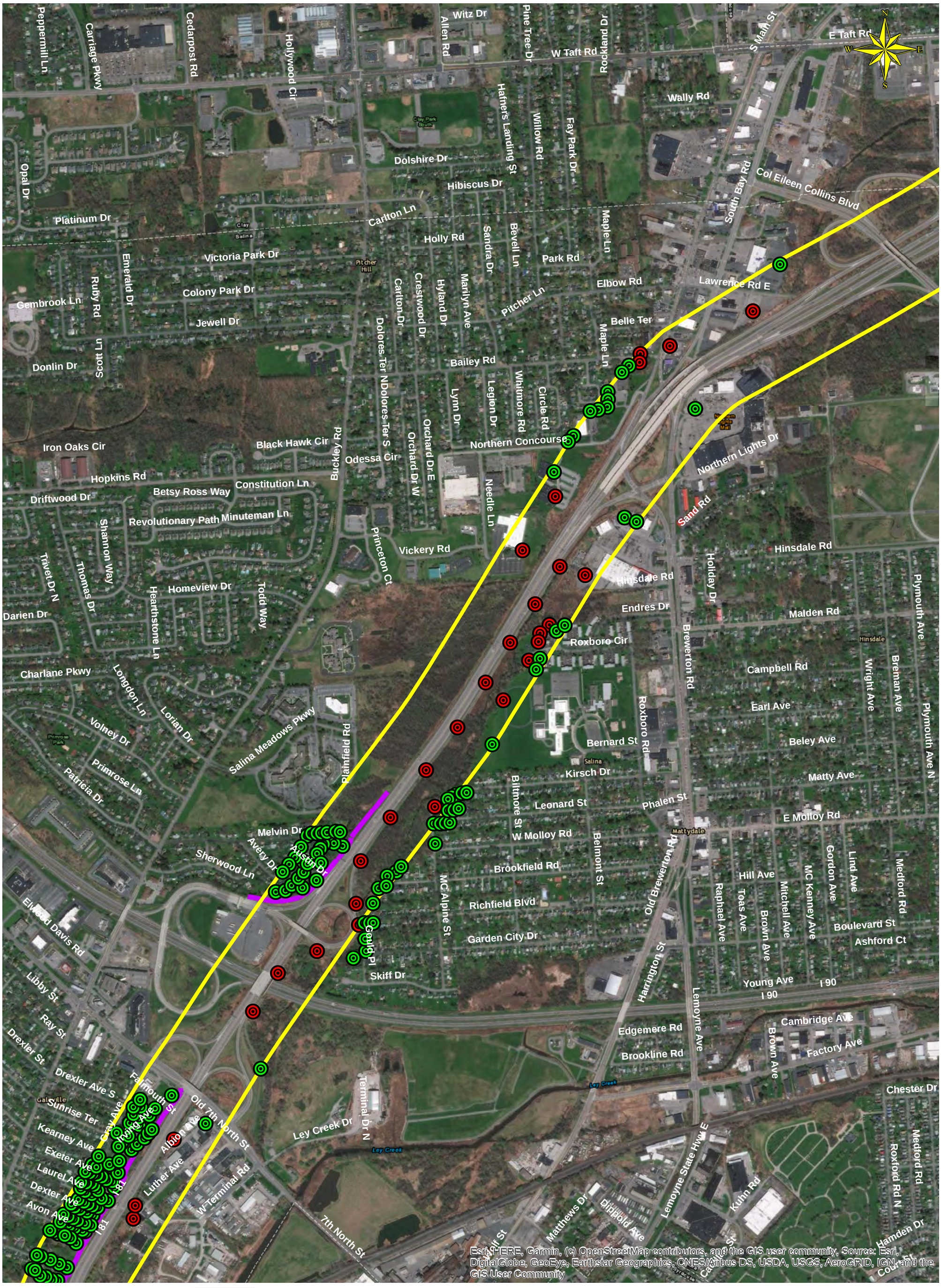
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

No-Build Alternative 2050
Noise Results (Page 2 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

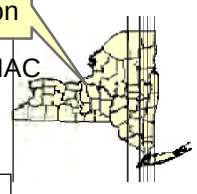
Date: 3/31/2021

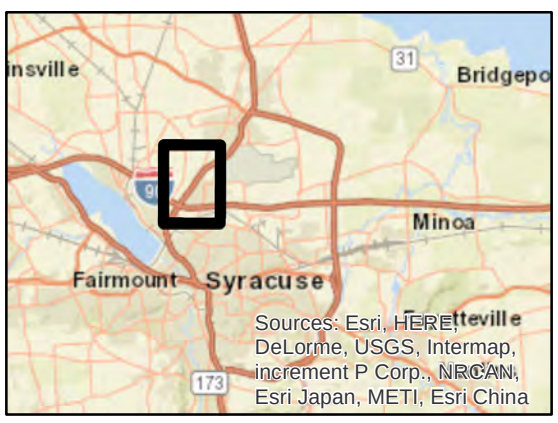


Legend

- No Noise Impact Predicted
- No-Build Exceedance of the FHWA NAC
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location





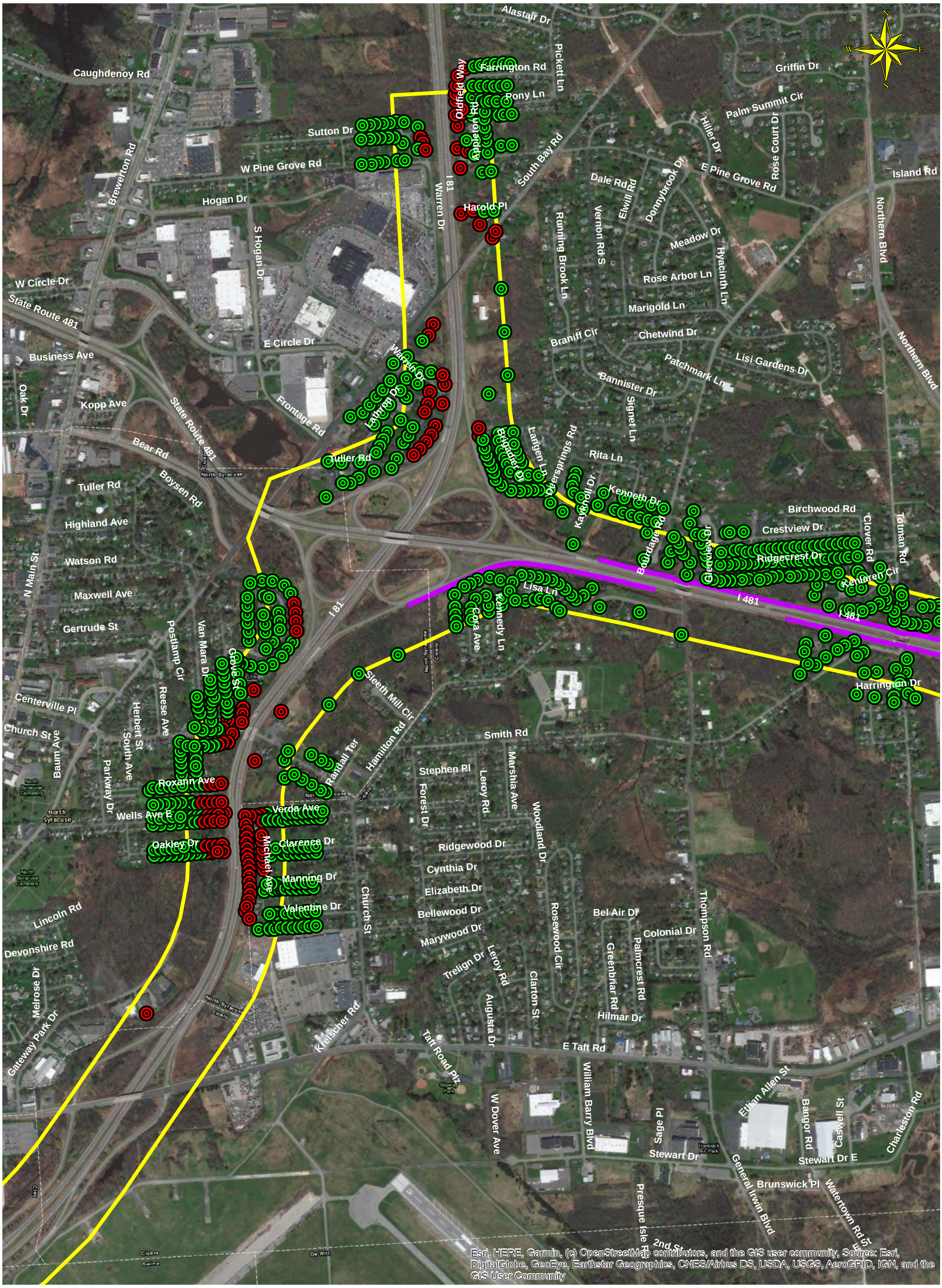
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

No-Build Alternative 2050
Noise Results (Page 3 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

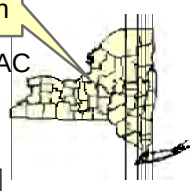
Date: 3/31/2021

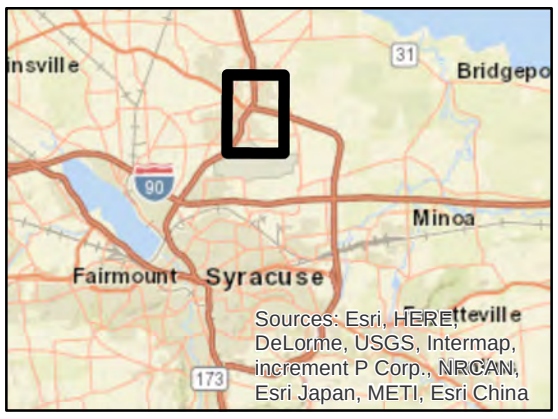


Legend

- No Noise Impact Predicted
- No-Build Exceedance of the FHWA NAC
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location





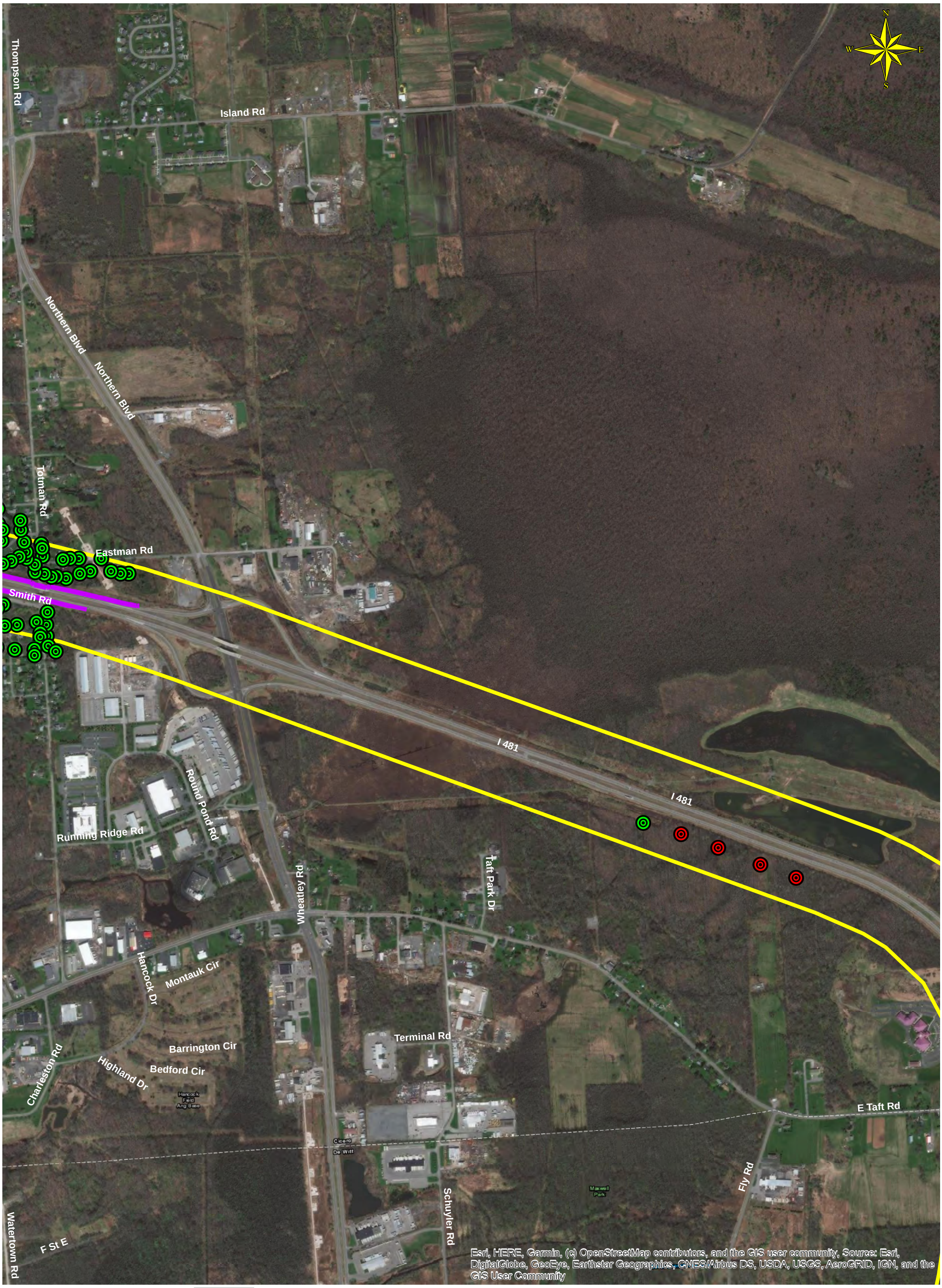
WATTS ARCHITECTURE & ENGINEERING

0 650 1,300 2,600 Feet

No-Build Alternative 2050
Noise Results (Page 4 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

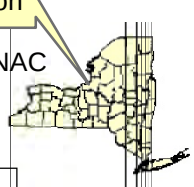
Date: 3/31/2021

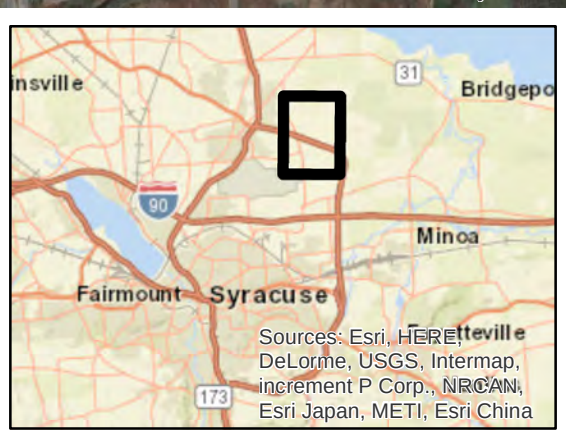


Legend

- No Noise Impact Predicted
- No-Build Exceedance of the FHWA NAC
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location





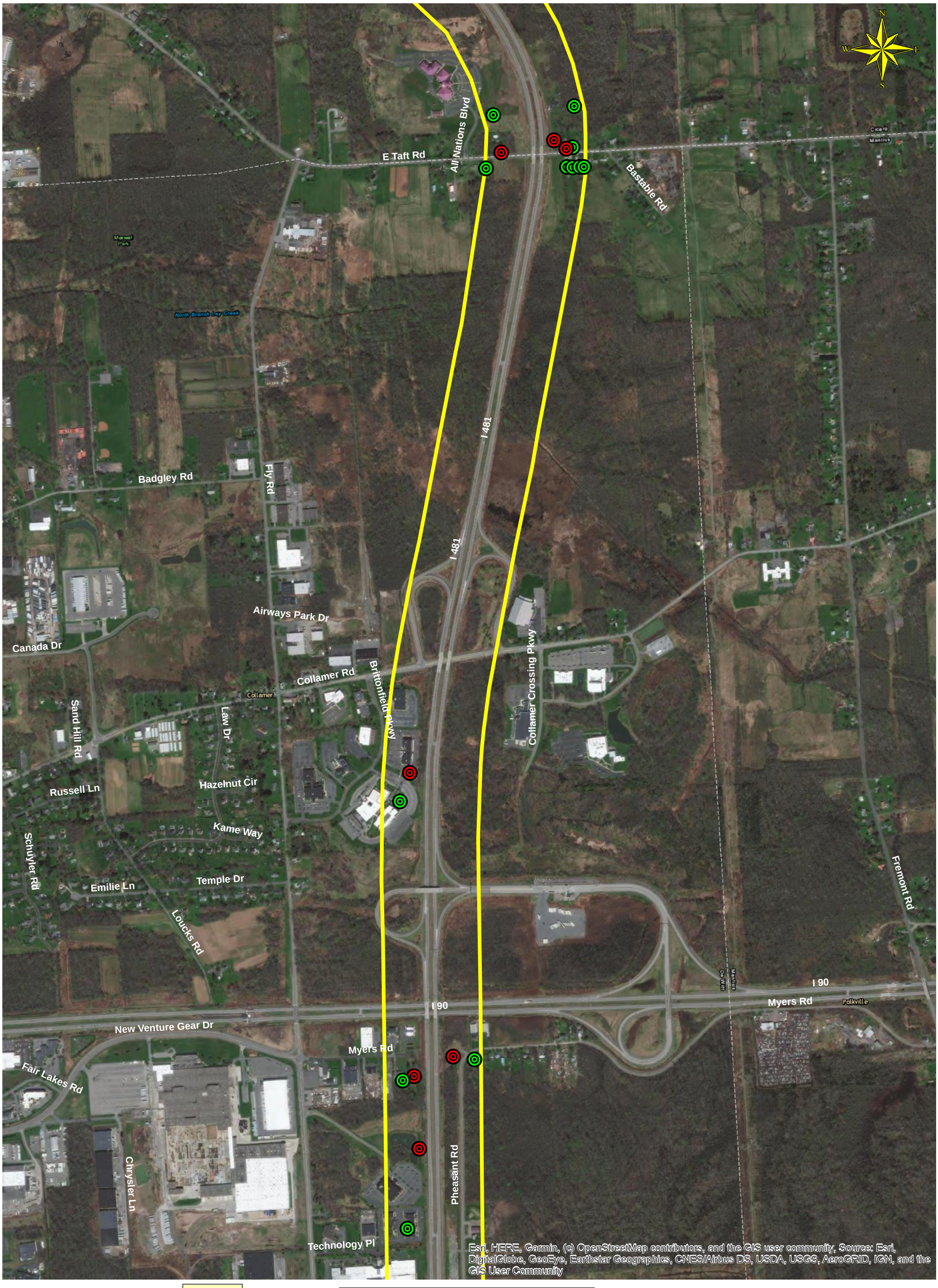
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

No-Build Alternative 2050
Noise Results (Page 5 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

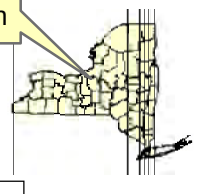
Date: 3/31/2021

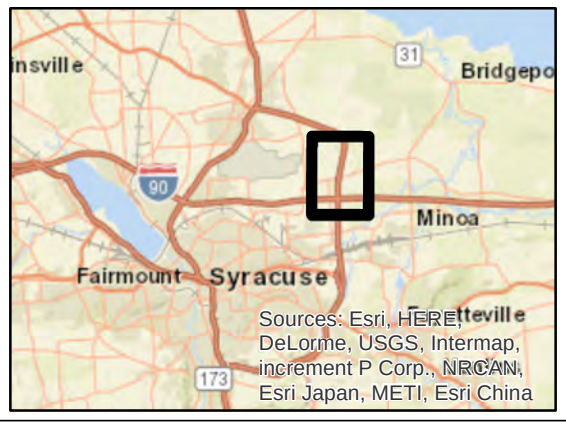


Legend

- No Noise Impact Predicted
- No-Build Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

No-Build Alternative 2050
Noise Results (Page 6 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

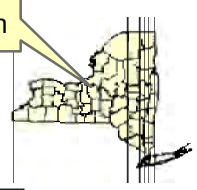
Date: 3/31/2021

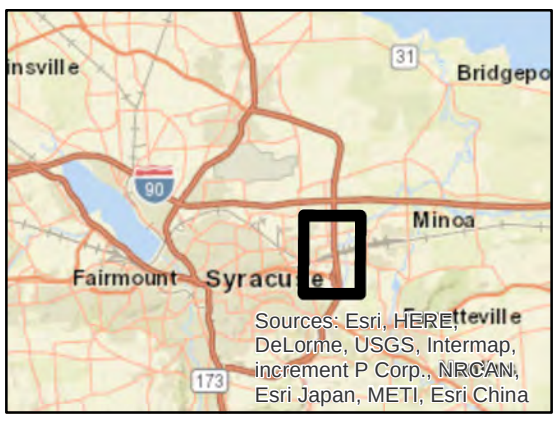
Sunny Square Dr
Wembridge Pl
Deerfield Rd
Tilden Dr
Wembridge Dr
Carson Dr
Curwood Dr
Wells Dr
Fly Rd
Benedict Rd
Pheasant Rd
Winchester Rd
Barton Cir
Stillwell Cir
Sargent Rd
Franklin Park Dr
Washburn Dr
Rutger Rd
Richwood Dr
Longwood Dr
Stillwater Dr
Arones Dr
Bishop Grimes School Dr
Lyons St
I 481
Roberts St
Girden Rd
Kirkville Rd
Watertree Dr
Swanka Blvd
Yale Ave
Frederick St
James St
James Street Mnr
Hartwell Ave
N Center St
East Syracuse
E Ellis St
Tobinlea Cir
W Irving St
E Irving St
Dausmann St
Spring St
Mosher St
McCool Ave
W Heman St
E Heman St
W Yates St
E Yates St
Silver St
Upton St
North St
W Ellis St
East Syracuse
W Manlius St
E Manlius St
W Terrace St
E Terrace St
E 1st St
E 2nd St
Manlius Center Rd
Chevy Dr
Manlius Townline Rd
Kendall Dr W
Claymaster Dr
Eisenhower Ave
W 1st St
E 1st St
S Center St
Welch St
W 2nd St
Bagg St
Johnson St
Old Bridge St
Basile Rowe
Galster Rd
Wilbur Rd
Drott Dr
Butternut Creek
I 690
Bridge St
East Syracuse
De Witt
Marginal Rd
Enterprise Pkwy
Service Road
Pyle Dr
Fisher Rd
Kravec Dr
Erie Blvd E
Cell Dr
Paula Dr
Towpath Rd
Commons Park
Orrick Rd
Stanton Dr
Terrace Cir
Sutton Pl
Fietta Dr
Widewaters Pkwy
Westminster Rd
Marsh Dr
Craig Cir
Buttermut Dr
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- No Noise Impact Predicted
- No-Build Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





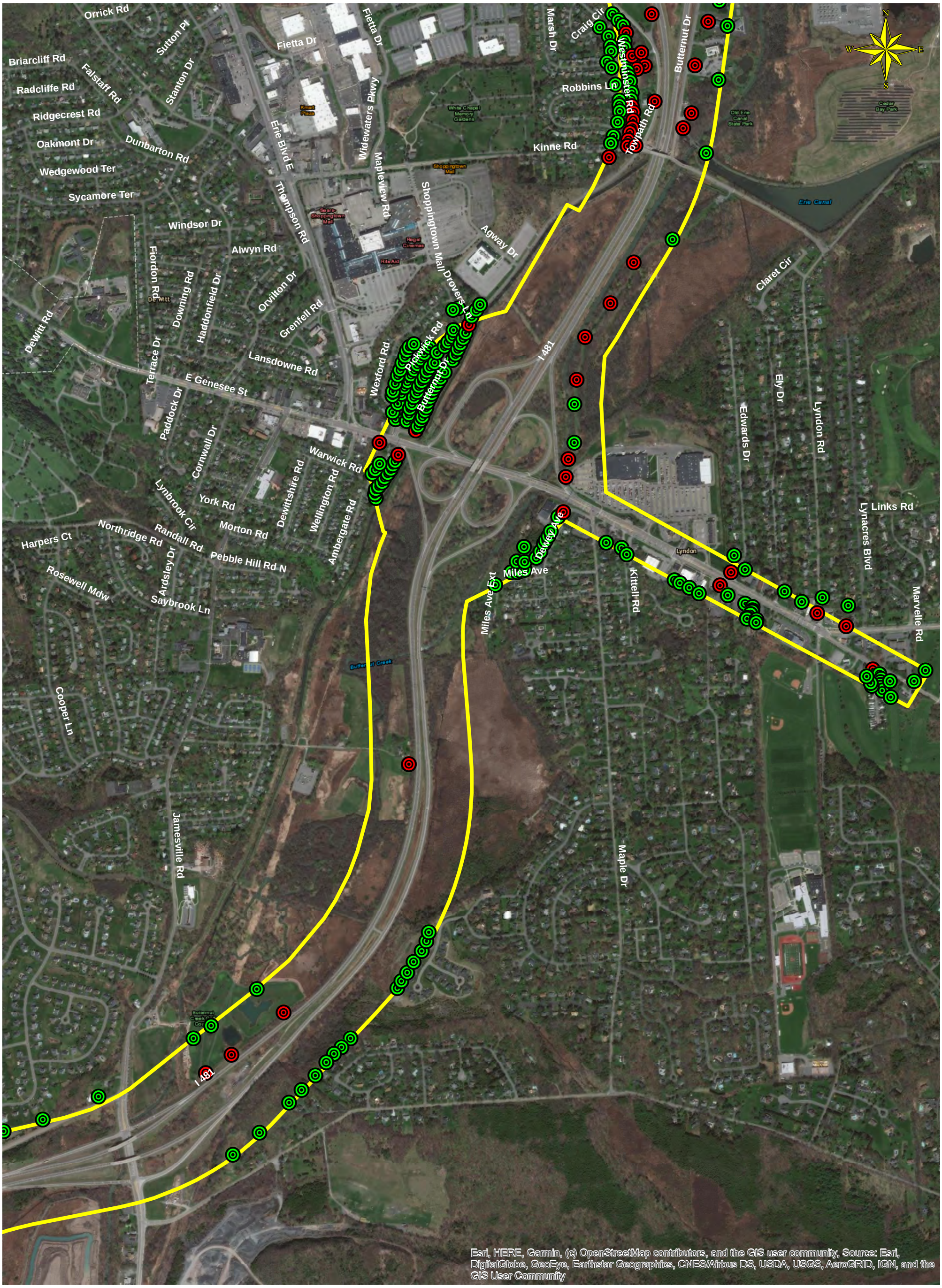
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

No-Build Alternative 2050
Noise Results (Page 7 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

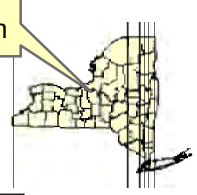
Date: 3/31/2021

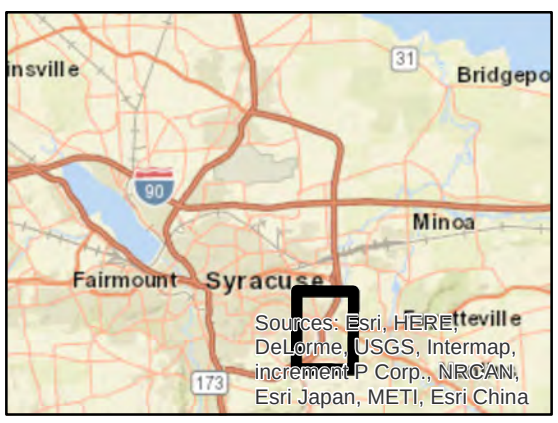


Legend

- No Noise Impact Predicted
- No-Build Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





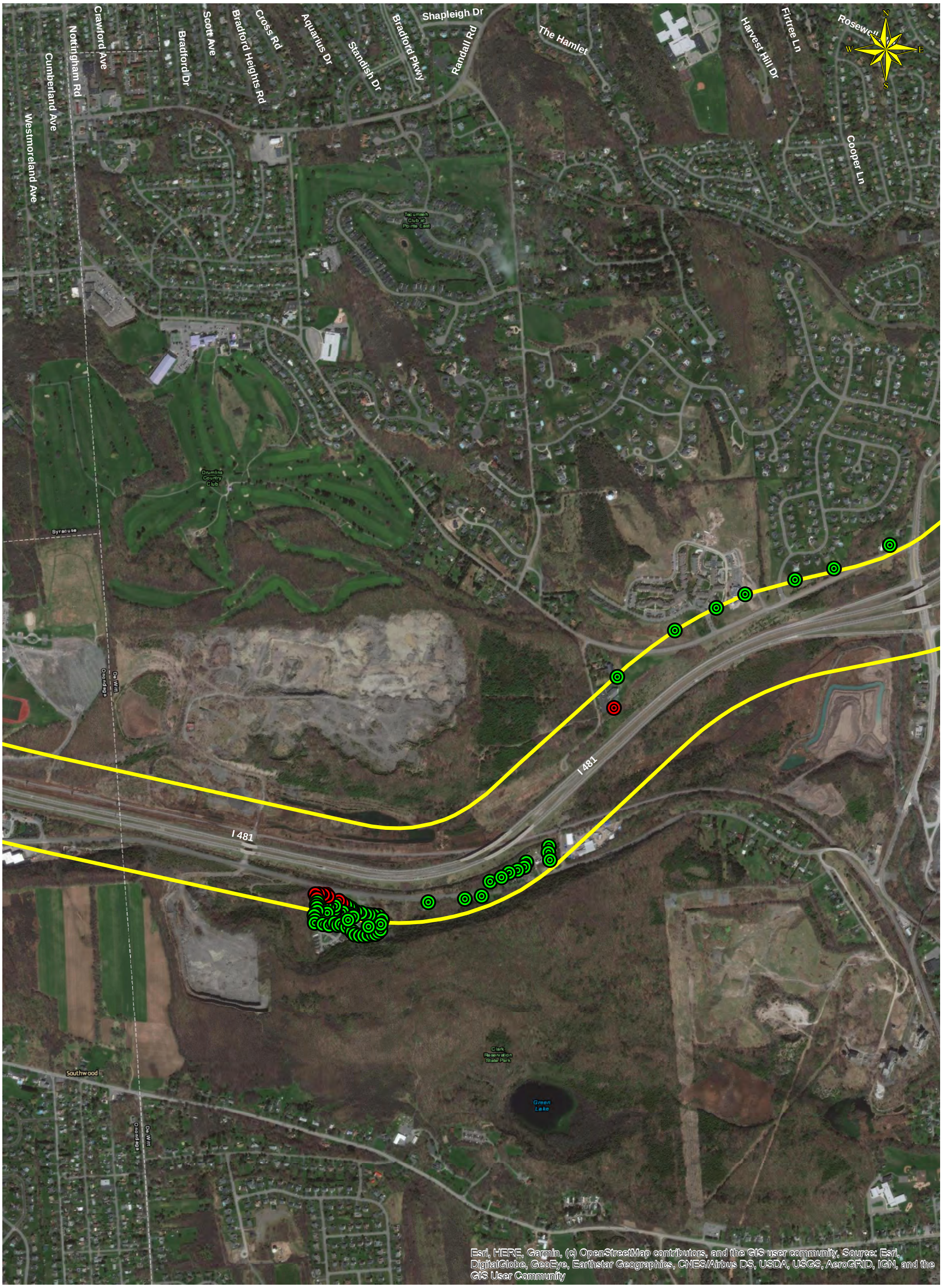
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

No-Build Alternative 2050
Noise Results (Page 8 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

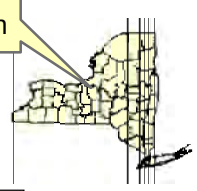
Date: 3/31/2021

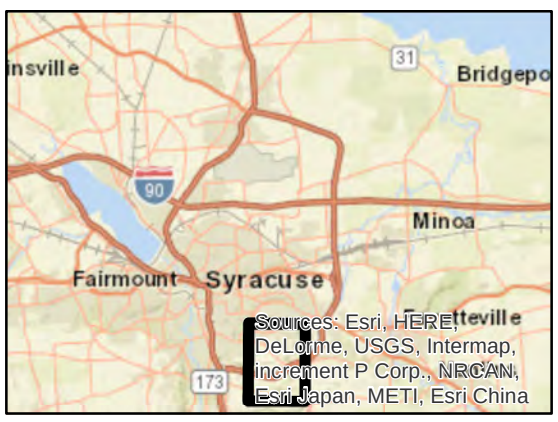


Legend

- No Noise Impact Predicted
- No-Build Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





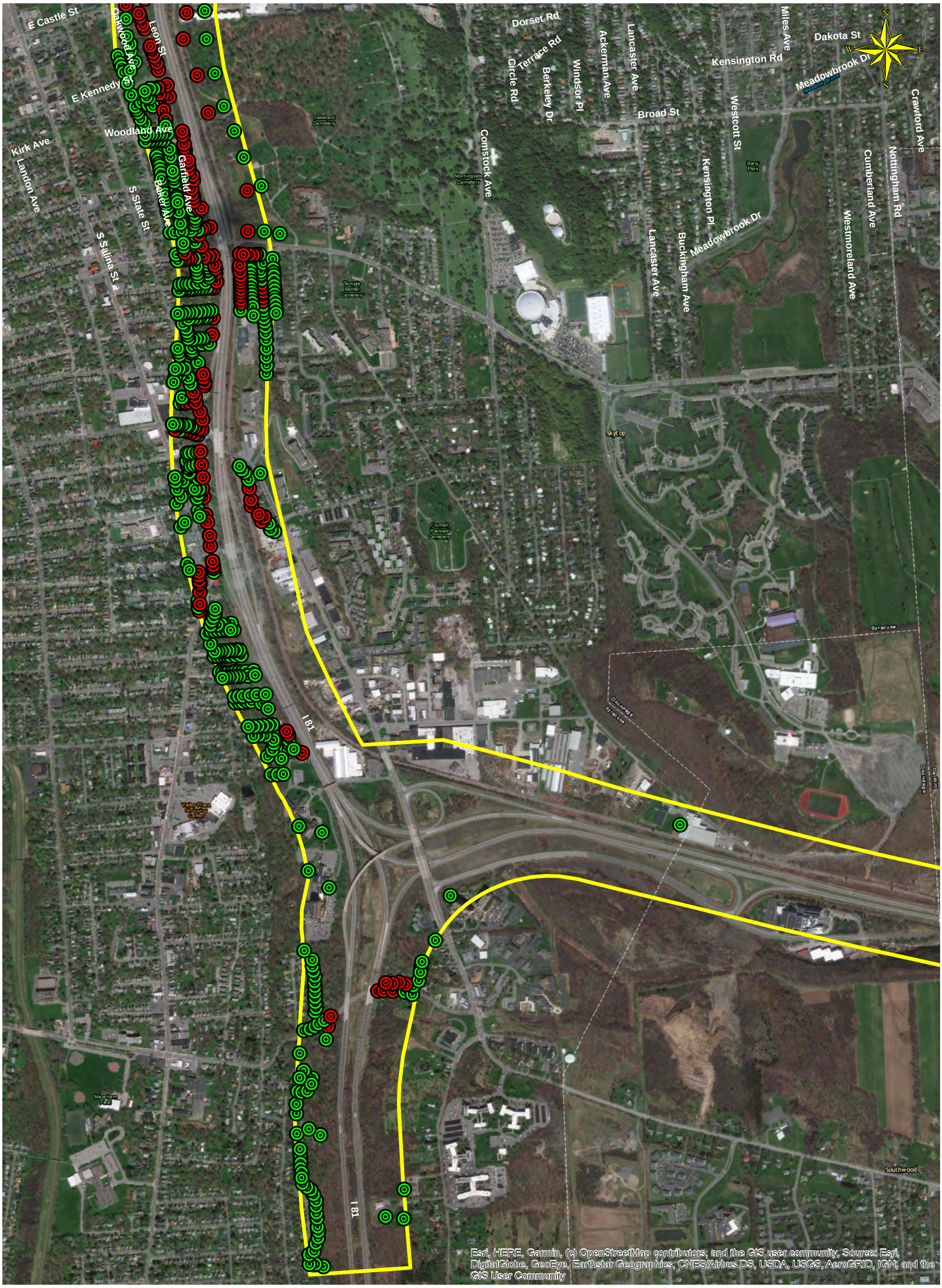
WATTS ARCHITECTURE & ENGINEERING

0 650 1,300 2,600 Feet

No-Build Alternative 2050
Noise Results (Page 9 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

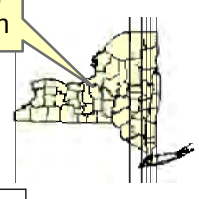
Date: 3/31/2021

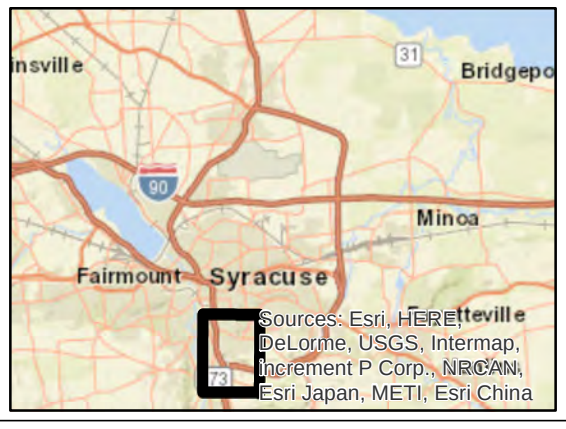


Legend

- No Noise Impact Predicted
- No-Build Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





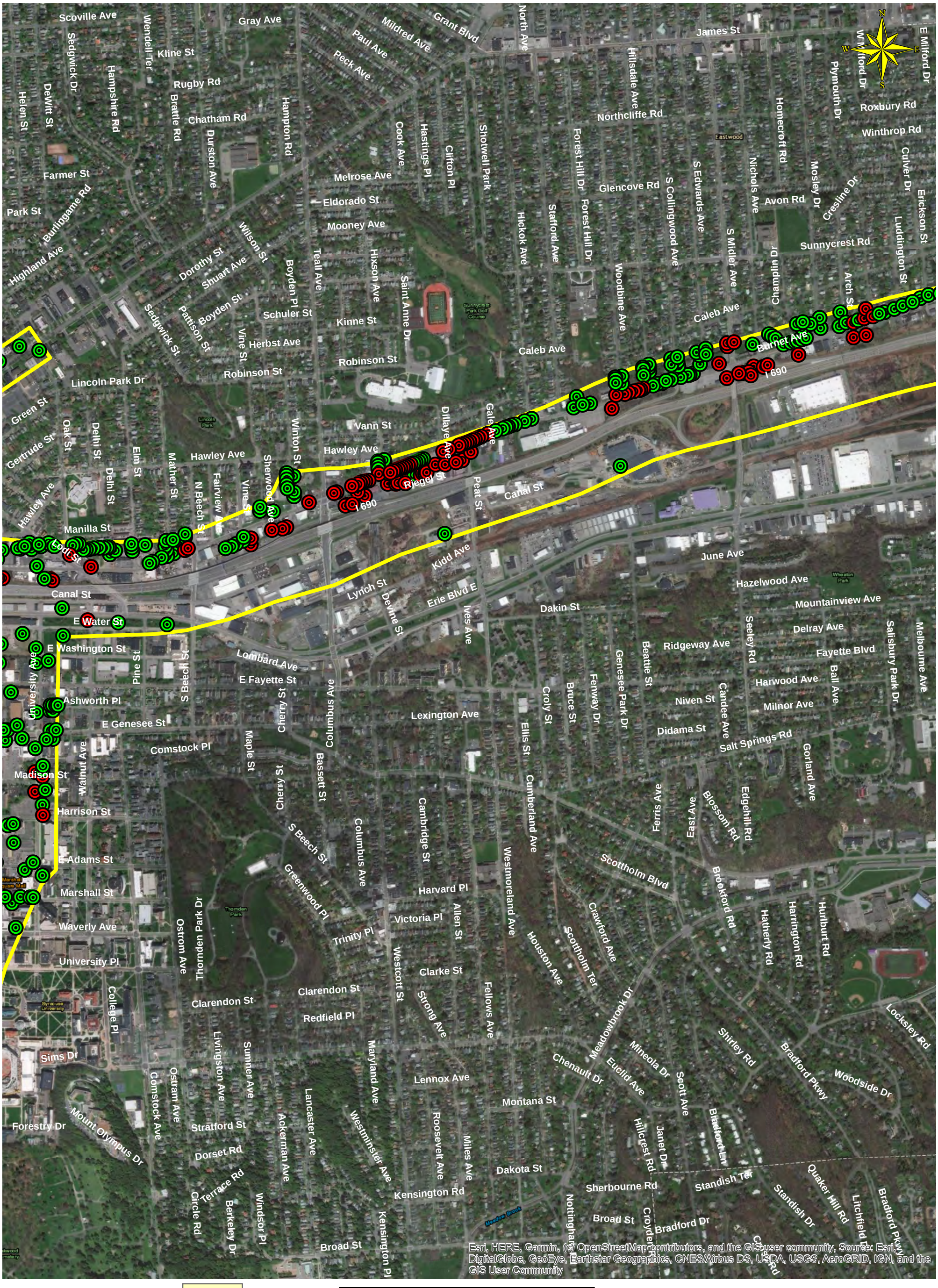
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

No-Build Alternative 2050
Noise Results (Page 10 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

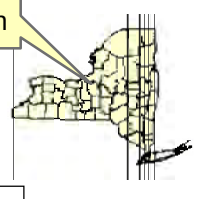
Date: 3/31/2021

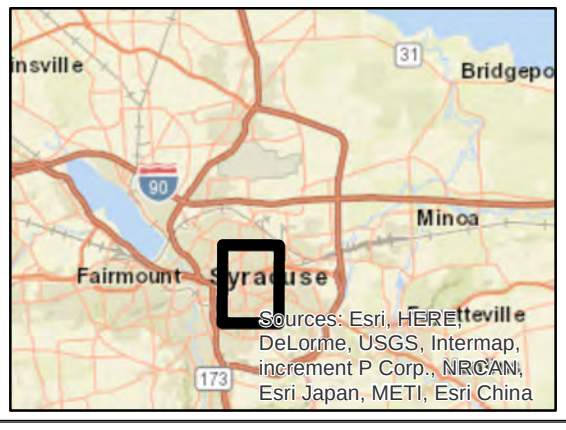


Legend

- No Noise Impact Predicted
- No-Build Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





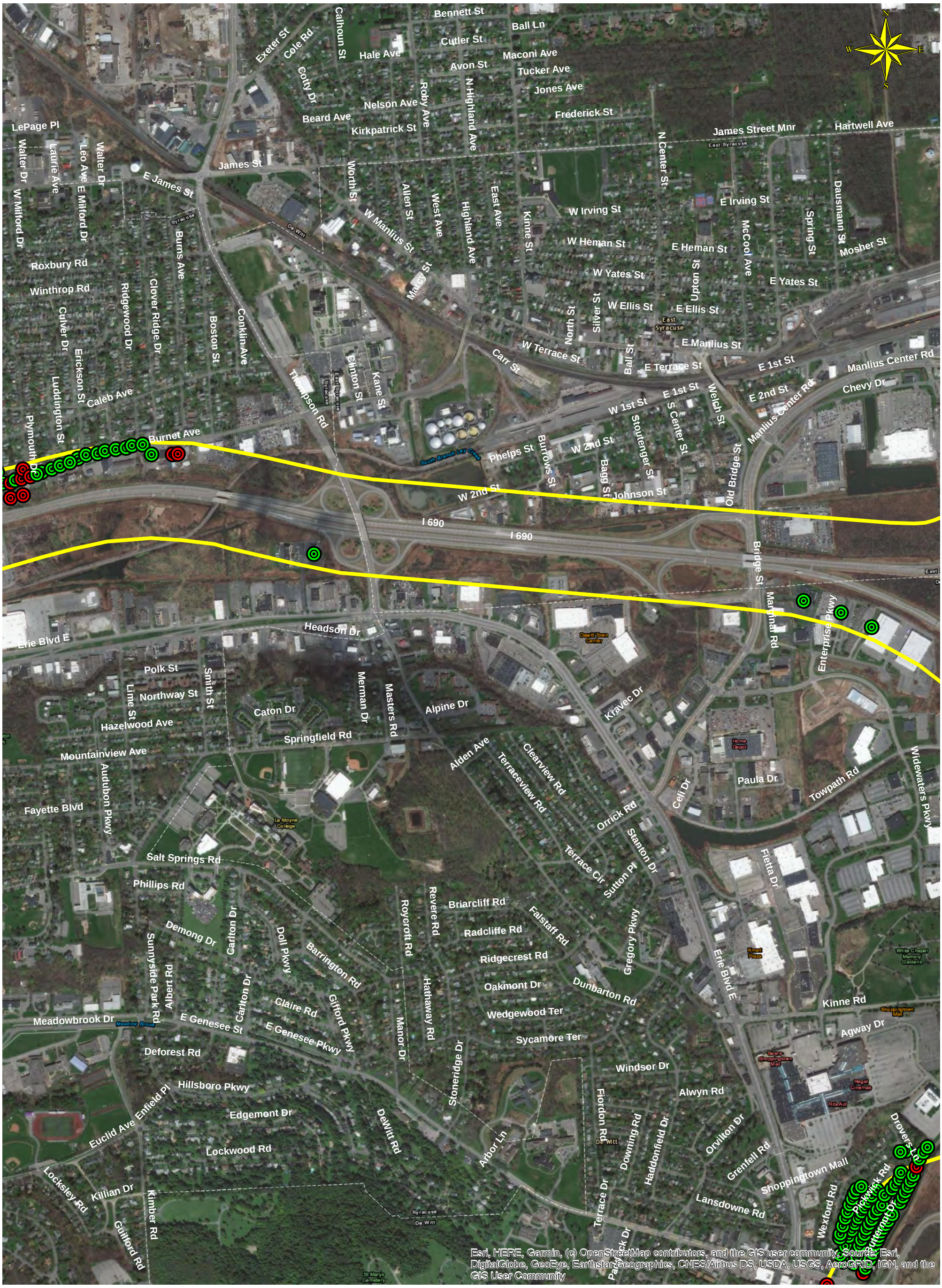
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

No-Build Alternative 2050
Noise Results (Page 11 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

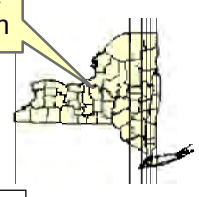
Date: 3/31/2021

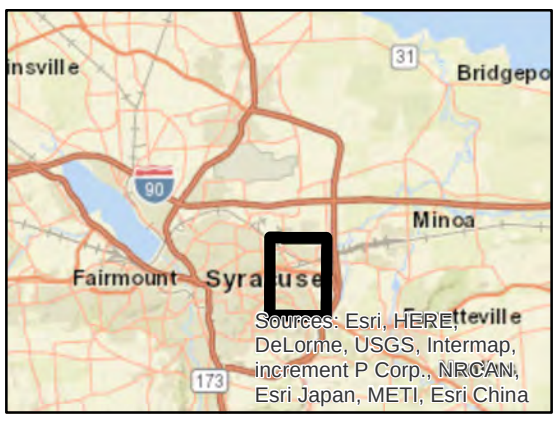


Legend

- No Noise Impact Predicted
- No-Build Exceedance of the FHWA NAC
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

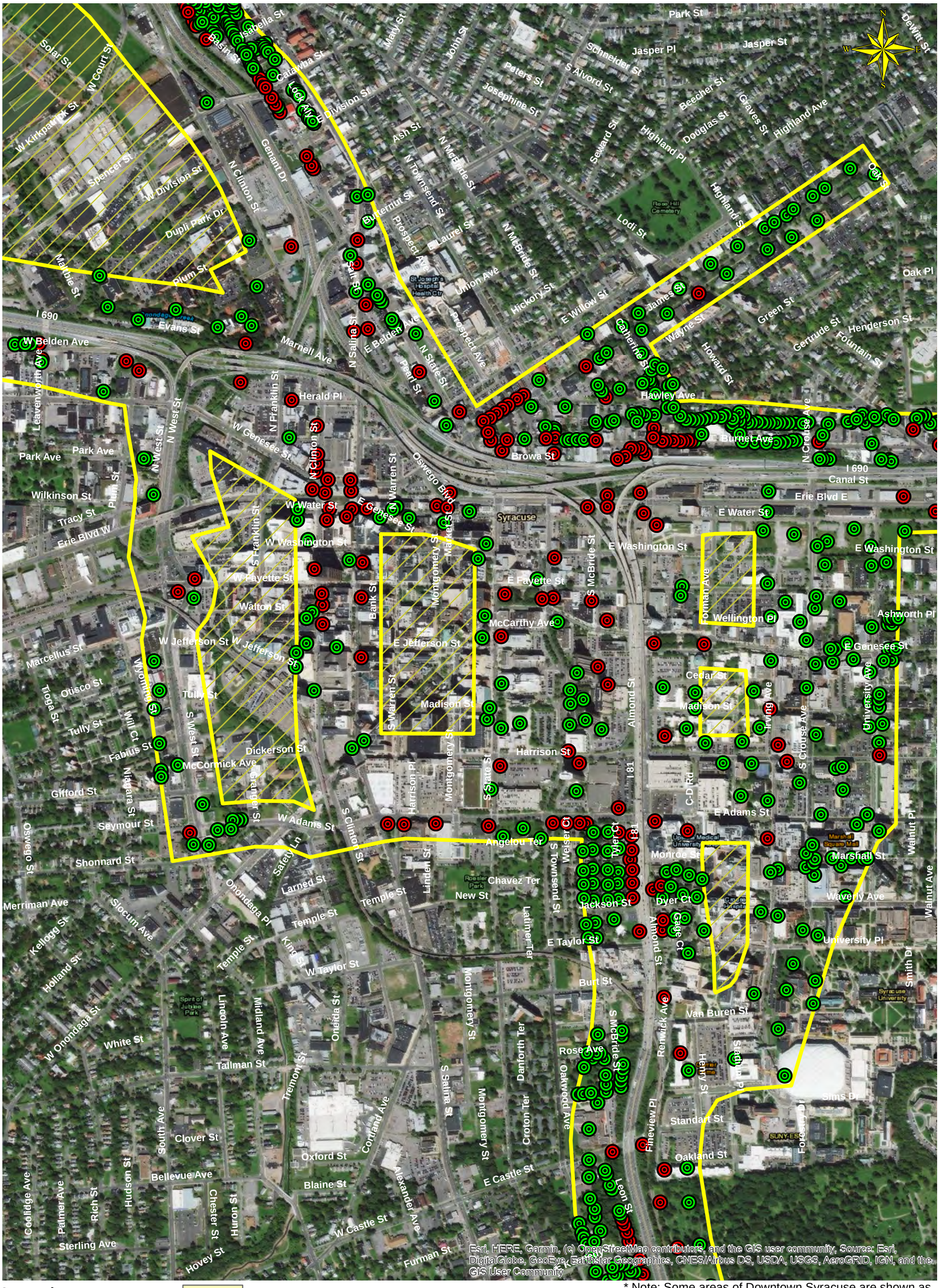
No-Build Alternative 2050
Noise Results (Page 12 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 3/31/2021

ATTACHMENT F

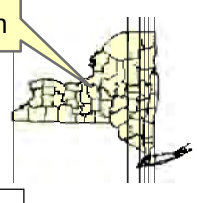
2050 Viaduct Alternative Conditions Noise Results Figures

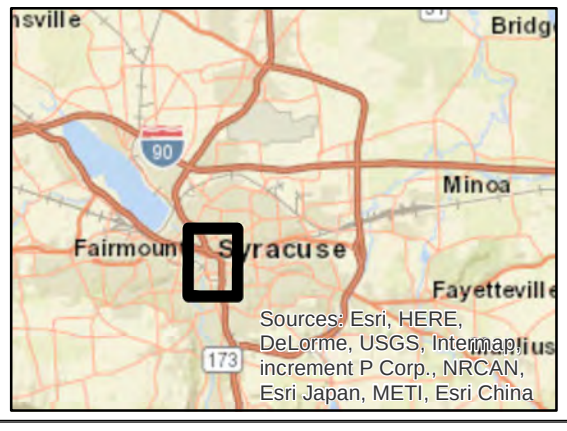


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits
- Downtown Exclusion Areas*

Project Location





* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 550 1,100 2,200 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Analysis Results (Page 1 of 12)

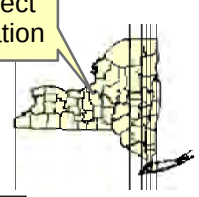
I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

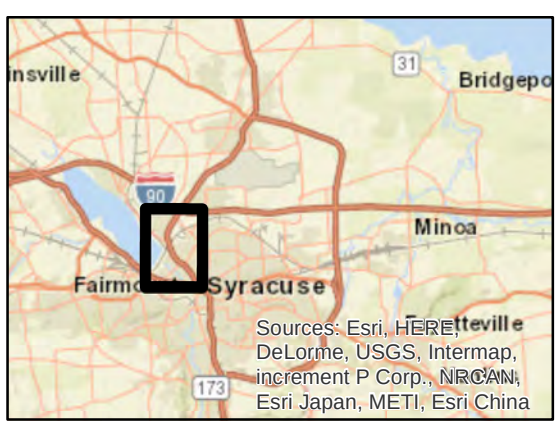
Date: 10/7/2020

Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Existing Noise Barrier
- Project Noise Study Area Limits
- Downtown Exclusion Areas*

Project Location





* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

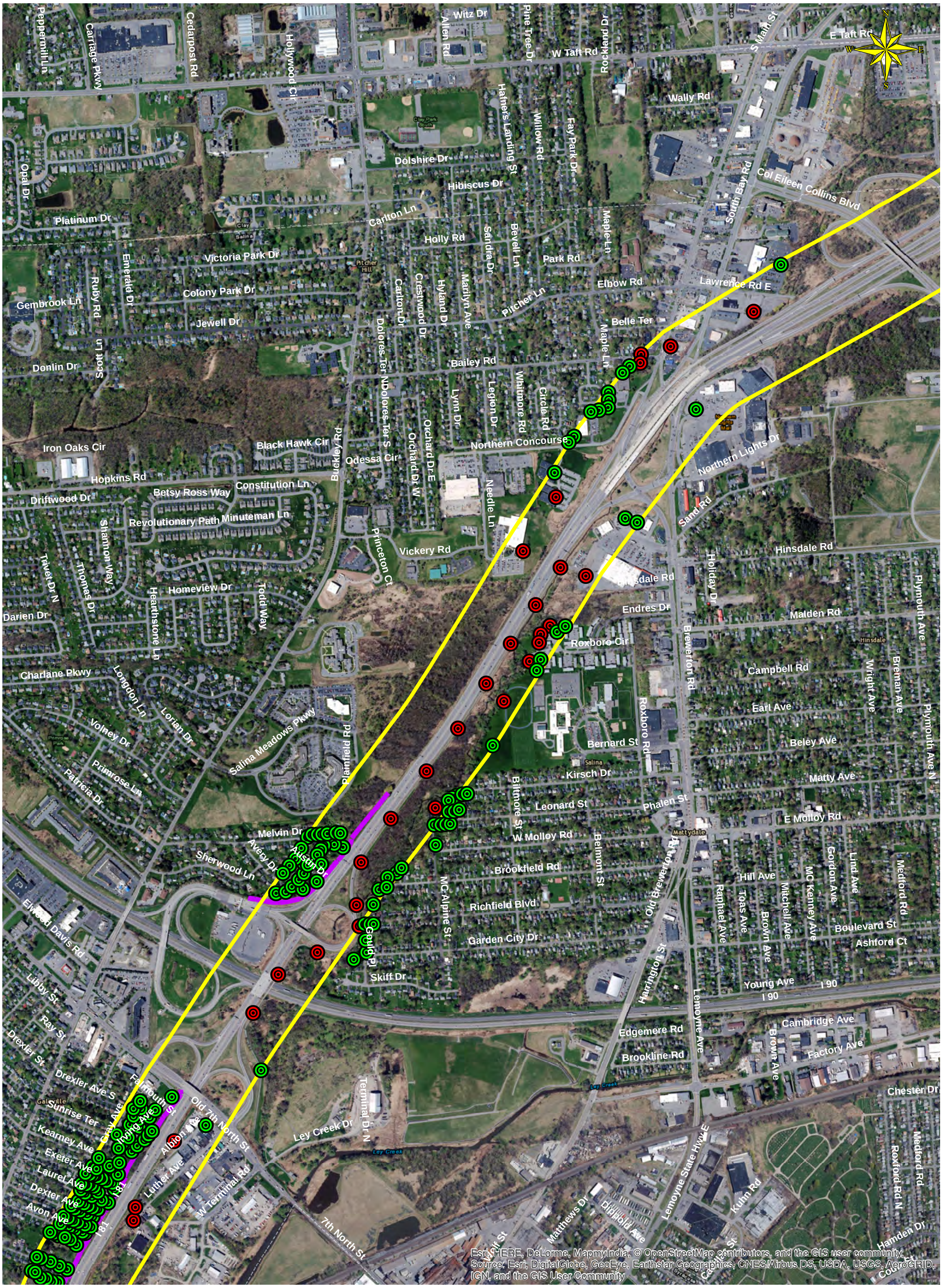
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Analysis Results (Page 2 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

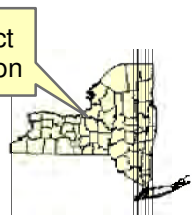
Date: 10/7/2020

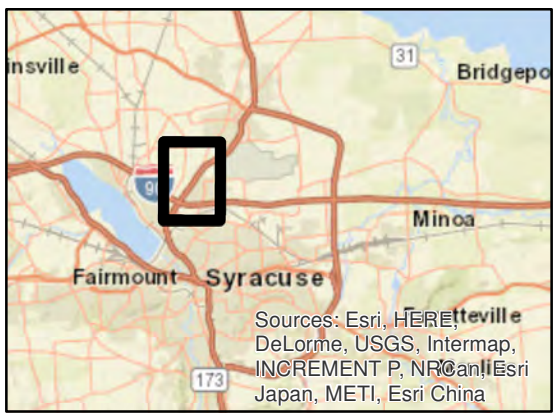


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location





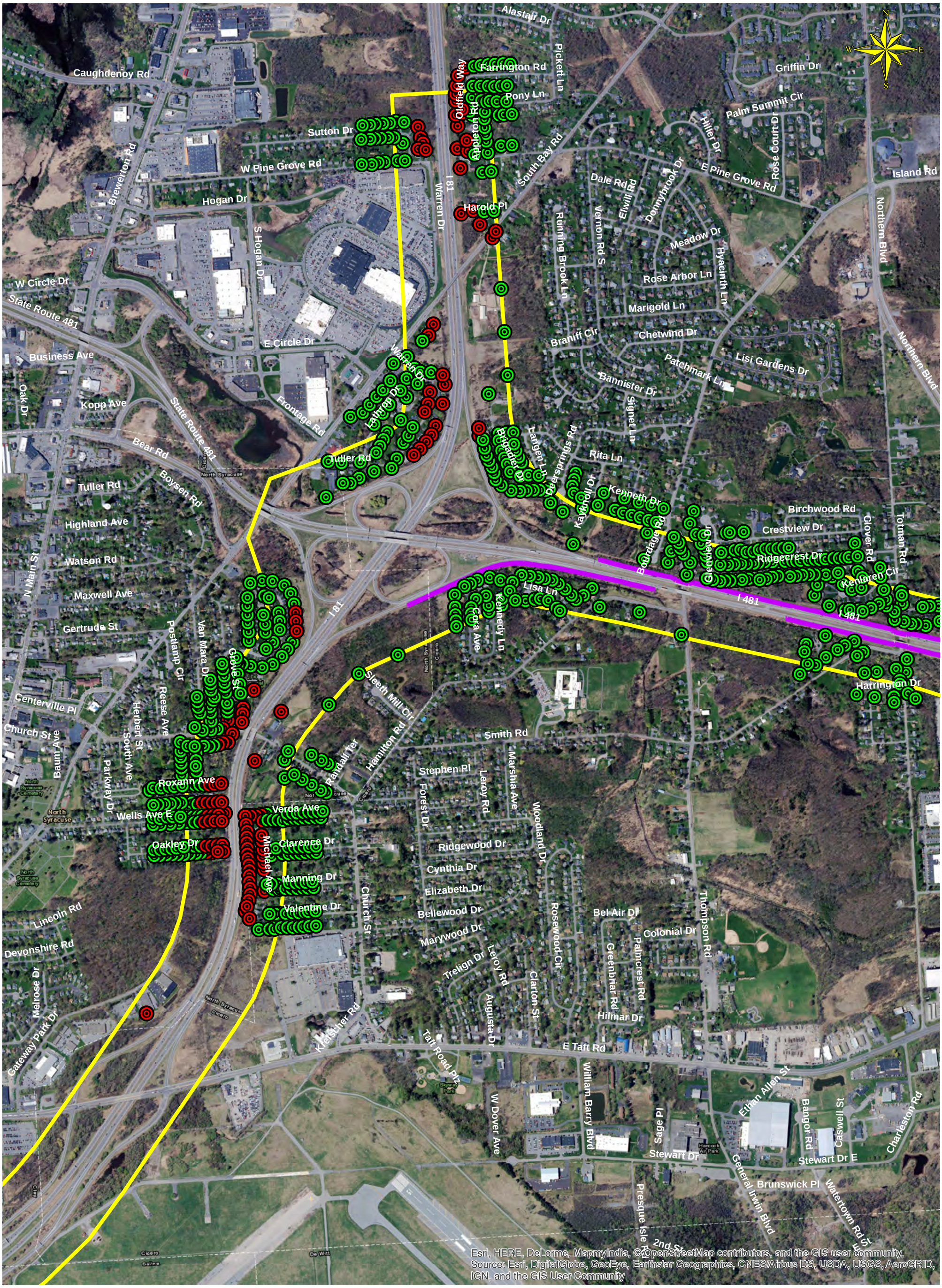
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Analysis Results (Page 3 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

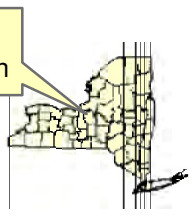
Date: 2/14/2020

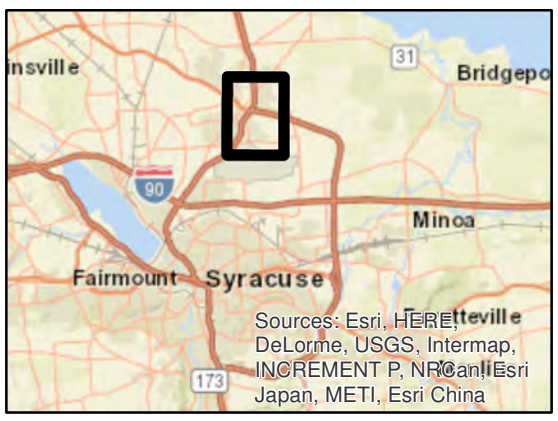


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location





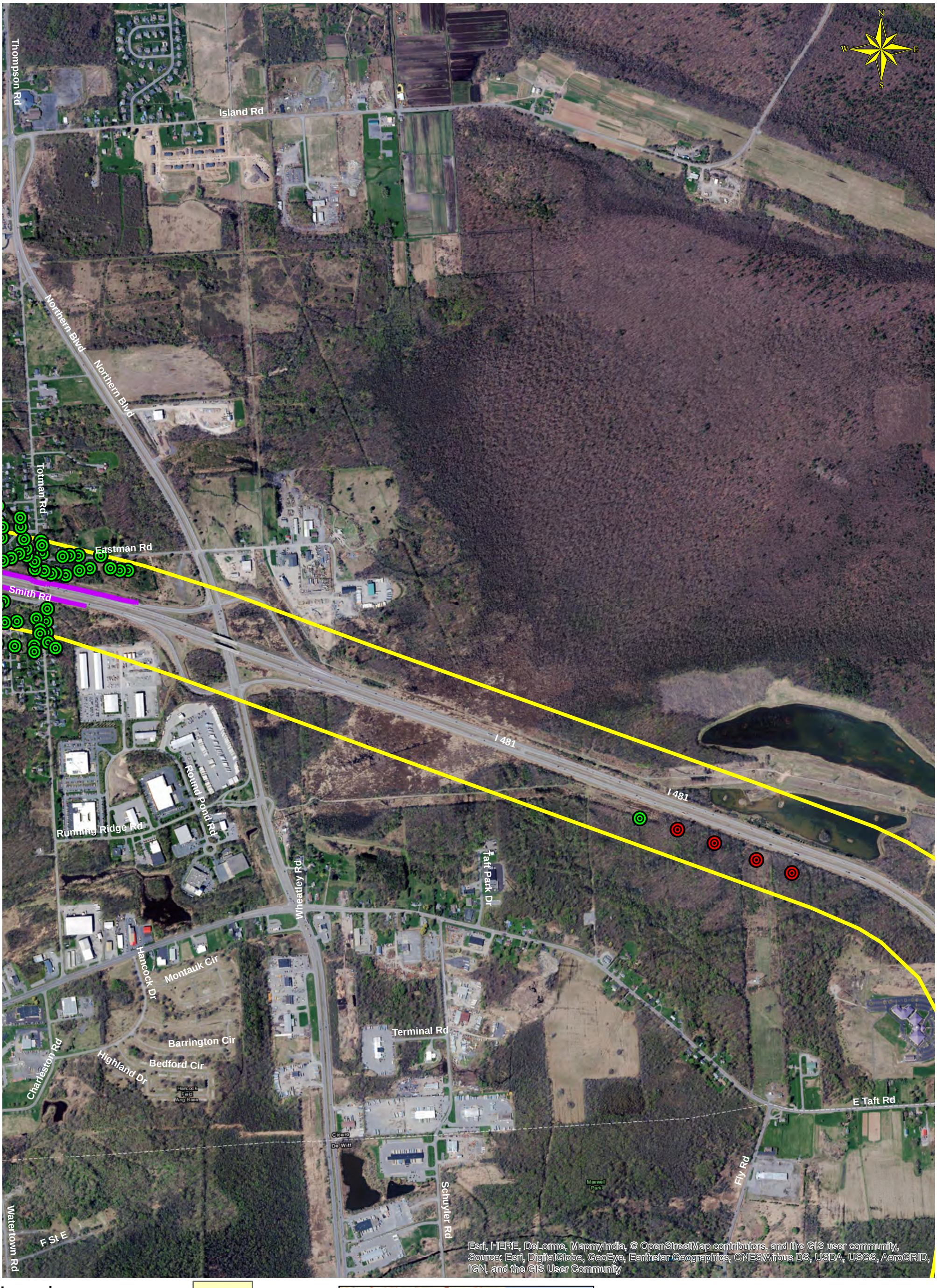
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Analysis Results (Page 4 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

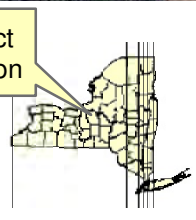
Date: 2/14/2020

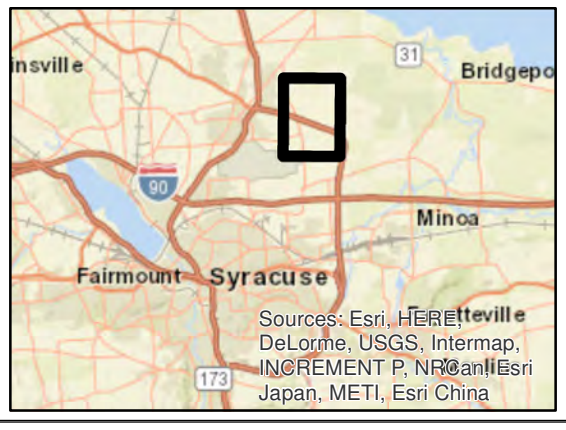


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location





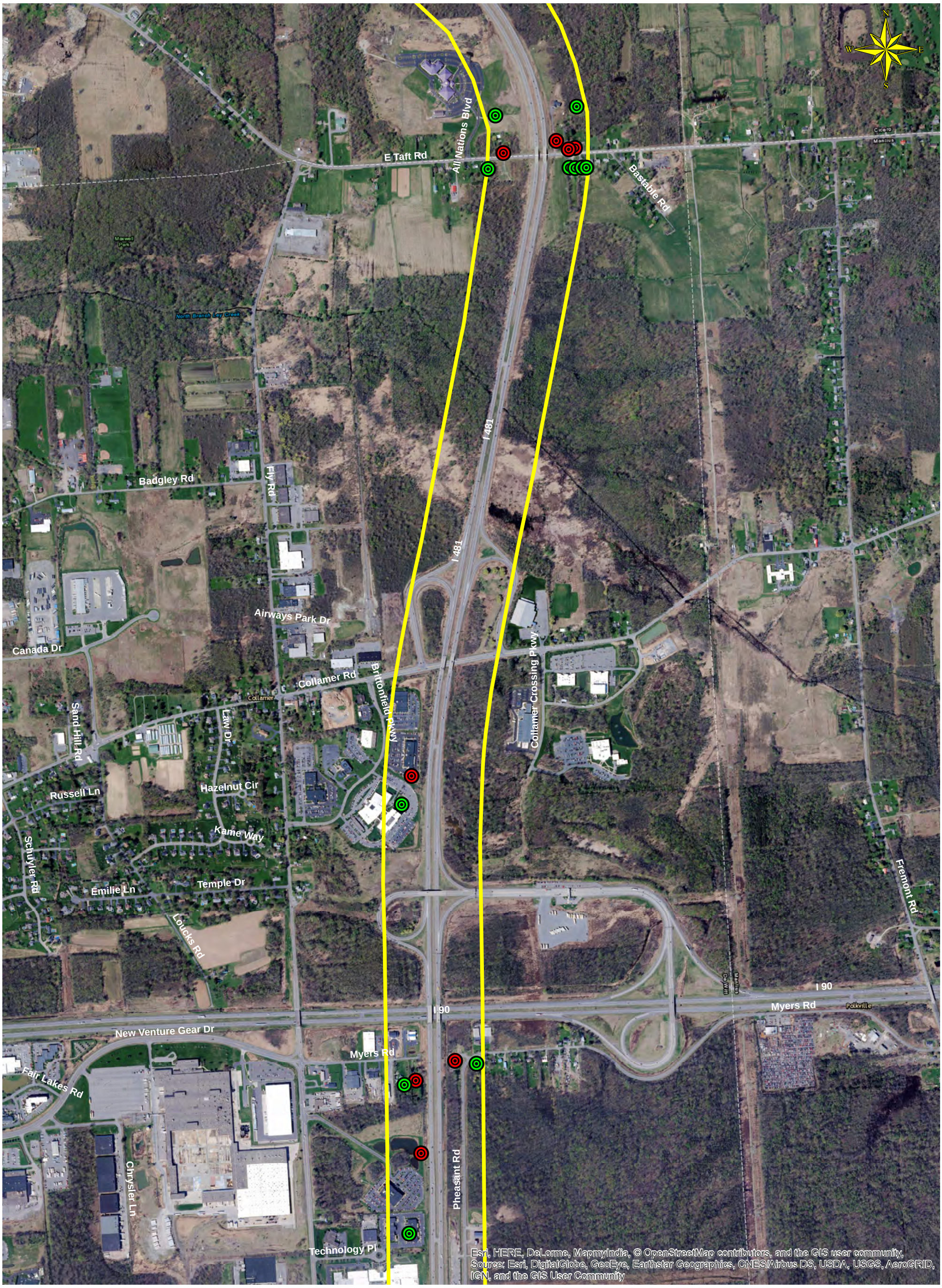
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Analysis Results (Page 5 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

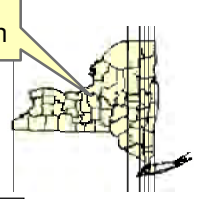
Date: 2/14/2020

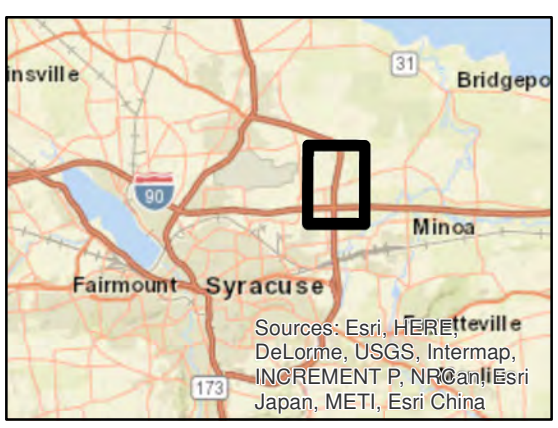


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





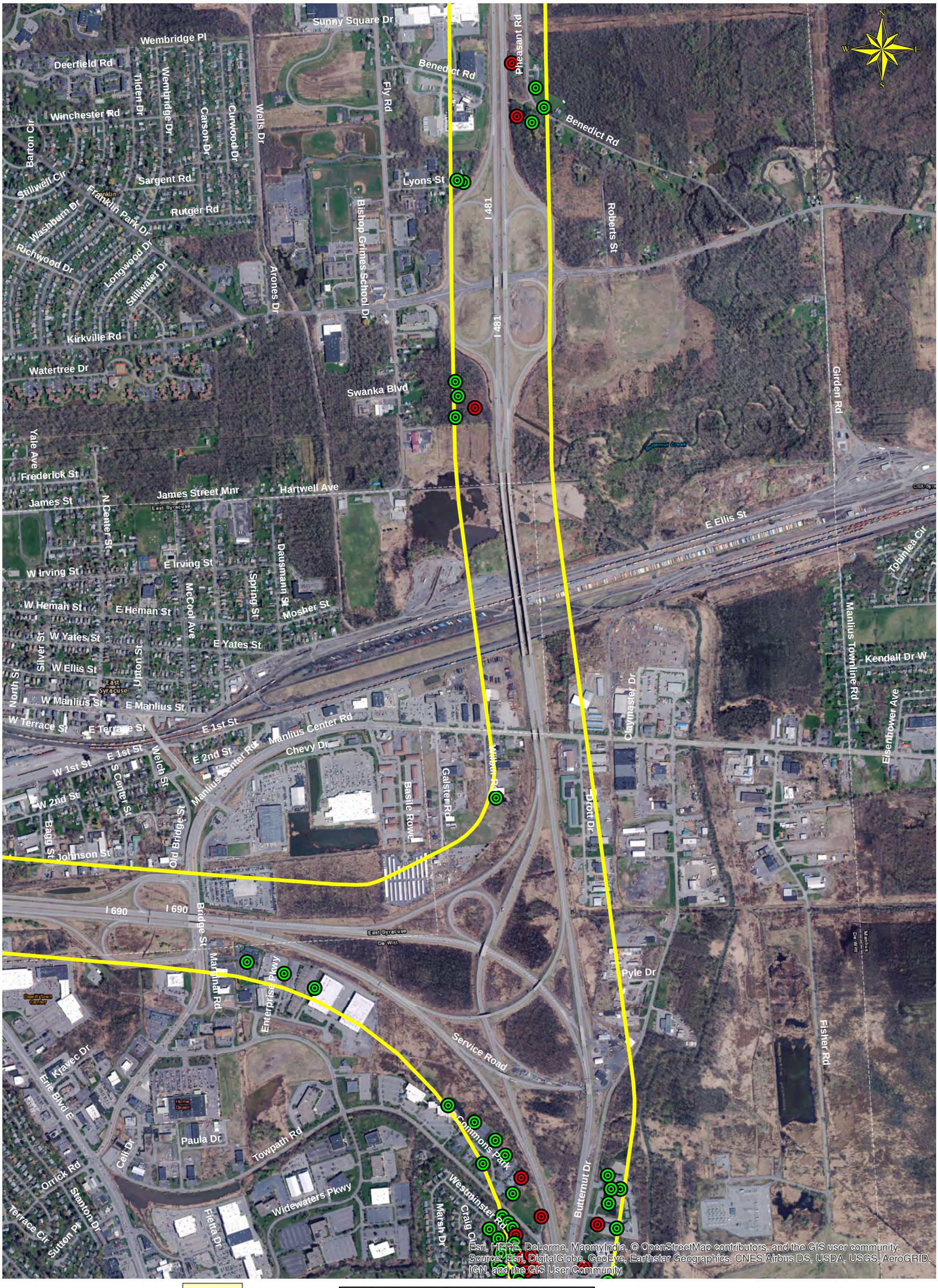
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Analysis Results (Page 6 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

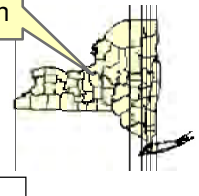
Date: 2/14/2020

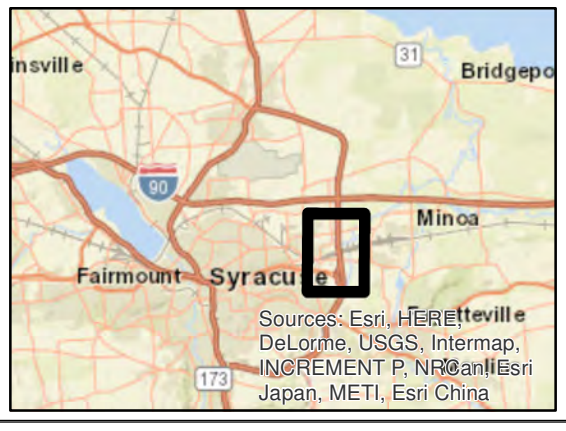


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





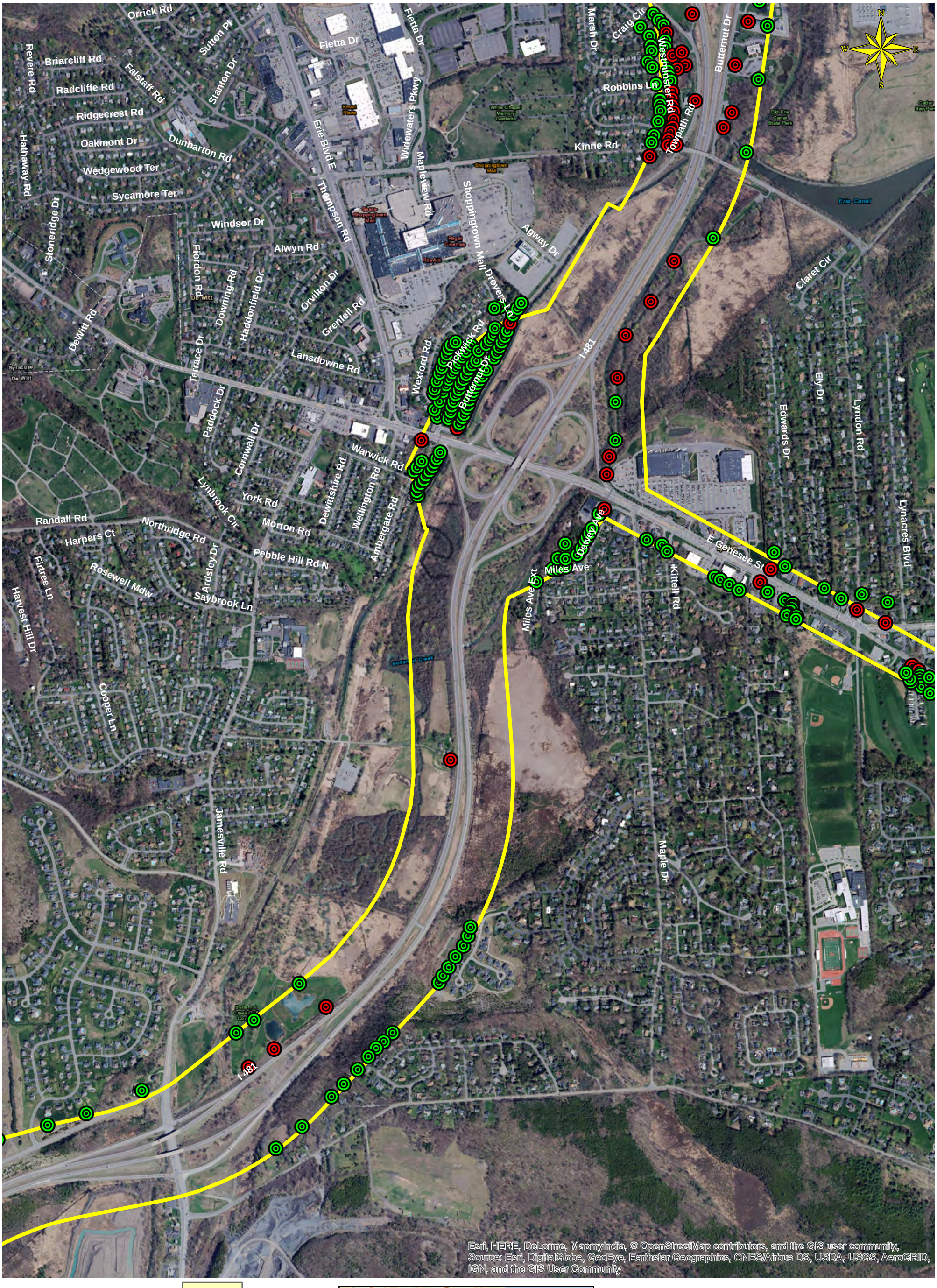
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Analysis Results (Page 7 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

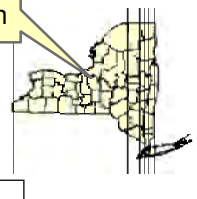
Date: 2/14/2020

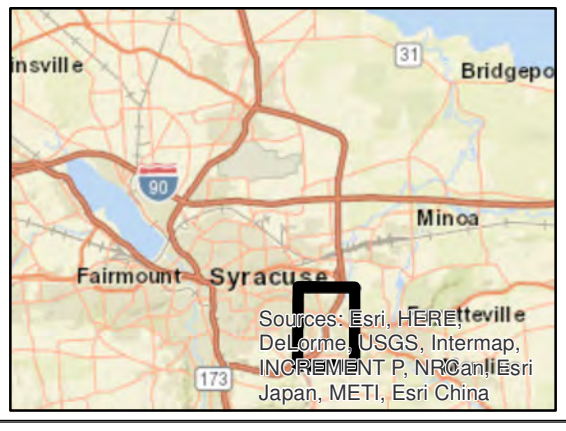


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





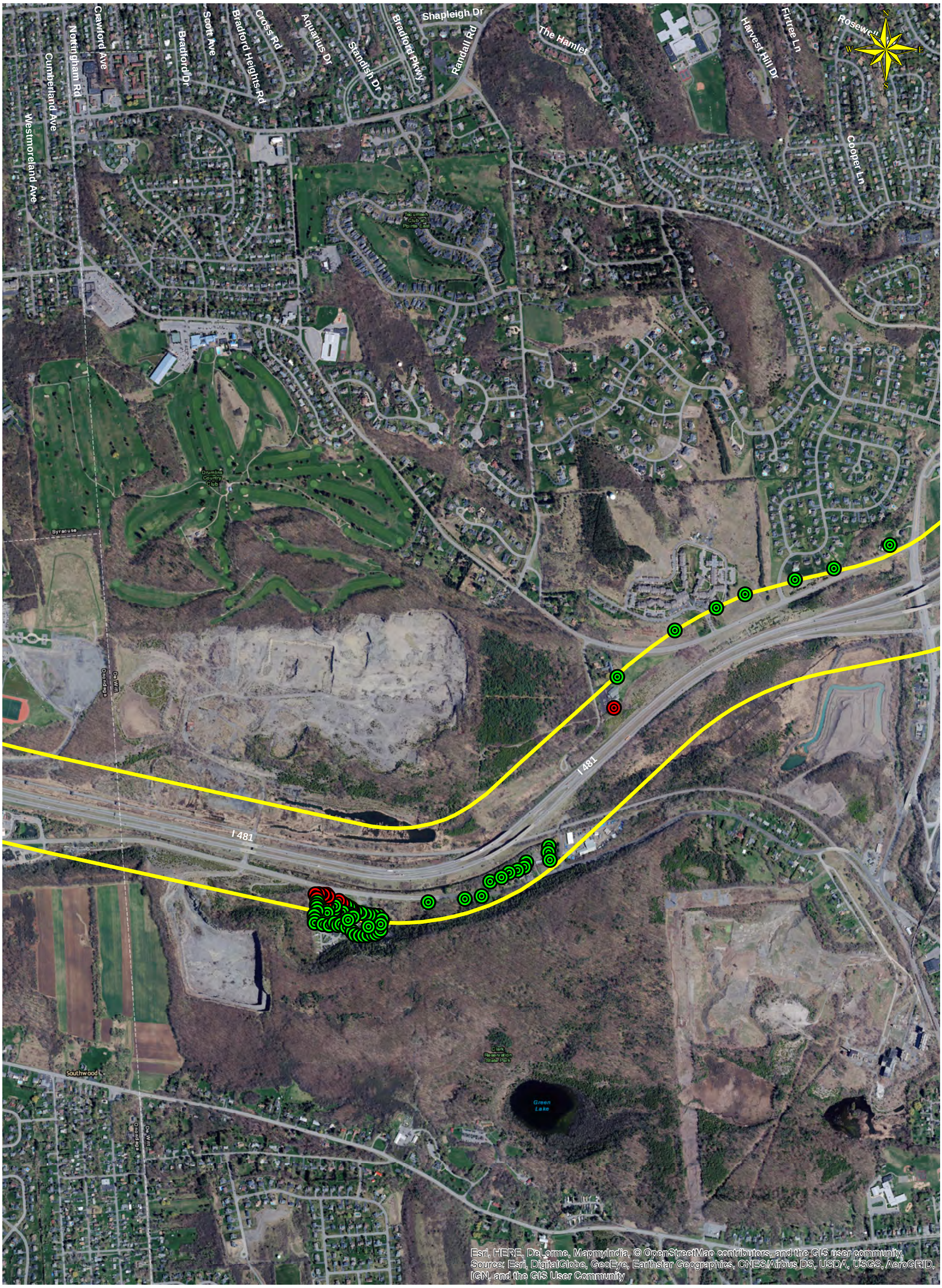
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Analysis Results (Page 8 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

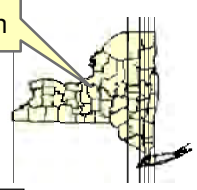
Date: 2/14/2020

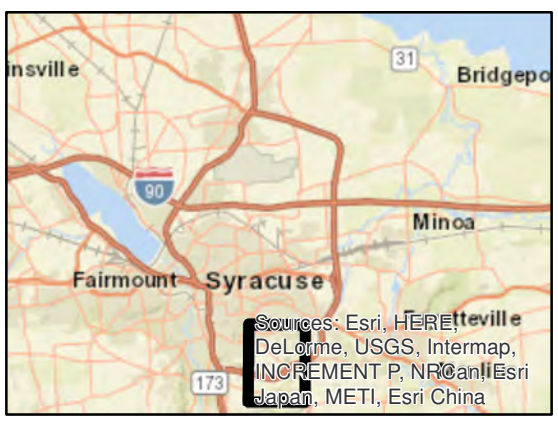


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





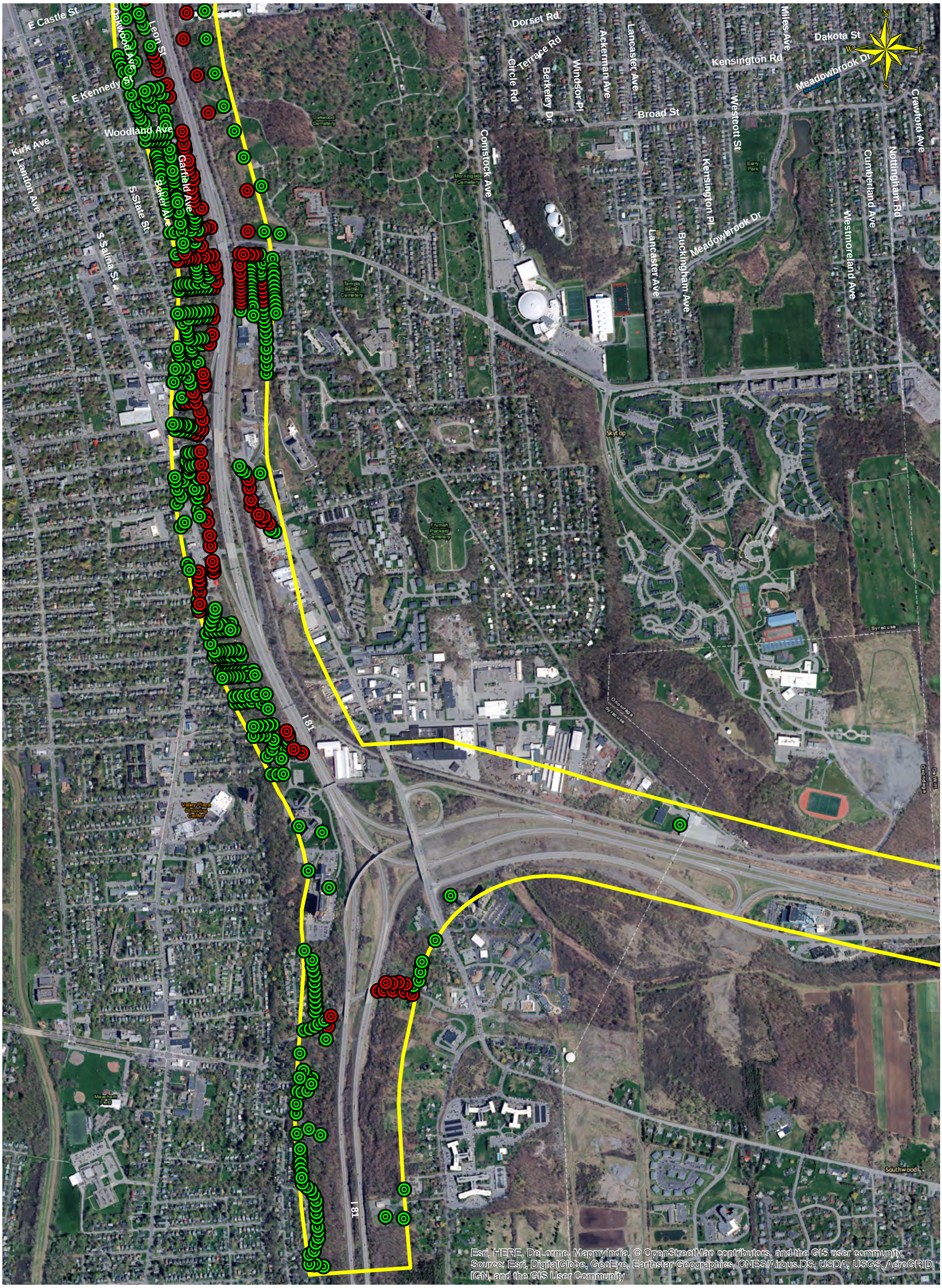
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Analysis Results (Page 9 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

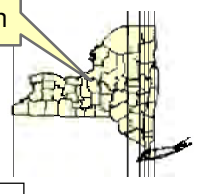
Date: 2/14/2020

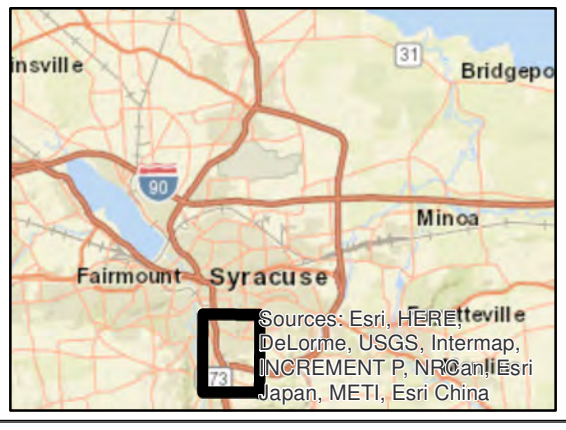


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





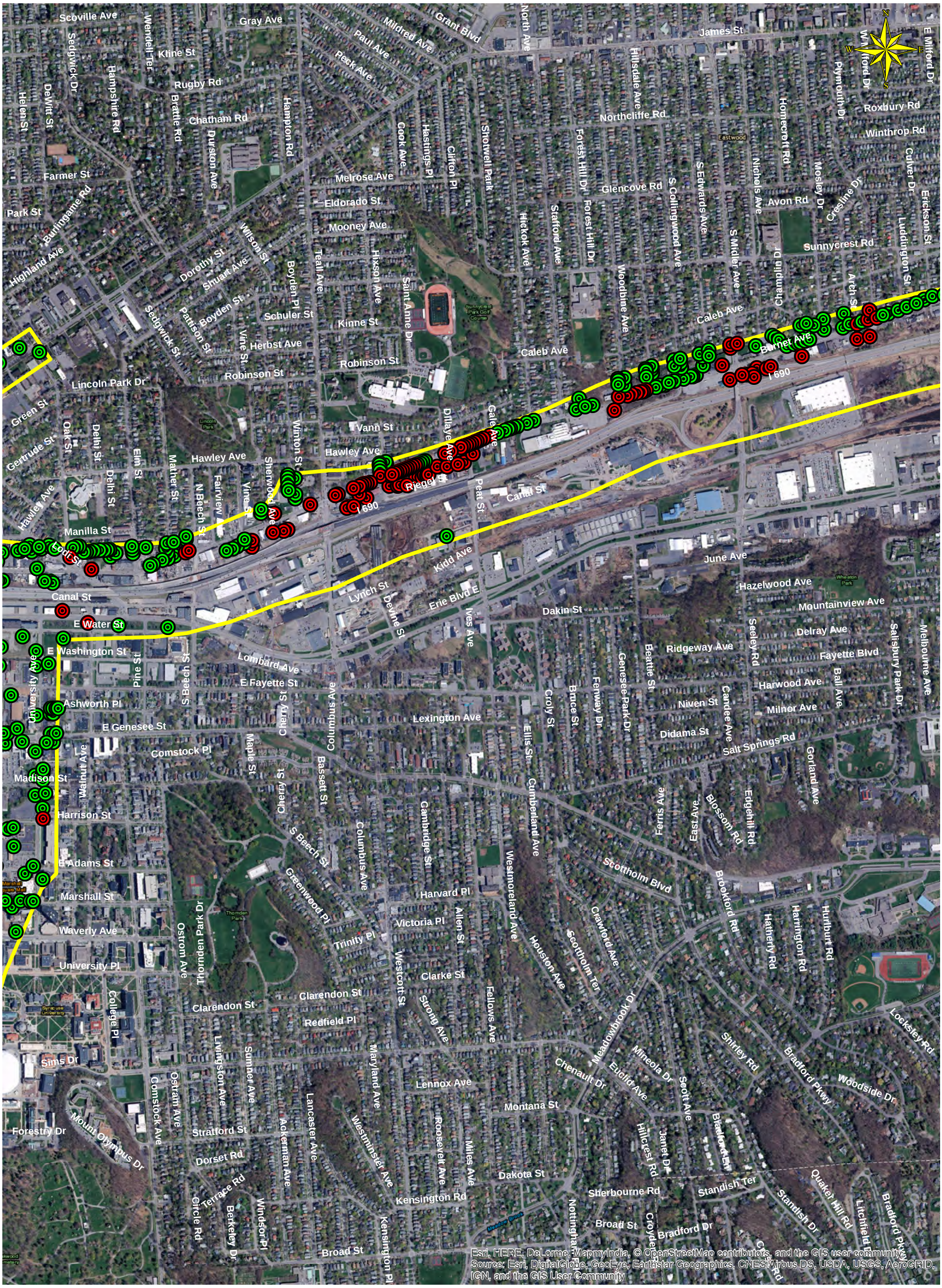
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Analysis Results (Page 10 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

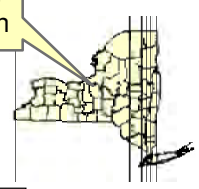
Date: 2/14/2020

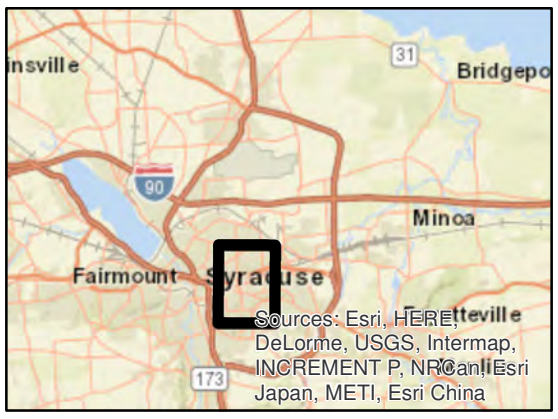


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





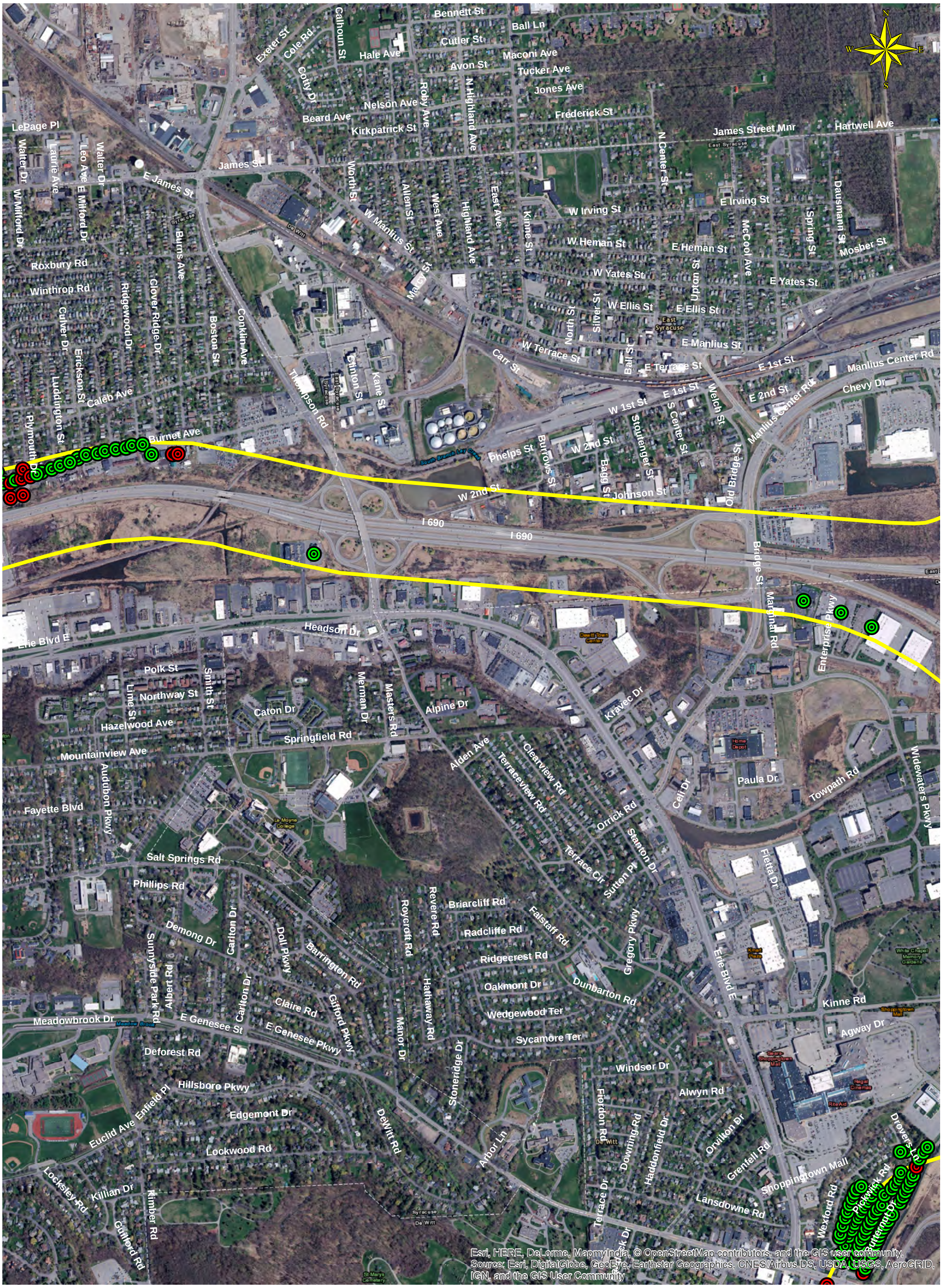
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Analysis Results (Page 11 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

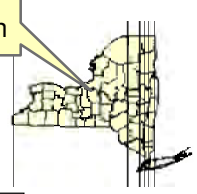
Date: 2/14/2020

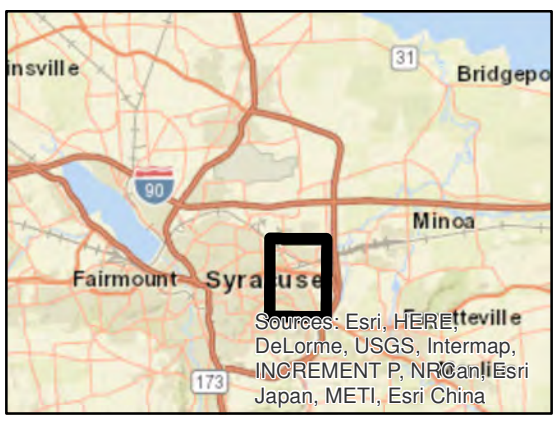


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Analysis Results (Page 12 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/14/2020

ATTACHMENT G

2050 Viaduct Alternative Conditions Noise Abatement Figures

Noise Barrier 14:
Noise Impacts = 28
Benefitted Receptors = 18
Feasible = Yes
Reasonable = Yes

Noise Barrier 22 and 23:
Noise Impacts = 41
Benefitted Receptors = 45
Feasible = Yes
Reasonable = No

Noise Barrier 13C (Partial):
Noise Impacts = 0
Benefitted Receptors = 6
Feasible = No
Reasonable = No

Noise Barrier 13A/B/C:
Noise Impacts = 39
Benefitted Receptors = 13
Feasible = No
Reasonable = No

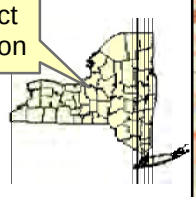
Noise Barrier 11C/D:
Noise Impacts = 86
Benefitted Receptors = 189
Feasible = Yes
Reasonable = Yes

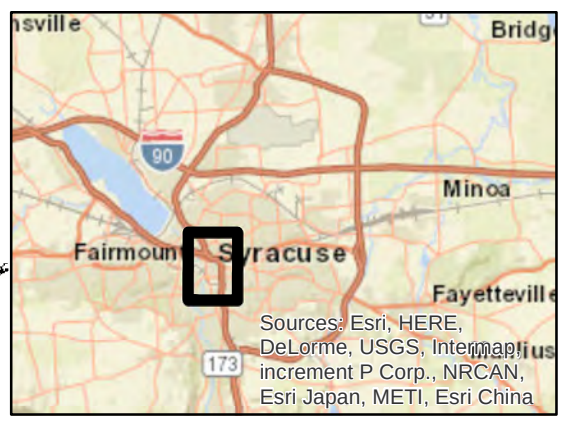
Noise Barrier 12A:
Noise Impacts = 43
Benefitted Receptors = 70
Feasible = Yes
Reasonable = No

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits
- Downtown Exclusion Areas*

Project Location





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* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 550 1,100 2,200 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Barrier Analysis Results (Page 1 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/7/2020

Noise Barriers 16A and B:
Noise Impacts = 33
Benefitted Receptors = 69
Feasible = Yes
Reasonable = Yes

Noise Barriers 15:
Noise Impacts = 25
Benefitted Receptors = 22
Feasible = Yes
Reasonable = Yes

Noise Barrier 14:
Noise Impacts = 28
Benefitted Receptors = 18
Feasible = Yes
Reasonable = Yes

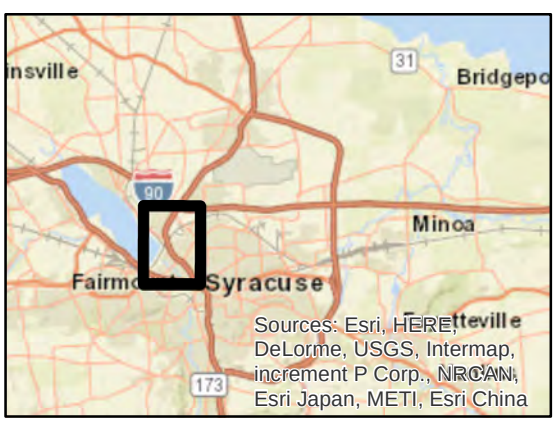
Noise Barrier 20 and 21:
Noise Impacts = 15
Benefitted Receptors = 22
Feasible = Yes
Reasonable = No

Noise Barrier 22 and 23:
Noise Impacts = 41
Benefitted Receptors = 45
Feasible = Yes
Reasonable = No

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Existing Noise Barrier
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits
- Downtown Exclusion Areas*

Project Location



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* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Barrier Analysis Results (Page 2 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 5/13/2021

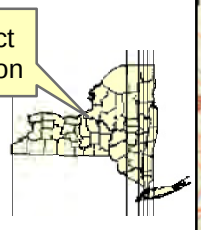
Noise Barrier 17:
Noise Impacts = 6
Benefitted Receptors = 9
Feasible = Yes
Reasonable = No

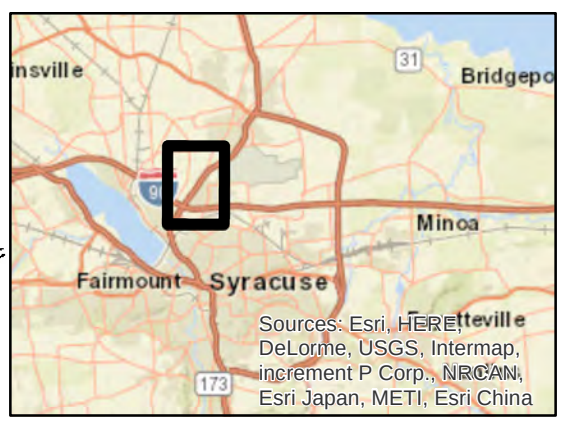
Noise Barriers 16A and B:
Noise Impacts = 33
Benefitted Receptors = 69
Feasible = Yes
Reasonable = Yes

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Existing Noise Barrier
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

Viaduct Alternative 2050
Noise Barrier Analysis Results (Page 3 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 5/13/2021

WATTS ARCHITECTURE & ENGINEERING

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Noise Barrier 3A:
Noise Impacts = 5
Benefitted Receptors = 9
Feasible = Yes
Reasonable = Yes

Noise Barrier 4B:
Noise Impacts = 18
Benefitted Receptors = 26
Feasible = Yes
Reasonable = Yes

Noise Barrier 3B:
Noise Impacts = 15
Benefitted Receptors = 26
Feasible = Yes
Reasonable = Yes

Noise Barrier 4A and Wood 1 and 2:
Noise Impacts = 2
Benefitted Receptors = 46
Feasible = NA (replacement)
Reasonable = NA (replacement)

Noise Barrier 1:
Noise Impacts = 50
Benefitted Receptors = 81
Feasible = Yes
Reasonable = Yes

Noise Barrier Wood 3:
Noise Impacts = 1
Benefitted Receptors = 26
Feasible = NA (replacement)
Reasonable = NA (replacement)

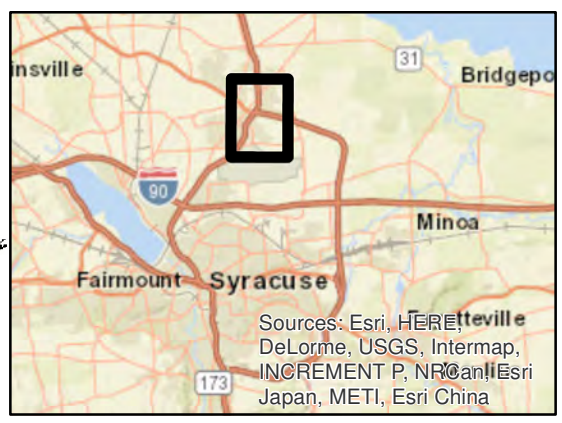
Noise Barrier Wood 4:
Noise Impacts = 9
Benefitted Receptors = 17
Feasible = NA (replacement)
Reasonable = NA (replacement)

Noise Barrier 2:
Noise Impacts = 30
Benefitted Receptors = 44
Feasible = Yes
Reasonable = Yes

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Wooden Barrier System Restoration
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location



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0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Barrier Analysis Results (Page 4 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

Noise Barrier 4A and Wood 1 and 2:
Noise Impacts = 2
Benefitted Receptors = 46
Feasible = NA (replacement)
Reasonable = NA (replacement)

Noise Barrier 5:
Noise Impacts = 4
Benefitted Receptors = 5
Feasible = Yes
Reasonable = No

Noise Barrier Wood 4:
Noise Impacts = 9
Benefitted Receptors = 17
Feasible = NA (replacement)
Reasonable = NA (replacement)

Thompson Rd
Island Rd
Northern Blvd
Totman Rd
Eastman Rd
Smith Rd
Running Ridge Rd
I 481
Wheatley Rd
Taft Park Dr
Hancock Dr
Montauk Cir
Barrington Cir
Bedford Cir
Highland Dr
Charleston Rd
Terminal Rd
E Taft Rd
Fly Rd
Schuyler Rd

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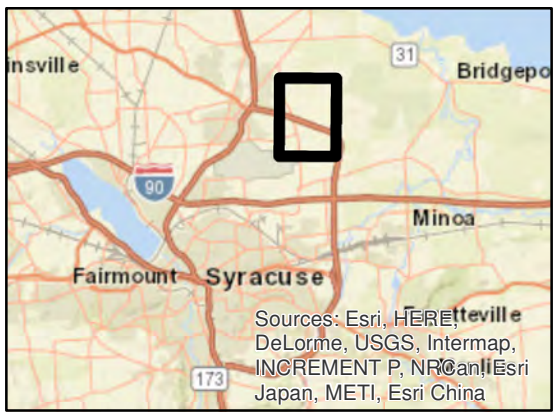
Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Wooden Barrier System Restoration
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location



0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Barrier Analysis Results (Page 5 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

Noise Barrier 6:
Noise Impacts = 2
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

E Taft Rd
All Nations Blvd
Bastable Rd
Cicero
Manlius
Maxwell Park
North Branch Ley Creek
I 481
Badgley Rd
Fly Rd
Airways Park Dr
Canada Dr
Collamer Rd
Collamer
Britonfield Pkwy
Collamer Crossing Pkwy
Sand Hill Rd
Law Dr
Hazelnut Cir
Russell Ln
Kame Way
Schuyler Rd
Emilie Ln
Temple Dr
Loucks Rd
Fremont Rd
I 90
Myers Rd
Polkville
New Venture Gear Dr
Fair Lakes Rd
Chrysler Ln
Pheasant Rd
Technology Pl

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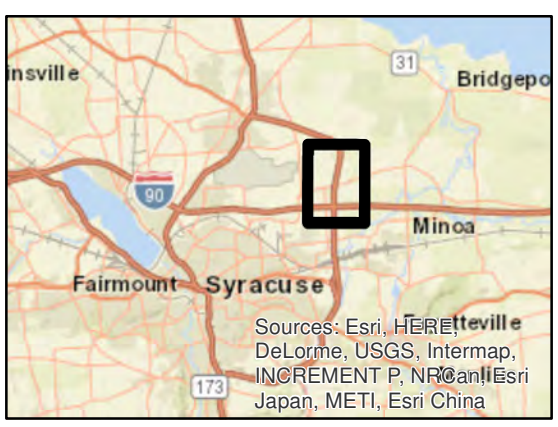
Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location



0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Barrier Analysis Results (Page 6 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

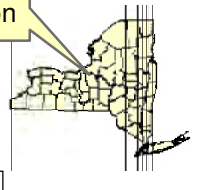
Noise Barrier 7B:
Noise Impacts = 17
Benefitted Receptors = 18
Feasible = Yes
Reasonable = Yes

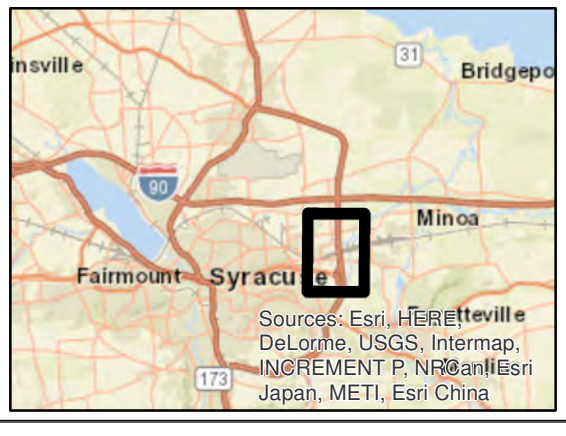
Noise Barrier 8B:
Noise Impacts = 12
Benefitted Receptors = 35
Feasible = Yes
Reasonable = Yes

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

Viaduct Alternative 2050
Noise Barrier Analysis Results (Page 7 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

WATTS ARCHITECTURE & ENGINEERING

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Noise Barrier 7B:
Noise Impacts = 17
Benefitted Receptors = 18
Feasible = Yes
Reasonable = Yes

Noise Barrier 8B:
Noise Impacts = 12
Benefitted Receptors = 35
Feasible = Yes
Reasonable = Yes

Noise Barrier 7A:
Noise Impacts = 1
Benefitted Receptors = 0
Feasible = No
Reasonable = No

Noise Barrier 8A:
Noise Impacts = 4
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

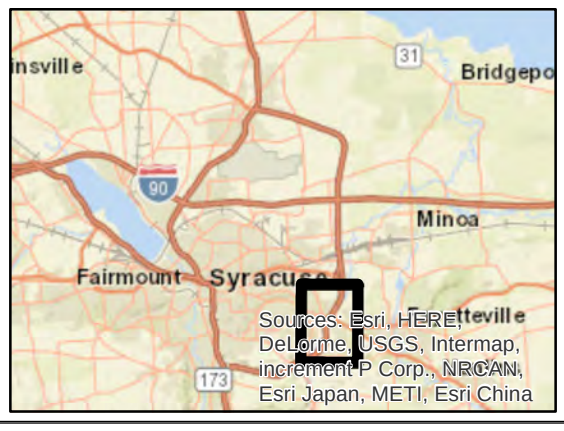
Noise Barrier 19A and 19B:
Noise Impacts = 2
Benefitted Receptors = 0
Feasible = No
Reasonable = No

Noise Barrier 18:
Noise Impacts = 2
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location



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0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Barrier Analysis Results (Page 8 of 12)

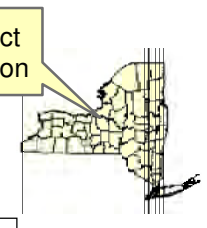
I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

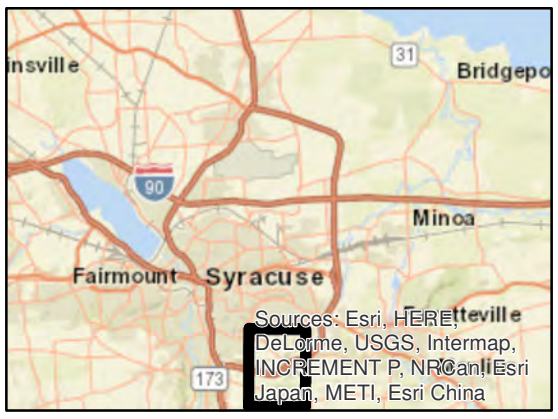
Date: 2/25/2020

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Barrier Analysis Results (Page 9 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

Noise Barrier 12A:
Noise Impacts = 43
Benefitted Receptors = 70
Feasible = Yes
Reasonable = No

Noise Barrier 11C/D:
Noise Impacts = 86
Benefitted Receptors = 189
Feasible = Yes
Reasonable = Yes

Noise Barrier 12B:
Noise Impacts = 24
Benefitted Receptors = 43
Feasible = Yes
Reasonable = Yes

Noise Barrier 12C:
Noise Impacts = 8
Benefitted Receptors = 7
Feasible = Yes
Reasonable = No

Noise Barrier 11B:
Noise Impacts = 17
Benefitted Receptors = 8
Feasible = No
Reasonable = No

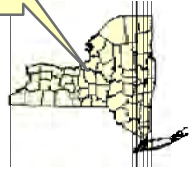
Noise Barrier 11A:
Noise Impacts = 19
Benefitted Receptors = 10
Feasible = No
Reasonable = No

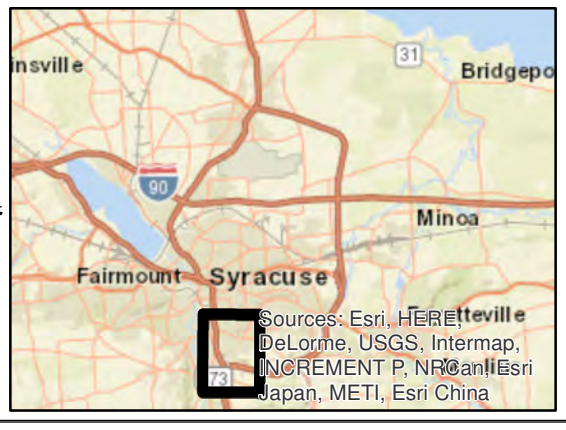
Noise Barrier 10:
Noise Impacts = 9
Benefitted Receptors = 1
Feasible = No
Reasonable = No

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

Viaduct Alternative 2050
Noise Barrier Analysis Results (Page 10 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

WATTS ARCHITECTURE & ENGINEERING

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Noise Barrier 13C (Partial):
Noise Impacts = 0
Benefitted Receptors = 6
Feasible = No
Reasonable = No

Noise Barrier 13A/B/C:
Noise Impacts = 39
Benefitted Receptors = 13
Feasible = No
Reasonable = No

Noise Barrier 13H:
Noise Impacts = 8
Benefitted Receptors = 8
Feasible = Yes
Reasonable = Yes

Noise Barrier 13G:
Noise Impacts = 8
Benefitted Receptors = 10
Feasible = Yes
Reasonable = No

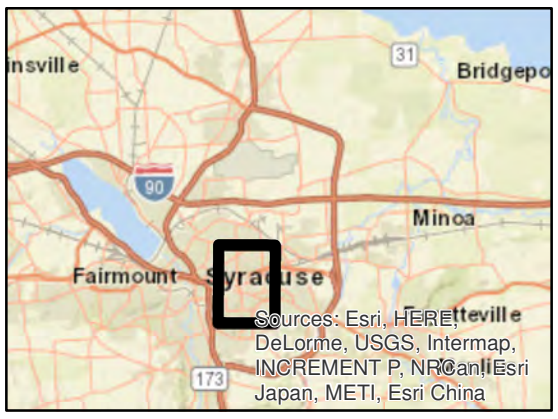
Noise Barrier 13D/E/F:
Noise Impacts = 32
Benefitted Receptors = 59
Feasible = Yes
Reasonable = Yes

Noise Barrier 13I:
Noise Impacts = 9
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location



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0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Barrier Analysis Results (Page 11 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

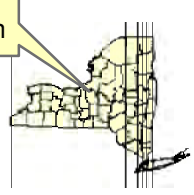
Date: 2/20/2020

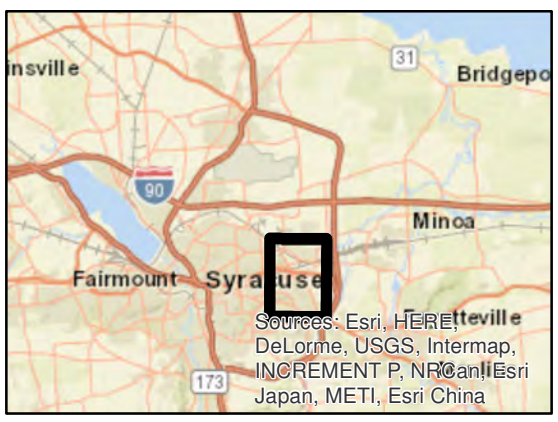
Noise Barrier 13I:
Noise Impacts = 9
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location





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0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Noise Barrier Analysis Results (Page 12 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

ATTACHMENT H

2050 Viaduct Alternative Conditions
Modeled Noise Reduction Figures

Noise Barrier 14:
Noise Impacts = 28
Benefitted Receptors = 18
Feasible = Yes
Reasonable = Yes

Noise Barrier 22 and 23:
Noise Impacts = 41
Benefitted Receptors = 45
Feasible = Yes
Reasonable = No

Noise Barrier 13C (Partial):
Noise Impacts = 0
Benefitted Receptors = 6
Feasible = No
Reasonable = No

Noise Barrier 13A/B/C:
Noise Impacts = 39
Benefitted Receptors = 13
Feasible = No
Reasonable = No

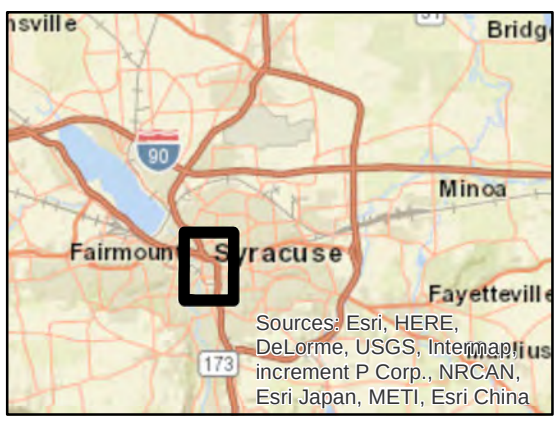
Noise Barrier 11C/D:
Noise Impacts = 86
Benefitted Receptors = 189
Feasible = Yes
Reasonable = Yes

Noise Barrier 12A:
Noise Impacts = 43
Benefitted Receptors = 70
Feasible = Yes
Reasonable = No

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits
- Downtown Exclusion Areas*

Project Location



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* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 550 1,100 2,200 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Modeled Noise Reduction (Page 1 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/7/2020

Noise Barriers 16A and B:
Noise Impacts = 33
Benefitted Receptors = 69
Feasible = Yes
Reasonable = Yes

Noise Barriers 15:
Noise Impacts = 25
Benefitted Receptors = 22
Feasible = Yes
Reasonable = Yes

Noise Barrier 14:
Noise Impacts = 28
Benefitted Receptors = 18
Feasible = Yes
Reasonable = Yes

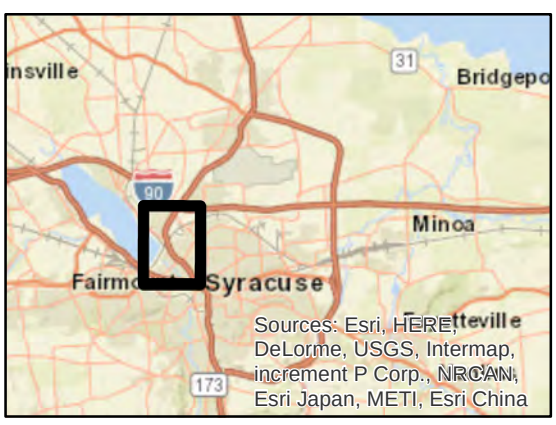
Noise Barrier 20 and 21:
Noise Impacts = 15
Benefitted Receptors = 22
Feasible = Yes
Reasonable = No

Noise Barrier 22 and 23:
Noise Impacts = 41
Benefitted Receptors = 45
Feasible = Yes
Reasonable = No

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Existing Noise Barrier
- Downtown Exclusion Areas*
- Project Noise Study Area Limits

Project Location



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* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Modeled Noise Reduction (Page 2 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 5/13/2021

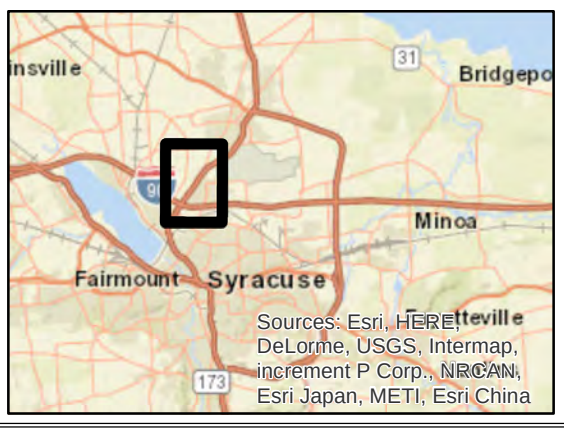
Noise Barrier 17:
Noise Impacts = 6
Benefitted Receptors = 9
Feasible = Yes
Reasonable = No

Noise Barriers 16A and B:
Noise Impacts = 33
Benefitted Receptors = 69
Feasible = Yes
Reasonable = Yes

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location



0 650 1,300 2,600 Feet

Viaduct Alternative 2050
Modeled Noise Reduction (Page 3 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 5/13/2021

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Noise Barrier 3A:
Noise Impacts = 5
Benefitted Receptors = 9
Feasible = Yes
Reasonable = Yes

Noise Barrier 4B:
Noise Impacts = 18
Benefitted Receptors = 26
Feasible = Yes
Reasonable = Yes

Noise Barrier 3B:
Noise Impacts = 15
Benefitted Receptors = 26
Feasible = Yes
Reasonable = Yes

Noise Barrier 4A and Wood 1 and 2:
Noise Impacts = 2
Benefitted Receptors = 46
Feasible = NA (replacement)
Reasonable = NA (replacement)

Noise Barrier 1:
Noise Impacts = 50
Benefitted Receptors = 81
Feasible = Yes
Reasonable = Yes

Noise Barrier Wood 3:
Noise Impacts = 1
Benefitted Receptors = 26
Feasible = NA (replacement)
Reasonable = NA (replacement)

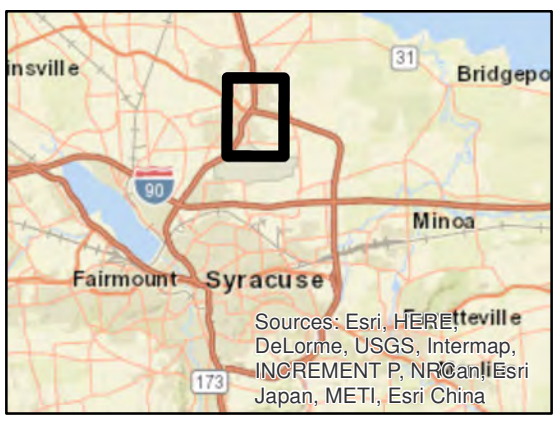
Noise Barrier Wood 4:
Noise Impacts = 9
Benefitted Receptors = 17
Feasible = NA (replacement)
Reasonable = NA (replacement)

Noise Barrier 2:
Noise Impacts = 30
Benefitted Receptors = 44
Feasible = Yes
Reasonable = Yes

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommend
- Wooden Barrier System Restoration
- Project Noise Study Area Limits

Project Location



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0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Modeled Noise Reduction (Page 4 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

Noise Barrier 4A and Wood 1 and 2:
Noise Impacts = 2
Benefitted Receptors = 46
Feasible = NA (replacement)
Reasonable = NA (replacement)

Noise Barrier 5:
Noise Impacts = 4
Benefitted Receptors = 5
Feasible = Yes
Reasonable = No

Noise Barrier Wood 4:
Noise Impacts = 9
Benefitted Receptors = 17
Feasible = NA (replacement)
Reasonable = NA (replacement)

Thompson Rd
Island Rd
Northern Blvd
Totman Rd
Eastman Rd
Smith Rd
Running Ridge Rd
I 481
Wheatley Rd
Taft Park Dr
Hancock Dr
Montauk Cir
Barrington Cir
Bedford Cir
Highland Dr
Charleston Rd
Terminal Rd
E Taft Rd
Fly Rd
Schuyler Rd
Cicero
De Witt

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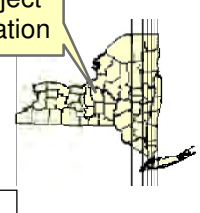
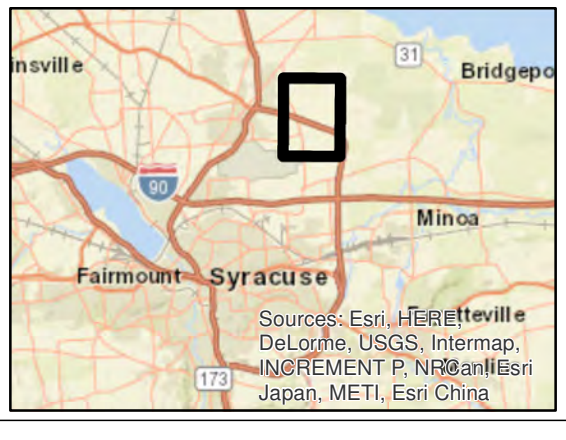
Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Wooden Barrier System Restoration
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

Viaduct Alternative 2050
Modeled Noise Reduction (Page 5 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

WATTS ARCHITECTURE & ENGINEERING

Noise Barrier 6:
Noise Impacts = 2
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

E Taft Rd
All Nations Blvd
Bastable Rd
Cicero
Manlius
Maxwell Park
North Branch Ley Creek
I 481
Badgley Rd
Fly Rd
Airways Park Dr
Canada Dr
Collamer Rd
Collamer
Britonfield Pkwy
Collamer Crossing Pkwy
Sand Hill Rd
Law Dr
Hazelnut Cir
Russell Ln
Kame Way
Schuyler Rd
Emilie Ln
Temple Dr
Loucks Rd
Fremont Rd
I 90
Myers Rd
Polkville
Manlius
DeWitt
New Venture Gear Dr
Fair Lakes Rd
Chrysler
Pheasant Rd
Technology Pl

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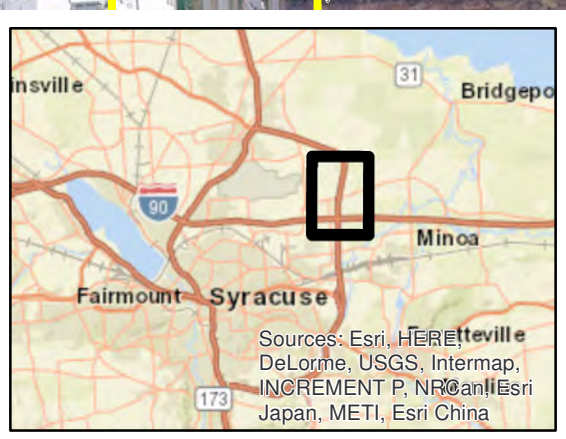
Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location



0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Modeled Noise Reduction (Page 6 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

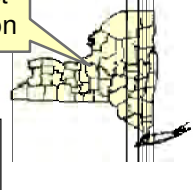
Noise Barrier 7B:
Noise Impacts = 17
Benefitted Receptors = 18
Feasible = Yes
Reasonable = Yes

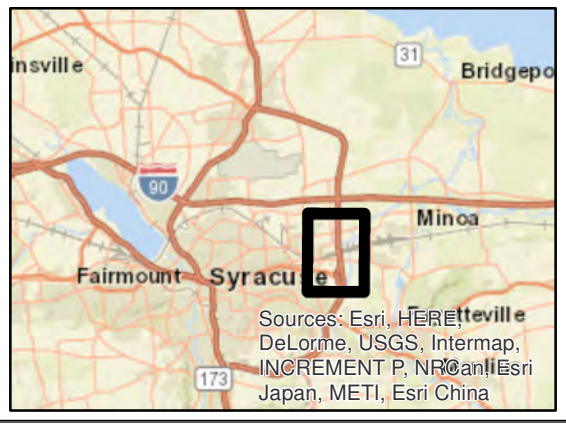
Noise Barrier 8B:
Noise Impacts = 12
Benefitted Receptors = 35
Feasible = Yes
Reasonable = Yes

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location





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0 650 1,300 2,600 Feet

Viaduct Alternative 2050
Modeled Noise Reduction (Page 7 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

WATTS ARCHITECTURE & ENGINEERING

Noise Barrier 7B:
Noise Impacts = 17
Benefitted Receptors = 18
Feasible = Yes
Reasonable = Yes

Noise Barrier 8B:
Noise Impacts = 12
Benefitted Receptors = 35
Feasible = Yes
Reasonable = Yes

Noise Barrier 7A:
Noise Impacts = 1
Benefitted Receptors = 0
Feasible = No
Reasonable = No

Noise Barrier 8A:
Noise Impacts = 4
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

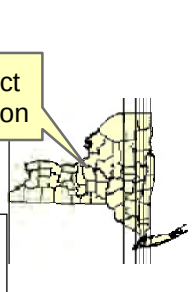
Noise Barrier 19A and 19B:
Noise Impacts = 2
Benefitted Receptors = 0
Feasible = No
Reasonable = No

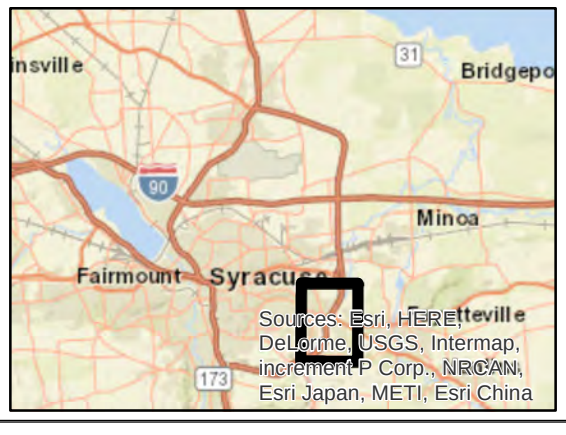
Noise Barrier 18:
Noise Impacts = 2
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

Viaduct Alternative 2050
Modeled Noise Reduction (Page 8 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/25/2020

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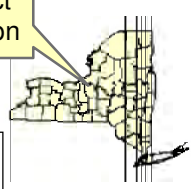
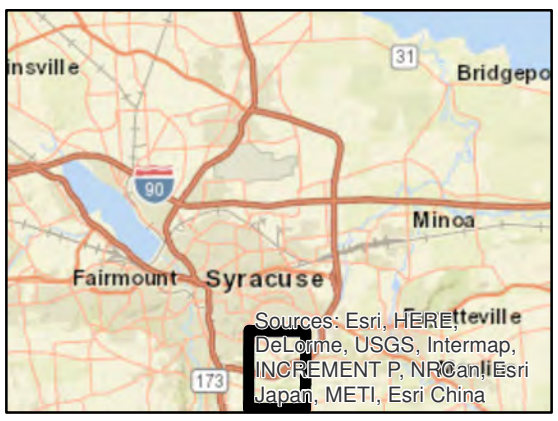
Noise Barrier 9:
Noise Impacts = 11
Benefitted Receptors = 36
Feasible = Yes
Reasonable = Yes

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

Viaduct Alternative 2050
Modeled Noise Reduction (Page 9 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

WATTS ARCHITECTURE & ENGINEERING

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Noise Barrier 12A:
Noise Impacts = 43
Benefitted Receptors = 70
Feasible = Yes
Reasonable = No

Noise Barrier 12B:
Noise Impacts = 24
Benefitted Receptors = 43
Feasible = Yes
Reasonable = Yes

Noise Barrier 11C/D:
Noise Impacts = 86
Benefitted Receptors = 189
Feasible = Yes
Reasonable = Yes

Noise Barrier 12C:
Noise Impacts = 8
Benefitted Receptors = 7
Feasible = Yes
Reasonable = No

Noise Barrier 11B:
Noise Impacts = 17
Benefitted Receptors = 8
Feasible = No
Reasonable = No

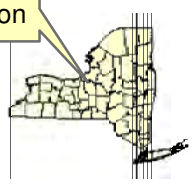
Noise Barrier 11A:
Noise Impacts = 19
Benefitted Receptors = 10
Feasible = No
Reasonable = No

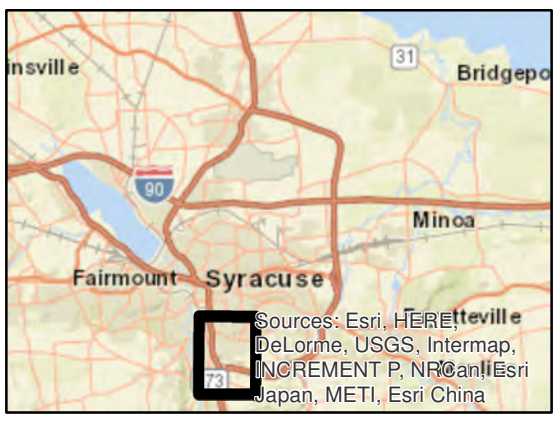
Noise Barrier 10:
Noise Impacts = 9
Benefitted Receptors = 1
Feasible = No
Reasonable = No

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

Viaduct Alternative 2050
Modeled Noise Reduction (Page 10 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

WATTS ARCHITECTURE & ENGINEERING

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Noise Barrier 13C (Partial):
Noise Impacts = 0
Benefitted Receptors = 6
Feasible = No
Reasonable = No

Noise Barrier 13A/B/C:
Noise Impacts = 39
Benefitted Receptors = 13
Feasible = No
Reasonable = No

Noise Barrier 13H:
Noise Impacts = 8
Benefitted Receptors = 8
Feasible = Yes
Reasonable = Yes

Noise Barrier 13G:
Noise Impacts = 8
Benefitted Receptors = 10
Feasible = Yes
Reasonable = No

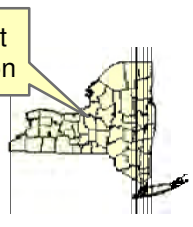
Noise Barrier 13D/E/F:
Noise Impacts = 32
Benefitted Receptors = 59
Feasible = Yes
Reasonable = Yes

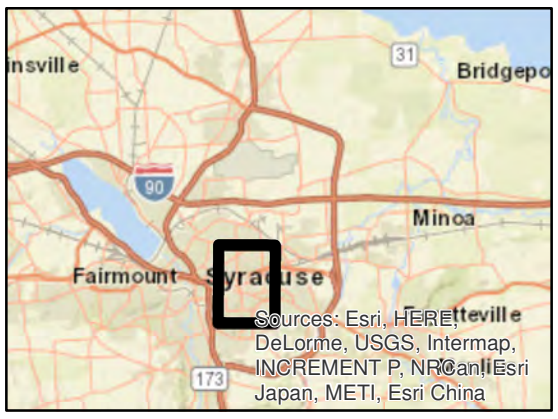
Noise Barrier 13I:
Noise Impacts = 9
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location





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0 650 1,300 2,600 Feet

Viaduct Alternative 2050
Modeled Noise Reduction (Page 11 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

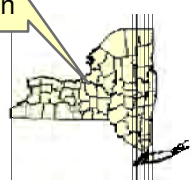
WATTS ARCHITECTURE & ENGINEERING

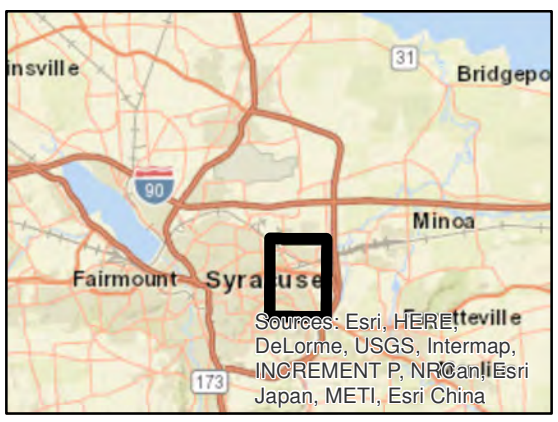
Noise Barrier 13I:
Noise Impacts = 9
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Viaduct Alternative 2050
Modeled Noise Reduction (Page 12 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

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ATTACHMENT I

2050 Viaduct Alternative Conditions Noise Abatement Barrier Location Coordinates and Dimensions Tables

Tables: Viaduct Alternative Noise Abatement Barrier Location Coordinates and Dimensions

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Noise Barrier 1						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point3816	1099	944699.10	1144913.60	400	--	12
point3817	1101	944727.70	1144815.40	397	102.28	
point3977	1102	944737.00	1144773.30	396	43.11	
point3978	1103	944781.00	1144568.80	390	209.18	
point3979	1104	944798.10	1144498.90	387.4	71.96	
point3980	1105	944731.20	1144400.00	388.3	119.40	
point3981	1106	944734.10	1144373.80	387.9	26.36	
point3982	1107	944749.30	1144234.30	388.2	140.33	
point3982	1107	944749.30	1144234.30	388.2	0.00	14
point3983	1108	944760.00	1144134.60	388.7	100.27	
point3984	1109	944774.10	1144002.60	388.5	132.75	
point3985	1110	944784.90	1143900.90	390.4	102.27	
point3986	1111	944766.70	1143874.90	390.8	31.74	
point3986	1111	944766.70	1143874.90	390.8	0.00	
point3987	1112	944713.60	1143800.10	392.5	91.73	12
point3988	1113	944617.00	1143663.30	395.7	167.47	
point3989	1114	944498.00	1143492.90	406.6	207.84	
point3990	1115	944488.00	1143478.60	408.6	17.45	
point3996	1116	944489.90	1143459.80	408.5	18.90	
point3992	1117	944382.80	1143320.80	408.4	175.47	
point3993	1118	944387.70	1143282.00	407.4	39.11	
point3994	1119	944357.80	1143243.50	406.8	48.75	
point3995	1120	944274.40	1143132.80	407.1	138.60	
point839	1121	944274.40	1143112.30	413	20.50	
point840	1122	944253.90	1143083.30	414	35.51	
point842	1123	944218.30	1143029.30	415	64.68	
point843	1124	944174.90	1142949.30	416	91.01	
point844	1125	944122.70	1142834.30	416	126.29	
point845	1126	944065.20	1142688.90	416	156.36	
point846	1127	944010.90	1142561.80	415	138.21	
point847	1128	943974.30	1142442.40	414	124.88	
point848	1129	943938.70	1142282.80	412	163.52	
point850	1130	943916.90	1142134.60	410	149.79	
point851	1131	943909.20	1142034.30	407	100.60	
point852	1132	943908.70	1141823.30	405	211.00	
point854	1133	943928.70	1141426.80	407	397.00	
point855	1134	943932.80	1141240.50	407	186.35	
point856	1135	943923.20	1141033.50	407	207.22	
Total SF		50629				

Noise Barrier 2						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point864	1161	943944.90	1140391.10	408	--	
point865	1162	944004.60	1140622.50	408	238.98	

point866	1163	944025.00	1140727.80	409	107.26	
point868	1164	944054.90	1140947.40	409	221.63	
point869	1165	944067.10	1141143.00	409	195.98	
point870	1166	944068.40	1141220.30	408	77.31	
point872	1167	944055.20	1141551.30	405	331.26	12
point1557	1168	944042.30	1141785.30	405	234.36	
point873	1169	944045.80	1141937.80	406.5	152.54	
point1259	1259	944045.80	1141937.80	406.5	0.00	
point1259	1253	944066.90	1141938.50	399	21.11	
point1256	1254	944077.20	1141938.30	405	10.30	
point1257	1255	944133.30	1141941.40	406.31	56.19	
point1260	1256	944192.40	1141943.10	406.1	59.12	
Total SF		20472				

Noise Barrier 3A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point910	1186	946287.60	1150033.40	400.00	--	
point10132	1250	946309.50	1149715.50	399.00	318.65	14
point10133	1249	946330.40	1149396.80	396.00	319.38	
point911	1187	946367.20	1148843.00	390.00	555.02	
Total SF		16703				

Noise Barrier 3B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point913	1191	946434.80	1147814.30	390.00	--	
point914	1192	946455.30	1147498.90	395.00	316.07	
point915	1193	946469.40	1147284.60	397.00	214.76	
point4016	1194	946481.20	1147101.00	398.00	183.98	
point4017	1195	946487.30	1146886.40	397.00	214.69	
point4018	1196	946475.20	1146706.90	397.00	179.91	
point3955	1197	946456.80	1146551.30	395.50	156.68	
point3956	1198	946426.00	1146392.10	395.00	162.15	
point3957	1199	946396.50	1146270.50	393.00	125.13	14
point3958	1200	946369.60	1146191.90	392.00	83.08	
point3959	1201	946336.00	1146126.30	391.00	73.70	
point3960	1202	946302.60	1146069.90	390.00	65.55	
point3961	1203	946225.00	1145975.50	390.00	122.20	
point3962	1204	946125.10	1145887.10	390.00	133.40	
point3963	1205	946056.80	1145841.60	390.00	82.07	
point3964	1206	945991.80	1145807.80	389.00	73.26	
point3965	1207	945748.30	1145702.10	385.00	265.45	
Total SF		34329				

Noise Barrier 4A

Corresponding Roadway Segment		X	Y	Z	Length	Height
point13	1220	948175.50	1144762.90	408.00	--	
point3923	1222	948039.40	1144782.00	400.00	137.43	
point3924	1223	947865.20	1144837.80	399.00	182.92	
point3925	1224	947576.10	1144937.10	396.00	305.68	
point3926	1225	947442.60	1144993.10	395.00	144.77	
point3927	1226	947306.30	1145076.10	394.00	159.58	12
point3928	1227	947177.70	1145188.30	392.00	170.67	
point3929	1228	947064.80	1145327.50	392.00	179.23	
point3930	1229	946980.60	1145479.30	392.00	173.59	
point3931	1230	946870.60	1145732.30	394.00	275.88	
point3932	1231	946774.00	1145996.40	395.00	281.21	
point3932	1231	946774.00	1145996.40	395.00	0.00	
point3933	1232	946740.40	1146114.30	396.00	122.59	
point3939	1233	946705.10	1146266.00	397.00	155.75	14
point3935	1234	946671.20	1146466.80	398.00	203.64	
point3936	1235	946646.80	1146753.80	399.00	288.04	
Total SF		34912				
Noise Barrier Wood 1&2						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point284	284	952807.10	1143681.80	415.00	--	
point283	283	952669.40	1143702.90	416.00	139.31	
point282	282	952535.20	1143734.50	420.00	137.87	
point281	281	952251.80	1143801.60	424.00	291.24	
point280	280	951781.80	1143905.80	427.00	481.41	
point279	279	951736.90	1143892.80	423.00	46.74	
point278	278	951589.40	1143925.30	425.00	151.04	
point8	8	951558.90	1143956.10	428.00	43.35	
point71	71	951082.40	1144066.90	425.00	489.21	
point227	227	950942.80	1144099.60	423.00	143.38	
point228	228	950803.20	1144132.50	423.00	143.42	
point229	229	950663.60	1144165.30	421.00	143.40	
point230	230	950523.90	1144198.00	419.00	143.48	12
point231	231	950384.30	1144230.90	417.00	143.42	
point232	232	950244.60	1144263.60	415.00	143.48	
point233	233	950105.00	1144296.40	415.00	143.40	
point234	234	949965.40	1144329.10	417.00	143.38	
point235	235	949825.80	1144362.00	417.00	143.42	
point236	236	949686.10	1144394.80	415.00	143.50	
point237	237	949546.40	1144427.50	418.00	143.48	
point238	238	949406.80	1144460.40	418.00	143.42	
point9	9	949267.20	1144493.10	420.00	143.38	
point10	10	949223.50	1144482.60	413.00	44.94	
point290	290	949074.30	1144519.00	413.00	153.58	
point12	12	949043.20	1144544.30	419.00	40.09	
point12	12	949043.20	1144544.30	419.00	0.00	10
point72	72	948791.10	1144608.90	417.00	260.25	

point72	72	948791.10	1144608.90	417.00	0.00	8
point13	13	948175.50	1144762.90	408.00	634.57	
Total SF		54279				

Noise Barrier Wood 3						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point14	14	948835.40	1144408.60	410	--	14
point73	73	948748.10	1144428.60	409	89.56	
point74	74	948381.90	1144509.30	405	374.99	
point15	15	947784.50	1144640.90	401	611.72	
point16	16	947331.90	1144711.80	402	458.12	
point17	17	947146.90	1144715.60	403	185.04	
point18	18	946930.40	1144664.50	404	222.45	
point291	291	946796.50	1144606.60	405	145.88	
point292	292	946292.60	1144375.30	401	554.45	
point293	293	946063.10	1144271.30	397	251.96	
point1253	1253	945970.00	1144227.50	395	102.89	
Total SF		41959				

Noise Barrier Wood 4						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point85	85	950339.20	1144071.50	410	--	14
point86	86	951037.00	1143908.30	418	716.63	
point87	87	951567.80	1143783.80	423	545.21	
point88	88	951601.80	1143781.00	423	34.12	
point286	286	951747.80	1143747.50	423	149.79	
point287	287	951762.80	1143735.80	423	19.02	
point288	288	952198.40	1143632.40	417	447.70	
Total SF		26775				

Noise Barrier 4B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point1551	1253	946552.70	1148195.60	387.00	--	14
point1268	1268	946572.00	1148207.10	387.00	22.47	
point1269	1269	946553.20	1148426.10	387.00	219.81	
point1270	1270	946530.70	1148705.90	387.00	280.70	
point1271	1271	946563.40	1148749.30	388.00	54.34	
point1272	1272	946553.40	1148893.40	390.00	144.45	
point1273	1273	946492.00	1148954.90	390.00	86.90	
point1274	1274	946462.30	1149409.60	396.00	455.67	
point1275	1275	946440.00	1149729.80	399.00	320.98	
point1276	1276	946419.10	1150039.80	400.00	310.70	
point1277	1279	946462.90	1150275.40	400.00	239.64	
point1267	1267	946449.60	1150557.30	397.00	282.21	

point1266	1266	946436.30	1150839.10	395.00	282.11	
Total SF		37800				

Noise Barrier 5						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 1140		958187.10	1141546.00	410.25	--	12
pt 1139		958679.40	1141368.10	410.5	523.46	
pt 3359		959663.90	1141012.50	411	1046.75	
pt 3360		960569.80	1140685.10	414	963.25	
pt 1141		960825.00	1140592.10	413	271.62	
Total SF		33661				

Noise Barrier 6						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 1038	1127	962797.60	1136654.80	420	--	20
pt 1534	1128	962838.90	1136869.80	425	218.93	
pt 1040	1129	962866.50	1137012.50	428	145.34	
pt 1041	1130	962878.60	1137076.30	430	64.94	
pt 1535	1131	962918.60	1137286.30	435	213.78	
pt 1042	1132	962965.80	1137574.30	440	291.84	
pt 1043	1133	962981.70	1137736.10	440	162.58	
pt 1045	1134	962986.60	1137797.10	441	61.20	
pt 1046	1135	962987.40	1138004.10	441	207.00	
pt 1048	1136	962982.30	1138107.30	440	103.33	
pt 1049	1137	962978.00	1138164.00	440	56.86	
pt 1050	1138	962912.50	1138576.00	434	417.17	
pt 1051	1139	962881.10	1138698.80	430	126.75	
Total SF		41394				

Noise Barrier 7A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point1040	1070	962221.90	1109318.90	434.25	--	20
point1037	1071	962193.80	1109232.90	433.50	90.47	
point497	1065	962153.50	1109045.50	432.00	191.68	
point498	1066	962051.50	1108812.30	430.00	254.53	
point500	1067	961921.00	1108567.80	428.00	277.15	
point1526	1073	961759.70	1108303.00	425.00	310.06	
point1042	1068	961643.10	1108112.60	425.00	223.27	
Total SF		26943				

Noise Barrier 7B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point2463	1055	962215.60	1111234.60	422.00	--	

point2464	1056	962282.70	1110999.10	422.00	244.87	
point2465	1057	962316.40	1110842.80	422.00	159.89	
point488	1058	962341.20	1110697.10	422.00	147.80	
point489	1059	962360.20	1110539.80	424.00	158.44	
point490	1060	962373.20	1110336.60	427.00	203.62	16
point491	1061	962373.10	1110107.30	430.00	229.30	
point493	1062	962367.80	1110005.00	432.00	102.44	
point494	1063	962344.00	1109776.80	435.00	229.44	
point495	1075	962265.80	1109389.10	435.00	395.51	
point1039	1076	962251.80	1109346.30	434.60	45.03	
Total SF		30661				

Noise Barrier 8A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point2078	1070	961135.20	1105950.00	431.00	--	
point2078-2	1071	961109.90	1106360.60	428.50	411.38	
point2079	1072	961084.10	1106771.10	426.00	411.31	
point2080	1073	961096.90	1106876.90	427.00	106.57	
point2081	1074	961127.70	1106968.80	427.00	96.92	
point454	1075	961234.00	1107156.00	426.00	215.28	
point1521	1076	961434.20	1107483.50	425.00	383.84	
point1521-2	1077	961653.20	1107857.00	425.00	432.97	12
point1522	1078	961878.50	1108226.80	425.00	433.03	
point455	1079	962006.00	1108436.40	427.00	245.33	
point457	1080	962093.40	1108585.30	429.00	172.66	
point458	1081	962183.00	1108760.60	430.00	196.87	
point460	1082	962249.30	1108908.40	432.00	161.99	
point461	1083	962320.90	1109092.60	433.00	197.63	
point421	409	962397.20	1109211.30	429.00	141.11	
Total SF		43283				

Noise Barrier 8B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point1097	1097	962439.20	1109514.60	436.00	--	12
point465	1086	962461.00	1109613.10	436.00	100.88	
point465	1086	962461.00	1109613.10	436.00	0.00	
point466	1087	962494.30	1109825.50	434.00	214.99	
point468	1088	962531.60	1110081.00	430.00	258.21	
point470	1089	962550.60	1110210.80	428.00	131.18	
point1523	1090	962582.90	1110428.80	425.00	220.38	14
point2527	1091	962640.00	1110824.10	425.00	399.40	
point2528	1092	962662.40	1110975.50	425.00	153.05	
point2529	1093	962693.70	1111190.80	430.00	217.56	
point2530	1094	962741.50	1111519.30	436.00	331.96	
point2531	1095	962789.40	1111844.90	440.00	329.10	

Total SF		32792				

Noise Barrier 9						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	1027	948815.40	1094775.00	580.00	--	
	1028	949012.20	1094731.60	580.00	201.53	
	1029	949398.70	1094646.60	582.00	395.74	
	1030	949692.90	1094583.40	584.00	300.91	12
	1031	949936.30	1094547.00	585.00	246.11	
	1032	950146.50	1094535.60	586.00	210.51	
	1033	950434.70	1094551.10	587.00	288.62	
Total SF		19721				

Noise Barrier 10						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point8197	1149	940308.80	1093728.00	625.00	--	
point8198	1150	940348.00	1093925.30	620.00	201.16	
point8199	1151	940375.60	1094057.30	615.00	134.85	
point8200	1152	940404.80	1094190.50	610.00	136.36	
point8201	1153	940413.60	1094231.90	609.00	42.32	
point8202	1154	940425.40	1094297.60	606.00	66.75	
point8212	1155	940459.00	1094456.60	599.00	162.51	
point8213	1156	940475.30	1094529.80	595.00	74.99	20
point8214	1157	940505.00	1094642.80	590.00	116.84	
point8215	1158	940526.50	1094728.80	585.00	88.65	
point8216	1159	940554.00	1094841.30	580.00	115.81	
point8217	1160	940578.90	1094942.80	575.00	104.51	
point8218	1161	940605.40	1095049.10	570.00	109.55	
point8219	1162	940635.90	1095175.80	566.00	130.32	
point8220	1163	940672.70	1095318.00	564.00	146.88	
Total SF		32630				

Noise Barrier 11A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	1213	938640.20	1099397.80	432.00	--	
	1214	938689.50	1099248.50	435.00	157.23	
	1215	938725.20	1099142.90	440.00	111.47	
	1216	938760.90	1099056.60	445.00	93.39	
	1217	938801.60	1098969.80	450.00	95.87	
	1218	938853.20	1098860.90	456.00	120.51	
	1219	938903.40	1098750.80	461.00	121.00	
	1220	938959.40	1098622.30	465.00	140.17	20
	1221	939035.70	1098430.30	471.00	206.61	
	1222	939099.50	1098274.80	476.00	168.08	

	1223	939172.80	1098102.80	480.00	186.97	
	1224	939267.60	1097899.40	486.00	224.41	
	1225	939583.50	1097289.50	504.00	686.86	
	1226	939688.30	1097081.80	508.00	232.64	
	1227	939793.40	1096870.30	510.00	236.17	
	1228	939863.30	1096727.50	511.00	158.99	
Total SF		58807				

Noise Barrier 11B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
8906-2	1044	938634.20	1101770.30	470.00	--	20
point8907	1045	938610.00	1101493.30	475.00	278.06	
point8908	1046	938594.40	1101272.50	477.00	221.35	
point8909	1047	938591.50	1100878.00	480.00	394.51	
8909-2	1048	938594.50	1100710.30	480.00	167.73	
point8910	1049	938596.40	1100603.40	480.00	106.92	
point8911	1050	938604.60	1100413.80	479.00	189.78	
point8912	1051	938623.40	1100202.30	475.00	212.33	
point8913	1052	938652.10	1099972.30	470.00	231.78	
point8914	1053	938670.70	1099846.60	467.00	127.07	
point8915	1054	938688.80	1099738.80	466.00	109.31	
point8916	1055	938729.70	1099550.10	461.00	193.08	
point8917	1056	938765.20	1099385.60	458.00	168.29	
point8918	1057	938816.50	1099155.30	457.00	235.94	
point8919	1058	938845.70	1099048.10	457.00	111.11	
point8920	1059	938909.70	1098829.30	460.00	227.97	
Total SF		59504				

Noise Barrier 11C/D						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point9775	1060	937803.20	1105881.60	402.00	--	
point9775-2	1061	937818.90	1105863.80	402.00	23.73	
point9776	1062	937834.90	1105759.00	402.00	106.01	
point9777	1063	937849.00	1105682.80	403.50	77.49	
point9778	1064	937858.10	1105640.30	404.00	43.46	
point9779	1065	937880.90	1105549.90	410.00	93.23	
point9780	1066	937915.90	1105436.60	416.00	118.58	
point9781	1067	937953.40	1105334.00	422.00	109.24	
point9782	1068	937991.70	1105229.60	425.00	111.20	
point9783	1069	938059.70	1105037.90	426.00	203.40	
point9784	1070	938100.80	1104920.30	426.50	124.58	
point9785	1071	938125.70	1104835.30	427.50	88.57	
point9838	1072	938153.50	1104735.80	429.50	103.31	
point9839	1073	938216.60	1104509.50	433.50	234.93	
point9840	1074	938237.50	1104440.10	435.00	72.48	

point9682	1075	938336.80	1104119.00	440.00	336.10	16
point605	1076	938476.70	1103618.60	450.00	519.59	
point8954	1077	938577.80	1103252.30	455.00	380.00	
point8955	1078	938633.90	1103023.30	457.00	235.77	
point8956	1079	938643.30	1102953.80	458.00	70.13	
point8957	1080	938675.80	1102723.80	460.00	232.28	
point8958	1081	938683.40	1102538.80	462.00	185.16	
point9063	1082	938668.50	1102324.10	465.00	215.22	
point9064	1083	938655.40	1102128.00	466.00	196.54	
point9065	1084	938644.50	1102030.00	468.00	98.60	
point9066	1085	938627.30	1101924.80	470.00	106.60	
point9067	1086	938598.20	1101778.00	470.00	149.66	
point9166	1087	938568.20	1101637.80	465.00	143.37	
point9069	1088	938547.60	1101537.80	460.00	102.10	
point9070	1089	938527.10	1101440.00	455.00	99.93	
point9071	1090	938503.60	1101340.10	450.00	102.63	
point9072	1091	938492.80	1101296.60	447.00	44.82	
Total SF		75660				

Noise Barrier 12A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point9472	1111	938710.50	1103361.30	444.00	--	20
point9473	1112	938678.20	1103488.40	448.00	131.14	
point9474	1113	938617.60	1103656.90	450.00	179.07	
point8934	1114	938549.60	1103829.40	446.00	185.42	
point616	1115	938520.80	1103911.50	445.00	87.00	
point9787	1116	938479.10	1104056.00	442.50	150.40	
point9788	1117	938439.20	1104201.40	440.00	150.78	
point9789	1118	938366.00	1104464.40	435.00	273.00	
point9474	1119	938330.30	1104587.00	432.50	127.69	
point8934	1120	938282.80	1104764.30	429.50	183.55	
point616	1121	938252.30	1104885.40	427.50	124.88	
point9787	1122	938202.30	1105100.30	425.50	220.64	
point9788	1123	938164.50	1105278.50	424.00	182.16	
point9789	1124	938107.90	1105581.30	424.00	308.04	
point9790	1125	938097.80	1105637.80	423.75	57.40	
point9791	1126	938094.90	1105681.80	423.50	44.10	
point9792	1127	938095.20	1105773.80	423.00	92.00	
point9793	1128	938104.40	1105890.90	420.00	117.46	
Total SF		52295				

Noise Barrier 12B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point8942	1099	938717.10	1101432.10	474.00	--	
point8943	1100	938753.30	1101900.00	470.00	469.30	

point8944	1101	938777.50	1102166.00	467.00	267.10	16
point8945	1102	938792.70	1102462.90	465.00	297.29	
point8946	1103	938790.60	1102605.50	463.00	142.62	
point8947	1104	938780.70	1102752.60	462.00	147.43	
point8948	1105	938767.40	1102868.30	460.00	116.46	
point8949	1106	938752.80	1102979.50	459.00	112.15	
point8950	1107	938740.50	1103043.30	459.00	64.97	
point8950	1108	938717.80	1103141.80	458.00	101.08	
Total SF		27495				

Noise Barrier 12C						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point1187	1187	939069.40	1099360.10	483.00	--	17.25
point1188	1188	938995.00	1099725.40	487.00	372.80	
point1189	1189	938959.90	1099794.80	486.00	77.77	
point1190	1190	938929.00	1099886.50	486.00	96.77	
point1191	1191	938896.30	1099995.90	488.00	114.18	
point1192	1192	938880.60	1100036.60	487.00	43.62	
point1193	1193	938862.60	1100088.90	485.00	55.31	
point1194	1194	938838.00	1100160.30	480.00	75.52	
point1195	1195	938822.30	1100301.40	483.00	141.97	
point1196	1196	938812.00	1100357.30	483.00	56.84	
point1197	1198	938769.80	1100514.60	477.00	162.86	
Total SF		20657				

Noise Barrier 13A-C						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point12102-2	3072	939720.40	1112228.30	427.88	--	20
point12103	3073	939695.30	1112229.50	428.00	25.13	
point12104	3074	939613.30	1112233.80	428.50	82.11	
point12105	3075	939187.00	1112250.50	430.00	426.63	
point12106	3076	938600.60	1112249.50	428.00	586.40	
point12107	3077	938177.00	1112243.00	430.00	423.65	
point12108	3078	938101.60	1112240.60	430.00	75.44	
point12108-2	3079	938081.00	1112239.90	429.90	20.61	
point12108-2	3080	937770.60	1112225.10	429.10	310.75	
point12109	3081	937740.60	1112223.30	429.00	30.05	
point12110	3082	937329.60	1112204.30	430.00	411.44	
point12111	3083	937163.60	1112207.40	432.00	166.03	
point12112	3084	936990.50	1112225.30	434.50	174.02	
point12113	3085	936906.60	1112239.30	436.00	85.06	
point12114	3086	936799.00	1112262.80	438.00	110.14	
point12115	3087	936719.50	1112284.00	439.50	82.28	
point12116	3088	936591.90	1112325.50	441.00	134.18	
point12117	3089	936466.30	1112375.90	443.00	135.33	

point12479	3090	936309.00	1112453.40	445.00	175.36	
point12480	3091	936234.50	1112496.40	446.00	86.02	
point12481	3092	936186.10	1112527.90	446.50	57.75	
point12482	3093	936075.80	1112613.60	448.50	139.68	
point12483	3094	935969.20	1112715.00	451.00	147.12	
point12484	3095	935827.90	1112847.10	451.00	193.43	
point12547	3054	941609.00	1112260.90	429.00	--	20
point12538	3055	941385.90	1112236.80	428.00	224.40	
point659	3056	941060.00	1112222.50	426.00	326.21	
point12067	3057	940878.00	1112217.80	425.00	182.06	
point12069	3058	940483.20	1112223.40	423.00	394.84	
point12070	3059	940219.40	1112225.00	424.50	263.80	
point12071	3060	940041.60	1112232.80	425.50	177.97	
point12071	3061	940027.60	1112233.80	425.50	14.04	
point12071-2	3062	939852.40	1112249.80	426.25	175.93	
point12072	3063	939694.60	1112265.60	427.00	158.59	
point12073	3064	939613.20	1112272.60	427.00	81.70	
point12268	3065	939236.90	1112311.50	428.50	378.31	
point12269	3066	939093.00	1112322.90	429.00	144.35	
point12270	3067	938917.30	1112328.40	428.00	175.79	
point12271	3068	938760.10	1112327.30	424.00	157.20	
point12273	3069	938553.10	1112338.60	417.00	207.31	
point12279	3070	938283.40	1112327.50	408.50	269.93	
point12280	3071	938199.10	1112323.60	408.00	84.39	
Total SF		149909				

Noise Barrier 13C						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point12070	3059	940219.40	1112225.00	424.50	--	
point12071	3060	940041.60	1112232.80	425.50	177.97	
point12071	3061	940027.60	1112233.80	425.50	14.04	
point12071-2	3062	939852.40	1112249.80	426.25	175.93	14
point12072	3063	939694.60	1112265.60	427.00	158.59	
point12073	3064	939613.20	1112272.60	427.00	81.70	
point12268	3065	939236.90	1112311.50	428.50	378.31	
Total SF		13811				

Noise Barriers 13D, 13E, & 13F						
		X	**Y**	**Z**	**Length**	**Height**
	1165	942144.40	1112388.50	433.00	--	
	1166	942317.70	1112444.90	434.00	182.25	
	1167	942439.90	1112490.50	433.50	130.43	
	1168	942588.10	1112548.30	433.00	159.07	
Barrier 13D	1169	942733.50	1112608.60	432.00	157.41	
	1170	942823.40	1112653.40	431.50	100.44	16

	1171	942907.30	1112698.50	431.00	95.25	
	1172	942997.80	1112750.10	430.00	104.18	
	1173	943146.60	1112832.10	425.50	169.90	
	1174	943294.80	1112906.80	422.00	165.96	
	1175	943475.60	1112976.30	416.00	193.70	
subtotal SF		23337				
	1177	943202.10	1112783.80	433.00	--	
	1178	943393.50	1112861.90	435.50	206.72	
	1179	943462.80	1112888.80	436.00	74.34	
Barrier 13E	1180	943589.80	1112935.30	436.00	135.25	16
	1181	943674.90	1112964.60	435.50	90.00	
	1182	943863.90	1113026.80	433.00	198.97	
	1183	944016.40	1113076.30	427.50	160.33	
subtotal SF		13850				
	1184	943627.00	1113063.40	419.00	--	
	1185	943728.00	1113086.80	417.00	103.68	
	1186	943819.40	1113108.30	416.00	93.89	
	1221	943991.60	1113148.00	416.50	176.72	
	1222	944154.60	1113178.00	419.50	165.74	
	1223	944294.60	1113201.10	423.50	141.89	
Barrier 13F	1187	944406.40	1113222.60	424.00	113.85	16
	1188	944523.50	1113253.30	424.50	121.06	
	1189	944656.30	1113295.80	426.50	139.43	
	1190	944806.80	1113344.40	427.50	158.15	
	1191	945155.50	1113443.40	430.50	362.48	
	1192	945256.90	1113475.60	430.00	106.39	
	1233	945695.40	1113624.60	428.00	463.12	
subtotal SF		34342				
Total SF		71529				

Noise Barrier 13G						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1194	946253.20	1113826.10	426.00	--	
x	1195	946550.00	1113956.80	426.00	324.30	
x	1196	946871.60	1114123.50	430.00	362.24	
x	1197	947137.80	1114279.00	437.00	308.29	20
x	1198	947251.60	1114332.80	443.00	125.88	
x	1199	947379.60	1114379.30	450.00	136.18	
x	1200	947472.80	1114412.90	455.00	99.07	
x	1201	947548.60	1114441.80	460.00	81.12	
Total SF		28742				

Noise Barrier 13H						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1224	948309.50	1114537.40	431.00	--	

x	1225	948433.80	1114572.00	431.50	129.03	
x	1226	948558.00	1114606.50	432.00	128.90	
x	1227	948682.30	1114641.10	432.50	129.03	
x	1228	948806.50	1114675.80	433.00	128.96	14
x	1229	948930.80	1114710.40	433.50	129.03	
x	1230	949055.00	1114745.00	434.00	128.93	
x	1231	949179.30	1114779.50	434.50	129.00	
x	1232	949303.50	1114814.10	435.00	128.93	
Total SF		14445				

Noise Barrier 13I						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1206	948824.70	1114793.90	443.00	--	
x	1207	948963.10	1114805.10	440.00	138.85	
x	1208	949348.80	1114857.60	435.00	389.26	
x	1209	949634.20	1114928.30	432.00	294.03	
x	1210	949844.50	1114975.30	430.00	215.49	
x	1211	950256.60	1115086.30	425.00	426.79	
x	1212	950562.20	1115156.40	425.00	313.54	
x	1213	950813.80	1115197.40	420.00	254.92	16
x	1214	951077.90	1115224.40	420.00	265.48	
x	1215	951353.20	1115243.50	425.00	275.96	
x	1216	951519.10	1115240.80	431.00	165.92	
x	1217	951693.60	1115230.00	436.00	174.83	
x	1218	951837.60	1115216.60	438.00	144.62	
x	1219	951994.50	1115195.10	440.00	158.37	
x	1220	952067.70	1115185.00	441.00	73.89	
Total SF		52671				

Noise Barrier 14						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point1239	1204	933262.20	1117144.50	410.50	--	16
point1240	1205	933327.60	1117108.30	410.80	74.75	
point1240	1205	933327.60	1117108.30	410.80	0.00	
point1241	1206	933409.00	1117053.40	411.00	98.18	18
point1242	1207	933521.70	1116978.30	412.00	135.43	
point1242	1207	933521.70	1116978.30	412.00	0.00	
point1243	1208	933569.70	1116924.10	412.00	72.40	16
point1244/1204	1209	933623.80	1116819.30	412.00	117.94	
point1205	1210	933652.70	1116752.60	411.00	72.69	
point1205	1210	933652.70	1116752.60	411.00	0.00	
point1206	1211	933693.90	1116654.00	411.00	106.86	
point1207	1212	933731.40	1116570.10	411.00	91.90	
point1208	1213	933769.20	1116490.50	411.50	88.12	
point1209	1212	933795.30	1116435.80	412.00	60.61	18

point1210	1213	933817.70	1116395.10	412.00	46.46	
point1211	1214	933839.50	1116356.80	412.00	44.07	
point1212	1215	933878.80	1116295.90	412.00	72.48	
point1213	1216	933933.80	1116225.50	411.00	89.34	
point1213	1216	933933.80	1116225.50	411.00	0.00	16
point1214	1217	933976.00	1116174.80	410.00	65.96	
point1215	1218	934054.80	1116083.60	409.00	120.53	
Total SF		23390				

Noise Barrier 15						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1185	932458.30	1117633.40	411.50	--	14
x	1223	932528.30	1117595.30	411.00	79.70	
x	1186	932572.60	1117571.00	411.00	50.53	
x	1187	932628.10	1117535.00	410.00	66.15	
x	1188	932739.30	1117464.80	409.00	131.50	
x	1189	932782.90	1117438.40	408.50	50.97	
x	1190	932854.90	1117394.80	408.00	84.17	
x	1191	932895.30	1117370.40	408.00	47.20	
x	1192	932978.40	1117322.30	408.00	96.02	
x	1193	933006.80	1117307.60	408.50	31.98	
x	1193	933072.30	1117265.30	409.00	77.97	
x	1194	933121.50	1117225.80	410.00	63.09	
x	1195	933155.70	1117197.60	410.00	44.33	
x	1196	933172.00	1117187.60	410.70	19.12	
Total SF		11798				

Noise Barrier 16B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	1202	932396.20	1127359.90	404.00	--	10
	1203	932575.30	1127628.50	398.00	322.84	
	1231	932731.90	1127850.90	391.25	272.00	
subtotal SF		5948				
Noise Barrier 16A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
P107	1209	933068.40	1127672.40	404.00	--	8
P108	1210	933135.10	1127677.00	401.00	66.86	
P109	1211	933188.40	1127693.10	398.00	55.68	
P110	1212	933237.50	1127719.90	396.00	55.94	
P111	1213	933298.20	1127777.10	392.00	83.40	
P112	1214	933337.50	1127846.80	389.00	80.02	
P112	1214	933337.50	1127846.80	389.00	0.00	10
P113	1215	933354.10	1127912.80	386.00	68.06	
P113	1215	933354.10	1127912.80	386.00	0.00	12
P114	1216	933356.40	1127972.60	385.00	59.84	

P115	1217	933311.10	1128262.60	382.00	293.52	12
P116	1218	933305.20	1128331.30	383.00	68.95	
P116	1218	933305.20	1128331.30	383.00	0.00	
P117	1219	933309.40	1128444.80	384.00	113.58	
P118	1220	933333.70	1128568.60	385.00	126.16	
P119	1221	933381.90	1128694.60	387.00	134.90	
P120	1222	933417.00	1128762.50	387.00	76.44	
P121	1223	933498.40	1128889.30	388.00	150.68	
P122	1224	933598.10	1129025.80	388.00	169.03	14
P123	1225	934022.30	1129598.30	387.00	712.53	
P124	1226	934228.90	1129872.80	387.00	343.56	
P125	1227	934347.90	1130032.40	387.00	199.08	
P126	1228	934517.50	1130271.90	387.00	293.47	
P127	1229	934690.10	1130545.40	387.00	323.41	
	1175	934690.10	1130545.40	387.00	0.00	
	1176	934742.40	1130630.50	385.50	99.89	
	1177	934794.70	1130715.80	385.00	100.06	
	1178	934847.00	1130801.00	385.00	99.97	
	1179	934899.40	1130886.30	385.00	100.11	
	1180	935003.90	1131056.80	385.00	199.98	
	1181	935108.40	1131227.30	385.00	199.98	
	1182	935213.40	1131397.50	385.00	199.98	
	1183	935325.00	1131563.40	384.00	199.94	16
	1185	935433.20	1131731.80	384.00	200.16	
	1186	935539.30	1131901.30	384.00	199.97	
	1187	935593.50	1131985.30	384.00	99.97	
	1189	935647.70	1132069.30	384.00	99.97	
	1188	935702.20	1132152.60	384.00	99.54	
	1184	935758.10	1132235.50	384.00	99.99	
subtotal SF		47499				
Total SF		53447				

Noise Barrier 17						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	1190	936018.00	1132843.60	391.00	--	
	1191	936171.20	1133042.40	397.00	250.98	
	1192	936244.60	1133139.30	401.00	121.56	
	1193	936338.30	1133260.50	406.00	153.20	
	1194	936446.40	1133399.10	410.00	175.77	
	1195	936696.80	1133725.30	415.00	411.23	16
	1196	936949.00	1134050.50	415.00	411.53	
	1197	937036.00	1134152.80	415.00	134.29	
	1198	937186.30	1134300.80	412.00	210.94	
	1199	937322.90	1134410.80	411.00	175.38	
	1200	937485.00	1134521.30	409.00	196.18	
Total SF		35857				

Noise Barrier 18						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	381	959517.40	1104528.30	433.37	--	
	382	959541.90	1104607.90	432.88	83.29	
	383	959562.80	1104672.80	432.58	68.18	
	384	959581.80	1104733.30	431.87	63.41	
	385	959597.80	1104800.30	431.87	68.88	
	386	959607.30	1104861.10	432.27	61.54	18
	387	959612.10	1104931.30	432.37	70.36	
	388	959611.80	1104988.00	431.67	56.70	
	389	959607.10	1105056.00	432.68	68.16	
	390	959591.20	1105141.40	432.58	86.87	
	391	959565.90	1105247.90	433.69	109.46	
	391	959565.90	1105247.90	433.69	0.00	
	392	959538.50	1105348.80	434.19	104.55	
	393	959514.70	1105435.90	434.59	90.29	
	394	959494.70	1105506.80	435.19	73.67	
	395	959467.90	1105604.30	435.39	101.12	
	396	959443.40	1105697.30	436.09	96.17	
	397	959421.20	1105777.80	437.79	83.51	20
	398	959405.40	1105827.40	440.10	52.06	
	399	959390.10	1105856.30	441.60	32.70	
	400	959372.00	1105883.50	444.74	32.67	
	401	959343.50	1105913.00	448.36	41.02	
	402	959309.80	1105937.30	450.32	41.55	
	403	959275.20	1105950.80	451.54	37.14	
	404	959220.90	1105974.30	454.83	59.17	
Total SF		28484				

Noise Barriers 19A&19B						
		X	**Y**	**Z**	**Length**	**Height**
	359	960526.90	1106318.80	437.00	--	
	360	960463.50	1106217.40	440.00	119.59	
	361	960403.80	1106118.80	444.38	115.27	
Barrier 19A	362	960321.60	1105986.90	444.00	155.42	
	363	960241.30	1105851.60	445.00	157.33	20
	364	960219.10	1105808.80	446.00	48.21	
	365	960118.60	1105647.60	446.00	189.96	
	366	960082.70	1105594.50	446.00	64.10	
	437	960041.10	1105525.50	445.00	80.57	
subtotal SF		18609				
	439	959652.60	1105951.90	433.22	--	
	440	959734.50	1106029.80	429.08	113.03	
	441	959791.30	1106108.00	427.49	96.65	

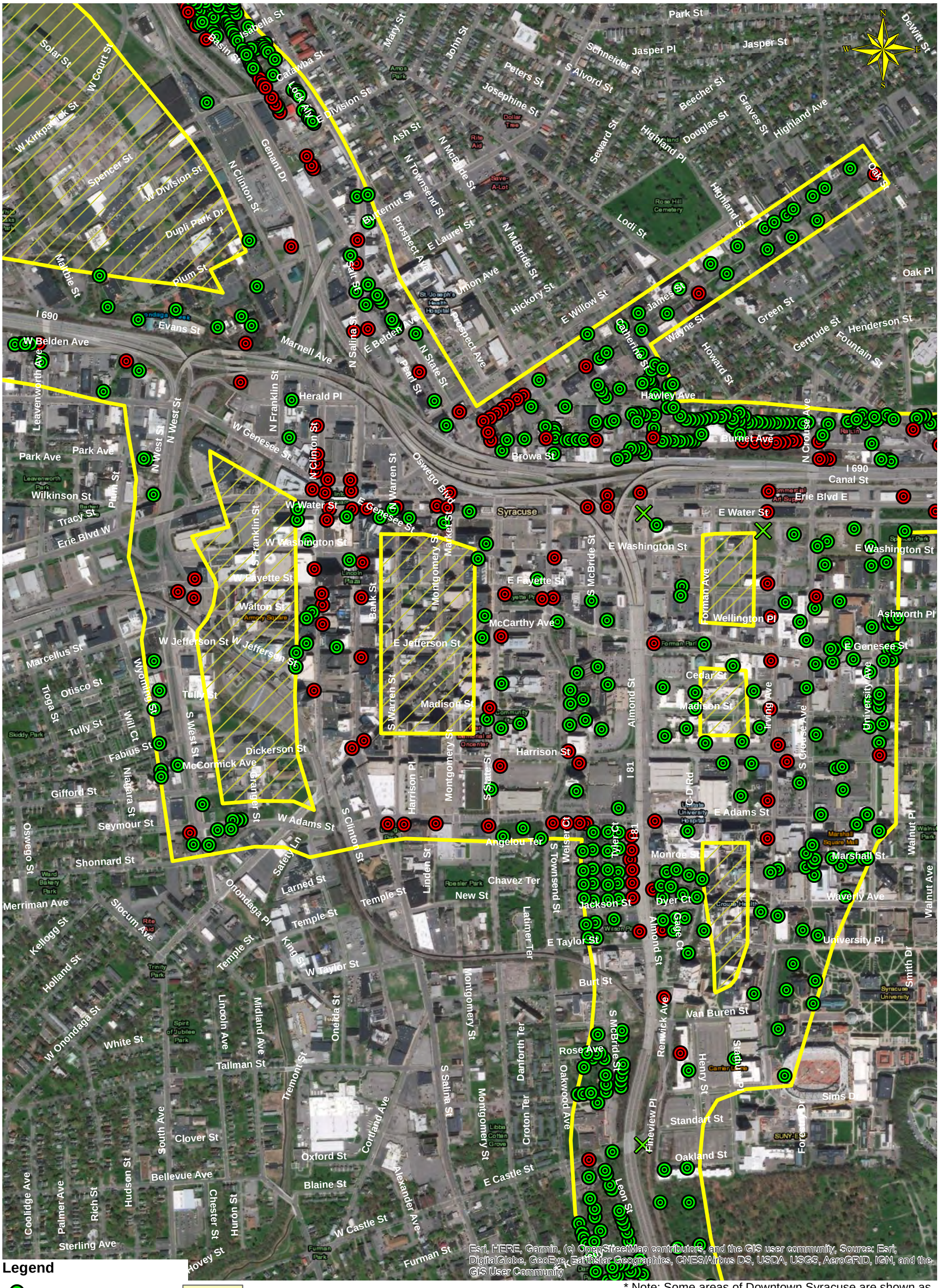
Barrier 19B	442	959852.60	1106207.30	426.51	116.70	20
	443	959954.80	1106370.60	426.69	192.64	
	444	960070.80	1106553.00	426.88	216.16	
	445	960117.30	1106627.90	426.95	88.16	
	446	960178.10	1106704.90	427.66	98.11	
	447	960263.90	1106771.90	427.30	108.86	
	448	960356.00	1106811.80	427.38	100.37	
	449	960448.60	1106832.50	427.27	94.89	
	450	960648.00	1106870.40	427.67	202.97	
	451	960752.70	1106893.00	426.90	107.11	
	452	960825.40	1106919.80	426.19	77.48	
	453	960916.50	1106981.00	425.78	109.75	
	454	960983.80	1107063.90	425.80	106.78	
	455	961042.60	1107158.00	425.34	110.96	
	456	961087.00	1107226.60	424.99	81.71	
	457	961129.50	1107286.80	425.11	73.69	
	458	961202.20	1107394.90	424.67	130.27	
	459	961249.00	1107471.90	424.22	90.11	
	460	961289.10	1107535.50	424.60	75.19	
subtotal SF		47832				
Total SF		66441				

Noise Barriers 20&21						
		X	**Y**	**Z**	**Length**	**Height**
Barrier 20	2921	930097.70	1113795.50	395.90	--	18
	2922	930245.50	1113792.30	396.10	147.83	
	2923	930526.30	1113777.90	395.50	281.17	
	2924	930614.10	1113775.60	395.10	87.83	
	2925	930794.40	1113778.60	394.00	180.32	
	2926	931047.50	1113774.30	393.50	253.14	
subtotal SF		17105				
Barrier 21	2928	930606.00	1113879.40	374.60	--	20
	2929	930610.00	1113874.30	374.60	6.48	
	2930	930615.20	1113869.80	374.60	6.88	
	2931	930623.00	1113864.90	374.60	9.21	
	2932	930629.00	1113862.30	374.60	6.54	
	2933	930677.90	1113854.30	376.10	49.55	
	2934	930855.30	1113832.60	383.90	178.72	
	2935	931032.00	1113811.30	390.70	177.98	
	2935	931032.00	1113811.30	390.70	0.00	18
	2936	931204.20	1113790.00	395.60	173.51	
	2937	931355.20	1113771.00	400.00	152.19	
	2938	931524.30	1113758.80	405.30	169.54	
subtotal SF		17626				
Total SF		34731				

Noise Barriers 22&23						
		X	Y	Z	Length	Height
Barrier 22	2830	928466.30	1113909.00	387.90	--	16
	2831	928516.60	1113889.30	388.80	54.02	
	2832	928556.50	1113874.80	389.50	42.45	
	2833	928611.90	1113856.80	390.50	58.25	
	2834	928708.10	1113830.30	391.50	99.78	
	2835	928781.20	1113810.50	392.60	75.73	
	2836	928930.70	1113773.90	393.10	153.91	
	2837	929054.90	1113743.50	393.50	127.87	
	2838	929208.00	1113721.30	394.20	154.70	
	2839	929299.30	1113712.00	394.60	91.77	
	2840	929376.90	1113706.80	394.90	77.77	
	2841	929460.30	1113703.00	395.00	83.49	
	2842	929564.00	1113704.00	395.30	103.70	
	2843	929658.10	1113704.30	395.70	94.10	
	2844	929726.10	1113702.30	396.00	68.03	
	2845	929804.80	1113700.40	396.30	78.72	
	2846	929910.70	1113694.30	396.70	106.08	
	2847	930020.00	1113689.60	397.20	109.40	
	2848	930080.50	1113688.10	397.40	60.52	
	2849	930228.50	1113684.40	397.20	148.05	
	2850	930511.80	1113683.80	396.20	283.30	
	2851	930602.40	1113681.30	395.60	90.63	
	2852	930773.20	1113672.60	395.00	171.02	
	2853	930972.40	1113665.30	395.00	199.33	
subtotal SF		40522				
Barrier 23	2854	930607.90	1113585.90	380.40	--	16
	2855	930754.90	1113618.80	384.90	150.64	
	2856	930857.20	1113623.80	390.20	102.42	
	2857	931037.60	1113640.40	393.10	181.16	
	2858	931180.50	1113647.80	394.80	143.09	
	2859	931294.00	1113644.40	397.40	113.55	
	2860	931465.40	1113630.50	402.60	171.96	
	2861	931550.90	1113620.40	405.20	86.09	
	2862	931715.30	1113601.50	392.00	165.48	
	2863	932193.40	1113517.50	415.00	485.42	
	2864	932503.50	1113474.30	416.00	313.09	
	2865	932589.60	1113460.30	415.00	87.23	
	2866	932722.70	1113437.50	412.00	135.04	
	2867	932853.20	1113412.10	410.50	132.95	
	2868	932953.30	1113389.40	409.50	102.64	
	2869	933119.30	1113346.30	409.50	171.50	
subtotal SF		40677				
Total SF		81199				

ATTACHMENT J

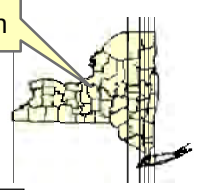
2050 Community Grid Alternative Conditions Noise Results Figures

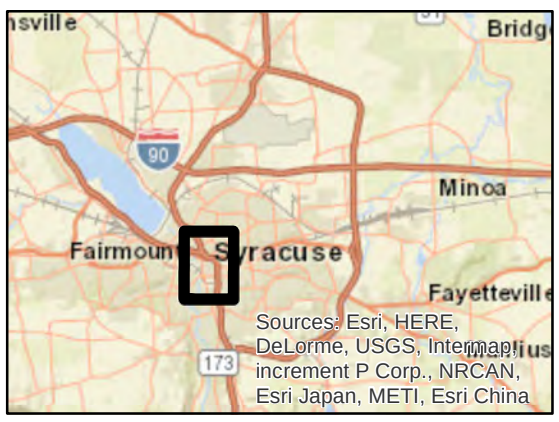


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Inactive under this Alternative
- Project Noise Study Area Limits
- Downtown Exclusion Areas*

Project Location





* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 550 1,100 2,200 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050 Noise Analysis Results (Page 1 of 12)

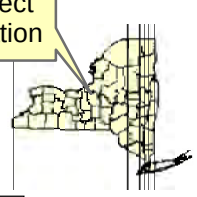
I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

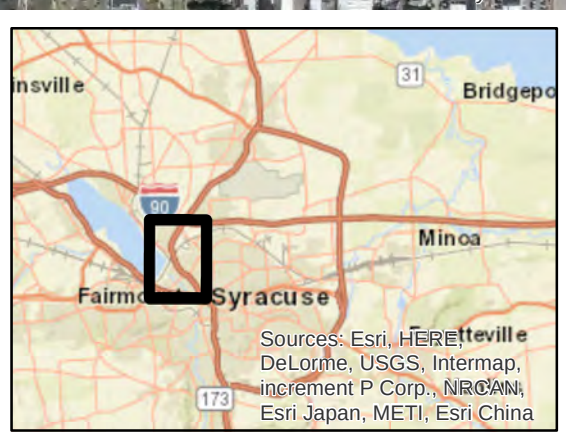
Date: 11/8/2021

Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Existing Noise Barrier
- Project Noise Study Area Limits
- Downtown Exclusion Areas*

Project Location





* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

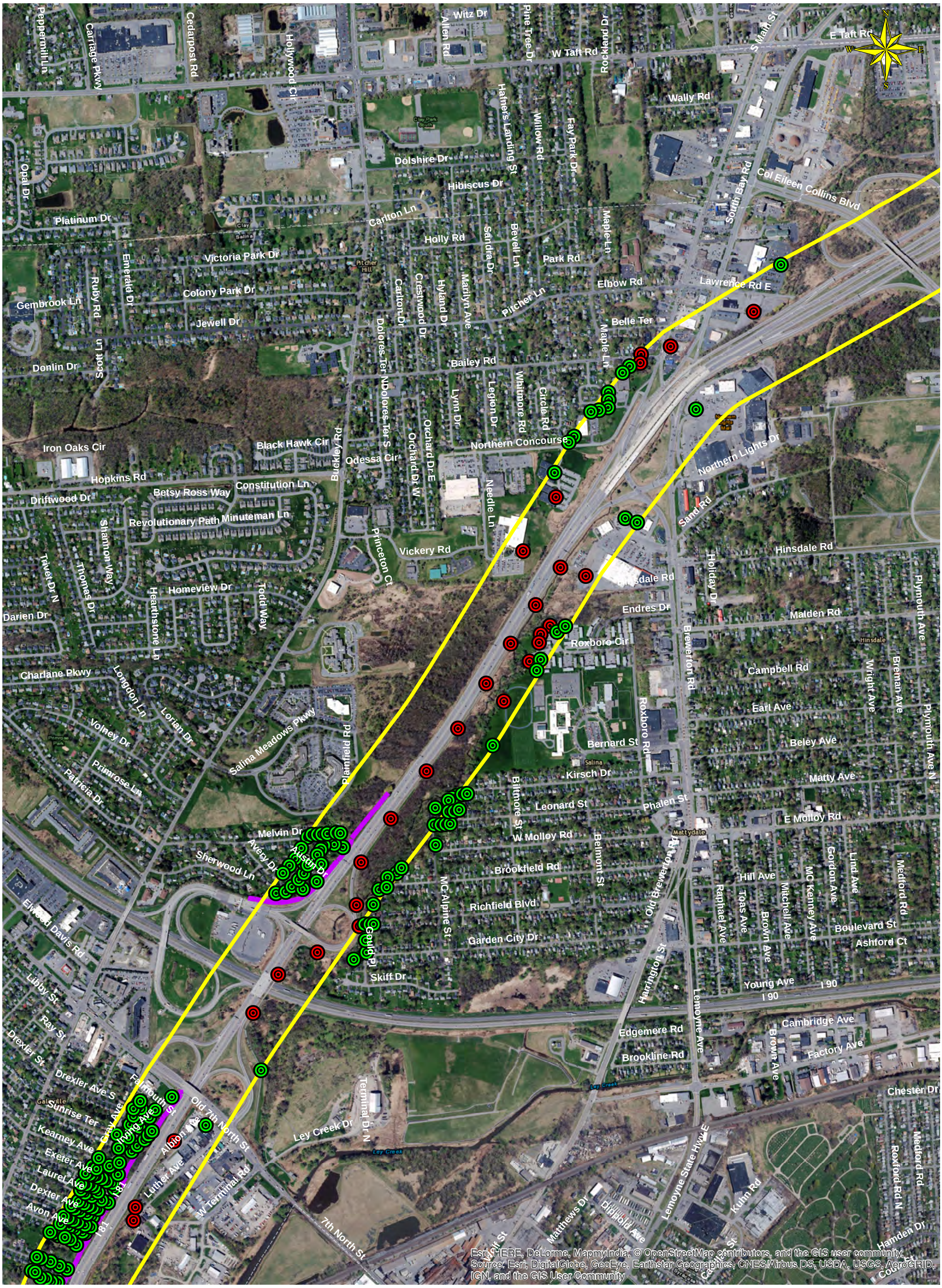
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Analysis Results (Page 2 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

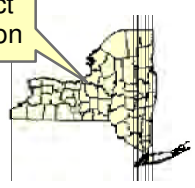
Date: 10/7/2020

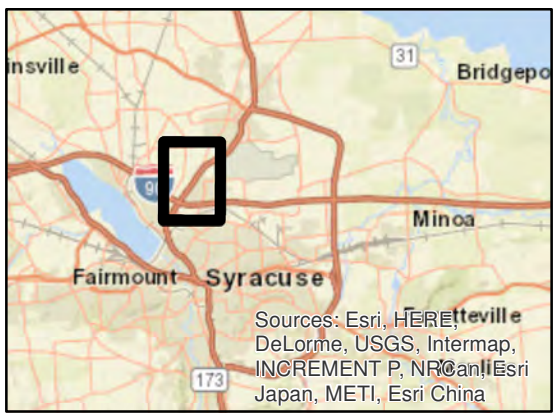


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location





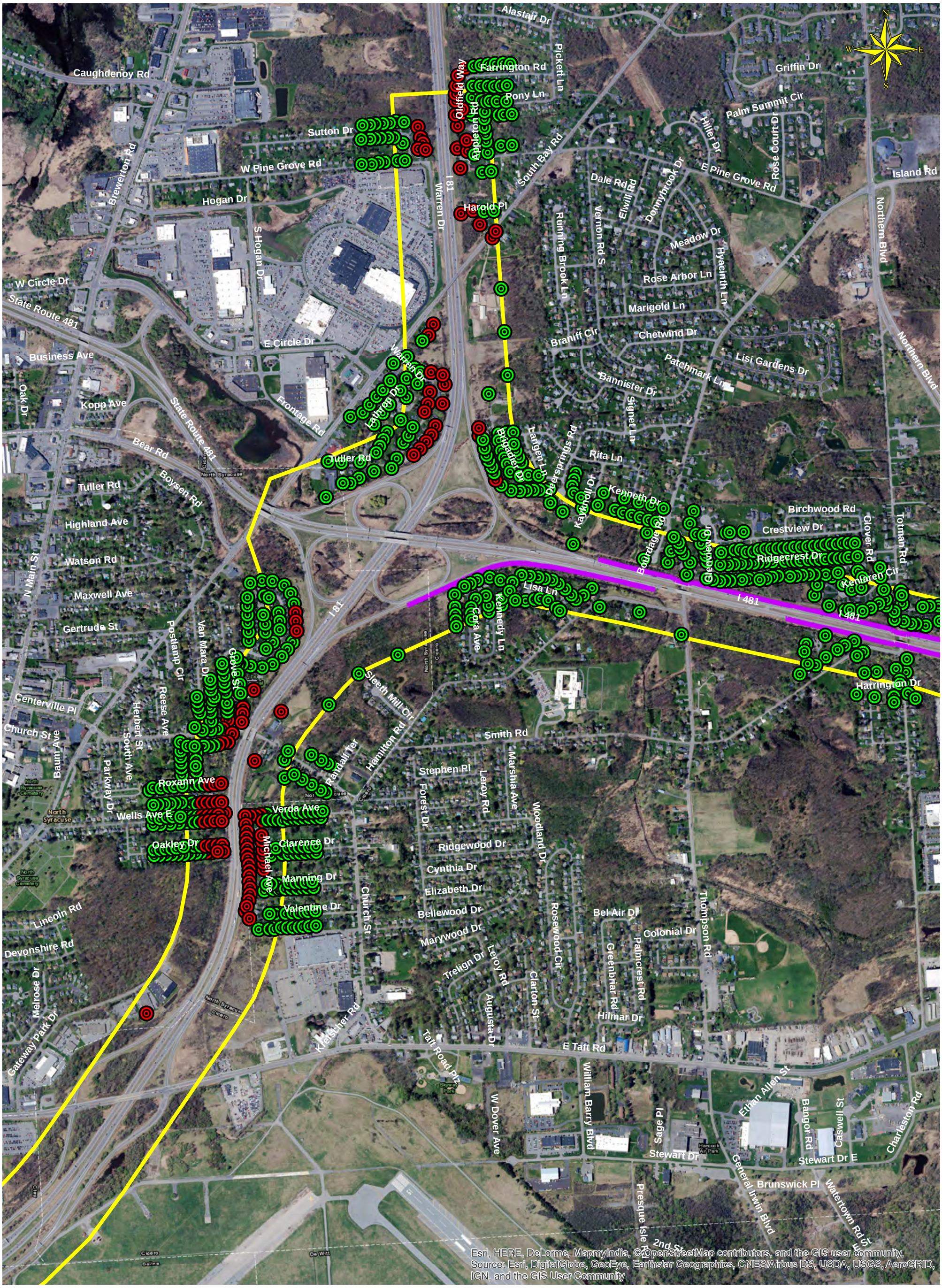
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Analysis Results (Page 3 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

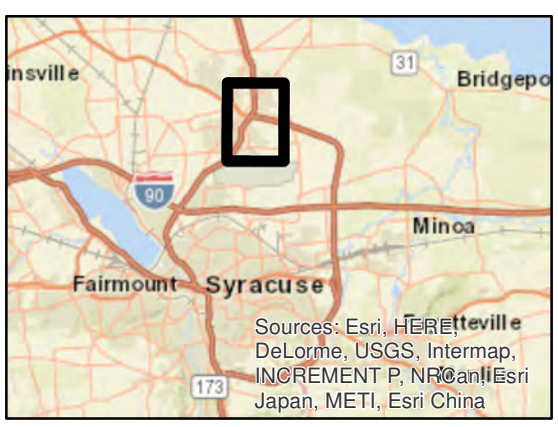
Date: 2/14/2020



Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location



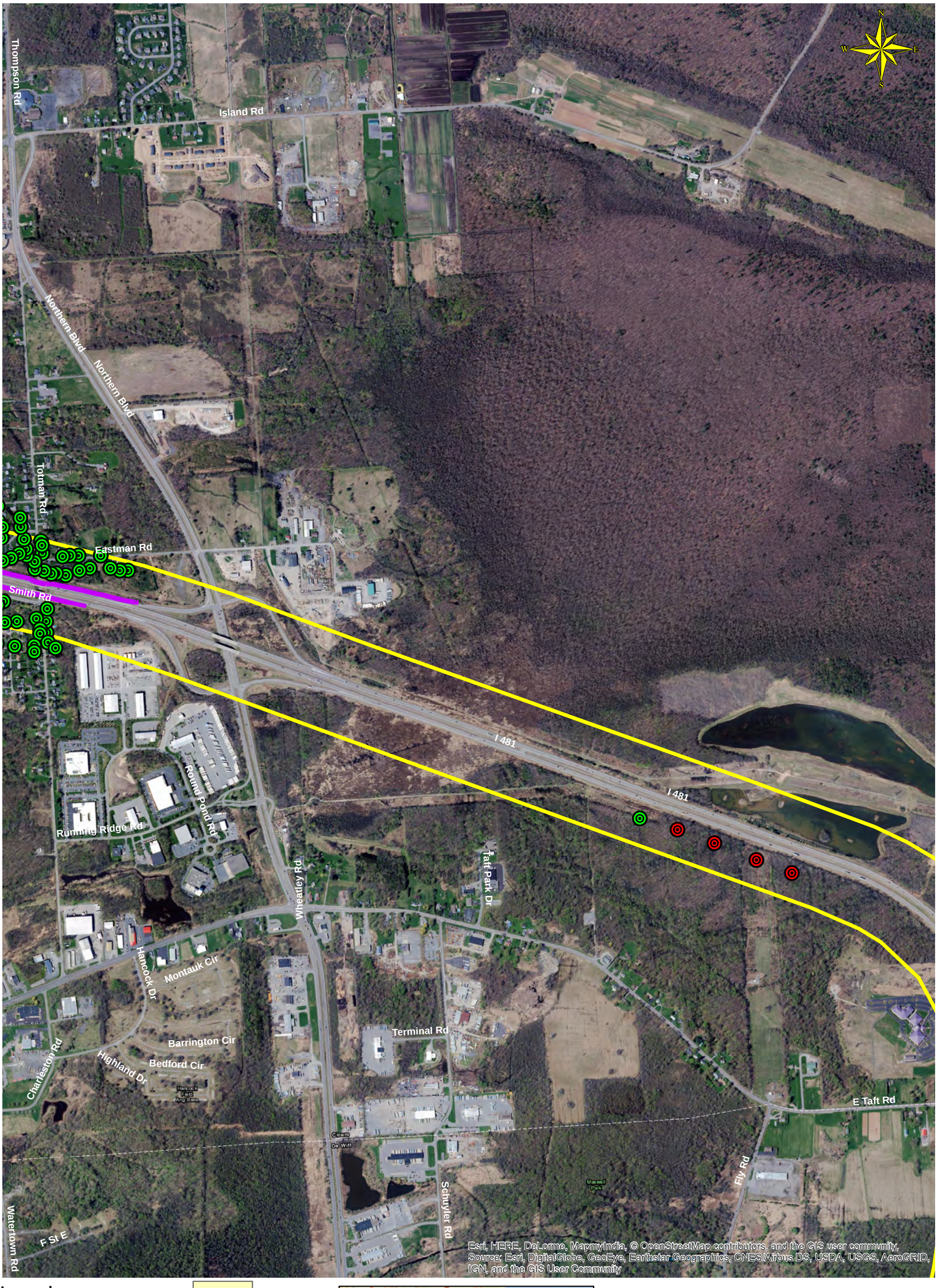
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Analysis Results (Page 4 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

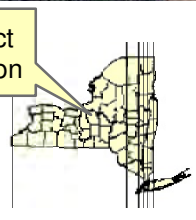
Date: 2/14/2020

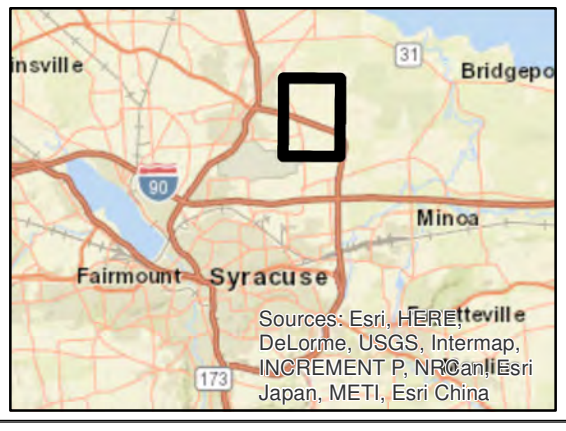


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location





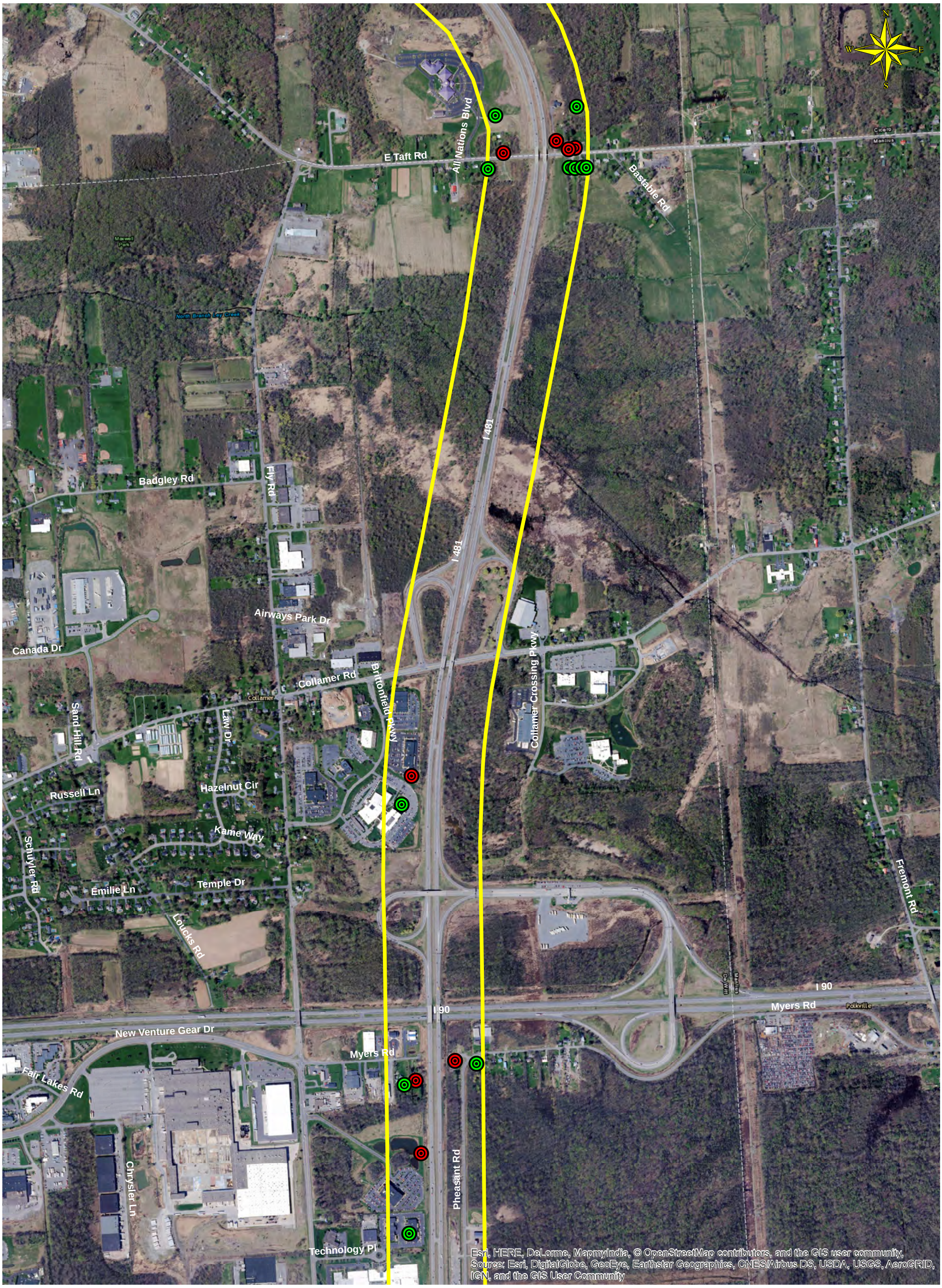
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Analysis Results (Page 5 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

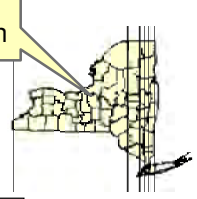
Date: 2/14/2020

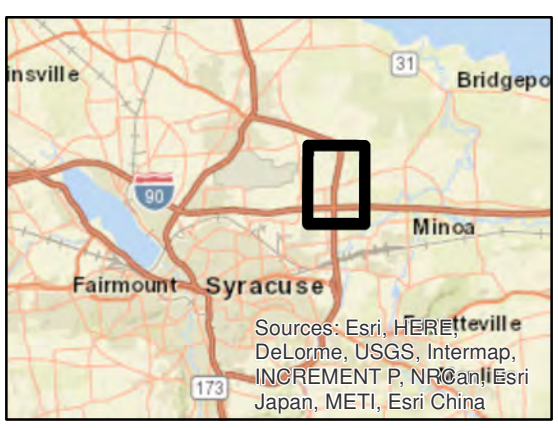


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





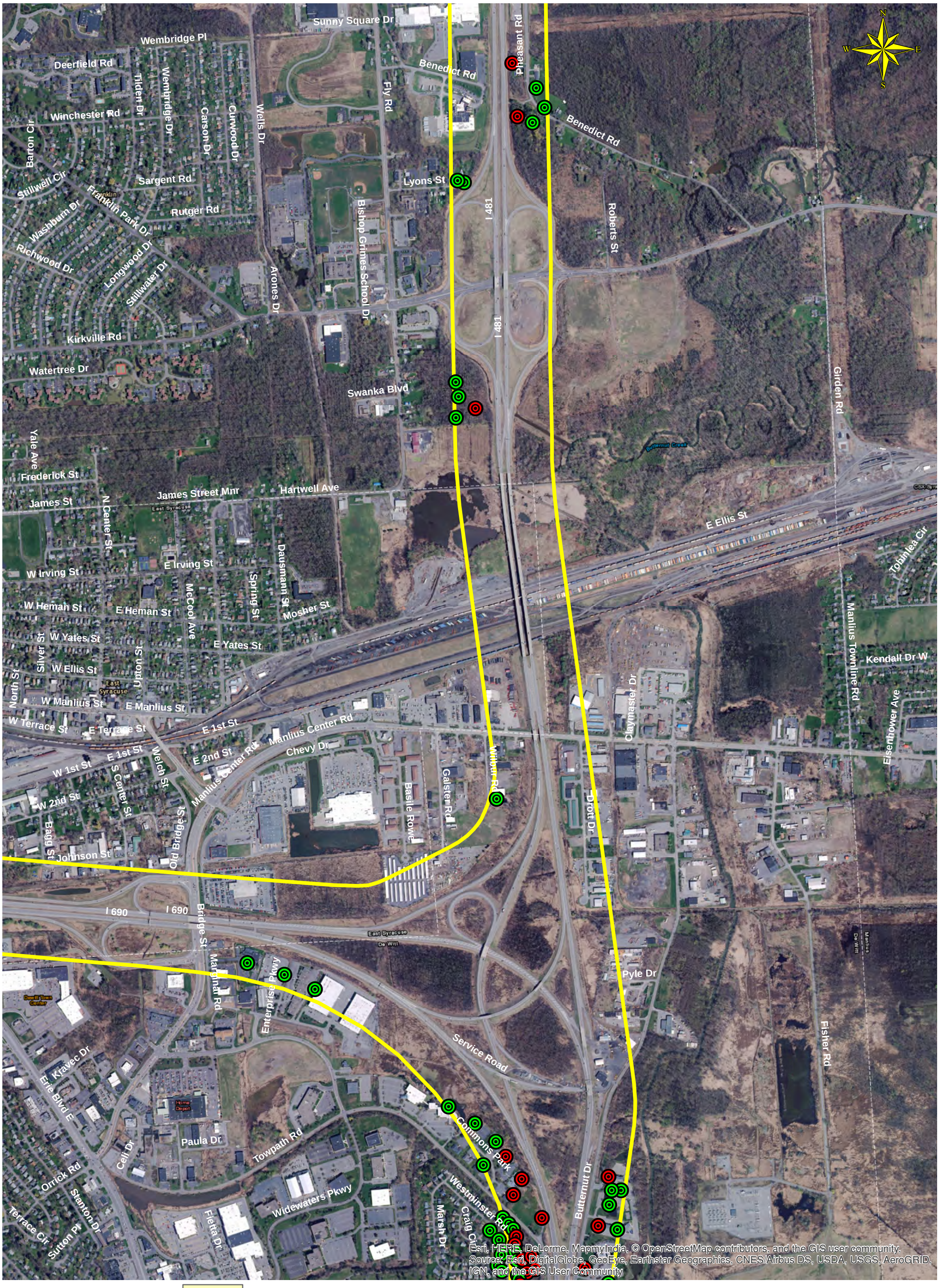
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Analysis Results (Page 6 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

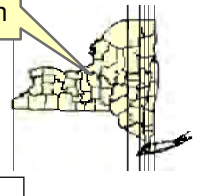
Date: 2/14/2020

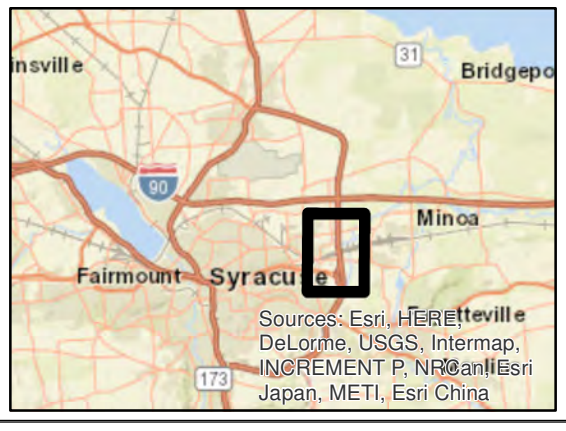


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Analysis Results (Page 7 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/14/2020

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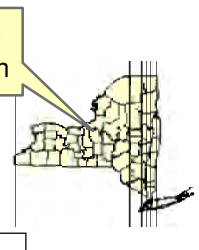
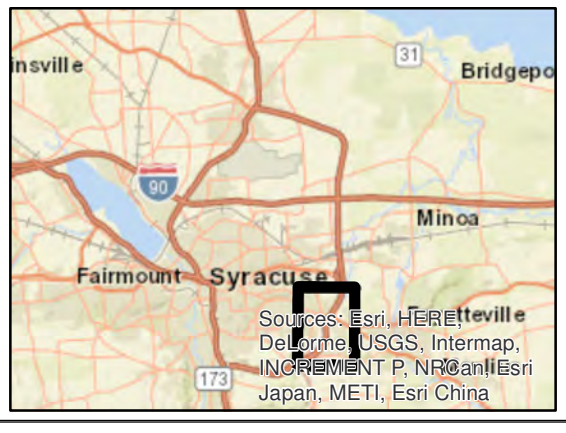
Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





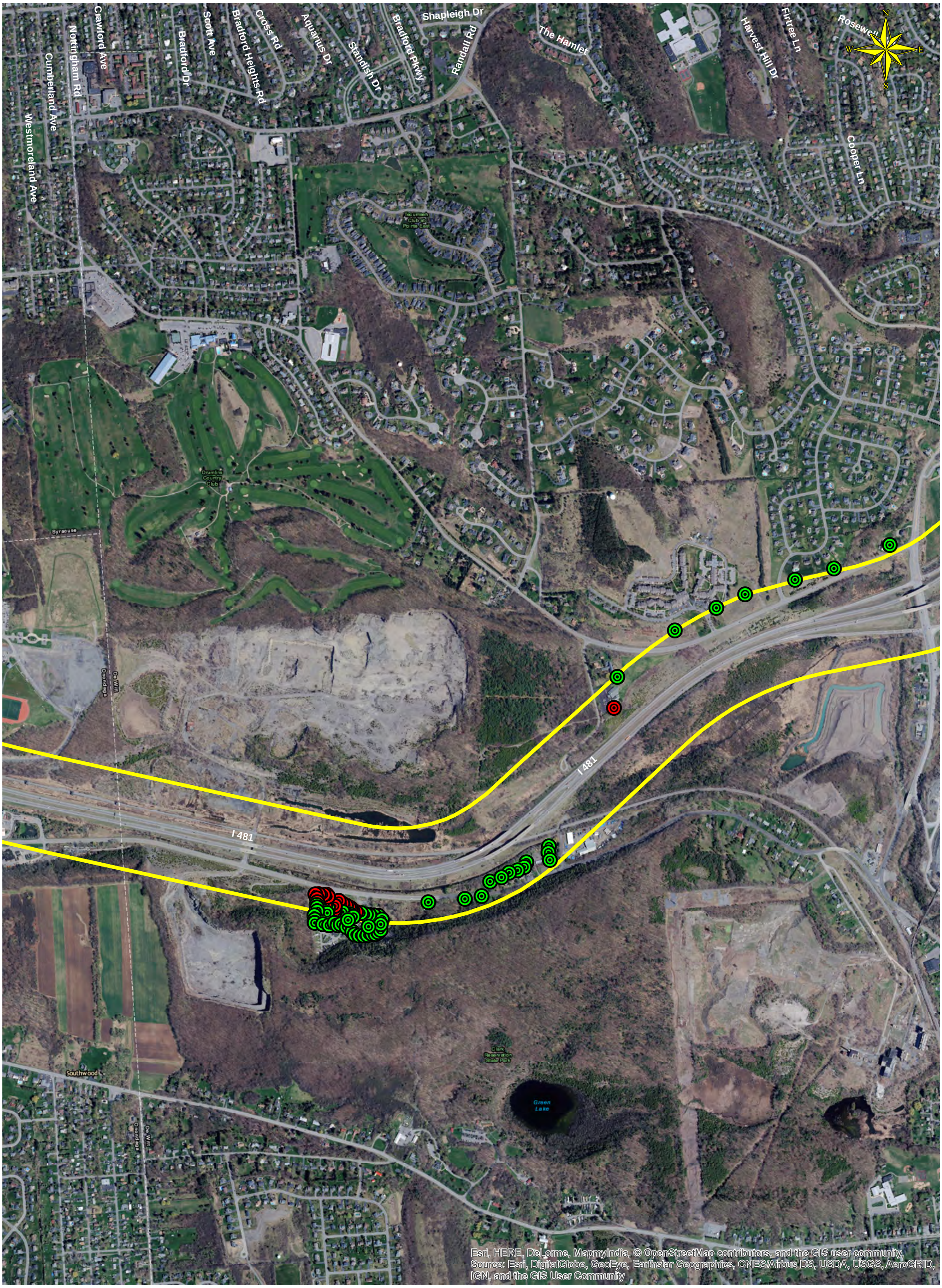
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Analysis Results (Page 8 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

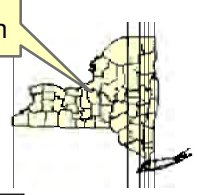
Date: 2/14/2020

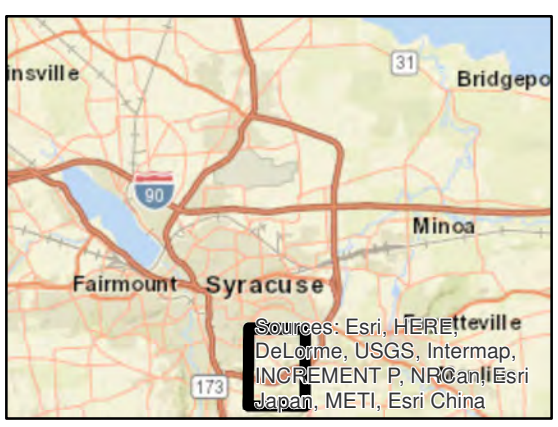


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





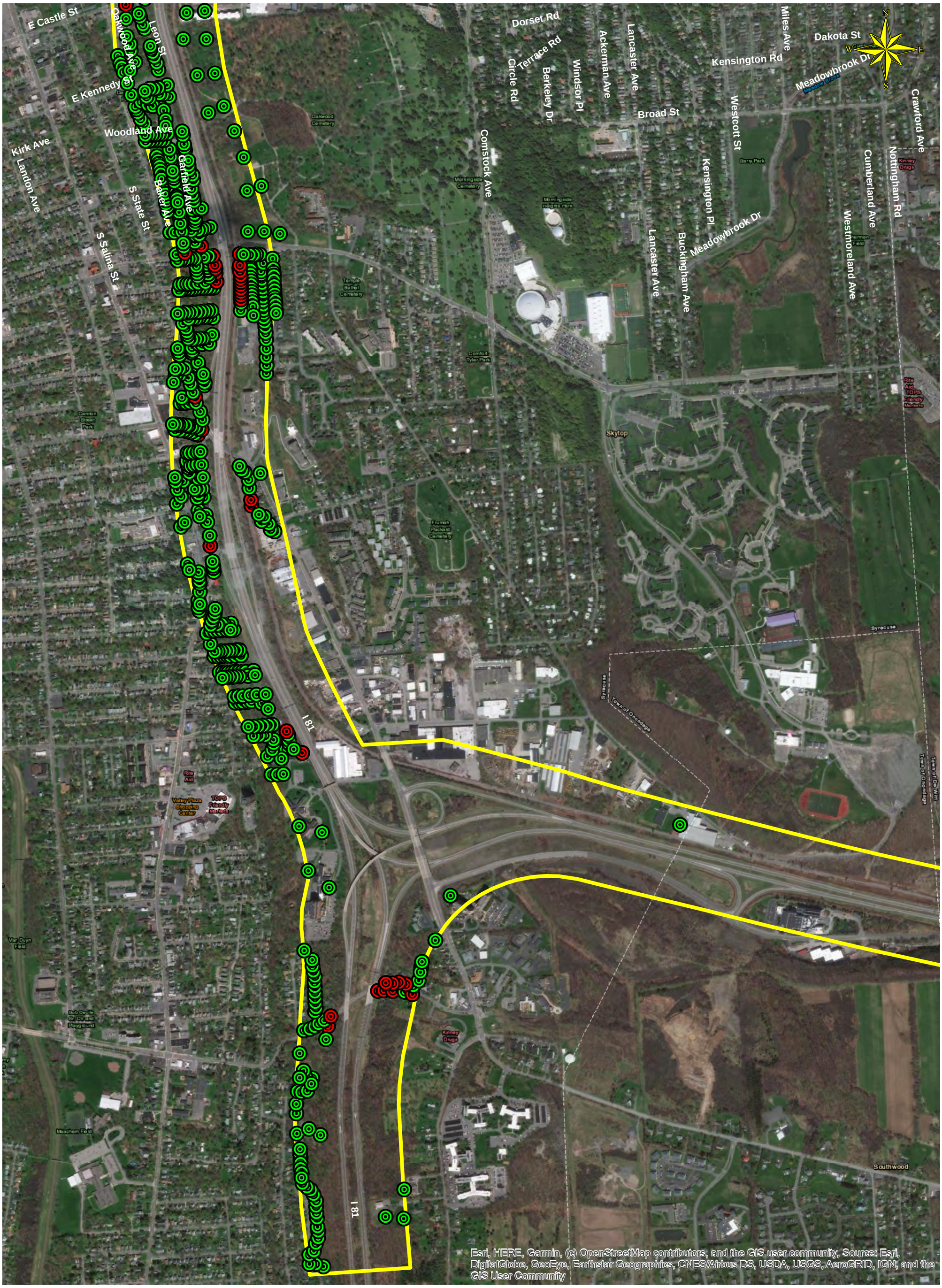
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Analysis Results (Page 9 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

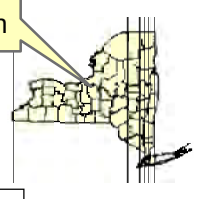
Date: 2/14/2020

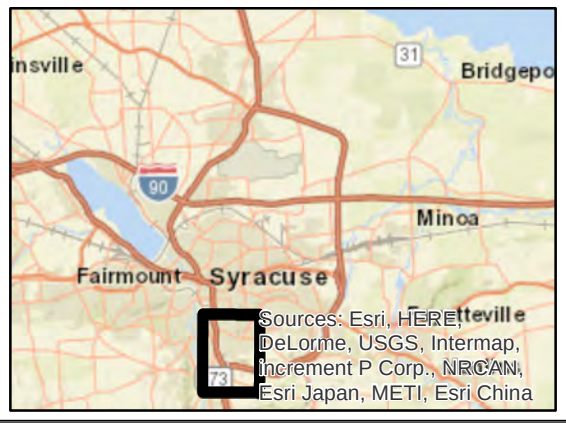


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





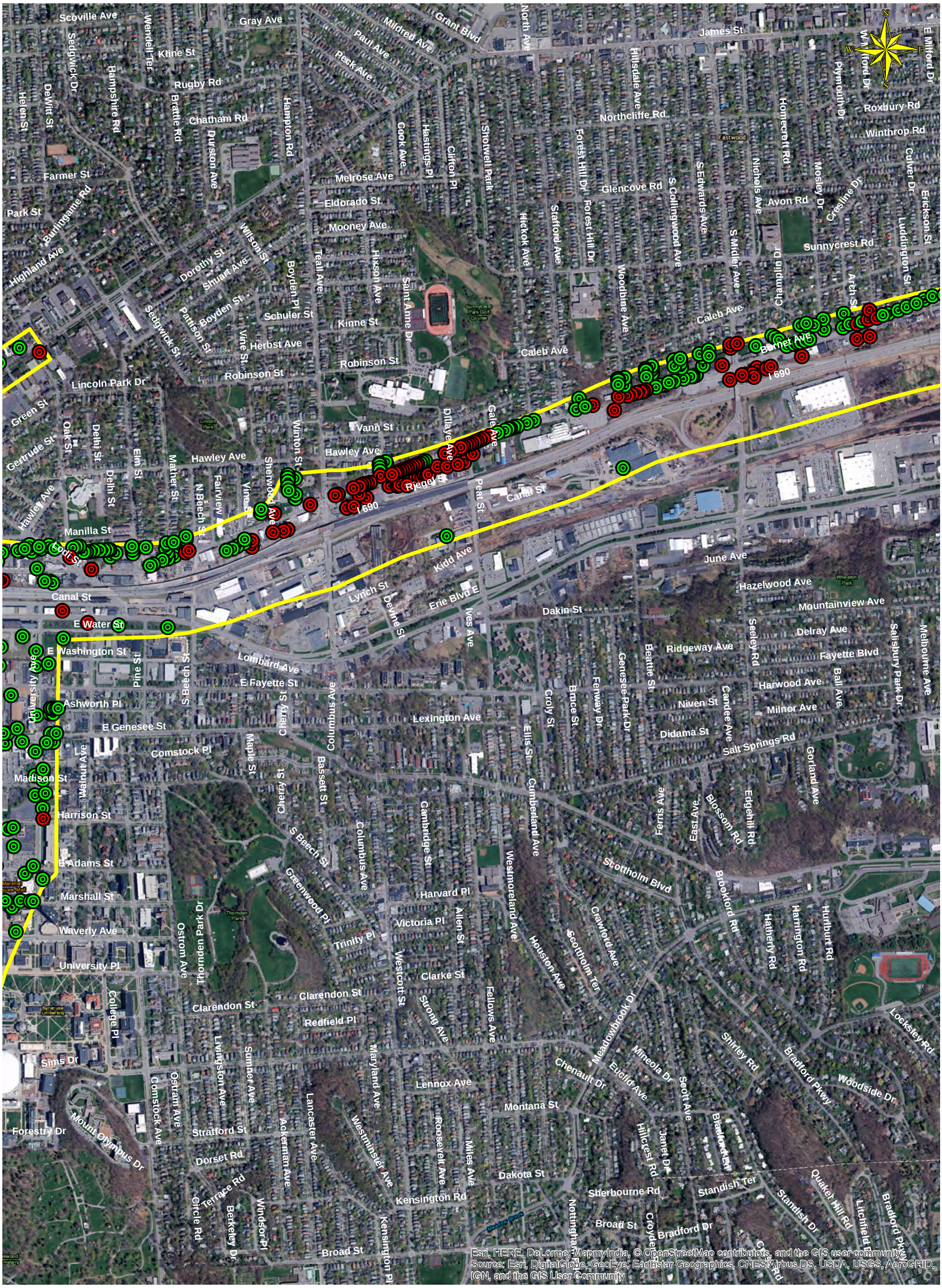
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Analysis Results (Page 10 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

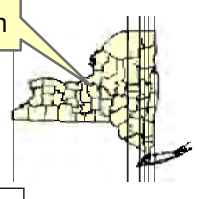
Date: 11/8/2021

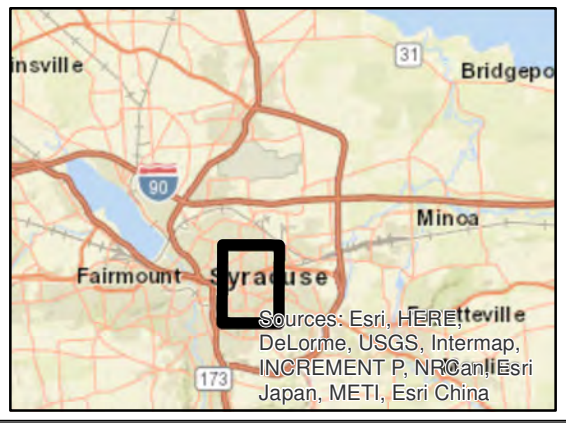


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





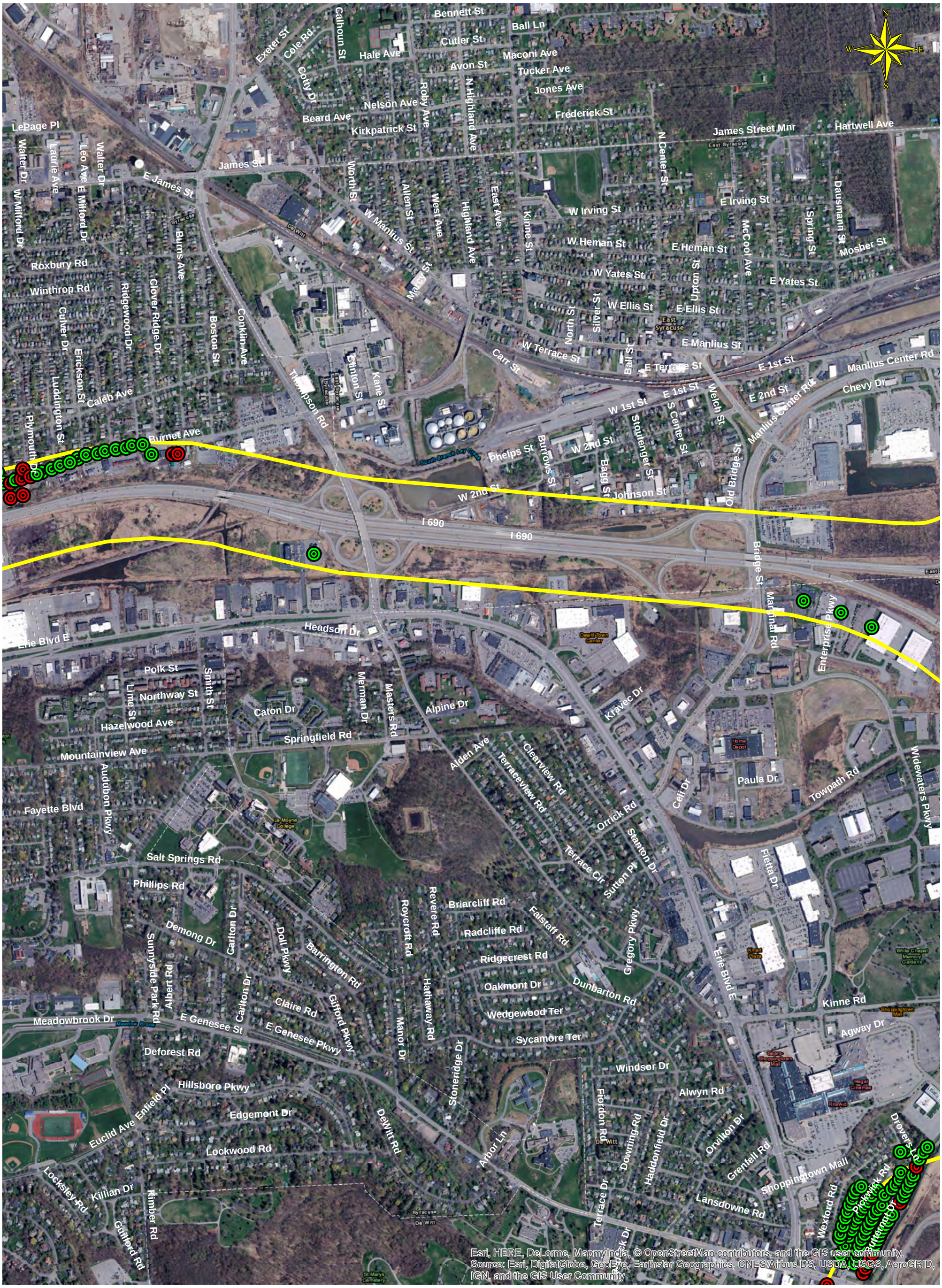
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Analysis Results (Page 11 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

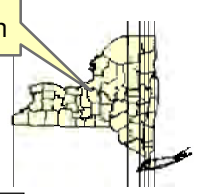
Date: 2/14/2020

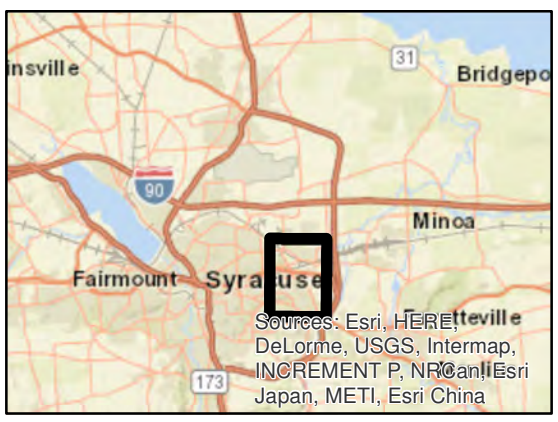


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Analysis Results (Page 12 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/14/2020

ATTACHMENT K

2050 Community Grid Alternative Conditions Noise Abatement Figures

Noise Barrier 14:
Noise Impacts = 16
Benefitted Receptors = 15
Feasible = Yes
Reasonable = Yes

Noise Barrier 22 and 23:
Noise Impacts = 37
Benefitted Receptors = 49
Feasible = Yes
Reasonable = No

Noise Barrier 13C (Partial):
Noise Impacts = 8
Benefitted Receptors = 8
Feasible = Yes
Reasonable = Yes

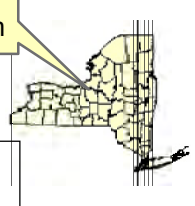
Noise Barrier 13A/B/C:
Noise Impacts = 42
Benefitted Receptors = 11
Feasible = No
Reasonable = No

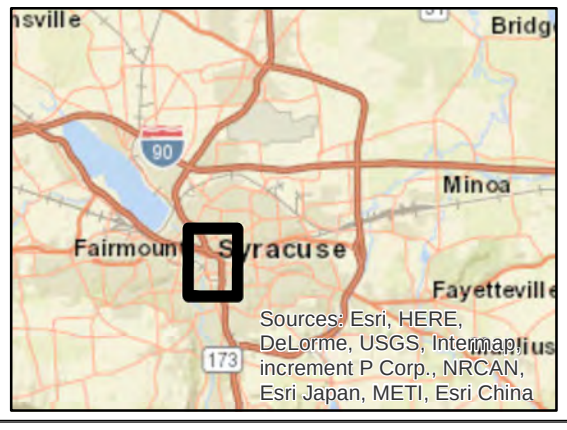
Noise Barrier 11C/D:
Noise Impacts = 12
Benefitted Receptors = 83
Feasible = Yes
Reasonable = Yes

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Inactive under this Alternative
- Project Noise Study Area Limits
- Downtown Exclusion Areas*

Project Location





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* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 550 1,100 2,200 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Barrier Analysis Results (Page 1 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 11/8/2021

Noise Barriers 16A and B:
Noise Impacts = 31
Benefitted Receptors = 69
Feasible = Yes
Reasonable = Yes

Noise Barriers 15:
Noise Impacts = 27
Benefitted Receptors = 21
Feasible = Yes
Reasonable = No

Noise Barrier 14:
Noise Impacts = 16
Benefitted Receptors = 15
Feasible = Yes
Reasonable = Yes

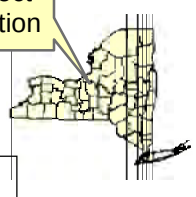
Noise Barrier 20 and 21:
Noise Impacts = 8
Benefitted Receptors = 18
Feasible = Yes
Reasonable = No

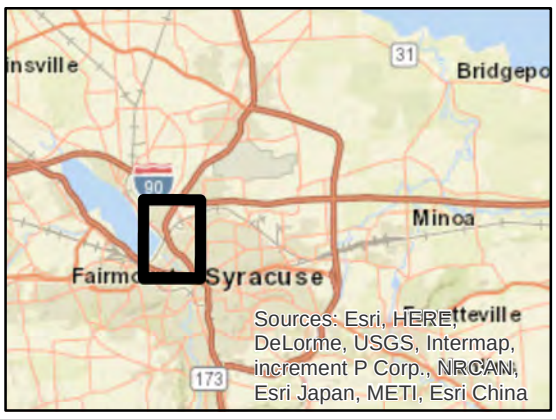
Noise Barrier 22 and 23:
Noise Impacts = 37
Benefitted Receptors = 49
Feasible = Yes
Reasonable = No

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Existing Noise Barrier
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits
- Downtown Exclusion Areas*

Project Location





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* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Barrier Analysis Results (Page 2 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 5/13/2021

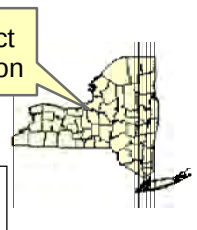
Noise Barrier 17:
Noise Impacts = 6
Benefitted Receptors = 9
Feasible = Yes
Reasonable = No

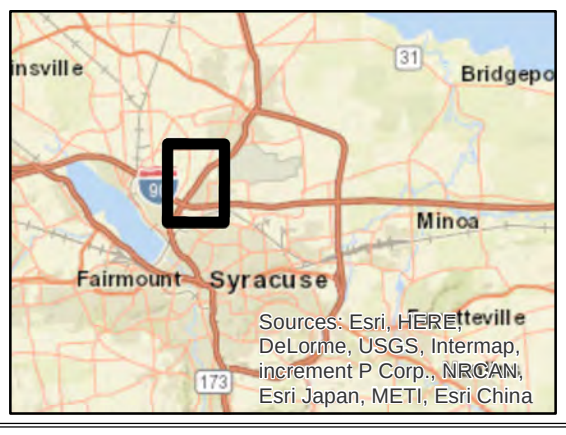
Noise Barriers 16A and B:
Noise Impacts = 31
Benefitted Receptors = 69
Feasible = Yes
Reasonable = Yes

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Existing Noise Barrier
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

Community Grid Alternative 2050
Noise Barrier Analysis Results (Page 3 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 5/13/2021

WATTS ARCHITECTURE & ENGINEERING

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Noise Barrier 3A:
Noise Impacts = 5
Benefitted Receptors = 8
Feasible = Yes
Reasonable = Yes

Noise Barrier 4B:
Noise Impacts = 18
Benefitted Receptors = 25
Feasible = Yes
Reasonable = Yes

Noise Barrier 3B:
Noise Impacts = 14
Benefitted Receptors = 27
Feasible = Yes
Reasonable = Yes

Noise Barrier 4A and Wood 1 and 2:
Noise Impacts = 8
Benefitted Receptors = 46
Feasible = NA (replacement)
Reasonable = NA (replacement)

Noise Barrier 1:
Noise Impacts = 50
Benefitted Receptors = 88
Feasible = Yes
Reasonable = Yes

Noise Barrier Wood 3:
Noise Impacts = 0
Benefitted Receptors = 11
Feasible = NA (replacement)
Reasonable = NA (replacement)

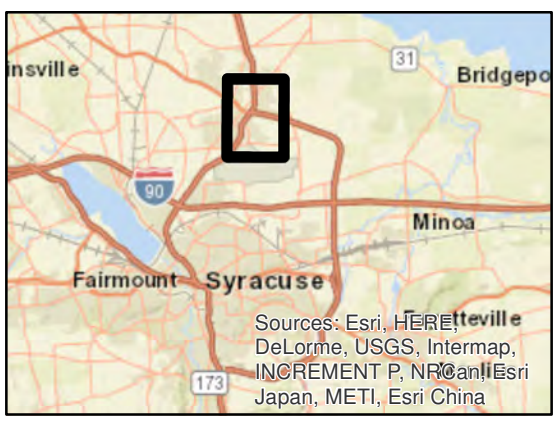
Noise Barrier Wood 4:
Noise Impacts = 4
Benefitted Receptors = 14
Feasible = NA (replacement)
Reasonable = NA (replacement)

Noise Barrier 2:
Noise Impacts = 29
Benefitted Receptors = 43
Feasible = Yes
Reasonable = Yes

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Wooden Barrier System Restoration
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location



0 650 1,300 2,600 Feet

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WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Barrier Analysis Results (Page 4 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

Noise Barrier 4A and Wood 1 and 2:
Noise Impacts = 8
Benefitted Receptors = 46
Feasible = NA (replacement)
Reasonable = NA (replacement)

Noise Barrier 5:
Noise Impacts = 4
Benefitted Receptors = 5
Feasible = Yes
Reasonable = No

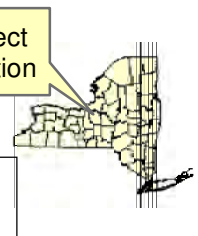
Noise Barrier Wood 4:
Noise Impacts = 4
Benefitted Receptors = 14
Feasible = NA (replacement)
Reasonable = NA (replacement)

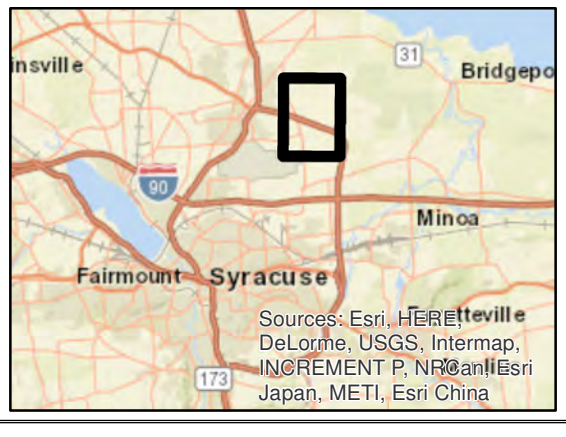
Thompson Rd
Island Rd
Northern Blvd
Totman Rd
Eastman Rd
Smith Rd
Running Ridge Rd
I 481
Wheatley Rd
Taft Park Dr
Hancock Dr
Montauk Cir
Barrington Cir
Bedford Cir
Highland Dr
Charleston Rd
Terminal Rd
E Taft Rd
Fly Rd
Schuyler Rd

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Wooden Barrier System Restoration
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

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WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Barrier Analysis Results (Page 5 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

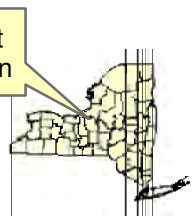
Date: 2/20/2020

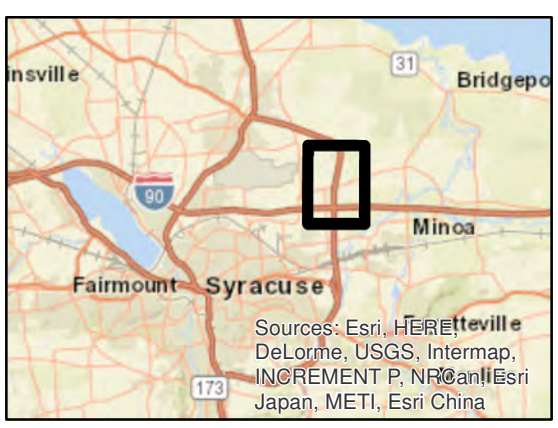
Noise Barrier 6:
Noise Impacts = 3
Benefitted Receptors = 6
Feasible = No
Reasonable = No

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

Community Grid Alternative 2050
Noise Barrier Analysis Results (Page 6 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

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Noise Barrier 7B:
Noise Impacts = 23
Benefitted Receptors = 19
Feasible = Yes
Reasonable = Yes

Noise Barrier 8B:
Noise Impacts = 17
Benefitted Receptors = 35
Feasible = Yes
Reasonable = Yes

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location

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Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China

0 650 1,300 2,600 Feet

Community Grid Alternative 2050
Noise Barrier Analysis Results (Page 7 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

WATTS ARCHITECTURE & ENGINEERING

Noise Barrier 7B:
Noise Impacts = 23
Benefitted Receptors = 19
Feasible = Yes
Reasonable = Yes

Noise Barrier 8B:
Noise Impacts = 17
Benefitted Receptors = 35
Feasible = Yes
Reasonable = Yes

Noise Barrier 7A:
Noise Impacts = 1
Benefitted Receptors = 0
Feasible = No
Reasonable = No

Noise Barrier 8A:
Noise Impacts = 5
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

Noise Barrier 19A and 19B
Noise Impacts = 8
Benefitted Receptors = 0
Feasible = No
Reasonable = No

Noise Barrier 18:
Noise Impacts = 2
Benefitted Receptors = 7
Feasible = Yes
Reasonable = No

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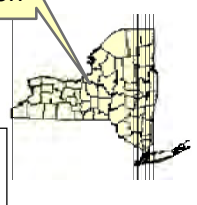
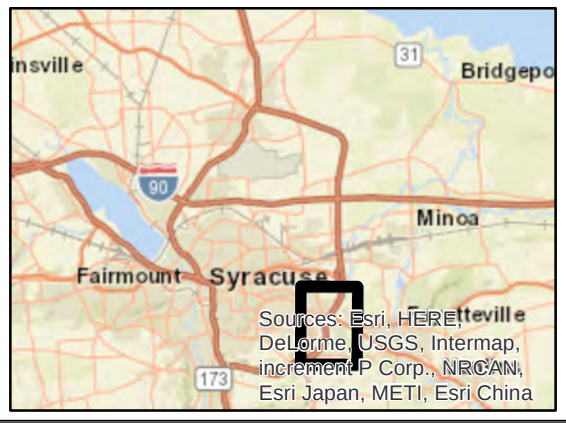
Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Barrier Analysis Results (Page 8 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

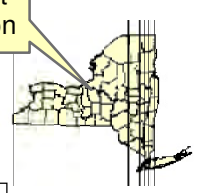
Date: 2/25/2020

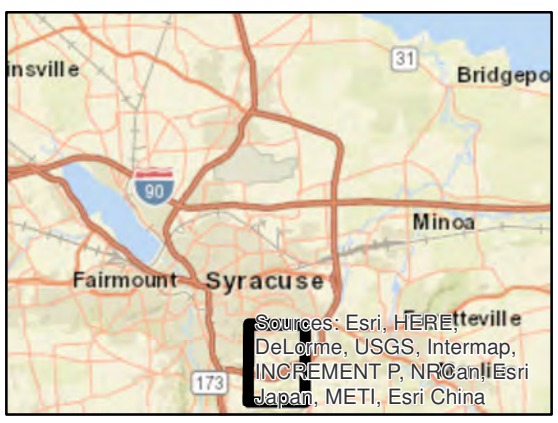
Noise Barrier 9:
Noise Impacts = 17
Benefitted Receptors = 36
Feasible = Yes
Reasonable = Yes

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location





WATTS ARCHITECTURE & ENGINEERING

0 650 1,300 2,600 Feet

Community Grid Alternative 2050
Noise Barrier Analysis Results (Page 9 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

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Noise Barrier 12B:
Noise Impacts = 12
Benefitted Receptors = 14
Feasible = Yes
Reasonable = Yes

Noise Barrier 11C/D:
Noise Impacts = 12
Benefitted Receptors = 83
Feasible = Yes
Reasonable = Yes

Noise Barrier 12C:
Noise Impacts = 2
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

Noise Barrier 11B:
Noise Impacts = 3
Benefitted Receptors = 0
Feasible = No
Reasonable = No

Noise Barrier 11A:
Noise Impacts = 3
Benefitted Receptors = 1
Feasible = No
Reasonable = No

Noise Barrier 11F:
Noise Impacts = 2
Benefitted Receptors = 0
Feasible = No
Reasonable = No

Noise Barrier 10:
Noise Impacts = 9
Benefitted Receptors = 0
Feasible = No
Reasonable = No

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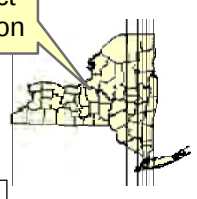
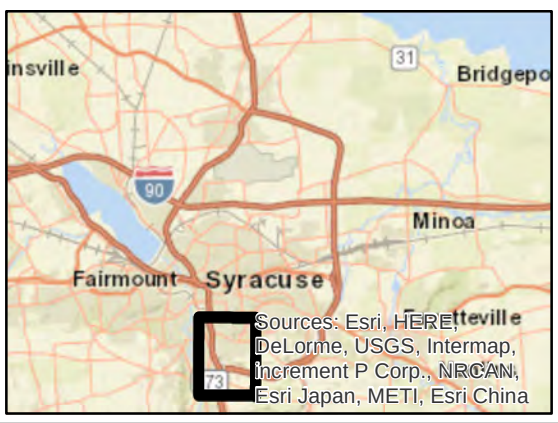
Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Barrier Analysis Results (Page 10 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 11/8/2021

Noise Barrier 13C (Partial):
Noise Impacts = 8
Benefitted Receptors = 8
Feasible = Yes
Reasonable = Yes

Noise Barrier 13A/B/C:
Noise Impacts = 42
Benefitted Receptors = 11
Feasible = No
Reasonable = No

Noise Barrier 13H:
Noise Impacts = 8
Benefitted Receptors = 8
Feasible = Yes
Reasonable = Yes

Noise Barrier 13G:
Noise Impacts = 10
Benefitted Receptors = 9
Feasible = Yes
Reasonable = No

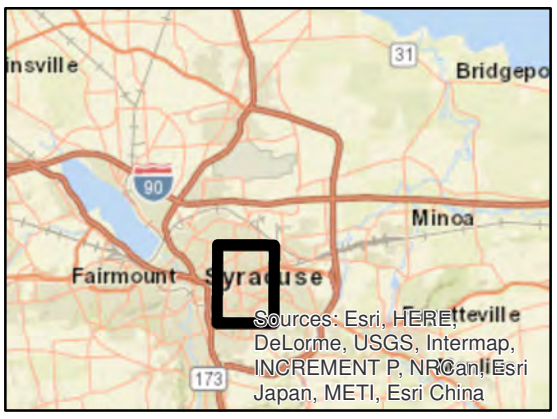
Noise Barrier 13D/E/F:
Noise Impacts = 32
Benefitted Receptors = 59
Feasible = Yes
Reasonable = Yes

Noise Barrier 13I:
Noise Impacts = 9
Benefitted Receptors = 7
Feasible = Yes
Reasonable = No

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location



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WATTS ARCHITECTURE & ENGINEERING

0 650 1,300 2,600 Feet

Community Grid Alternative 2050
Noise Barrier Analysis Results (Page 11 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

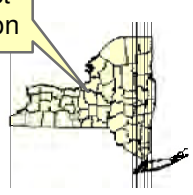
Date: 2/20/2020

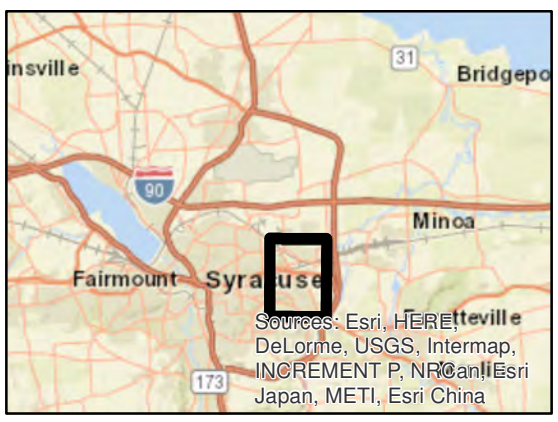
Noise Barrier 13I:
Noise Impacts = 9
Benefitted Receptors = 7
Feasible = Yes
Reasonable = No

Legend

- Noise Barrier Recommended
- Noise Barrier Not Recommended
- No Noise Impact Predicted (with proposed barriers)
- Noise Impact Predicted (with proposed barriers)
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Noise Barrier Analysis Results (Page 12 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

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ATTACHMENT L

2050 Community Grid Alternative Conditions
Modeled Noise Reduction Figures

Noise Barrier 14:
Noise Impacts = 16
Benefitted Receptors = 15
Feasible = Yes
Reasonable = Yes

Noise Barrier 22 and 23:
Noise Impacts = 37
Benefitted Receptors = 49
Feasible = Yes
Reasonable = No

Noise Barrier 13C (Partial):
Noise Impacts = 8
Benefitted Receptors = 8
Feasible = Yes
Reasonable = Yes

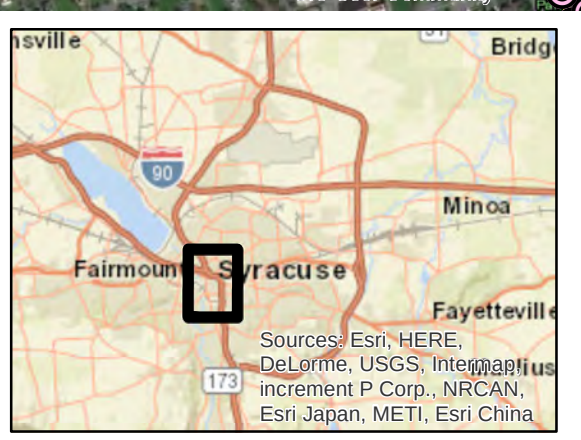
Noise Barrier 13A/B/C:
Noise Impacts = 42
Benefitted Receptors = 11
Feasible = No
Reasonable = No

Noise Barrier 11C/D:
Noise Impacts = 12
Benefitted Receptors = 83
Feasible = Yes
Reasonable = Yes

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Downtown Exclusion Areas*
- Project Noise Study Area Limits

Project Location



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* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 550 1,100 2,200 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Modeled Noise Reduction (Page 1 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 11/8/2021

Noise Barriers 16A and B:
Noise Impacts = 31
Benefitted Receptors = 69
Feasible = Yes
Reasonable = Yes

Noise Barriers 15:
Noise Impacts = 27
Benefitted Receptors = 21
Feasible = Yes
Reasonable = No

Noise Barrier 14:
Noise Impacts = 16
Benefitted Receptors = 15
Feasible = Yes
Reasonable = Yes

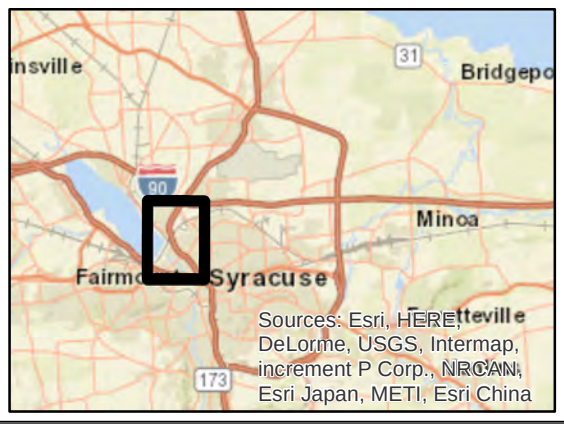
Noise Barrier 20 and 21:
Noise Impacts = 8
Benefitted Receptors = 18
Feasible = Yes
Reasonable = No

Noise Barrier 22 and 23:
Noise Impacts = 37
Benefitted Receptors = 49
Feasible = Yes
Reasonable = No

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Existing Noise Barrier
- Downtown Exclusion Areas*
- Project Noise Study Area Limits

Project Location



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* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Modeled Noise Reduction (Page 2 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 5/13/2021

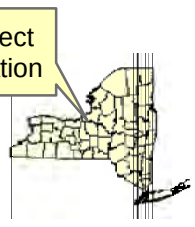
Noise Barrier 17:
Noise Impacts = 6
Benefitted Receptors = 9
Feasible = Yes
Reasonable = No

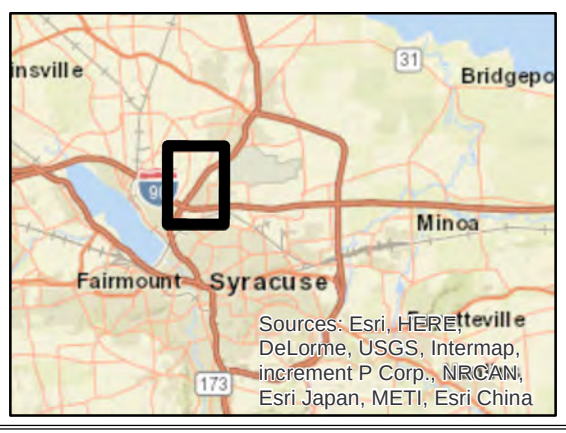
Noise Barriers 16A and B:
Noise Impacts = 31
Benefitted Receptors = 69
Feasible = Yes
Reasonable = Yes

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Existing Noise Barrier
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

Community Grid Alternative 2050
Modeled Noise Reduction (Page 3 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 5/13/2021

WATTS ARCHITECTURE & ENGINEERING

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Noise Barrier 3A:
Noise Impacts = 5
Benefitted Receptors = 8
Feasible = Yes
Reasonable = Yes

Noise Barrier 4B:
Noise Impacts = 18
Benefitted Receptors = 25
Feasible = Yes
Reasonable = Yes

Noise Barrier 3B:
Noise Impacts = 14
Benefitted Receptors = 27
Feasible = Yes
Reasonable = Yes

Noise Barrier 4A and Wood 1 and 2:
Noise Impacts = 8
Benefitted Receptors = 46
Feasible = NA (replacement)
Reasonable = NA (replacement)

Noise Barrier 1:
Noise Impacts = 50
Benefitted Receptors = 88
Feasible = Yes
Reasonable = Yes

Noise Barrier Wood 3:
Noise Impacts = 0
Benefitted Receptors = 11
Feasible = NA (replacement)
Reasonable = NA (replacement)

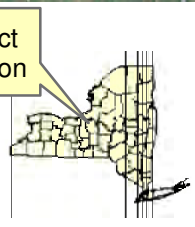
Noise Barrier Wood 4:
Noise Impacts = 4
Benefitted Receptors = 14
Feasible = NA (replacement)
Reasonable = NA (replacement)

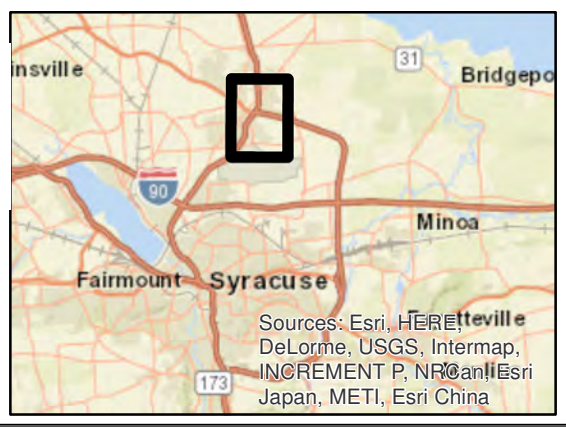
Noise Barrier 2:
Noise Impacts = 29
Benefitted Receptors = 43
Feasible = Yes
Reasonable = Yes

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Wooden Barrier System Restoration
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Modeled Noise Reduction (Page 4 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

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Noise Barrier 4A and Wood 1 and 2:
Noise Impacts = 8
Benefitted Receptors = 46
Feasible = NA (replacement)
Reasonable = NA (replacement)

Noise Barrier 5:
Noise Impacts = 4
Benefitted Receptors = 5
Feasible = Yes
Reasonable = No

Noise Barrier Wood 4:
Noise Impacts = 4
Benefitted Receptors = 14
Feasible = NA (replacement)
Reasonable = NA (replacement)

Thompson Rd
Island Rd
Northern Blvd
Totman Rd
Eastman Rd
Smith Rd
I 481
Running Ridge Rd
Wheatley Rd
Taft Park Dr
Hancock Dr
Montauk Cir
Barrington Cir
Bedford Cir
Highland Dr
Charleston Rd
Terminal Rd
E Taft Rd
Fly Rd
Schuyler Rd
Cicero
De Witt

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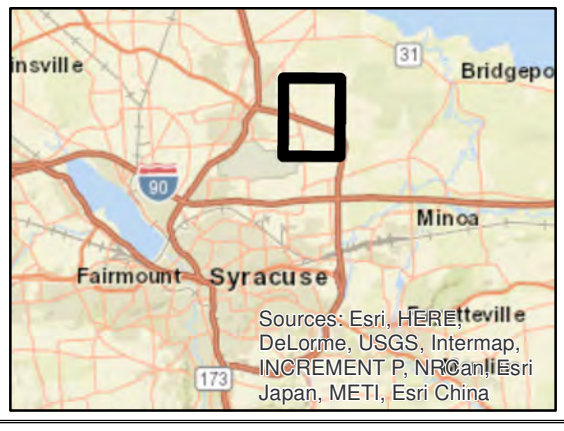
Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Wooden Barrier System Restoration
- Project Noise Study Area Limits

Project Location



0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Modeled Noise Reduction (Page 5 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

Noise Barrier 6:
Noise Impacts = 3
Benefitted Receptors = 6
Feasible = No
Reasonable = No

E Taft Rd
All Nations Blvd
Bastable Rd
Cicero
Manlius
Maxwell Park
North Branch Ley Creek
I 481
Badgley Rd
Fly Rd
Airways Park Dr
Canada Dr
Collamer Rd
Collamer
Britonfield Pkwy
Collamer Crossing Pkwy
Sand Hill Rd
Law Dr
Hazelnut Cir
Russell Ln
Kame Way
Schuyler Rd
Emilie Ln
Temple Dr
Loucks Rd
Fremont Rd
I 90
Myers Rd
Manlius
DeWitt
Polkville
New Venture Gear Dr
Fair Lakes Rd
Chrysler
Pheasant Rd
Technology Pl

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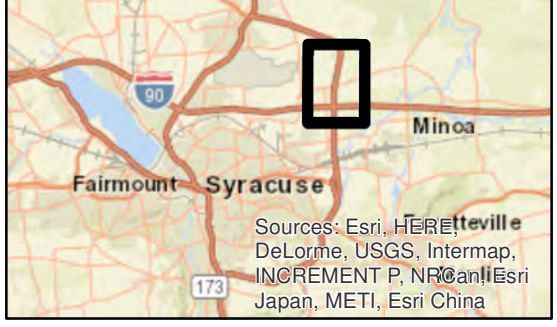
Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location



0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Modeled Noise Reduction (Page 6 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

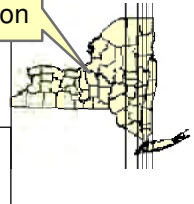
Noise Barrier 7B:
Noise Impacts = 23
Benefitted Receptors = 19
Feasible = Yes
Reasonable = Yes

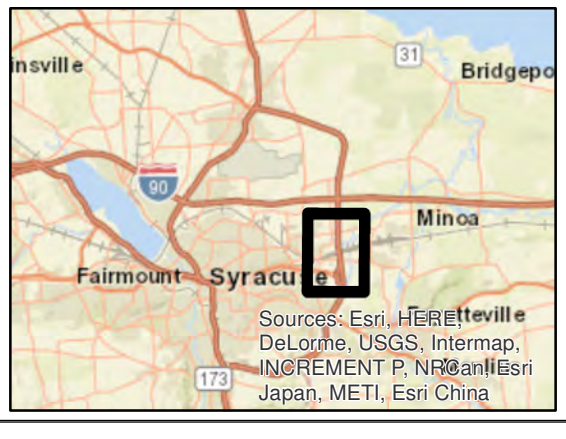
Noise Barrier 8B:
Noise Impacts = 17
Benefitted Receptors = 35
Feasible = Yes
Reasonable = Yes

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Modeled Noise Reduction (Page 7 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

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Noise Barrier 7B:
Noise Impacts = 23
Benefitted Receptors = 19
Feasible = Yes
Reasonable = Yes

Noise Barrier 8B:
Noise Impacts = 17
Benefitted Receptors = 35
Feasible = Yes
Reasonable = Yes

Noise Barrier 7A:
Noise Impacts = 1
Benefitted Receptors = 0
Feasible = No
Reasonable = No

Noise Barrier 8A:
Noise Impacts = 5
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

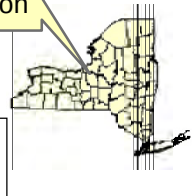
Noise Barrier 19A and 19B:
Noise Impacts = 8
Benefitted Receptors = 0
Feasible = No
Reasonable = No

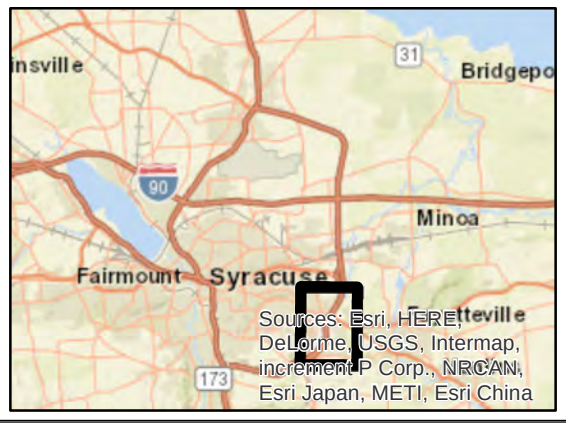
Noise Barrier 18:
Noise Impacts = 2
Benefitted Receptors = 7
Feasible = Yes
Reasonable = No

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location





Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China

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0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Modeled Noise Reduction (Page 8 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

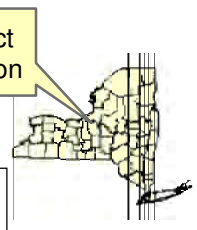
Date: 2/25/2020

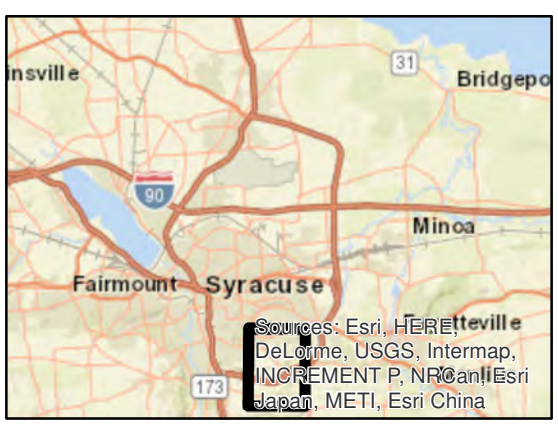
Noise Barrier 9:
Noise Impacts = 17
Benefitted Receptors = 36
Feasible = Yes
Reasonable = Yes

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Modeled Noise Reduction (Page 9 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

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Noise Barrier 12B:
Noise Impacts = 12
Benefitted Receptors = 14
Feasible = Yes
Reasonable = Yes

Noise Barrier 11C/D:
Noise Impacts = 12
Benefitted Receptors = 83
Feasible = Yes
Reasonable = Yes

Noise Barrier 12C:
Noise Impacts = 2
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

Noise Barrier 11B:
Noise Impacts = 3
Benefitted Receptors = 0
Feasible = No
Reasonable = No

Noise Barrier 11A:
Noise Impacts = 3
Benefitted Receptors = 1
Feasible = No
Reasonable = No

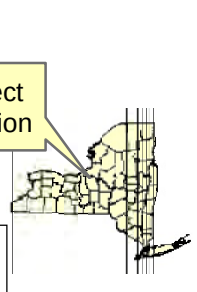
Noise Barrier 11F:
Noise Impacts = 2
Benefitted Receptors = 0
Feasible = No
Reasonable = No

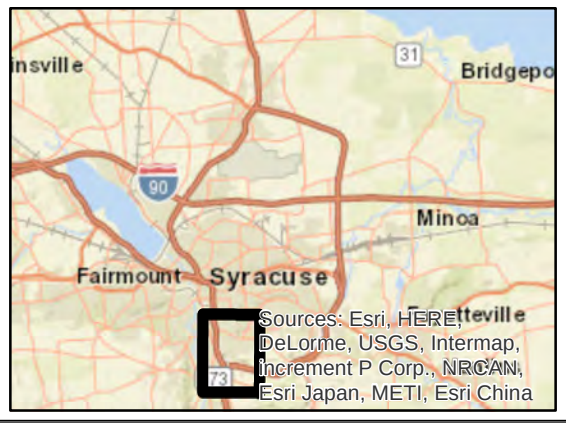
Noise Barrier 10:
Noise Impacts = 9
Benefitted Receptors = 0
Feasible = No
Reasonable = No

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

Community Grid Alternative 2050
Modeled Noise Reduction (Page 10 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 11/8/2021

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Noise Barrier 13C (Partial):
Noise Impacts = 8
Benefitted Receptors = 8
Feasible = Yes
Reasonable = Yes

Noise Barrier 13A/B/C:
Noise Impacts = 42
Benefitted Receptors = 11
Feasible = No
Reasonable = No

Noise Barrier 13H:
Noise Impacts = 8
Benefitted Receptors = 8
Feasible = Yes
Reasonable = Yes

Noise Barrier 13G:
Noise Impacts = 10
Benefitted Receptors = 9
Feasible = Yes
Reasonable = No

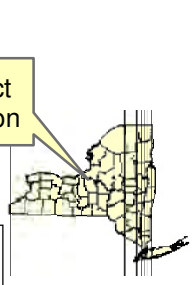
Noise Barrier 13D/E/F:
Noise Impacts = 32
Benefitted Receptors = 59
Feasible = Yes
Reasonable = Yes

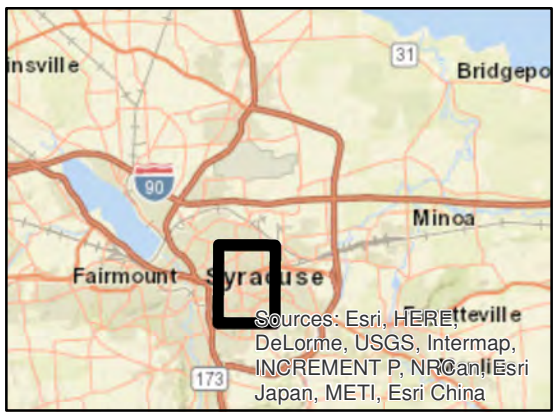
Noise Barrier 13I:
Noise Impacts = 9
Benefitted Receptors = 7
Feasible = Yes
Reasonable = No

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Modeled Noise Reduction (Page 11 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

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Noise Barrier 13I:
Noise Impacts = 9
Benefitted Receptors = 7
Feasible = Yes
Reasonable = No

Legend

- Equal or Greater than 10 dBA
- Equal or Greater than 7 to Less than 10 dBA
- Equal or Greater than 5 to Less than 7 dBA
- Below 5 dBA
- Noise Barrier Recommended
- Noise Barrier Not Recommended
- Project Noise Study Area Limits

Project Location

0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Community Grid Alternative 2050
Modeled Noise Reduction (Page 12 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 2/20/2020

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ATTACHMENT M

2050 Community Grid Alternative Conditions Noise Abatement Barrier Location Coordinates and Dimensions Tables

Tables: Community Grid Alternative Noise Abatement Barrier Location Coordinates and Dimensions

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Noise Barrier 1						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point3816	1099	944699.10	1144913.60	400	--	12
point3817	1101	944727.70	1144815.40	397	102.28	
point3977	1102	944737.00	1144773.30	396	43.11	
point3978	1103	944781.00	1144568.80	390	209.18	
point3979	1104	944798.10	1144498.90	387.4	71.96	
point3980	1105	944731.20	1144400.00	388.3	119.40	
point3981	1106	944734.10	1144373.80	387.9	26.36	
point3982	1107	944749.30	1144234.30	388.2	140.33	
point3982	1107	944749.30	1144234.30	388.2	0.00	14
point3983	1108	944760.00	1144134.60	388.7	100.27	
point3984	1109	944774.10	1144002.60	388.5	132.75	
point3985	1110	944784.90	1143900.90	390.4	102.27	
point3986	1111	944766.70	1143874.90	390.8	31.74	
point3986	1111	944766.70	1143874.90	390.8	0.00	
point3987	1112	944713.60	1143800.10	392.5	91.73	12
point3988	1113	944617.00	1143663.30	395.7	167.47	
point3989	1114	944498.00	1143492.90	406.6	207.84	
point3990	1115	944488.00	1143478.60	408.6	17.45	
point3996	1116	944489.90	1143459.80	408.5	18.90	
point3992	1117	944382.80	1143320.80	408.4	175.47	
point3993	1118	944387.70	1143282.00	407.4	39.11	
point3994	1119	944357.80	1143243.50	406.8	48.75	
point3995	1120	944274.40	1143132.80	407.1	138.60	
point839	1121	944274.40	1143112.30	413	20.50	
point840	1122	944253.90	1143083.30	414	35.51	
point842	1123	944218.30	1143029.30	415	64.68	
point843	1124	944174.90	1142949.30	416	91.01	
point844	1125	944122.70	1142834.30	416	126.29	
point845	1126	944065.20	1142688.90	416	156.36	
point846	1127	944010.90	1142561.80	415	138.21	
point847	1128	943974.30	1142442.40	414	124.88	
point848	1129	943938.70	1142282.80	412	163.52	
point850	1130	943916.90	1142134.60	410	149.79	
point851	1131	943909.20	1142034.30	407	100.60	
point852	1132	943908.70	1141823.30	405	211.00	
point854	1133	943928.70	1141426.80	407	397.00	
point855	1134	943932.80	1141240.50	407	186.35	
point856	1135	943923.20	1141033.50	407	207.22	
Total SF		50629				

Noise Barrier 2						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point865	1161	943944.90	1140391.10	408	--	
point866	1162	944004.60	1140622.50	408	238.98	

point868	1163	944025.00	1140727.80	409	107.26	12
point869	1164	944054.90	1140947.40	409	221.63	
point870	1165	944067.10	1141143.00	409	195.98	
point872	1166	944068.40	1141220.30	408	77.31	
point1557	1167	944055.20	1141551.30	405	331.26	
point873	1168	944042.30	1141785.30	405	234.36	
point1254	1255	944045.80	1141937.80	406.5	152.54	
point1258	1258	944045.80	1141937.80	406.5	0.00	
point1259	1259	944066.90	1141938.50	399	21.11	
point1256	1256	944077.20	1141938.30	405	10.30	
point1257	1257	944133.30	1141941.40	406.31	56.19	
point1253	1253	944192.40	1141943.10	406.1	59.12	
Total SF		20472				

Noise Barrier 3A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point910	1185	946287.60	1150033.50	400.00	--	12
point10205	1250	946309.40	1149717.30	399.00	316.95	
point10206	1251	946330.10	1149399.50	396.00	318.47	
point911	1186	946366.40	1148843.30	390.00	557.38	
Total SF		14314				

Noise Barrier 3B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point10184	1189	946413.30	1147726.60	391.00	--	14
point10185	1190	946457.90	1147061.80	399.00	666.29	
point10176	1191	946457.30	1146859.00	398.00	202.80	
point10177	1192	946455.80	1146749.80	398.00	109.21	
point10178	1193	946450.20	1146645.80	397.00	104.15	
point10179	1194	946439.60	1146534.00	396.00	112.30	
point10180	1195	946433.60	1146486.00	396.00	48.37	
point3957	1196	946412.10	1146352.30	394.00	135.42	
point3958	1197	946366.90	1146192.30	392.00	166.26	
point3959	1198	946334.70	1146126.90	391.00	72.90	
point3960	1199	946300.70	1146071.30	390.00	65.17	
point3961	1200	946224.90	1145975.80	389.00	121.93	
point3962	1201	946124.70	1145886.00	390.00	134.55	
point3963	1202	946057.20	1145840.90	390.00	81.18	
point3964	1203	945993.90	1145807.30	389.00	71.66	
point3965	1204	945748.30	1145702.10	385.00	267.18	
Total SF		33031				

Noise Barrier 4A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**

point13	1219	948175.50	1144762.90	408.00	--	10
point3923	1221	948032.70	1144783.50	401.00	144.28	
point3923	1221	948032.70	1144783.50	401.00	0.00	12
point3924	1222	947869.70	1144846.30	398.00	174.68	
point3925	1223	947723.30	1144917.40	396.00	162.75	
point3926	1224	947591.60	1144994.50	394.00	152.61	
point3927	1225	947451.20	1145092.80	392.00	171.39	
point3928	1226	947297.20	1145223.30	391.00	201.86	
point3929	1227	947175.20	1145347.80	391.00	174.31	
point3930	1228	947067.90	1145477.90	392.00	168.64	
point3931	1229	946955.20	1145643.30	393.00	200.15	
point10126	1230	946877.50	1145782.40	394.00	159.33	
point3932	1231	946825.00	1145894.10	394.00	123.42	
point3933	1232	946762.10	1146058.60	395.00	176.12	
point3933	1232	946762.10	1146058.60	395.00	0.00	14
point10127	1233	946731.10	1146160.60	396.00	106.61	
point3939	1234	946705.40	1146264.80	397.00	107.32	
point3935	1235	946671.90	1146466.30	398.00	204.27	
point3936	1236	946649.50	1146749.10	399.00	283.69	
Total SF		33652				
Noise Barrier Wood 1&2						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point284	7	952807.20	1143681.80	415.00	--	12
point283	6	952669.40	1143702.90	416.00	139.41	
point282	5	952535.20	1143734.50	420.00	137.87	
point281	4	952251.80	1143801.60	424.00	291.24	
point280	3	951781.80	1143905.70	427.00	481.39	
point279	2	951736.90	1143892.80	423.00	46.72	
point7	1	951589.40	1143925.30	425.00	151.04	
point7	7	951589.40	1143925.30	425.00	0.00	12
point8	8	951558.90	1143956.10	428.00	43.35	
point71	71	951082.40	1144066.90	425.00	489.21	
point227	227	950945.30	1144100.50	423.00	141.16	
point228	228	950805.70	1144133.40	423.00	143.42	
point229	229	950663.60	1144165.30	421.00	145.64	
point230	230	950523.90	1144198.00	419.00	143.48	
point231	231	950384.30	1144230.90	417.00	143.42	
point232	232	950244.60	1144263.60	415.00	143.48	
point233	233	950105.00	1144296.40	415.00	143.40	
point234	234	949965.40	1144329.10	417.00	143.38	
point235	235	949825.80	1144362.00	417.00	143.42	
point236	236	949686.10	1144394.80	415.00	143.50	
point237	237	949546.40	1144427.50	418.00	143.48	
point238	238	949406.80	1144460.40	418.00	143.42	
point9	9	949267.20	1144493.10	420.00	143.38	
point10	10	949223.50	1144482.60	413.00	44.94	
point10	290	949223.50	1144482.60	413.00	0.00	

point290	1260	949074.30	1144519.00	413.00	153.58	12
point12	12	949043.20	1144544.30	419.00	40.09	
point12	12	949043.20	1144544.30	419.00	0.00	10
point72	72	948791.10	1144608.90	417.00	260.25	
point72	72	948791.10	1144608.90	417.00	0.00	8
point13	13	948175.50	1144762.90	408.00	634.57	
Total SF		54280				

Noise Barrier Wood 3						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point14	14	948835.40	1144408.60	410	--	14
point73	73	948748.10	1144428.60	409	89.56	
point74	74	948381.90	1144509.30	405	374.99	
point15	15	947784.50	1144640.90	401	611.72	
point16	16	947331.90	1144711.80	402	458.12	
point17	17	947146.90	1144715.60	403	185.04	
point18	18	946930.40	1144664.50	404	222.45	
point291	291	946796.50	1144606.60	405	145.88	
point292	292	946292.60	1144375.30	401	554.45	
point293	293	946063.10	1144271.30	397	251.96	
point1253	1253	945970.00	1144227.50	395	102.89	
Total SF		41959				

Noise Barrier Wood 4						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point85	85	950339.20	1144071.50	410	--	14
point86	86	951037.00	1143908.30	418	716.63	
point87	87	951567.80	1143783.80	423	545.21	
point88	88	951601.80	1143781.00	423	34.12	
point286	286	951747.80	1143747.50	423	149.79	
point287	287	951762.80	1143735.80	423	19.02	
point288	288	952198.40	1143632.40	417	447.70	
Total SF		26775				

Noise Barrier 4B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point1551	1253	946552.70	1148195.60	387.00	--	14
point1268	1268	946572.00	1148207.10	387.00	22.47	
point1269	1269	946553.20	1148426.10	387.00	219.81	
point1270	1270	946530.70	1148705.90	387.00	280.70	
point1271	1271	946563.40	1148749.30	388.00	54.34	
point1272	1272	946553.40	1148893.40	390.00	144.45	
point1273	1273	946492.00	1148954.90	390.00	86.90	
point1274	1274	946462.30	1149409.60	396.00	455.67	

point1275	1275	946440.00	1149729.80	399.00	320.98	
point1276	1276	946419.10	1150039.80	400.00	310.70	
point1277	1279	946462.90	1150275.40	400.00	239.64	
point1267	1267	946449.60	1150557.30	397.00	282.21	
point1266	1266	946436.30	1150839.10	395.00	282.11	
Total SF		37800				

Noise Barrier 5						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 1140		958187.10	1141546.00	410.25	--	
pt 1139		958679.40	1141368.10	410.5	523.46	
pt 3359		959663.90	1141012.50	411	1046.75	12
pt 3360		960569.80	1140685.10	414	963.25	
pt 1141		960825.00	1140592.10	413	271.62	
Total SF		33661				

Noise Barrier 6						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 1038	1127	962797.60	1136654.80	420	--	
pt 1534	1128	962838.90	1136869.80	425	218.93	
pt 1040	1129	962866.50	1137012.50	428	145.34	
pt 1041	1130	962878.60	1137076.30	430	64.94	
pt 1535	1131	962918.60	1137286.30	435	213.78	
pt 1042	1132	962965.80	1137574.30	440	291.84	
pt 1043	1133	962981.70	1137736.10	440	162.58	20
pt 1045	1134	962986.60	1137797.10	441	61.20	
pt 1046	1135	962987.40	1138004.10	441	207.00	
pt 1048	1136	962982.30	1138107.30	440	103.33	
pt 1049	1137	962978.00	1138164.00	440	56.86	
pt 1050	1138	962912.50	1138576.00	434	417.17	
pt 1051	1139	962881.10	1138698.80	430	126.75	
Total SF		41394				

Noise Barrier 7A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point1040	1040	962221.90	1109318.90	434.25	--	
point1037	1037	962193.80	1109232.90	433.50	90.47	
point497	1032	962153.50	1109045.50	432.00	191.68	
point498	1033	962051.50	1108812.30	430.00	254.53	20
point500	1034	961921.00	1108567.80	428.00	277.15	
point1526	1035	961759.70	1108303.00	425.00	310.06	
point1042	1042	961643.10	1108112.60	425.00	223.27	
Total SF		26943				

Noise Barrier 7B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point2463	1022	962215.60	1111234.60	422.00	--	
point2464	1023	962282.70	1110999.10	422.00	244.87	
point2465	1024	962316.40	1110842.80	422.00	159.89	
point488	1025	962341.20	1110697.10	422.00	147.80	
point489	1026	962360.20	1110539.80	424.00	158.44	
point490	1027	962373.20	1110336.60	427.00	203.62	16
point491	1028	962373.10	1110107.30	430.00	229.30	
point493	1029	962367.80	1110005.00	432.00	102.44	
point494	1030	962344.00	1109776.80	435.00	229.44	
point495	1031	962265.80	1109389.10	435.00	395.51	
point1039	1039	962251.80	1109346.30	434.63	45.03	
Total SF		30661				

Noise Barrier 8A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point2078	1037	961135.20	1105950.00	431.00	--	
point2078-2	1038	961109.90	1106360.60	428.50	411.38	
point2079	1039	961084.10	1106771.10	426.00	411.31	
point2080	1040	961096.90	1106876.90	427.00	106.57	
point2081	1041	961127.70	1106968.80	427.00	96.92	
point454	1042	961234.00	1107156.00	426.00	215.28	
point1521	1043	961434.20	1107483.50	425.00	383.84	
point1521-2	1044	961653.20	1107857.00	425.00	432.97	12
point1522	1045	961878.50	1108226.80	425.00	433.03	
point455	1046	962006.00	1108436.40	427.00	245.33	
point457	1047	962093.40	1108585.30	429.00	172.66	
point458	1048	962183.00	1108760.60	430.00	196.87	
point460	1049	962249.30	1108908.40	432.00	161.99	
point461	1050	962320.90	1109092.60	433.00	197.63	
point421	1051	962397.20	1109211.30	429.00	141.11	
Total SF		43283				

Noise Barrier 8B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point1064	1064	962439.20	1109514.60	436.00	--	
point465	1053	962461.00	1109613.10	436.00	100.88	12
point466	1054	962494.30	1109825.50	434.00	214.99	
point466	1054	962494.30	1109825.50	434.00	0.00	
point468	1055	962531.60	1110081.00	430.00	258.21	
point470	1056	962550.60	1110210.80	428.00	131.18	
point1523	1057	962582.90	1110428.80	425.00	220.38	
point2527	1058	962640.00	1110824.10	425.00	399.40	14

point2528	1059	962662.40	1110975.50	425.00	153.05	
point2529	1060	962693.70	1111190.80	430.00	217.56	
point2530	1061	962741.50	1111519.30	436.00	331.96	
point2531	1063	962789.40	1111844.90	440.00	329.10	
Total SF		32362				

Noise Barrier 9						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	994	948815.40	1094775.00	580.00	--	
	995	949012.20	1094731.60	580.00	201.53	
	996	949398.70	1094646.60	582.00	395.74	
	997	949692.90	1094583.40	584.00	300.91	12
	998	949936.30	1094547.00	585.00	246.11	
	999	950146.50	1094535.60	586.00	210.51	
	1000	950434.70	1094551.10	587.00	288.62	
Total SF		19721				

Noise Barrier 10						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 9690	1031	940283.10	1093887.00	624.00	--	
pt 9691	1032	940308.10	1094188.10	615.00	302.14	
pt 9692	1033	940325.60	1094397.90	610.00	210.53	
pt 9693	1034	940336.90	1094533.80	605.00	136.37	
pt 9694	1035	940347.00	1094632.50	604.00	99.22	20
pt 9695	1036	940362.70	1094733.30	600.00	102.02	
pt 9696	1037	940382.50	1094827.10	597.00	95.87	
pt 9697	1038	940408.40	1094924.60	595.00	100.88	
pt 9698	1039	940439.00	1095019.30	592.00	99.52	
Total SF		22931				

Noise Barrier 11A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	1226	938640.20	1099397.80	432.00	--	
	1227	938689.50	1099248.50	435.00	157.23	
	1228	938725.20	1099142.90	440.00	111.47	
	1229	938760.90	1099056.60	445.00	93.39	
	1230	938801.60	1098969.80	450.00	95.87	
	1231	938853.20	1098860.90	456.00	120.51	
	1232	938903.40	1098750.80	461.00	121.00	
	1233	938959.40	1098622.30	465.00	140.17	
	1234	939035.70	1098430.30	471.00	206.61	20
	1235	939099.50	1098274.80	476.00	168.08	
	1236	939172.80	1098102.80	480.00	186.97	
	1237	939267.60	1097899.40	486.00	224.41	

	1238	939583.50	1097289.50	504.00	686.86	
	1239	939688.30	1097081.80	508.00	232.64	
	1240	939793.40	1096870.30	510.00	236.17	
	1241	939863.30	1096727.50	511.00	158.99	
Total SF		58807				

Noise Barrier 11B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	1019	938634.20	1101770.30	470.00	--	20
	1020	938610.00	1101493.30	475.00	278.06	
	1021	938594.40	1101272.50	477.00	221.35	
	1022	938591.50	1100878.00	480.00	394.51	
	1023	938594.50	1100710.30	480.00	167.73	
	1024	938596.40	1100603.40	480.00	106.92	
	1025	938604.60	1100413.80	479.00	189.78	
	1026	938623.40	1100202.30	475.00	212.33	
	1027	938652.10	1099972.30	470.00	231.78	
	1028	938670.70	1099846.60	467.00	127.07	
	1029	938688.80	1099738.80	466.00	109.31	
	1030	938729.70	1099550.10	461.00	193.08	
	1031	938765.20	1099385.60	458.00	168.29	
	1032	938816.50	1099155.30	457.00	235.94	
	1033	938845.70	1099048.10	457.00	111.11	
	1034	938909.70	1098829.30	460.00	227.97	
Total SF		59504				

Noise Barrier 11C/D						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	1176	937987.20	1105377.80	418.80	--	20
	1178	938004.30	1105315.30	419.85	64.80	
	1179	938021.30	1105252.80	420.90	64.77	
	1180	938038.30	1105190.10	421.95	64.96	
	1177	938055.30	1105127.60	423.00	64.77	
	1175	938084.40	1105025.00	424.50	106.65	
	1171	938094.10	1104990.80	425.00	35.55	
	999	938133.00	1104853.80	427.00	142.42	
	1000	938197.70	1104622.10	432.00	240.56	
	1001	938252.80	1104419.80	435.00	209.67	
	1002	938323.00	1104169.00	440.00	260.44	
	1003	938402.10	1103878.30	445.00	301.27	
	1004	938476.90	1103617.80	450.00	271.03	
	1005	938577.80	1103252.30	455.00	379.17	
	1006	938633.90	1103023.30	457.00	235.77	
	1007	938643.30	1102953.80	458.00	70.13	
	1008	938675.80	1102723.80	460.00	232.28	

	1009	938683.40	1102538.80	462.00	185.16	
	1010	938668.50	1102324.10	465.00	215.22	
Total SF		62892				

Noise Barrier 11F						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	1226	940101.50	1094839.60	579.00	--	
	1227	940100.20	1094790.00	580.00	49.62	
	1228	940096.30	1094640.50	583.00	149.55	
	1229	940091.20	1094442.80	584.00	197.77	
	1230	940085.50	1094259.40	586.50	183.49	
	1231	940079.70	1094131.40	588.00	128.13	20
	1232	940074.80	1094043.30	590.00	88.24	
	1233	940068.20	1093942.80	592.00	100.72	
	1234	940036.70	1093526.80	598.00	417.19	
	1235	940031.10	1093386.80	600.00	140.11	
	1236	940019.00	1093014.80	605.00	372.20	
Total SF		36542				

Noise Barrier 12B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point8941	1058	938717.10	1101432.10	474.00	--	
point8942	1059	938753.30	1101900.00	470.00	469.30	
	1164	938761.40	1101988.60	469.00	88.97	
point8943	1214	938783.20	1102081.10	467.90	95.03	
point10223	1215	938788.00	1102130.10	467.20	49.23	
point10221	1216	938795.00	1102178.50	467.10	48.90	
	1217	938802.30	1102227.60	467.10	49.64	11.11
point10218	1218	938809.10	1102277.90	467.10	50.76	
point10215	1219	938815.40	1102328.40	467.00	50.89	
point10212	1220	938819.50	1102379.30	466.50	51.06	
point10211	1222	938820.80	1102397.40	466.20	18.15	
	1223	938821.90	1102431.40	465.30	34.02	
	1224	938822.30	1102481.80	463.50	50.40	
	1170	938788.90	1102388.60	465.50	--	
	1190	938792.70	1102462.90	465.00	74.40	
	1191	938794.30	1102479.30	465.20	16.48	
	1192	938793.80	1102529.10	464.70	49.80	
	1193	938792.50	1102579.00	464.10	49.92	
	1194	938790.60	1102629.00	463.70	50.04	
	1195	938788.60	1102678.90	463.20	49.94	
	1196	938786.70	1102728.90	462.70	50.04	
	1197	938784.70	1102778.90	462.20	50.04	12
	1198	938781.40	1102828.80	461.70	50.01	
	1199	938775.00	1102878.30	461.60	49.91	

	1200	938768.40	1102927.30	461.40	49.44	
	1188	938760.20	1102976.00	461.50	49.39	
	1066	938740.50	1103043.30	459.00	70.12	
	1067	938717.80	1103141.80	458.00	101.08	
	1068	938662.20	1103354.10	455.00	219.46	
	1069	938580.80	1103646.60	450.00	303.62	
Total SF		27141				

Noise Barrier 12C						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	1174	939069.40	1099360.10	483.00	--	16.08
	1175	939032.20	1099542.80	485.00	186.45	
	1176	938995.00	1099725.40	487.00	186.35	
	1177	938959.90	1099794.80	486.00	77.77	
	1178	938929.00	1099886.50	486.00	96.77	
	1179	938896.30	1099995.90	488.00	114.18	
	1180	938880.60	1100036.60	487.00	43.62	
	1181	938862.60	1100088.90	485.00	55.31	
	1182	938838.00	1100160.30	480.00	75.52	
	1183	938822.30	1100301.40	483.00	141.97	
	1184	938812.00	1100357.30	483.00	56.84	
	1185	938769.80	1100514.60	477.00	162.86	
	1051	938721.80	1100476.00	477.00	--	7.86
	1052	938710.30	1100543.60	478.00	68.57	
	1053	938705.40	1100732.30	480.00	188.76	
	1054	938702.10	1100839.40	479.00	107.15	
	1055	938706.60	1101020.80	479.00	181.46	
	1056	938715.30	1101283.30	476.00	262.64	
	1057	938716.90	1101358.30	475.00	75.02	
	1058	938717.10	1101432.10	474.00	73.80	
Total SF		26778				

Noise Barrier 13A-C						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point12361	3101	938994.10	1112290.40	413.00	--	
point12362	3102	938908.50	1112289.30	417.00	85.61	
point12363	3103	938829.40	1112286.00	421.00	79.17	
point12364	3104	938741.80	1112279.90	425.00	87.81	
point12365	3105	938514.90	1112257.10	427.00	228.04	
point12366	3106	938354.20	1112240.50	429.00	161.56	
point12367	3107	938251.90	1112230.80	430.00	102.76	
point12368	3108	938163.20	1112223.80	431.00	88.98	
point12369	3109	938051.70	1112216.80	431.00	111.72	
point12122	3110	937904.50	1112207.80	432.00	147.47	
point12123	3124	937723.80	1112195.50	432.00	181.12	

point12124	3111	937594.90	1112186.80	431.00	129.19	20
point12125	3112	937436.10	1112181.00	430.00	158.91	
point12126	3113	937282.80	1112184.90	430.00	153.35	
point12127	3114	937141.00	1112196.80	431.00	142.30	
point12128	3115	937023.50	1112212.80	432.00	118.58	
point12129	3116	936926.60	1112230.30	432.50	98.47	
point12130	3117	936780.30	1112265.10	433.50	150.38	
point12132	3118	936684.30	1112294.50	434.00	100.40	
point12133	3119	936484.60	1112373.30	434.50	214.68	
point12134	3120	936294.00	1112473.50	436.00	215.33	
point12135	3121	936099.90	1112603.00	437.00	233.33	
point12136	3122	935978.90	1112703.90	437.00	157.55	
point12138	3123	935865.20	1112815.30	438.00	159.18	
point12599-2	3090	940368.20	1112180.50	425.70	--	20
point12600	3091	940098.30	1112188.80	427.00	270.03	
point12600-2	3092	939831.20	1112202.10	428.78	267.43	
point12601	3125	939798.90	1112203.50	429.00	32.33	
point12602	3093	939517.90	1112216.50	430.00	281.30	
point12603	3094	939370.00	1112223.30	431.00	148.06	
point12604	3095	939239.60	1112228.00	431.00	130.48	
point12354	3096	939089.10	1112231.30	430.00	150.54	
point12354-2	3097	939030.50	1112232.00	429.60	58.60	
point12355	3098	938818.50	1112230.40	428.00	212.01	
point12356	3099	938582.90	1112224.40	428.00	235.68	
point3100	3100	938558.70	1112223.40	428.17	24.22	
point12590	3068	941937.10	1112334.40	432.00	--	20
point12591	3069	941810.40	1112307.00	431.00	129.63	
point12592	3070	941605.30	1112271.40	429.00	208.17	
point12593	3071	941383.20	1112241.50	428.00	224.10	
point12595	3072	941081.90	1112213.90	427.00	302.56	
point12595-2	3073	941047.70	1112211.50	426.80	34.28	
point12606	3074	940866.00	1112201.30	426.00	181.99	
point12607	3075	940753.70	1112197.50	425.00	112.36	
point12607-2	3076	940686.90	1112197.00	424.50	66.80	
point12608	3077	940619.70	1112198.00	424.00	67.21	
point12609	3078	940500.00	1112203.00	424.00	119.80	
point12610	3079	940363.50	1112214.10	424.00	136.95	
point12610-2	3080	940272.70	1112224.60	424.00	91.41	
point12611	3081	940203.50	1112229.80	424.00	69.40	
point12612	3082	940019.10	1112254.50	414.00	186.05	
point12613	3083	939970.10	1112263.30	412.00	49.78	
point12614	3084	939865.30	1112271.10	408.00	105.09	
point12616	3089	939815.00	1112272.40	407.00	50.32	

point12618	3087	939727.10	1112273.40	407.00	87.91	
point12619	3088	939707.80	1112277.80	407.00	19.80	
Total SF		147203				

Noise Barrier 13C						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point12614	3084	939865.30	1112271.10	408.00	--	
point12616	3089	939815.00	1112272.40	407.00	50.32	
point12618	3087	939727.10	1112273.40	407.00	87.91	
point12618-2	3149	939717.30	1112274.80	407.00	9.90	14
point12618-3	3150	939707.80	1112277.80	407.00	9.96	
point12618-4	3151	939699.20	1112282.80	407.00	9.95	
point12619	3088	939691.80	1112289.40	407.00	9.92	
Total SF		2491				

Noise Barriers 13D, 13E, & 13F						
		X	**Y**	**Z**	**Length**	**Height**
Barrier 13D	1249	942144.40	1112388.50	433.00	--	16
	1250	942317.70	1112444.90	434.00	182.25	
	1251	942439.90	1112490.50	433.50	130.43	
	1253	942588.10	1112548.30	433.00	159.07	
	1173	942733.50	1112608.60	432.00	157.41	
	1174	942823.40	1112653.40	431.50	100.44	
	1175	942907.30	1112698.50	431.00	95.25	
	1176	942997.80	1112750.10	430.00	104.18	
	1177	943146.60	1112832.10	425.50	169.90	
	1178	943294.80	1112906.80	422.00	165.96	
	1179	943475.60	1112976.30	416.00	193.70	
subtotal SF		23337				
Barrier 13E	1181	943202.10	1112783.80	433.00	--	16
	1182	943393.50	1112861.90	435.50	206.72	
	1183	943462.80	1112888.80	436.00	74.34	
	1184	943589.80	1112935.30	436.00	135.25	
	1185	943674.90	1112964.60	435.50	90.00	
	1186	943863.90	1113026.80	433.00	198.97	
	1187	944016.40	1113076.30	427.50	160.33	
subtotal SF		13850				
Barrier 13F	1188	943627.00	1113063.40	419.00	--	16
	1189	943728.00	1113086.80	417.00	103.68	
	1190	943819.40	1113108.30	416.00	93.89	
	1225	943991.60	1113148.00	416.50	176.72	
	1226	944154.60	1113178.00	419.50	165.74	
	1227	944294.60	1113201.10	423.50	141.89	
	1191	944406.40	1113222.60	424.00	113.85	
	1192	944523.50	1113253.30	424.50	121.06	

	1193	944656.30	1113295.80	426.50	139.43	
	1194	944806.80	1113344.40	427.50	158.15	
	1195	945155.50	1113443.40	430.50	362.48	
	1196	945256.90	1113475.60	430.00	106.39	
	1273	945695.40	1113624.60	428.00	463.12	
subtotal SF		34342				
Total SF		71529				

Noise Barrier 13G						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1194	946253.20	1113826.10	426.00	--	20
x	1195	946550.00	1113956.80	426.00	324.30	
x	1196	946871.60	1114123.50	430.00	362.24	
x	1197	947137.80	1114279.00	437.00	308.29	
x	1198	947251.60	1114332.80	443.00	125.88	
x	1199	947379.60	1114379.30	450.00	136.18	
x	1200	947472.80	1114412.90	455.00	99.07	
x	1201	947548.60	1114441.80	460.00	81.12	
Total SF		28742				

Noise Barrier 13H						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1224	948309.50	1114537.40	431.00	--	14
x	1225	948433.80	1114572.00	431.50	129.03	
x	1226	948558.00	1114606.50	432.00	128.90	
x	1227	948682.30	1114641.10	432.50	129.03	
x	1228	948806.50	1114675.80	433.00	128.96	
x	1229	948930.80	1114710.40	433.50	129.03	
x	1230	949055.00	1114745.00	434.00	128.93	
x	1231	949179.30	1114779.50	434.50	129.00	
x	1232	949303.50	1114814.10	435.00	128.93	
Total SF		14445				

Noise Barrier 13I						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1206	948824.70	1114793.90	443.00	--	20
x	1207	948963.10	1114805.10	440.00	138.85	
x	1208	949348.80	1114857.60	435.00	389.26	
x	1209	949634.20	1114928.30	432.00	294.03	
x	1210	949844.50	1114975.30	430.00	215.49	
x	1211	950256.60	1115086.30	425.00	426.79	
x	1212	950562.20	1115156.40	425.00	313.54	
x	1213	950813.80	1115197.40	420.00	254.92	
x	1214	951077.90	1115224.40	420.00	265.48	

x	1215	951353.20	1115243.50	425.00	275.96	
x	1216	951519.10	1115240.80	431.00	165.92	
x	1217	951693.60	1115230.00	436.00	174.83	
x	1218	951837.60	1115216.60	438.00	144.62	
x	1219	951994.50	1115195.10	440.00	158.37	
x	1220	952067.70	1115185.00	441.00	73.89	
Total SF		65839				

Noise Barrier 14						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point1239	1204	933262.20	1117144.50	410.50	--	16
point1240	1205	933327.60	1117108.30	410.80	74.75	
point1241	1206	933409.00	1117053.40	411.00	98.18	
point1242	1207	933521.70	1116978.30	412.00	135.43	
point1243	1208	933569.70	1116924.10	412.00	72.40	
point1244/1204	1209	933623.80	1116819.30	412.00	117.94	
point1205	1210	933652.70	1116752.60	411.00	72.69	
point1206	1211	933693.90	1116654.00	411.00	106.86	
point1206	1211	933693.90	1116654.00	411.00	0.00	18
point1207	1212	933731.40	1116570.10	411.00	91.90	
point1208	1213	933769.20	1116490.50	411.50	88.12	
point1209	1212	933795.30	1116435.80	412.00	60.61	
point1210	1213	933817.70	1116395.10	412.00	46.46	
point1211	1214	933839.50	1116356.80	412.00	44.07	
point1212	1215	933878.80	1116295.90	412.00	72.48	
point1212	1215	933878.80	1116295.90	412.00	0.00	16
point1213	1216	933933.80	1116225.50	411.00	89.34	
point1214	1217	933976.00	1116174.80	410.00	65.96	
point1215	1218	934054.80	1116083.60	409.00	120.53	
point1215	1218	934054.80	1116083.60	409.00	0.00	14
point1216	1209	934088.80	1116045.60	408.00	50.99	
Total SF		23245				

Noise Barrier 15						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1185	932458.30	1117633.40	411.50	--	18
x	1223	932528.30	1117595.30	411.00	79.70	
x	1186	932572.60	1117571.00	411.00	50.53	
x	1187	932628.10	1117535.00	410.00	66.15	
x	1188	932739.30	1117464.80	409.00	131.50	
x	1189	932782.90	1117438.40	408.50	50.97	
x	1190	932854.90	1117394.80	408.00	84.17	
x	1191	932895.30	1117370.40	408.00	47.20	
x	1192	932978.40	1117322.30	408.00	96.02	
x	1193	933006.80	1117307.60	408.50	31.98	

x	1193	933072.30	1117265.30	409.00	77.97	
x	1194	933121.50	1117225.80	410.00	63.09	
x	1195	933155.70	1117197.60	410.00	44.33	
x	1196	933172.00	1117187.60	410.70	19.12	
Total SF		15169				

Noise Barrier 16B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	1245	932396.20	1127359.90	404.00	--	10
	1246	932575.30	1127628.50	398.00	322.84	
	1273	932679.80	1127776.80	393.50	181.42	
	1274	932731.90	1127850.90	391.25	90.58	
Total SF		5948				

Noise Barrier 16A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
P107	1252	933068.40	1127672.40	404.00	--	8
P108	1253	933135.10	1127677.00	401.00	66.86	
P109	1254	933188.40	1127693.10	398.00	55.68	
P110	1255	933237.50	1127719.90	396.00	55.94	
P111	1256	933298.20	1127777.10	392.00	83.40	
P112	1257	933337.50	1127846.80	389.00	80.02	
	1257	933337.50	1127846.80	389.00	0.00	10
P113	1258	933354.10	1127912.80	386.00	68.06	
	1258	933354.10	1127912.80	386.00	0.00	12
P114	1259	933356.40	1127972.60	385.00	59.84	
	1259	933356.40	1127972.60	385.00	0.00	14
P115	1260	933311.10	1128262.60	382.00	293.52	
P116	1261	933305.20	1128331.30	383.00	68.95	
P117	1262	933309.40	1128444.80	384.00	113.58	
P118	1263	933333.70	1128568.60	385.00	126.16	
P119	1264	933381.90	1128694.60	387.00	134.90	
P120	1265	933417.00	1128762.50	387.00	76.44	
P121	1266	933498.40	1128889.30	388.00	150.68	
P122	1267	933598.10	1129025.80	388.00	169.03	
P123	1268	934022.30	1129598.30	387.00	712.53	
P124	1269	934228.90	1129872.80	387.00	343.56	
P125	1270	934347.90	1130032.40	387.00	199.08	
P126	1271	934517.50	1130271.90	387.00	293.47	
P127	1272	934690.10	1130545.40	387.00	323.41	
	1218	934690.10	1130545.40	387.00	0.00	
	1230	934742.40	1130630.50	385.50	99.89	
	1219	934794.70	1130715.80	385.00	100.06	
	1231	934847.00	1130801.00	385.00	99.97	
	1220	934899.40	1130886.30	385.00	100.11	

	1221	935003.90	1131056.80	385.00	199.98	
	1222	935108.40	1131227.30	385.00	199.98	
	1223	935213.40	1131397.50	385.00	199.98	16
	1224	935325.00	1131563.40	384.00	199.94	
	1225	935433.20	1131731.80	384.00	200.16	
	1226	935539.30	1131901.30	384.00	199.97	
	1232	935593.50	1131985.30	384.00	99.97	
	1228	935647.70	1132069.30	384.00	99.97	
	1229	935702.20	1132152.60	384.00	99.54	
	1227	935758.10	1132235.50	384.00	99.99	
Total SF		48224				

Noise Barrier 17						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	1233	936018.00	1132843.60	391.00	--	
	1243	936171.20	1133042.40	397.00	250.98	
	1234	936244.60	1133139.30	401.00	121.56	
	1235	936338.30	1133260.50	406.00	153.20	
	1236	936446.40	1133399.10	410.00	175.77	
	1237	936696.80	1133725.30	415.00	411.23	16
	1242	936949.00	1134050.50	415.00	411.53	
	1238	937036.00	1134152.80	415.00	134.29	
	1239	937186.30	1134300.80	412.00	210.94	
	1240	937322.90	1134410.80	411.00	175.38	
	1241	937485.00	1134521.30	409.00	196.18	
Total SF		35857				

Noise Barrier 18						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
	1250	959517.40	1104528.30	433.37	--	
	1251	959541.90	1104607.90	432.88	83.29	
	1252	959562.80	1104672.80	432.58	68.18	
	1253	959581.80	1104733.30	431.87	63.41	
	1254	959597.80	1104800.30	431.87	68.88	
	1255	959607.30	1104861.10	432.27	61.54	18
	1256	959612.10	1104931.30	432.37	70.36	
	1257	959611.80	1104988.00	431.67	56.70	
	1258	959607.10	1105056.00	432.68	68.16	
	1259	959591.20	1105141.40	432.58	86.87	
	1260	959565.90	1105247.90	433.69	109.46	
	1260	959565.90	1105247.90	433.69	0.00	
	1261	959538.50	1105348.80	434.19	104.55	
	1262	959514.70	1105435.90	434.59	90.29	
	1263	959494.70	1105506.80	435.19	73.67	
	1264	959467.90	1105604.30	435.39	101.12	

	1265	959443.40	1105697.30	436.09	96.17	20
	1266	959421.20	1105777.80	437.79	83.51	
	1267	959405.40	1105827.40	440.10	52.06	
	1268	959390.10	1105856.30	441.60	32.70	
	1269	959372.00	1105883.50	444.74	32.67	
	1270	959343.50	1105913.00	448.36	41.02	
	1271	959309.80	1105937.30	450.32	41.55	
	1272	959275.20	1105950.80	451.54	37.14	
	1273	959220.90	1105974.30	454.83	59.17	
Total SF		28484				

Noise Barriers 19A&19B						
		X	**Y**	**Z**	**Length**	**Height**
Barrier 19A	1238	960526.90	1106318.80	437.00	--	20
	1239	960463.50	1106217.40	440.00	119.59	
	1240	960403.80	1106118.80	444.38	115.27	
	1241	960321.60	1105986.90	444.00	155.42	
	1242	960241.30	1105851.60	445.00	157.33	
	1243	960219.10	1105808.80	446.00	48.21	
	1244	960118.60	1105647.60	446.00	189.96	
	1245	960082.70	1105594.50	446.00	64.10	
	1246	959999.50	1105456.40	444.00	161.23	
	1247	959918.00	1105326.80	442.00	153.10	
	1248	959818.80	1105157.80	439.00	195.96	
	1249	959717.10	1104983.30	437.00	201.97	
subtotal SF		31243				
Barrier 19B	1216	959720.70	1105924.10	425.00	--	20
	1217	959749.70	1106020.10	425.00	100.28	
	1218	959780.80	1106118.30	425.50	103.01	
	1219	959827.30	1106211.60	426.00	104.25	
	1220	959934.70	1106382.40	426.59	201.76	
	1221	960041.40	1106552.00	427.03	200.37	
	1222	960100.50	1106637.00	427.37	103.53	
	1223	960175.80	1106710.30	427.17	105.09	
	1224	960262.90	1106769.30	427.66	105.20	
	1225	960358.50	1106811.50	428.65	104.50	
	1226	960459.00	1106832.80	428.88	102.73	
	1227	960655.70	1106868.90	428.26	199.99	
	1228	960750.20	1106892.00	427.95	97.28	
	1229	960837.30	1106931.80	427.81	95.76	
	1230	960913.10	1106990.00	427.87	95.57	
	1231	960978.30	1107059.80	428.01	95.51	
	1232	961031.60	1107141.30	428.12	97.38	
	1233	961083.80	1107226.30	428.05	99.75	
	1234	961136.20	1107311.40	428.04	99.94	
	1235	961188.60	1107396.60	428.67	100.02	

	1236	961240.90	1107481.80	429.45	99.97	
	1237	961293.30	1107567.00	430.86	100.02	
subtotal SF		48238				
Total SF		79481				

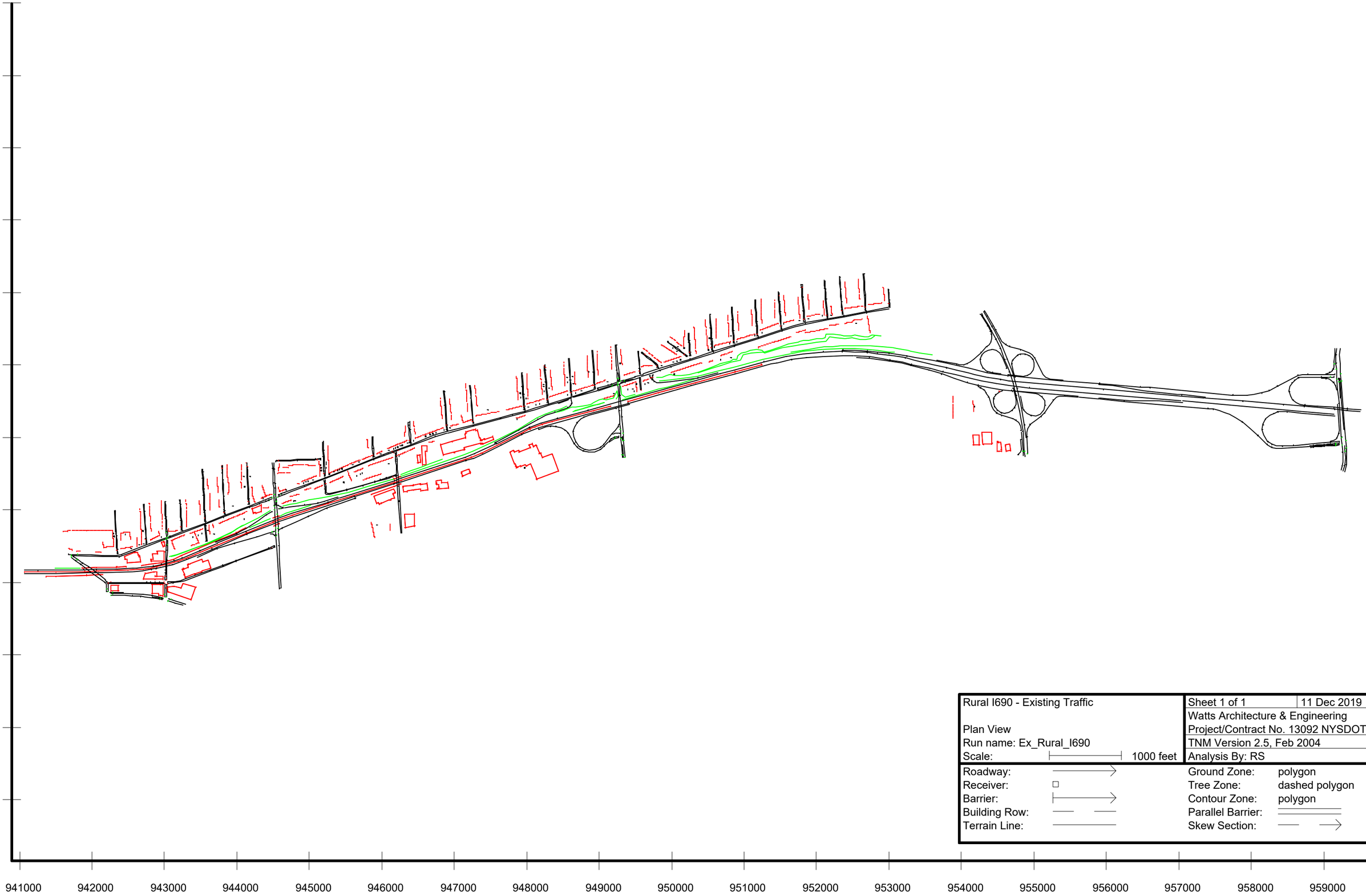
Noise Barriers 20&21						
		X	**Y**	**Z**	**Length**	**Height**
Barrier 20	2921	930097.70	1113795.50	395.90	--	18
	2922	930245.50	1113792.30	396.10	147.83	
	2923	930526.30	1113777.90	395.50	281.17	
	2924	930614.10	1113775.60	395.10	87.83	
	2925	930794.40	1113778.60	394.00	180.32	
	2926	931047.50	1113774.30	393.50	253.14	
subtotal SF		17105				
Barrier 21	2928	930606.00	1113879.40	374.60	--	20
	2929	930610.00	1113874.30	374.60	6.48	
	2930	930615.20	1113869.80	374.60	6.88	
	2931	930623.00	1113864.90	374.60	9.21	
	2932	930629.00	1113862.30	374.60	6.54	
	2933	930677.90	1113854.30	376.10	49.55	
	2934	930855.30	1113832.60	383.90	178.72	
	2935	931032.00	1113811.30	390.70	177.98	
	2935	931032.00	1113811.30	390.70	0.00	18
	2936	931204.20	1113790.00	395.60	173.51	
	2937	931355.20	1113771.00	400.00	152.19	
	2938	931524.30	1113758.80	405.30	169.54	
subtotal SF		17626				
Total SF		34731				

Noise Barriers 22&23						
		X	**Y**	**Z**	**Length**	**Height**
Barrier 22	2830	928466.30	1113909.00	387.90	--	16
	2831	928516.60	1113889.30	388.80	54.02	
	2832	928556.50	1113874.80	389.50	42.45	
	2833	928611.90	1113856.80	390.50	58.25	
	2834	928708.10	1113830.30	391.50	99.78	
	2835	928781.20	1113810.50	392.60	75.73	
	2836	928930.70	1113773.90	393.10	153.91	
	2837	929054.90	1113743.50	393.50	127.87	
	2838	929208.00	1113721.30	394.20	154.70	
	2839	929299.30	1113712.00	394.60	91.77	
	2840	929376.90	1113706.80	394.90	77.77	
	2841	929460.30	1113703.00	395.00	83.49	
	2842	929564.00	1113704.00	395.30	103.70	
	2843	929658.10	1113704.30	395.70	94.10	

	2844	929726.10	1113702.30	396.00	68.03	
	2844	929726.10	1113702.30	396.00	0.00	20
	2845	929804.80	1113700.40	396.30	78.72	
	2846	929910.70	1113694.30	396.70	106.08	
	2846	929910.70	1113694.30	396.70	0.00	18
	2847	930020.00	1113689.60	397.20	109.40	
	2847	930020.00	1113689.60	397.20	0.00	16
	2848	930080.50	1113688.10	397.40	60.52	
	2849	930228.50	1113684.40	397.20	148.05	
	2850	930511.80	1113683.80	396.20	283.30	
	2851	930601.40	1113683.00	395.60	89.60	
	2852	930773.20	1113672.60	395.00	172.11	
	2853	930972.40	1113665.30	395.00	199.33	
subtotal SF		41481				
Barrier 23	2854	930607.90	1113585.90	380.40	--	16
	2855	930754.90	1113618.80	384.90	150.64	
	2856	930857.20	1113623.80	390.20	102.42	
	2857	931037.60	1113640.40	393.10	181.16	
	2858	931180.50	1113647.80	394.80	143.09	
	2859	931294.00	1113644.40	397.40	113.55	
	2860	931465.40	1113630.50	402.60	171.96	
	2861	931550.90	1113620.40	405.20	86.09	
	2862	931714.30	1113603.80	410.00	164.24	
	2863	932193.40	1113517.50	415.00	486.81	
	2863	932193.40	1113517.50	415.00	0.00	18
	2864	932506.60	1113472.80	416.00	316.37	
	2864	932506.60	1113472.80	416.00	0.00	20
	2865	932600.00	1113454.60	416.00	95.16	
	2866	932715.60	1113428.90	416.00	118.42	
	2866	932715.60	1113428.90	416.00	0.00	16
	2867	932950.70	1113366.40	416.00	243.27	
	2868	933175.90	1113316.10	416.00	230.75	
subtotal SF		43150				
Total SF		84631				

ATTACHMENT N

2013 Existing Conditions TNM Model Plan Views


Rural I690 - Existing Traffic
Plan View
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Sheet 1 of 1
11 Dec 2019
Watts Architecture & Engineering
Project/Contract No. 13092 NYSDOT I-81 Viaduct
TNM Version 2.5, Feb 2004
Analysis By: RS
Roadway:
Receiver:
Barrier:
Building Row:
Terrain Line:
Ground Zone: polygon
Tree Zone: dashed polygon
Contour Zone: polygon
Parallel Barrier:
Skew Section:
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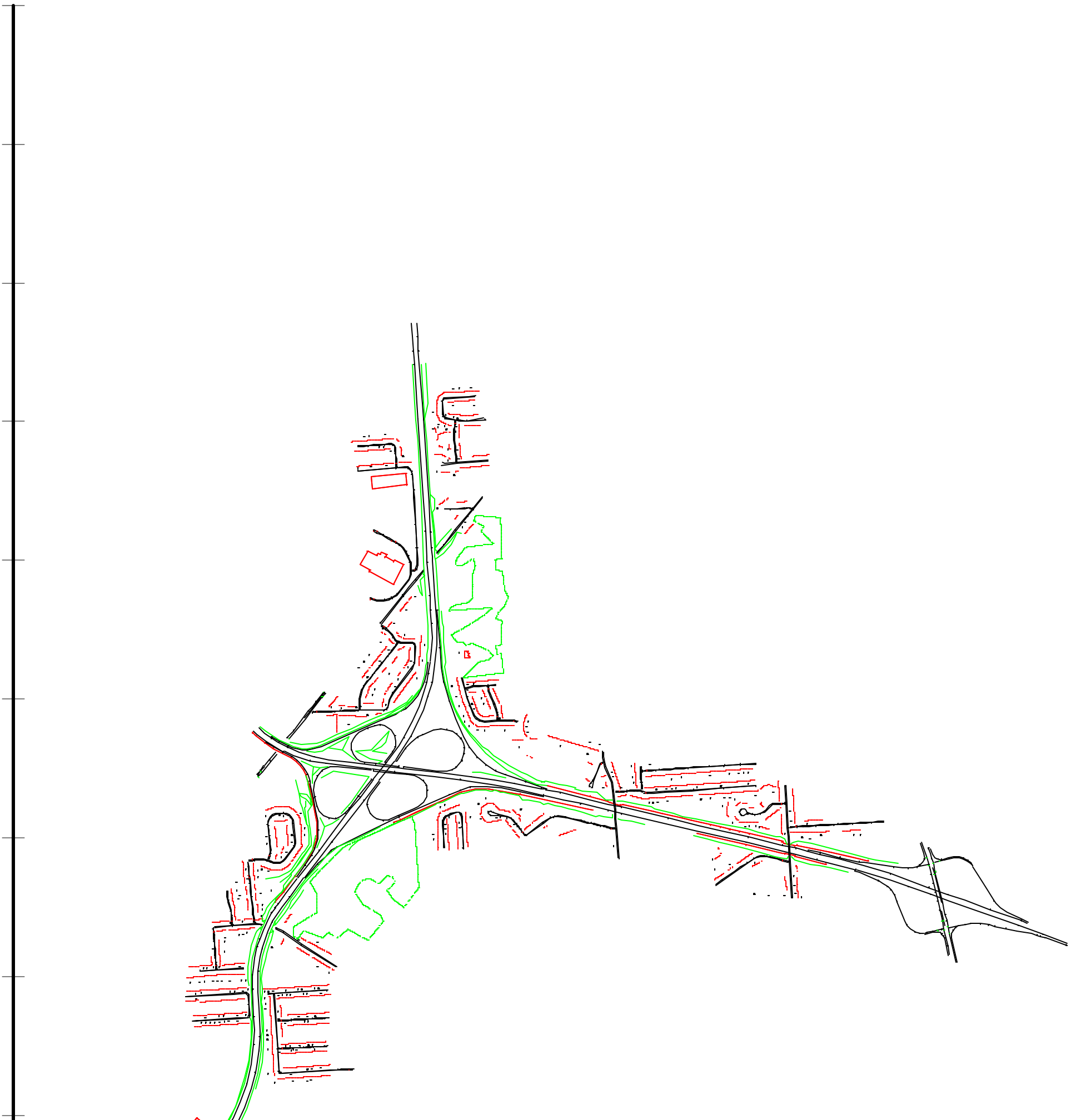

Rural NorthEast - Existing Traffic		Sheet 1 of 1	17 Dec 2019
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
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Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

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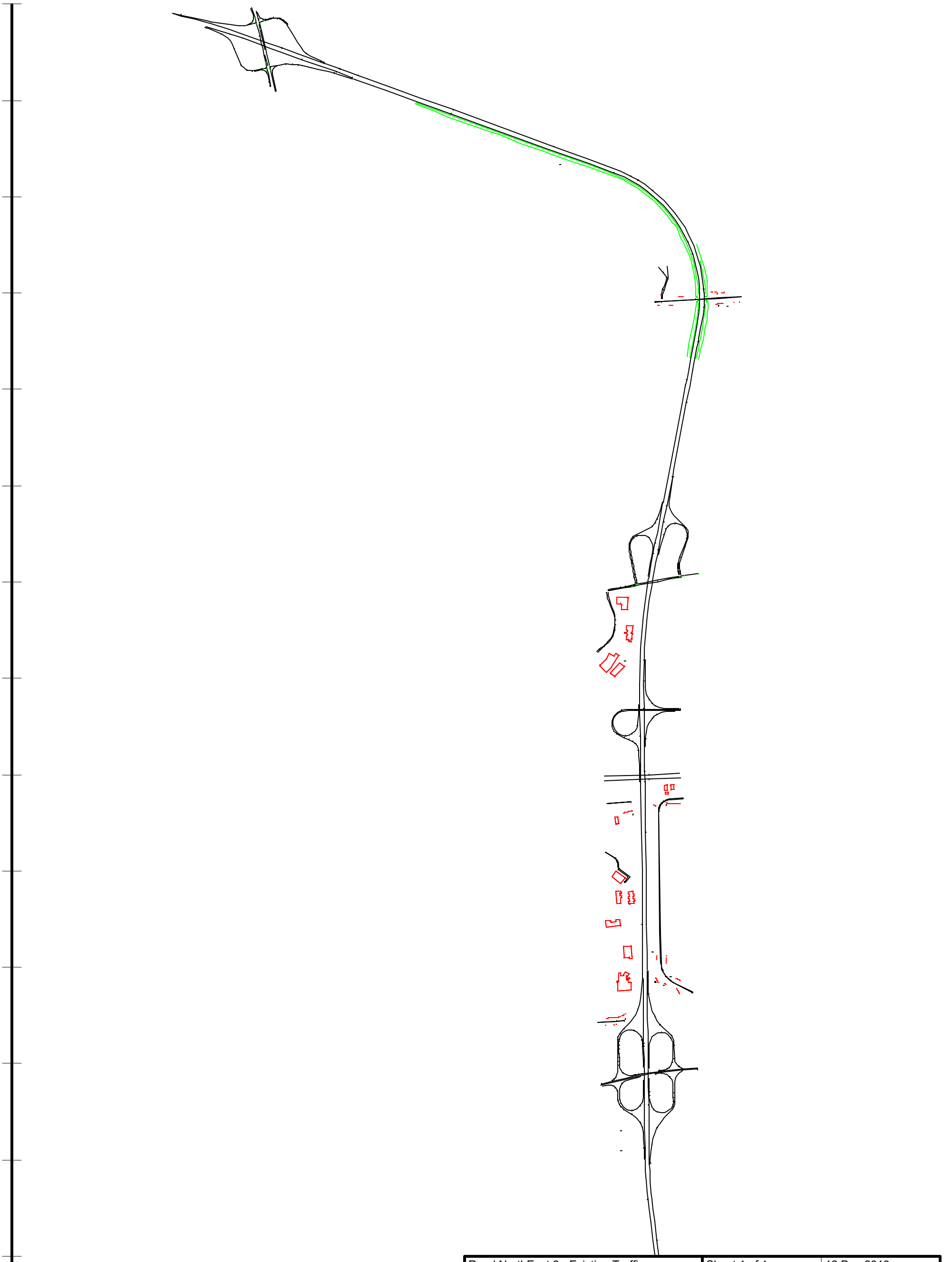

Rural NorthEast 2 - Existing Traffic

Plan View

Run name: Ex_Rural_NE-S

Scale: 2000 fe

Sheet 1 of 1 | 12 Dec 2019

Watts Architecture & Engineering

Project/Contract No. 13092 NYSDOT I-81 Viaduct

TNM Version 2.5, Feb 2004

Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

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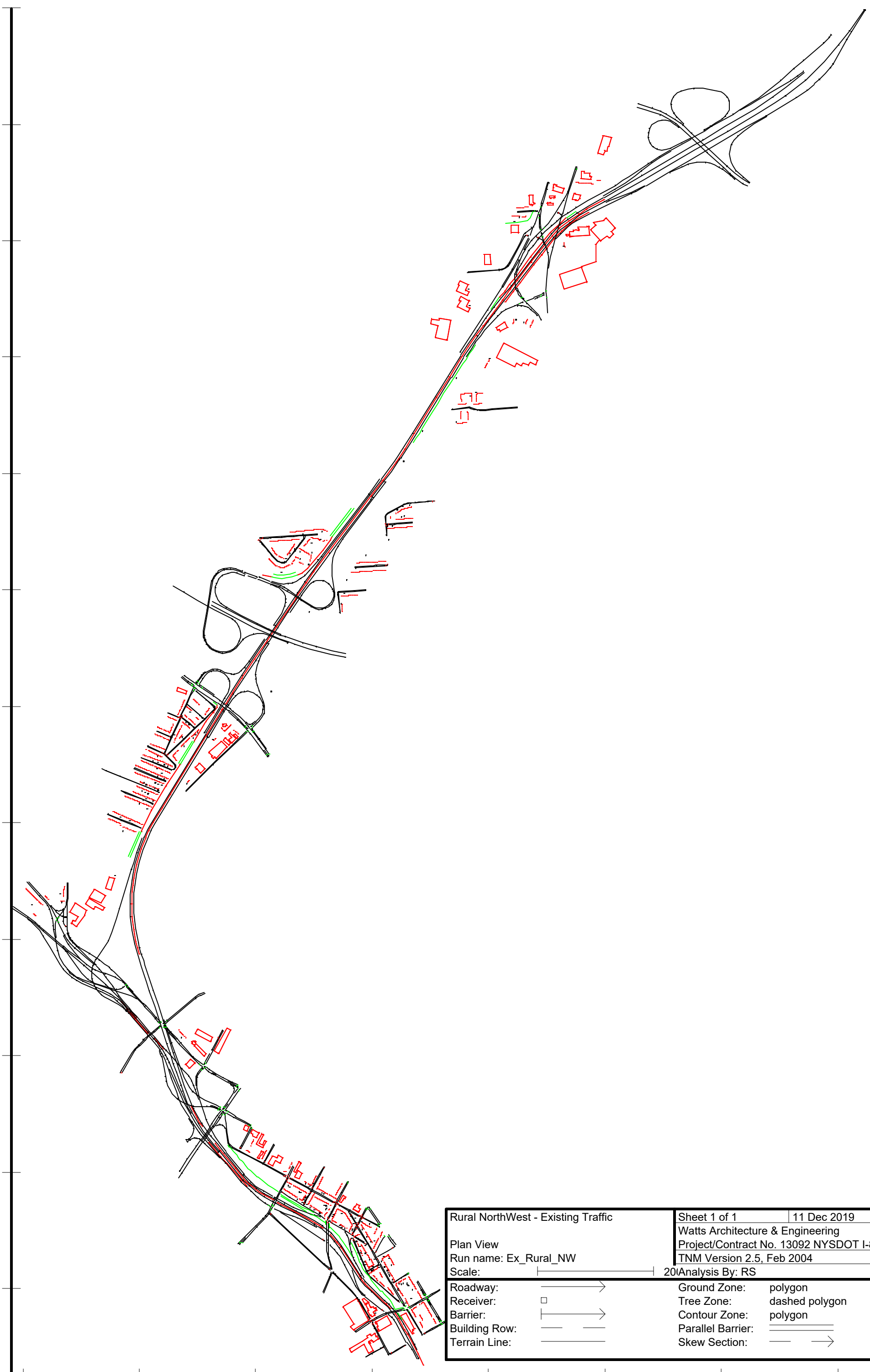
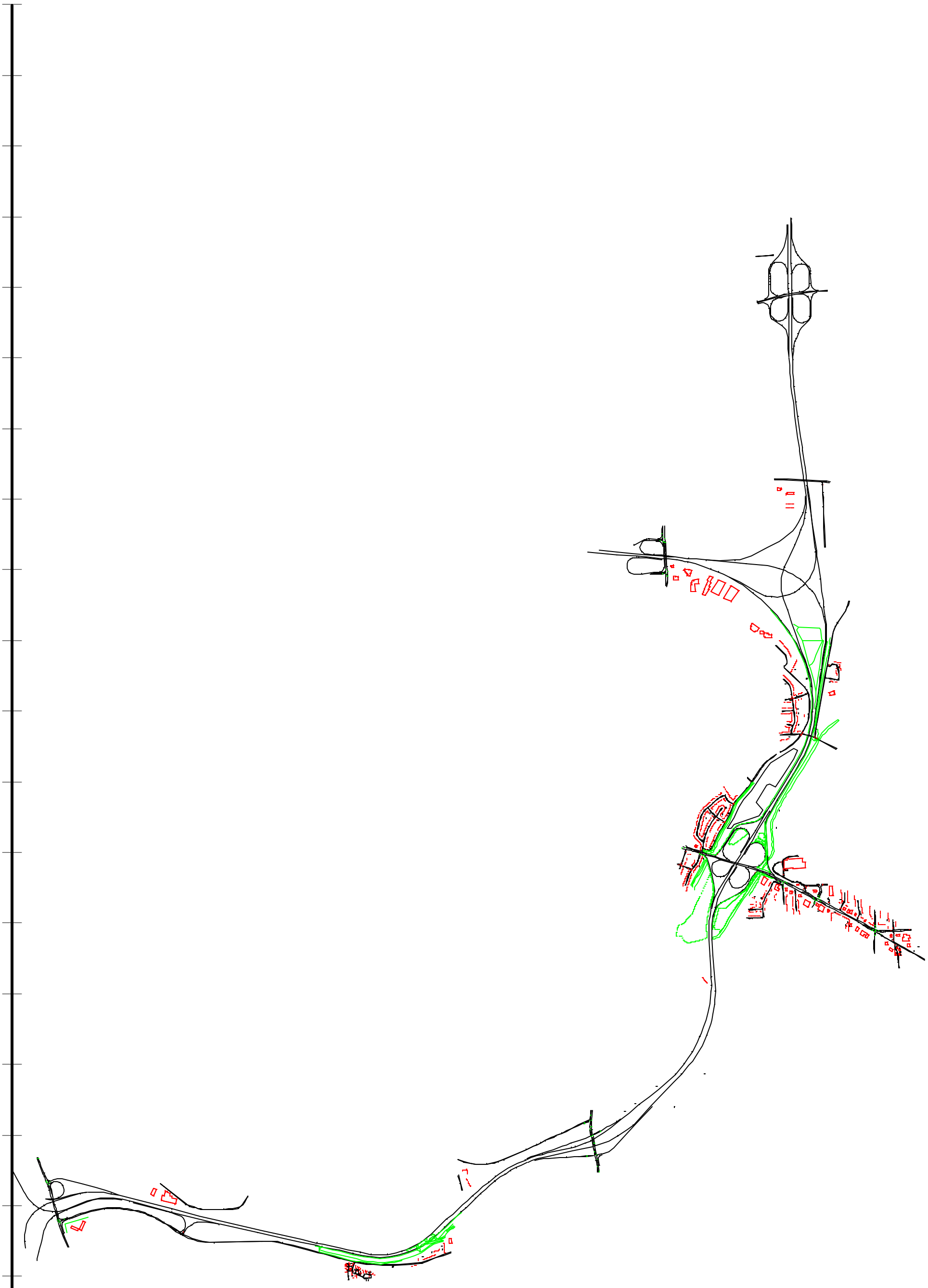


Rural NorthWest - Existing Traffic	Sheet 1 of 1 | 11 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Ex_Rural_NW	TNM Version 2.5, Feb 2004
Scale: 20	Analysis By: RS

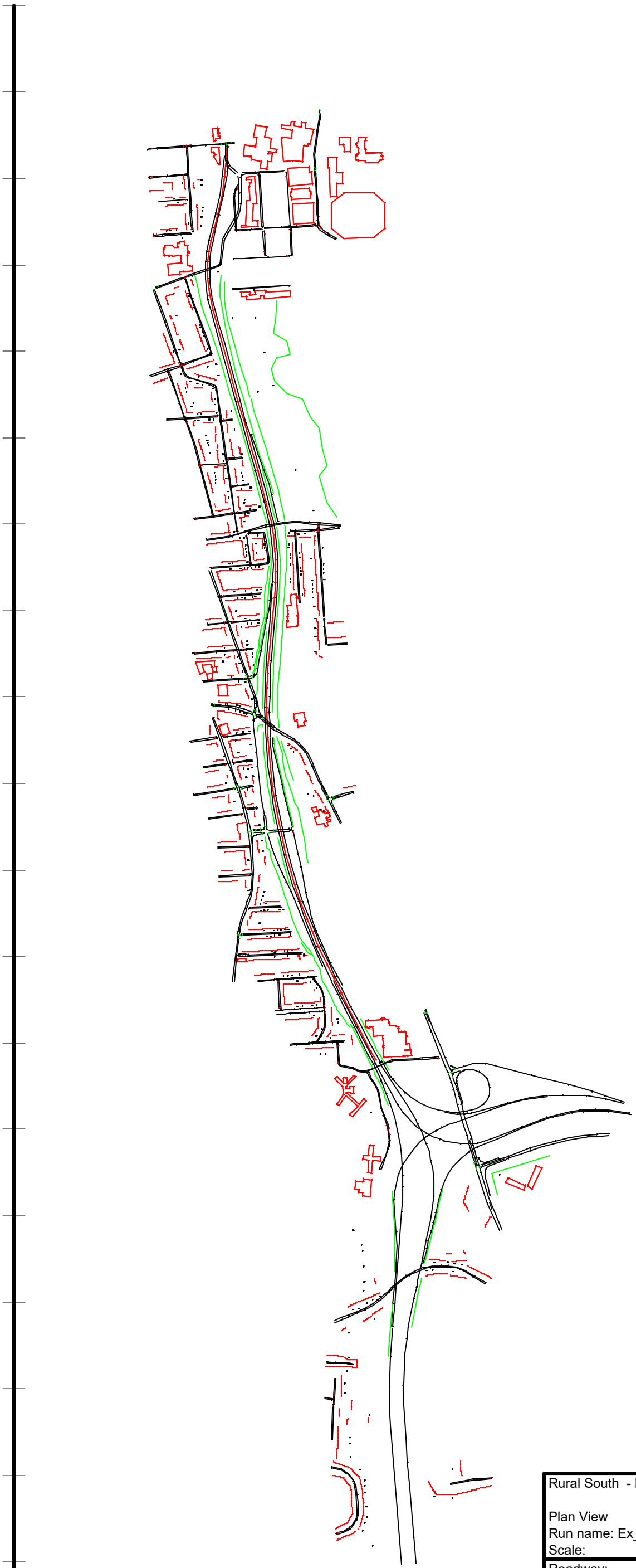
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Rural South - Existing Traffic	Sheet 1 of 1 | 11 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Ex_Rural_S-E_2019	TNM Version 2.5, Feb 2004
Scale: 2000 feet	Analysis By: RS

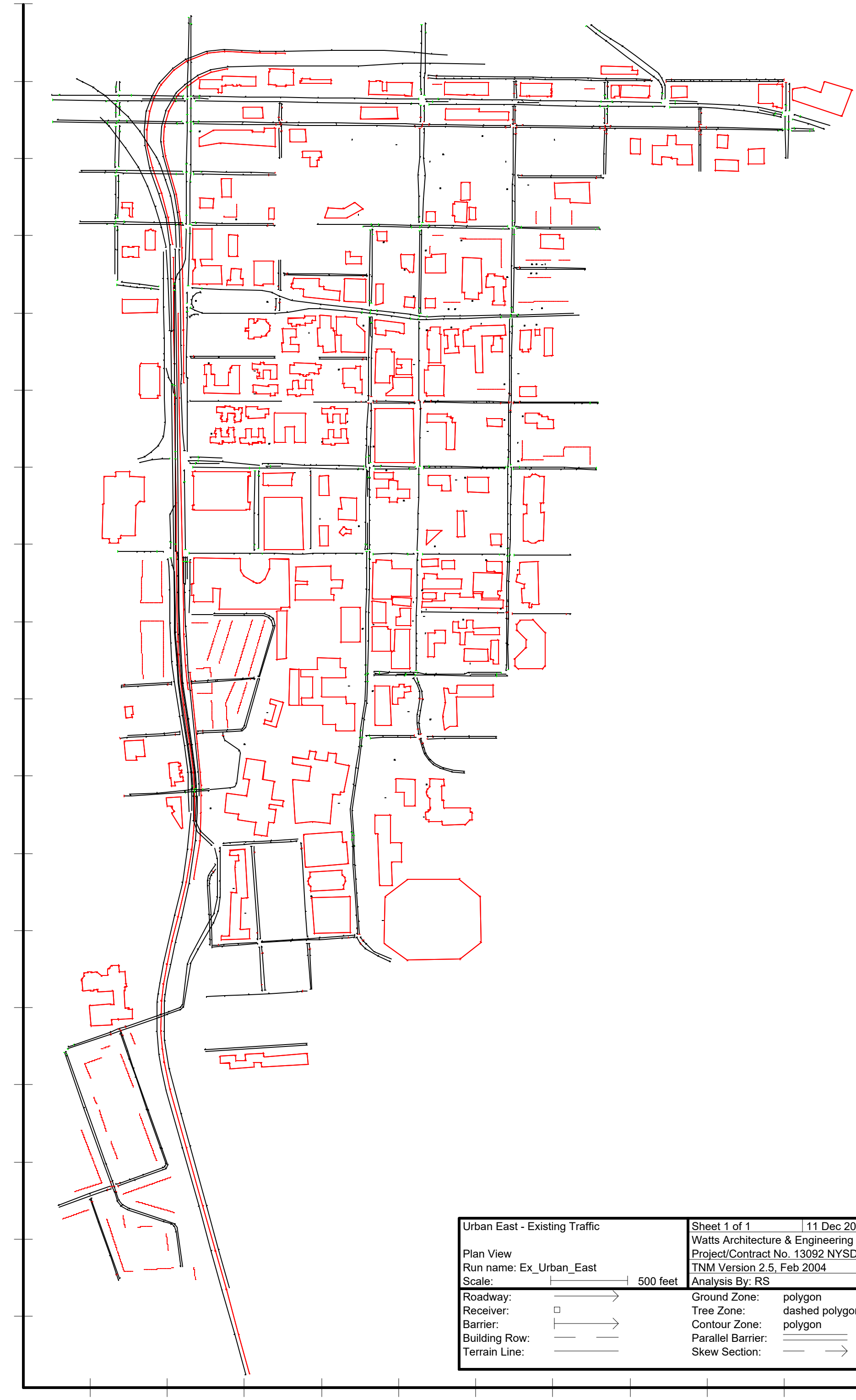
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

00 942000 944000 946000 948000 950000 952000 954000 956000 958000 960000 962000 964000 966000



Rural South - Existing Traffic	Sheet 1 of 1 | 17 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Ex_Rural_S-W	TNM Version 2.5, Feb 2004
Scale: 1000 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



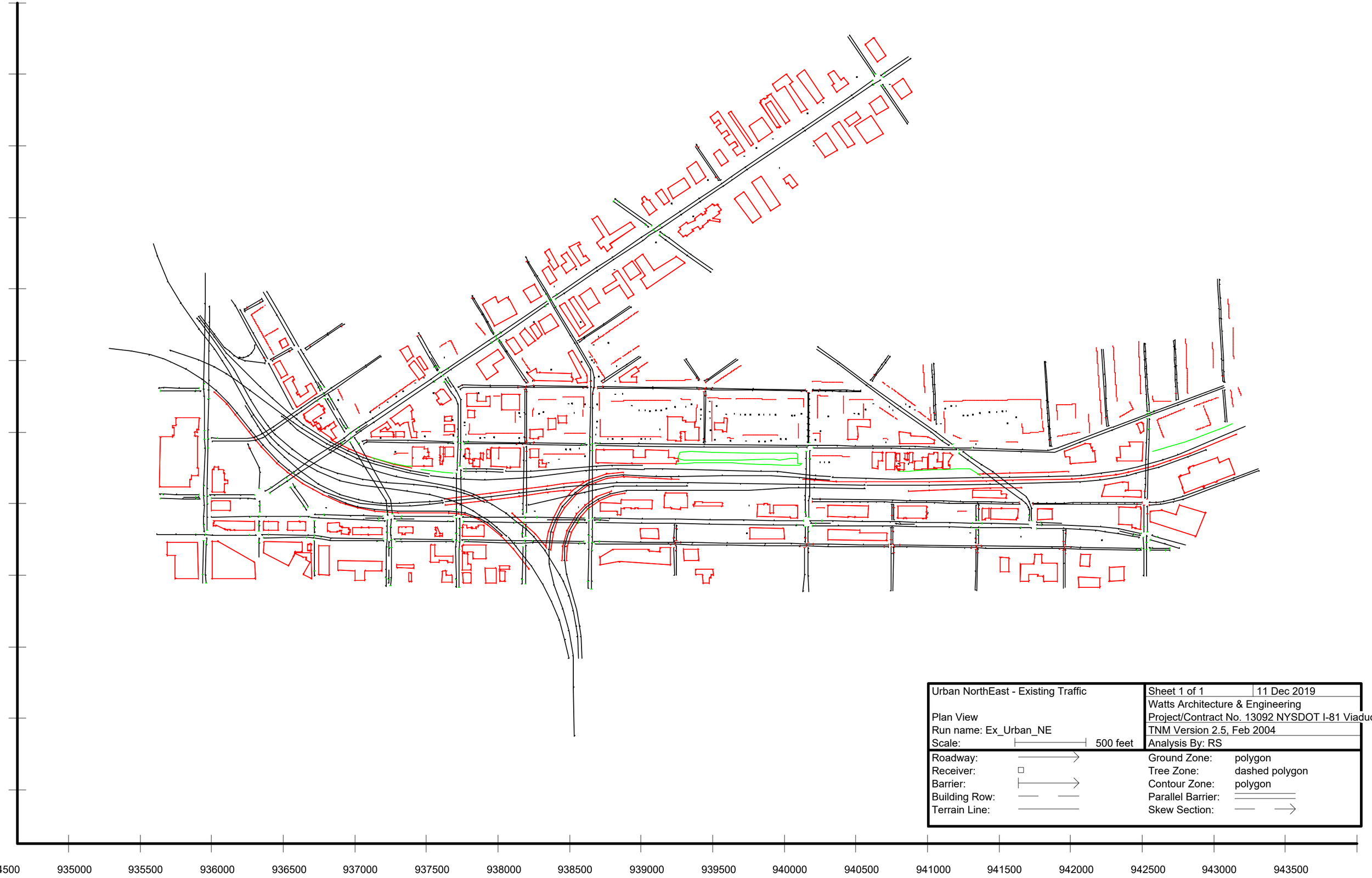
Urban East - Existing Traffic	Sheet 1 of 1 | 11 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Ex_Urban_East	TNM Version 2.5, Feb 2004
Scale: 500 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

Urban Middle - Existing Traffic	Sheet 1 of 1 | 11 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Ex_Urban_Middle	TNM Version 2.5, Feb 2004
Scale:	Analysis By: RS

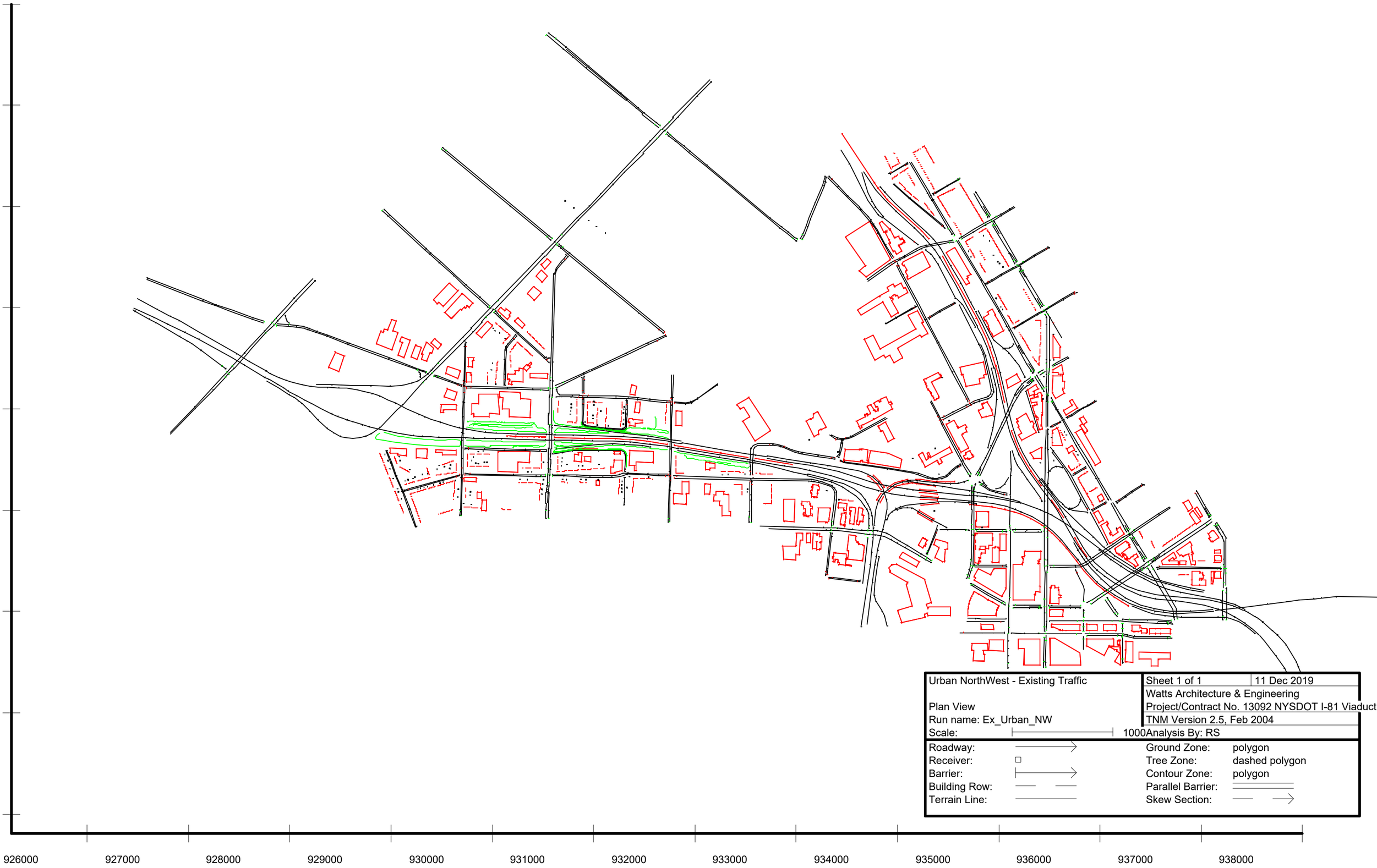
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

935000 936000 937000 938000 939000 940000



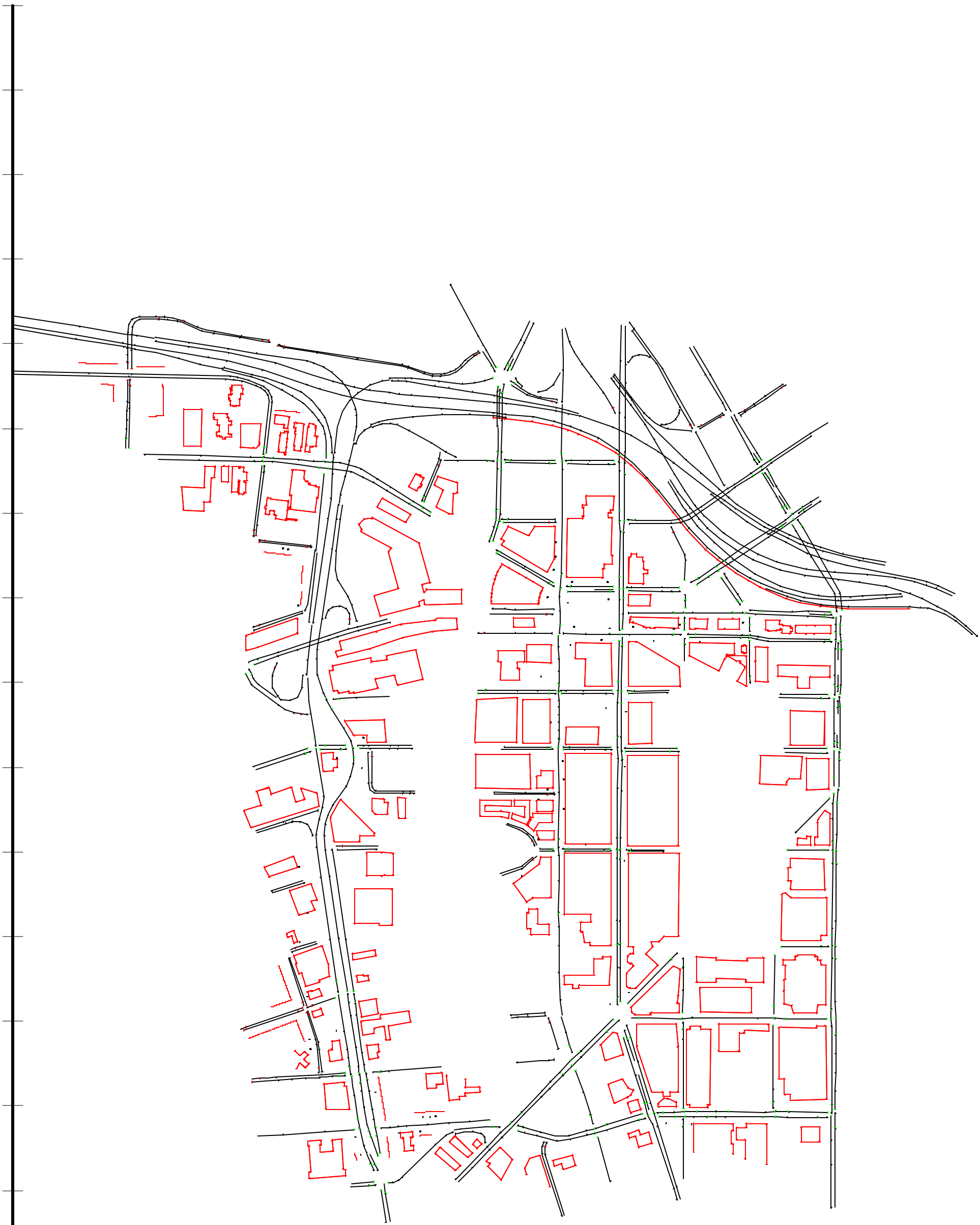
Urban NorthEast - Existing Traffic	Sheet 1 of 1 | 11 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Ex_Urban_NE	TNM Version 2.5, Feb 2004
Scale: 500 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Urban NorthWest - Existing Traffic		Sheet 1 of 1	11 Dec 2019
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: Ex_Urban_NW		TNM Version 2.5, Feb 2004	
Scale:	1000	Analysis By: RS	

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



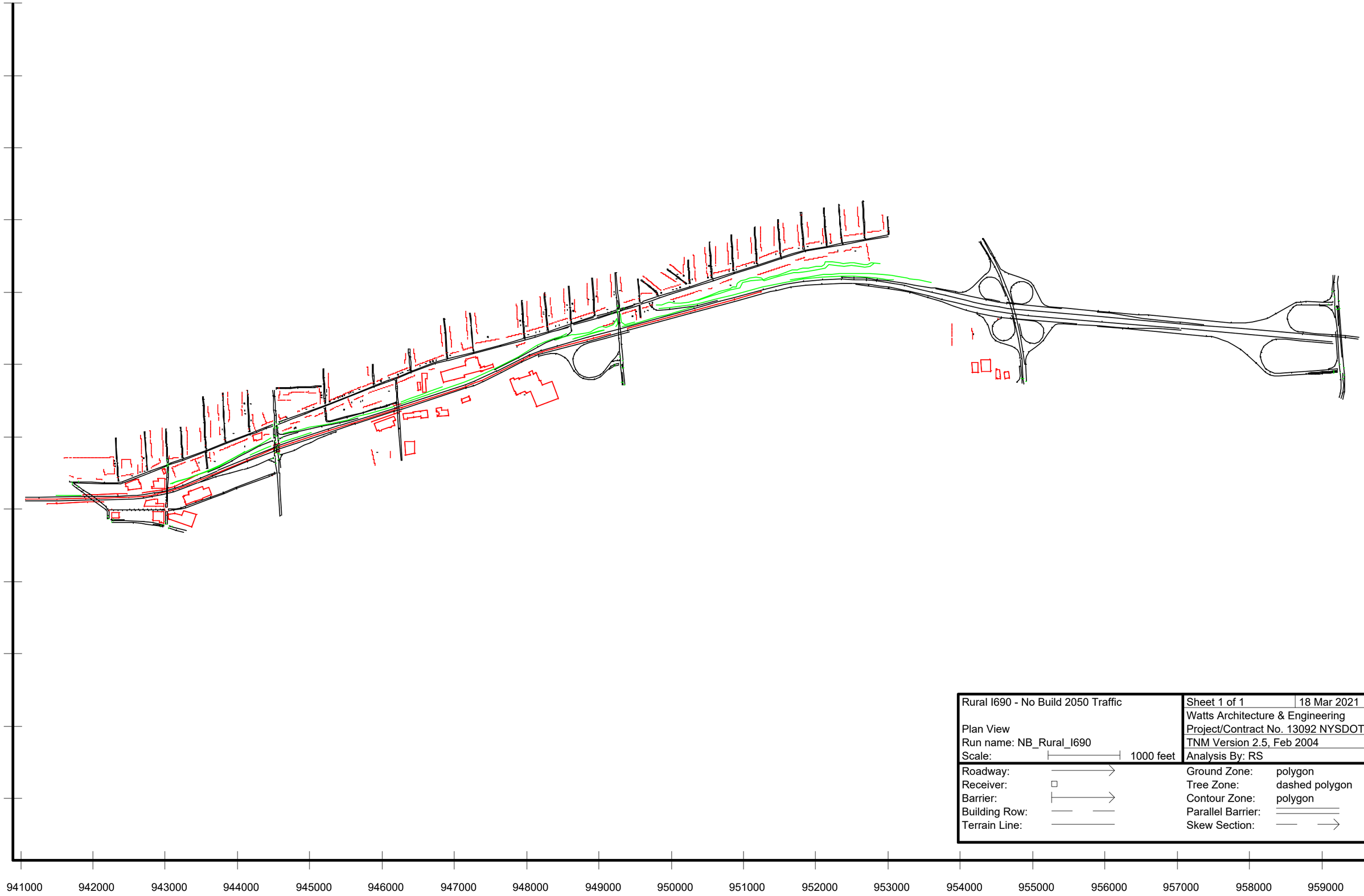
Urban West - Existing Traffic	Sheet 1 of 1 | 11 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Ex_Urban_W	TNM Version 2.5, Feb 2004
Scale: 500 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

2000 932500 933000 933500 934000 934500 935000 935500 936000 936500 937000 937500

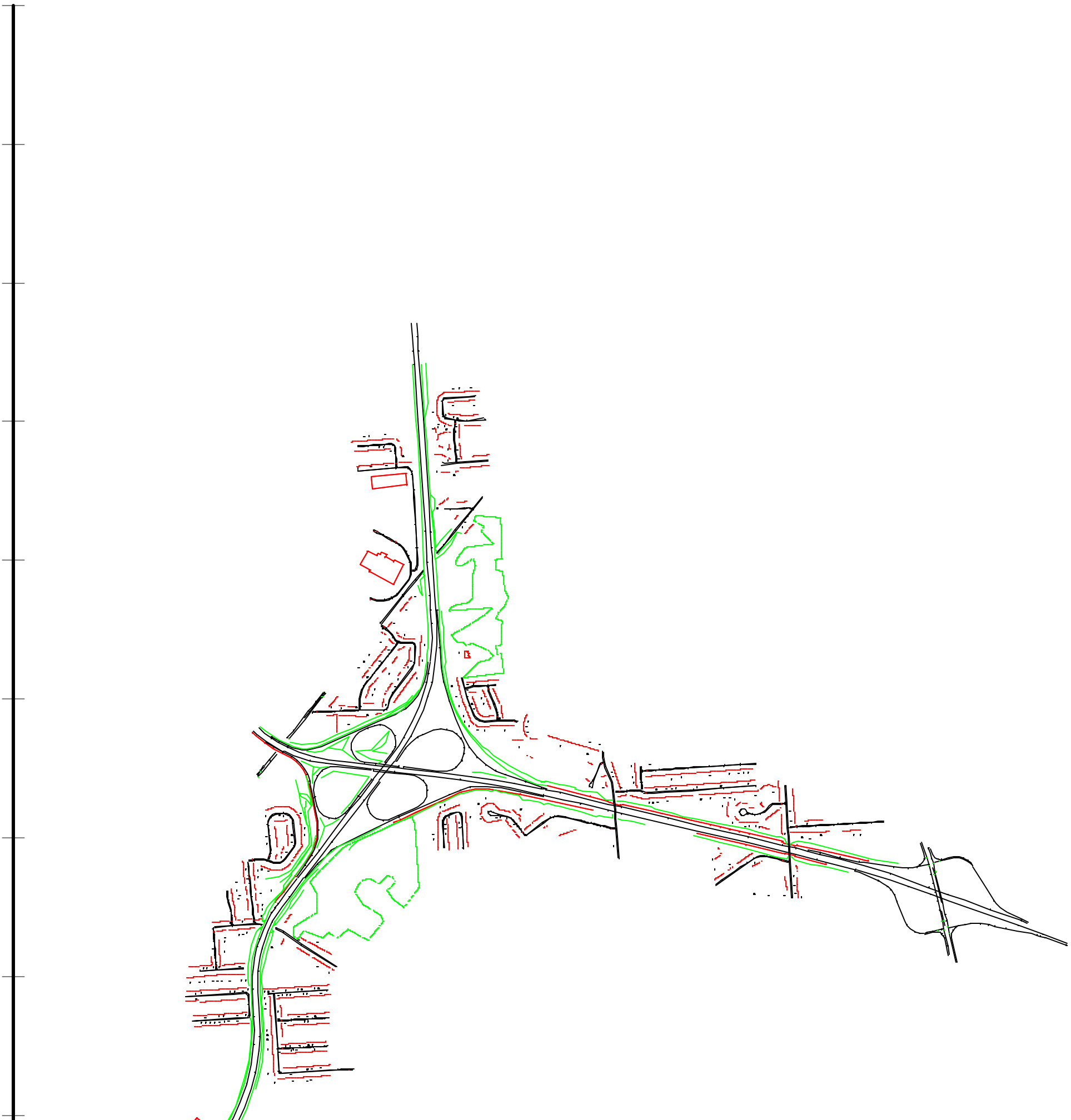
ATTACHMENT O

2050 No Build Alternative Conditions TNM Model Plan Views



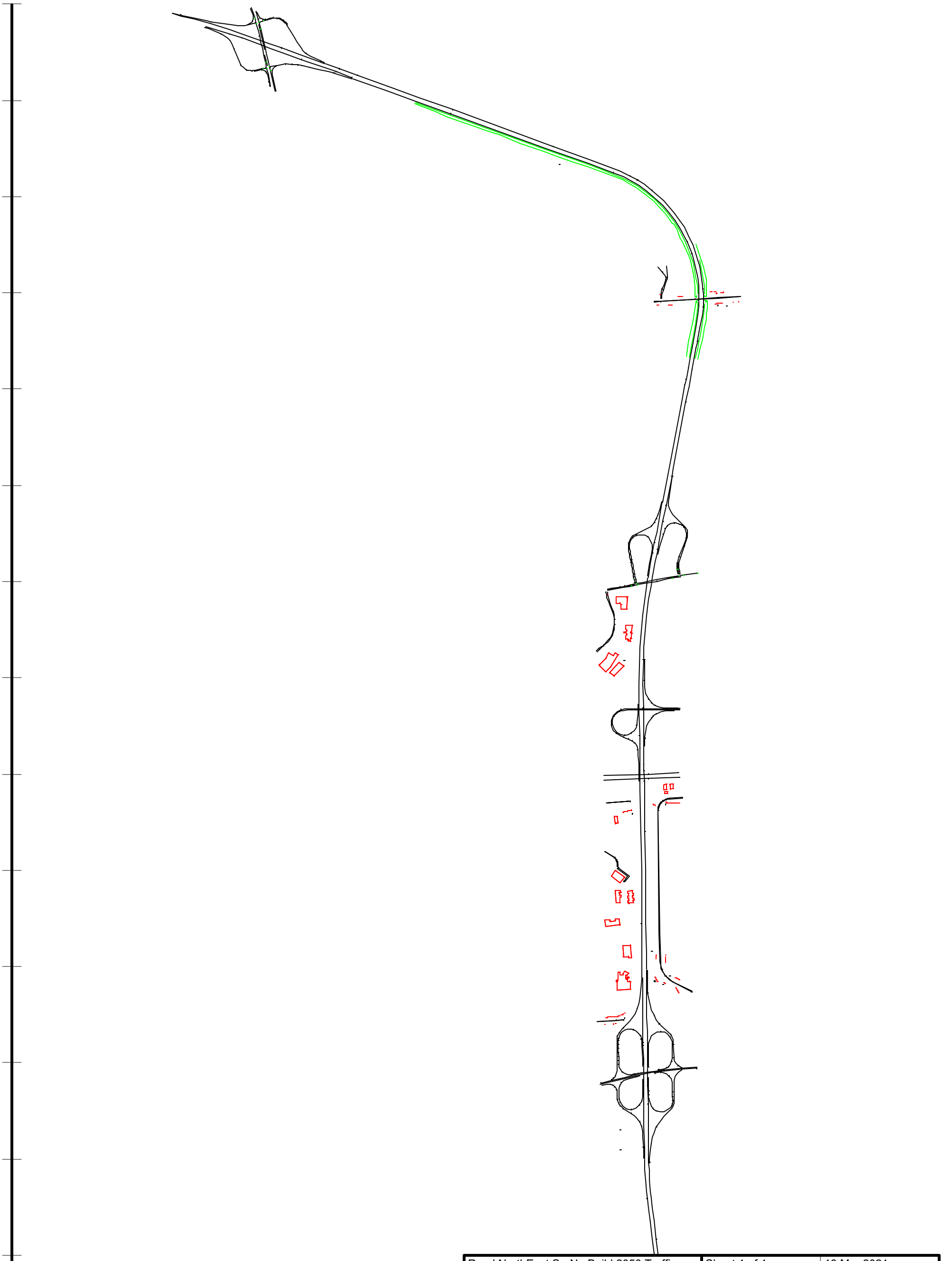
Rural I690 - No Build 2050 Traffic	Sheet 1 of 1 | 18 Mar 2021
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: NB_Rural_I690	TNM Version 2.5, Feb 2004
Scale: 1000 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Rural NorthEast - No Build 2050 Traffic		Sheet 1 of 1	18 Mar 2021
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: NB_Rural_NE-N		TNM Version 2.5, Feb 2004	
Scale:	20(	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

942000 944000 946000 948000 950000 952000 954000 956000



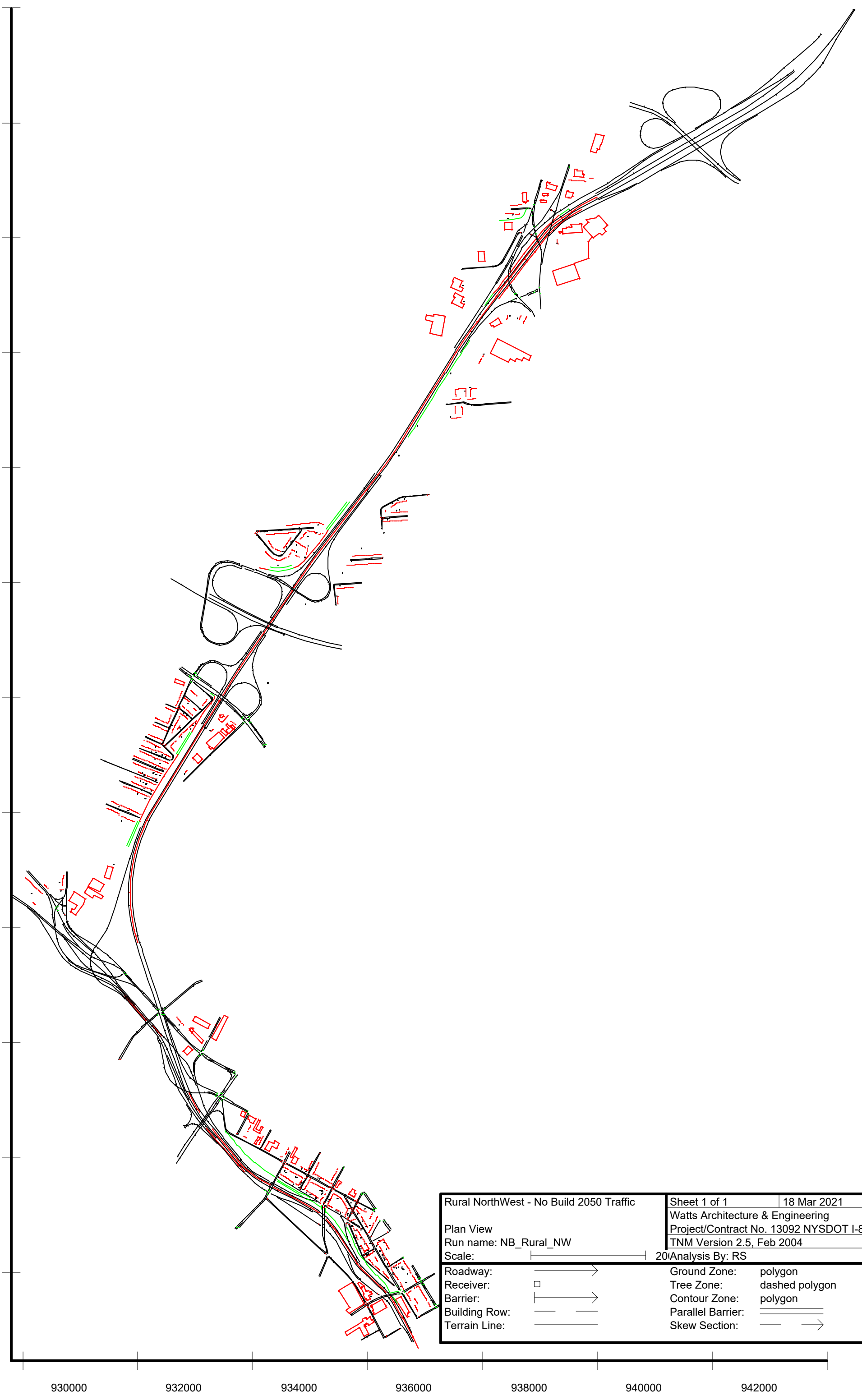
Rural NorthEast S - No Build 2050 Traffic

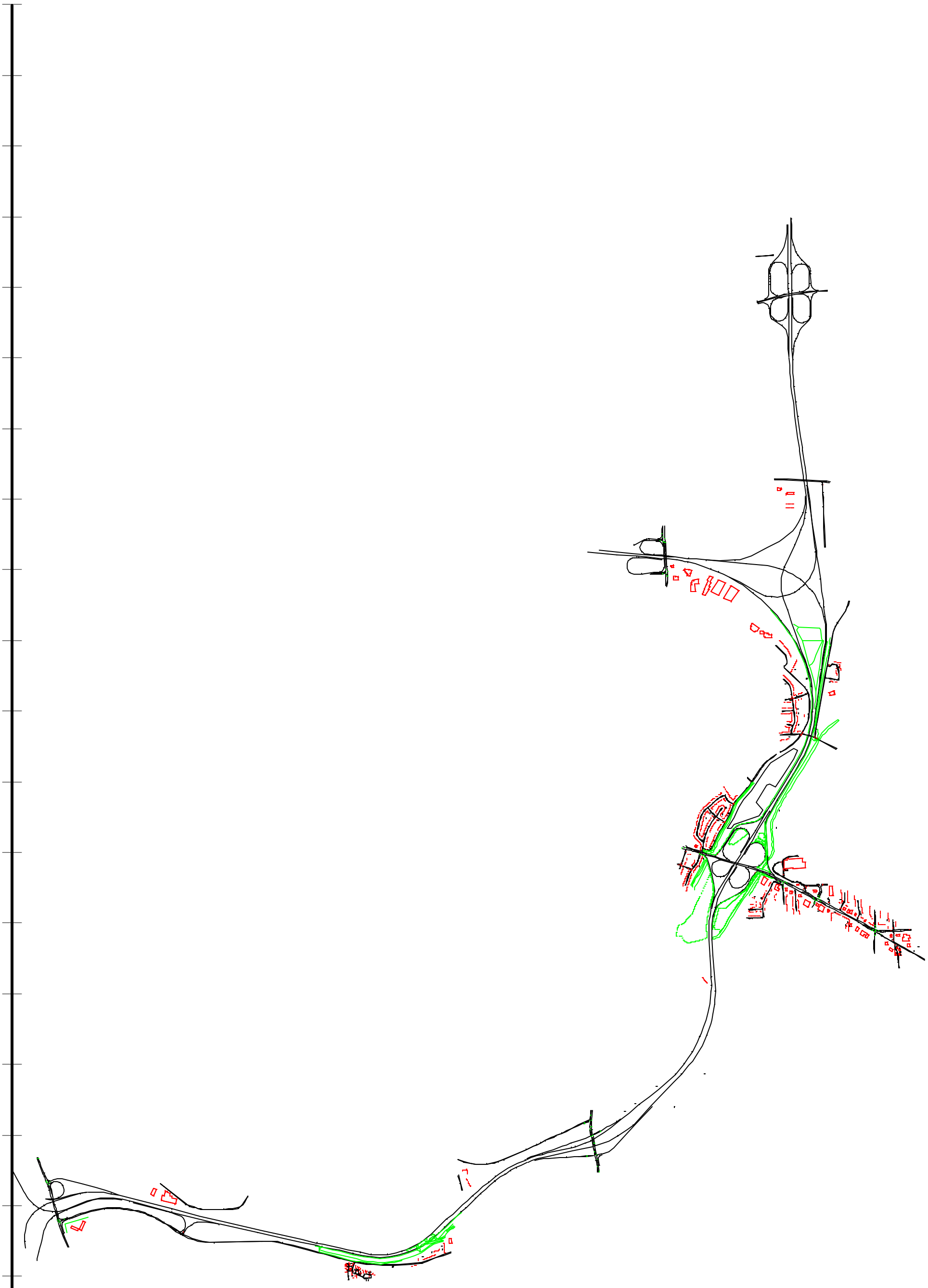
Plan View
Run name: NB_Rural_NE-S
Scale: 2000 fe

Sheet 1 of 1 | 18 Mar 2021
Watts Architecture & Engineering
Project/Contract No. 13092 NYSDOT I-81 Viaduct
TNM Version 2.5, Feb 2004
Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

950000 952000 954000 956000 958000 960000 962000 964000 966000 968000

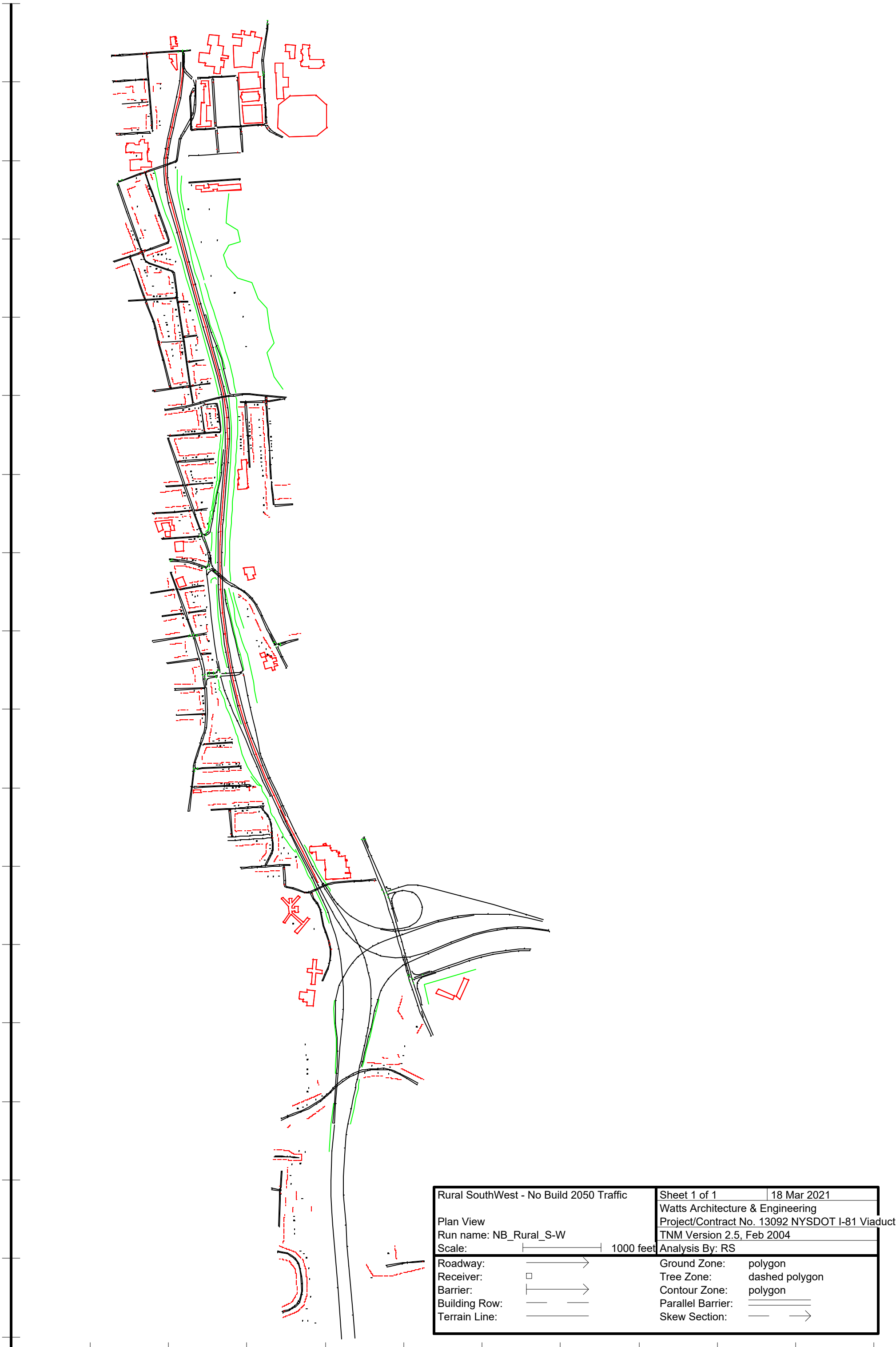

Rural NorthWest - No Build 2050 Traffic
Plan View
Run name: NB_Rural_NW
Scale: 20
Sheet 1 of 1
18 Mar 2021
Watts Architecture & Engineering
Project/Contract No. 13092 NYSDOT I-81 Viaduct
TNM Version 2.5, Feb 2004
Analysis By: RS
Roadway:
Receiver:
Barrier:
Building Row:
Terrain Line:
Ground Zone: polygon
Tree Zone: dashed polygon
Contour Zone: polygon
Parallel Barrier:
Skew Section:
000
930000
932000
934000
936000
938000
940000
942000



Rural SouthEast - No Build 2050 Traffic	Sheet 1 of 1 | 18 Mar 2021
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: NB_Rural_S-E_2019	TNM Version 2.5, Feb 2004
Scale: 2000 feet	Analysis By: RS

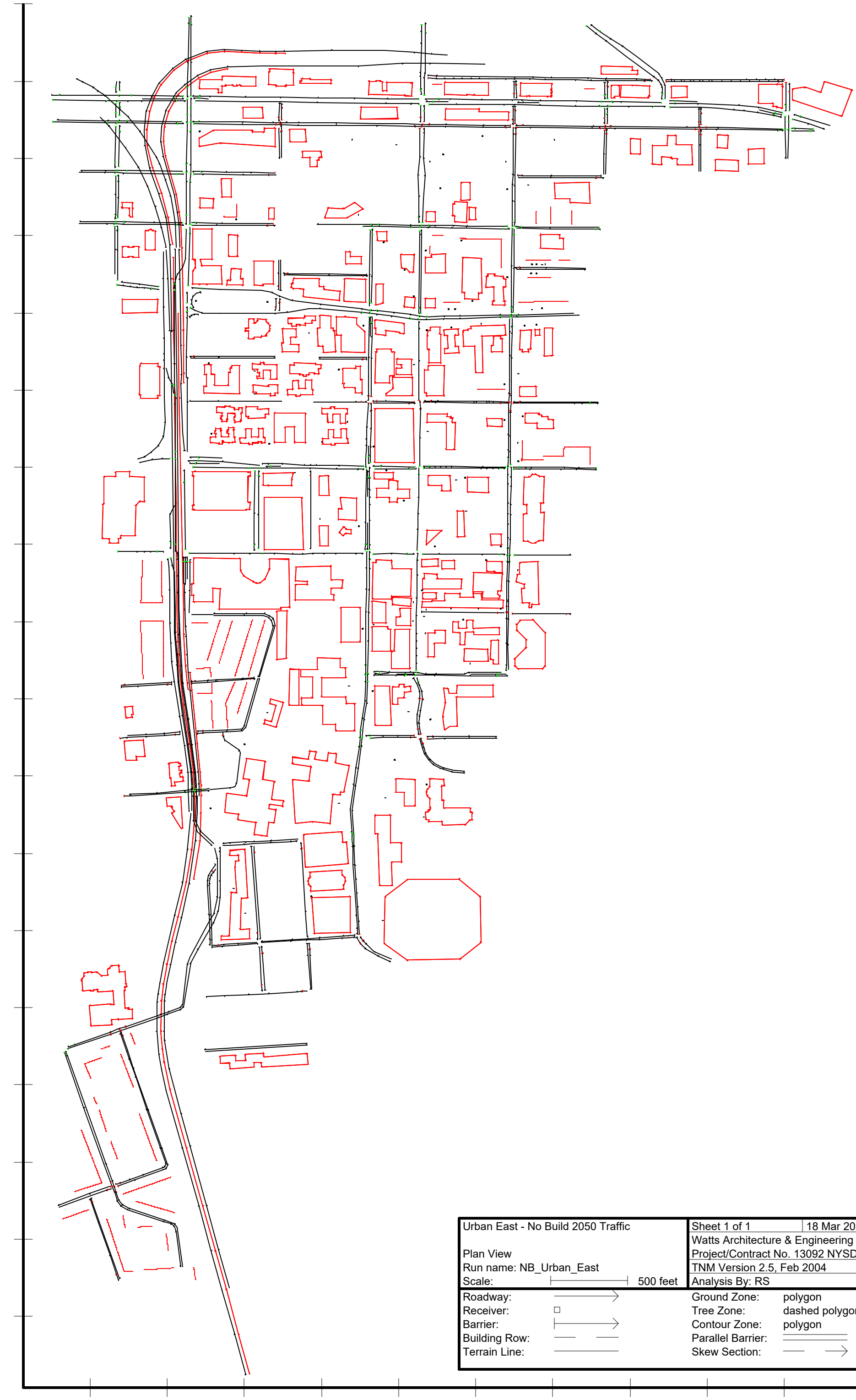
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

00 942000 944000 946000 948000 950000 952000 954000 956000 958000 960000 962000 964000 966000



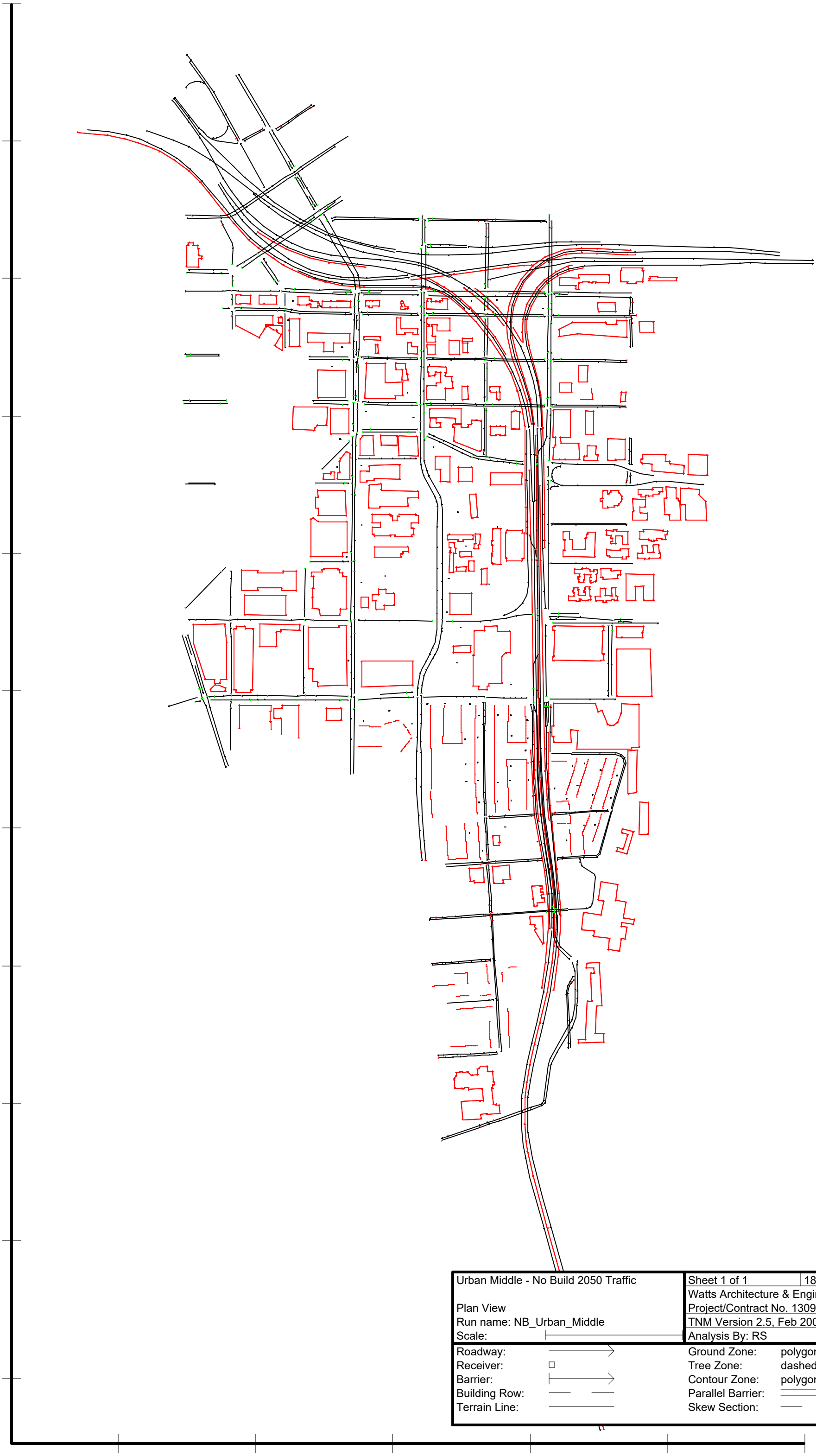
Rural SouthWest - No Build 2050 Traffic	Sheet 1 of 1 | 18 Mar 2021
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: NB_Rural_S-W	TNM Version 2.5, Feb 2004
Scale: 1000 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



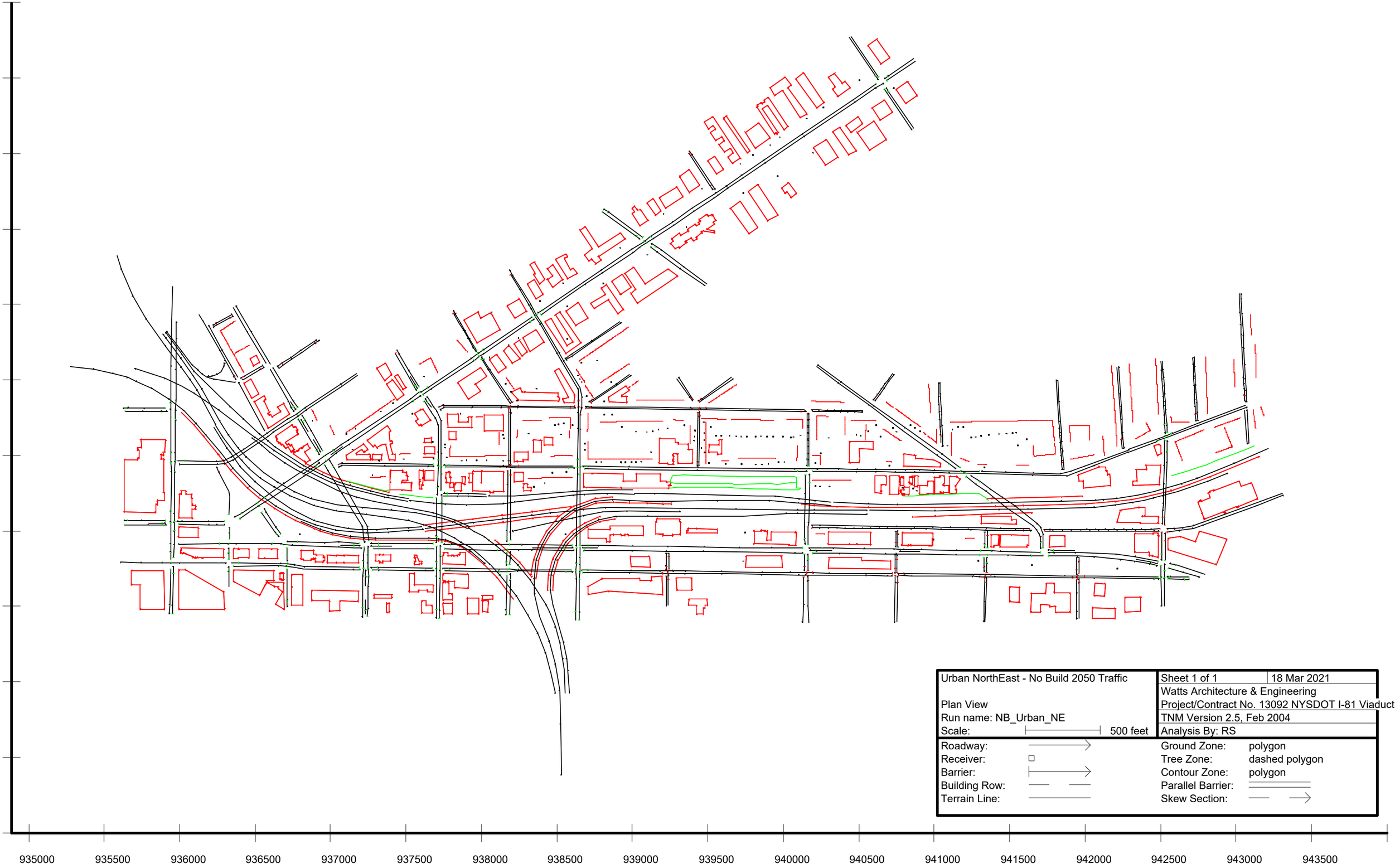
Urban East - No Build 2050 Traffic	Sheet 1 of 1 | 18 Mar 2021
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: NB_Urban_East	TNM Version 2.5, Feb 2004
Scale: 500 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Urban Middle - No Build 2050 Traffic	Sheet 1 of 1 | 18 Mar 2021
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: NB_Urban_Middle	TNM Version 2.5, Feb 2004
Scale:	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	


Urban NorthEast - No Build 2050 Traffic
Plan View
Run name: NB_Urban_NE
Scale: 500 feet
Sheet 1 of 1
18 Mar 2021
Watts Architecture & Engineering
Project/Contract No. 13092 NYSDOT I-81 Viaduct
TNM Version 2.5, Feb 2004
Analysis By: RS
Roadway:
Receiver:
Barrier:
Building Row:
Terrain Line:
Ground Zone: polygon
Tree Zone: dashed polygon
Contour Zone: polygon
Parallel Barrier:
Skew Section:
4500
935000
935500
936000
936500
937000
937500
938000
938500
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939500
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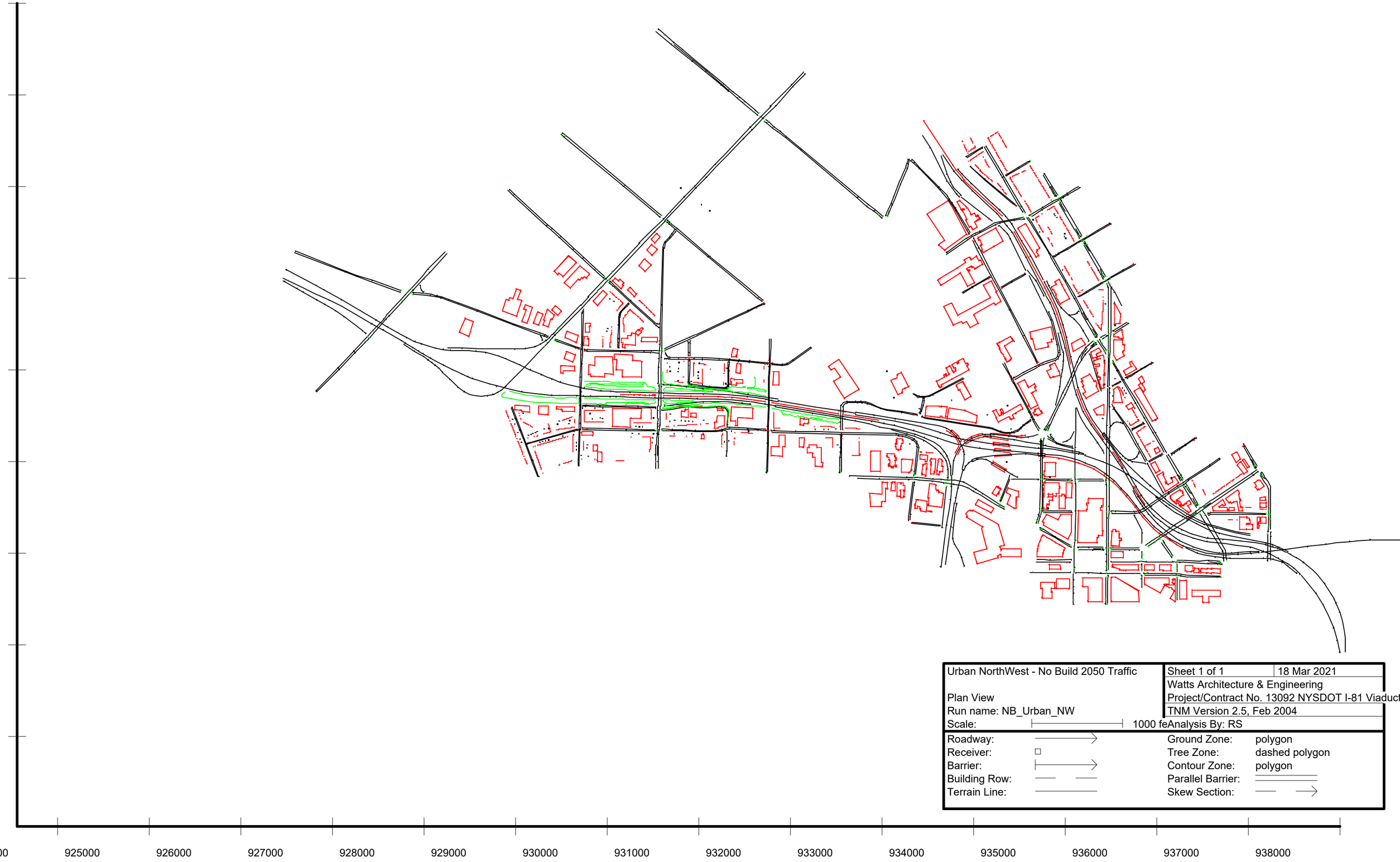
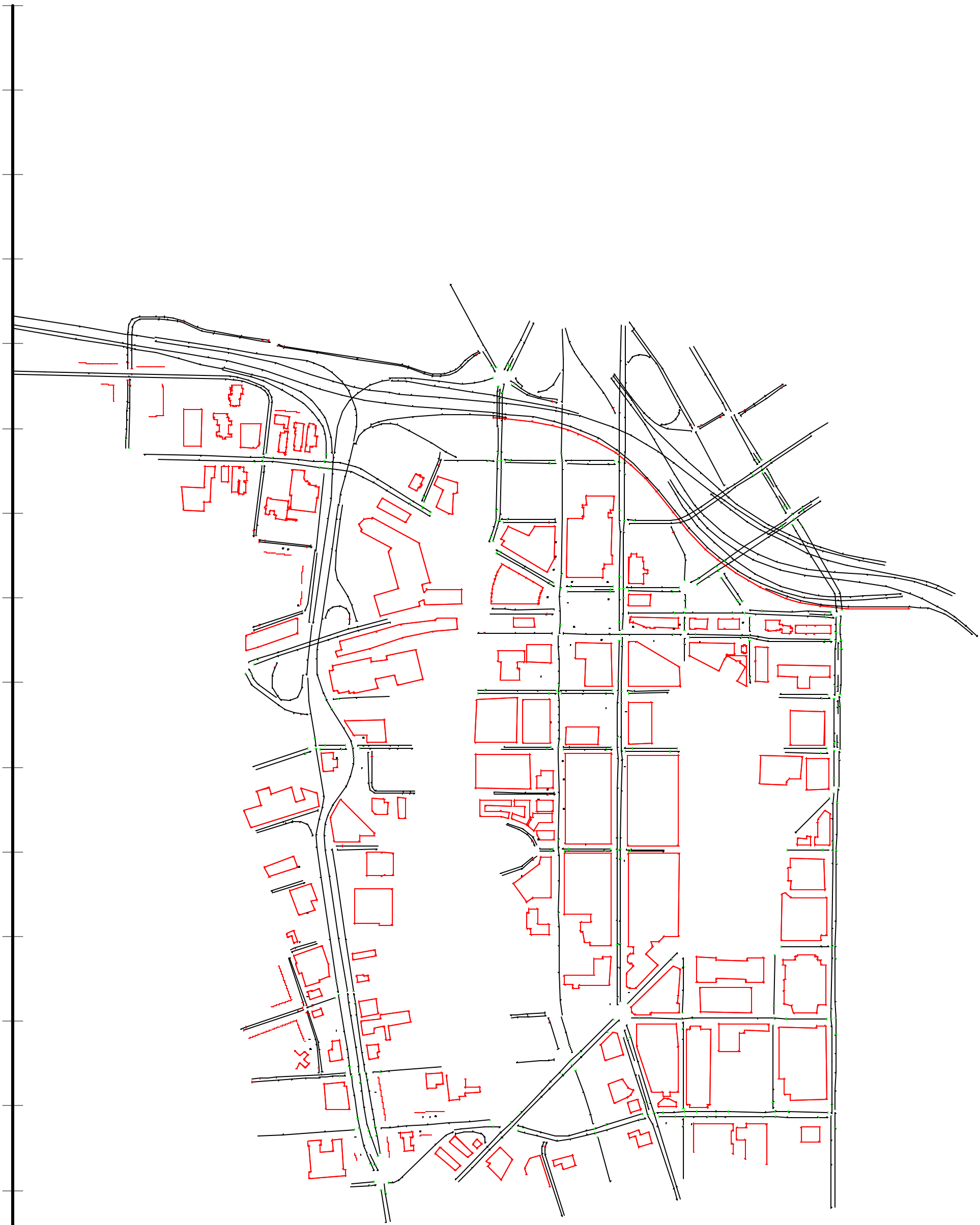


Urban NorthWest - No Build 2050 Traffic		Sheet 1 of 1	18 Mar 2021
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: NB_Urban_NW		TNM Version 2.5, Feb 2004	
Scale:	1000 fe	Analysis By: RS	

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



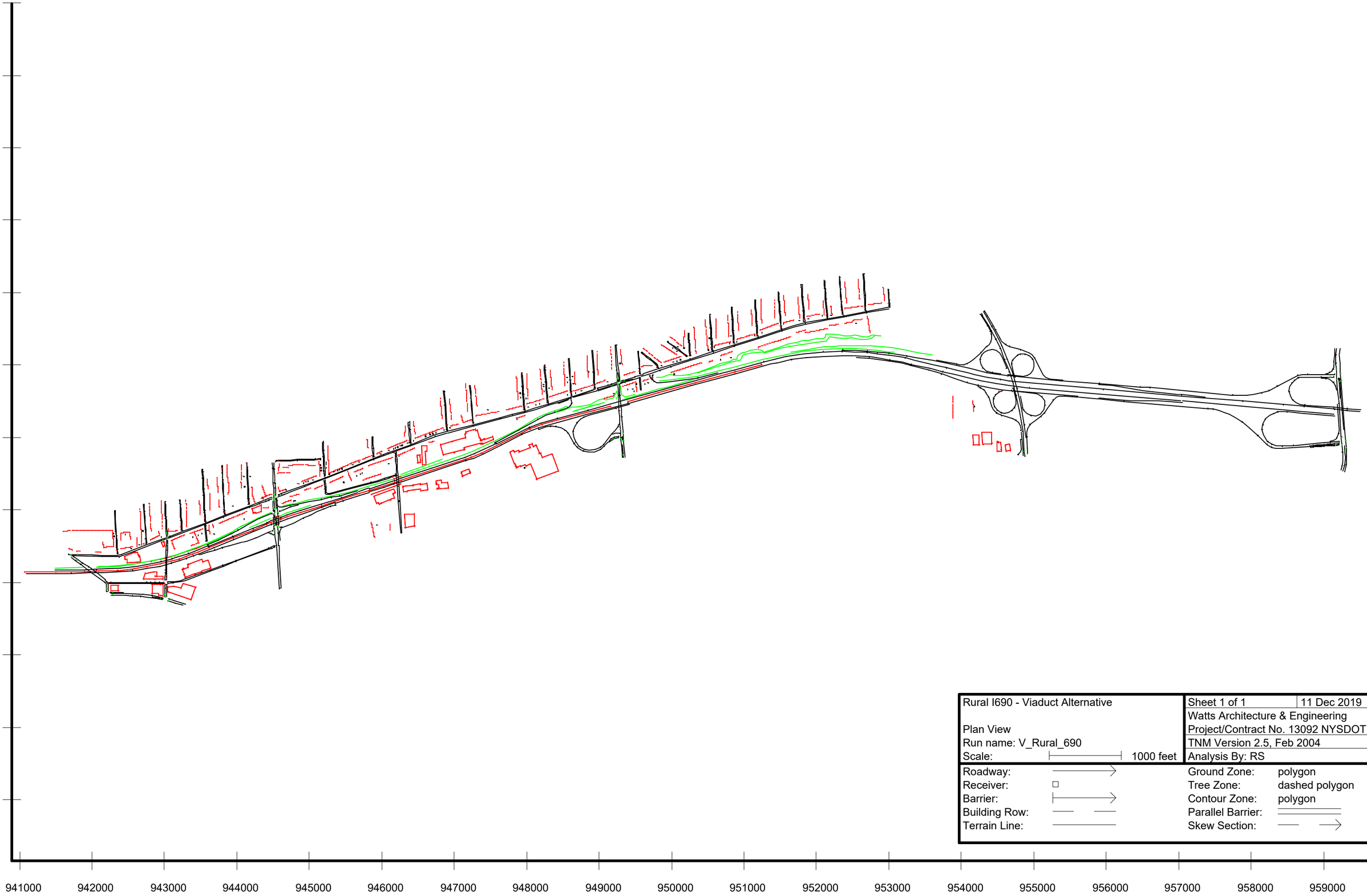
Urban West - No Build 2050 Traffic	Sheet 1 of 1 | 18 Mar 2021
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: NB_Urban_W	TNM Version 2.5, Feb 2004
Scale: 500 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

2000 932500 933000 933500 934000 934500 935000 935500 936000 936500 937000 937500

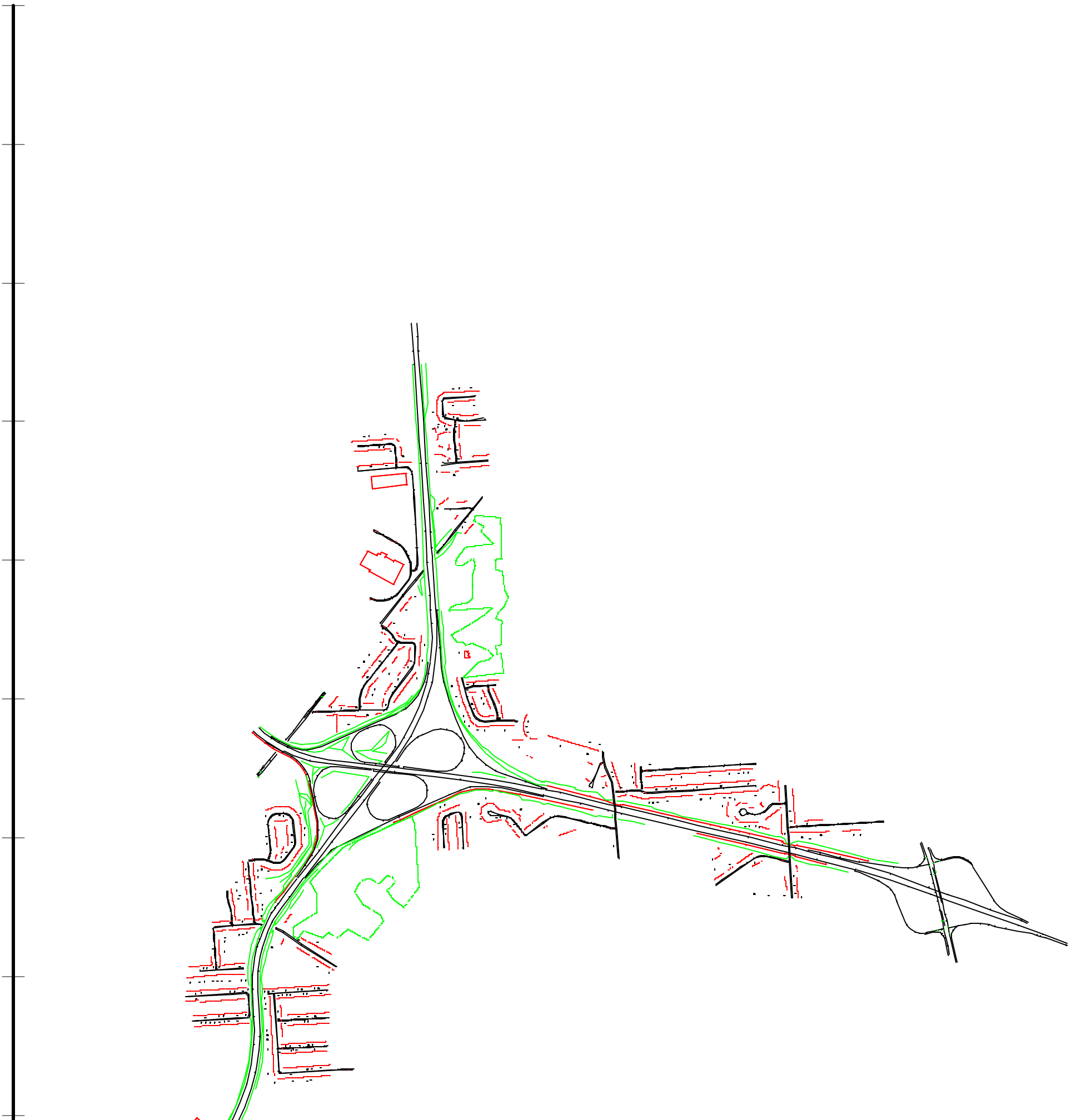
ATTACHMENT P

2050 Viaduct Alternative Conditions TNM Model Plan Views



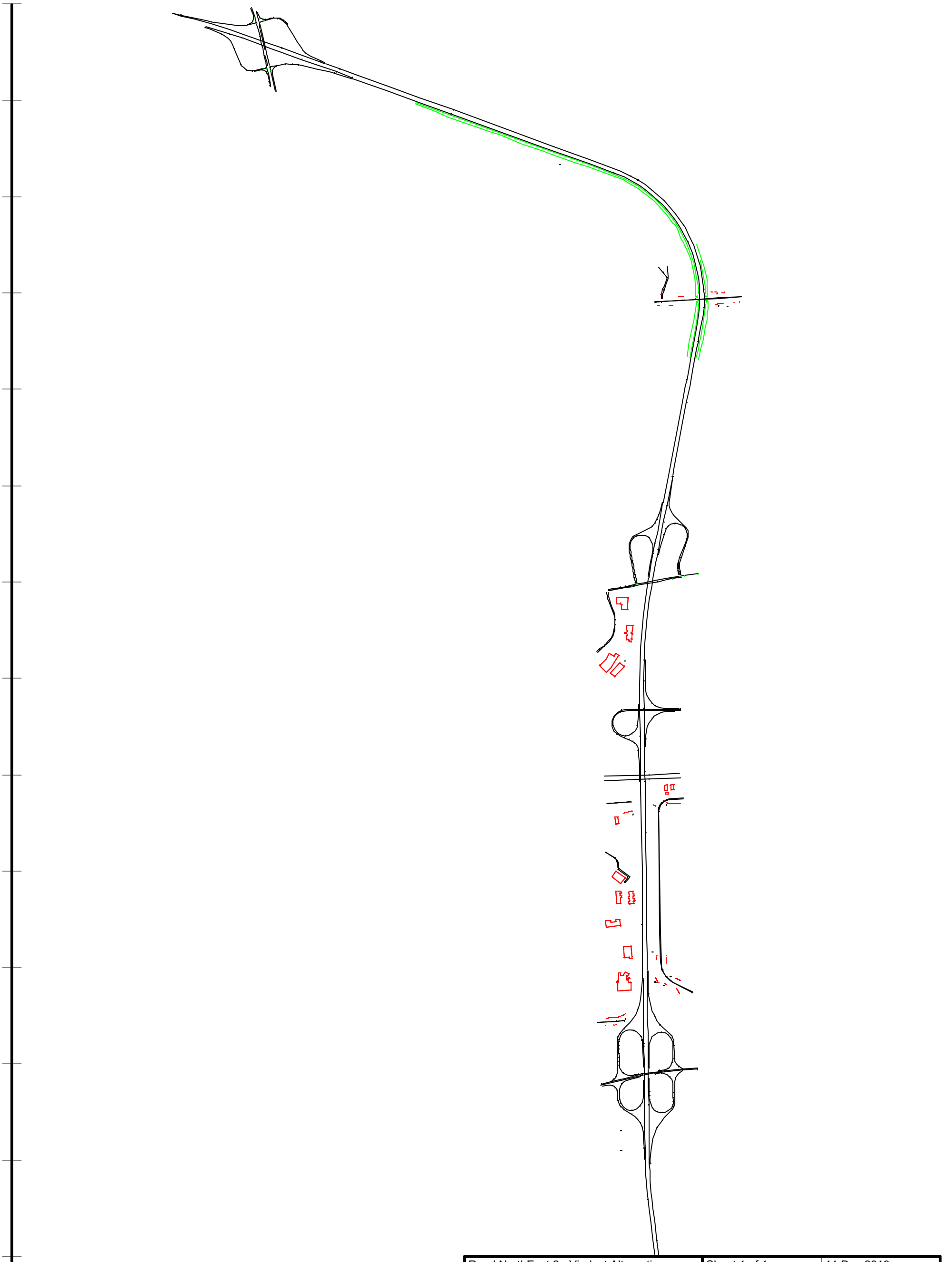
Rural I690 - Viaduct Alternative	Sheet 1 of 1 | 11 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: V_Rural_690	TNM Version 2.5, Feb 2004
Scale: 1000 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Rural NorthEast 1 - Viaduct Alternative		Sheet 1 of 1	17 Dec 2019
		Parsons / Watts Arch & Eng	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: V_Rural_NE-N		TNM Version 2.5, Feb 2004	
Scale:	20(	Analysis By: MS JO RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

942000 944000 946000 948000 950000 952000 954000 956000



Rural NorthEast 2 - Viaduct Alternative

Plan View

Run name: V_Rural_NE-S

Scale: 2000 fe

Sheet 1 of 1 | 11 Dec 2019

Parsons / Watts Arch & Eng

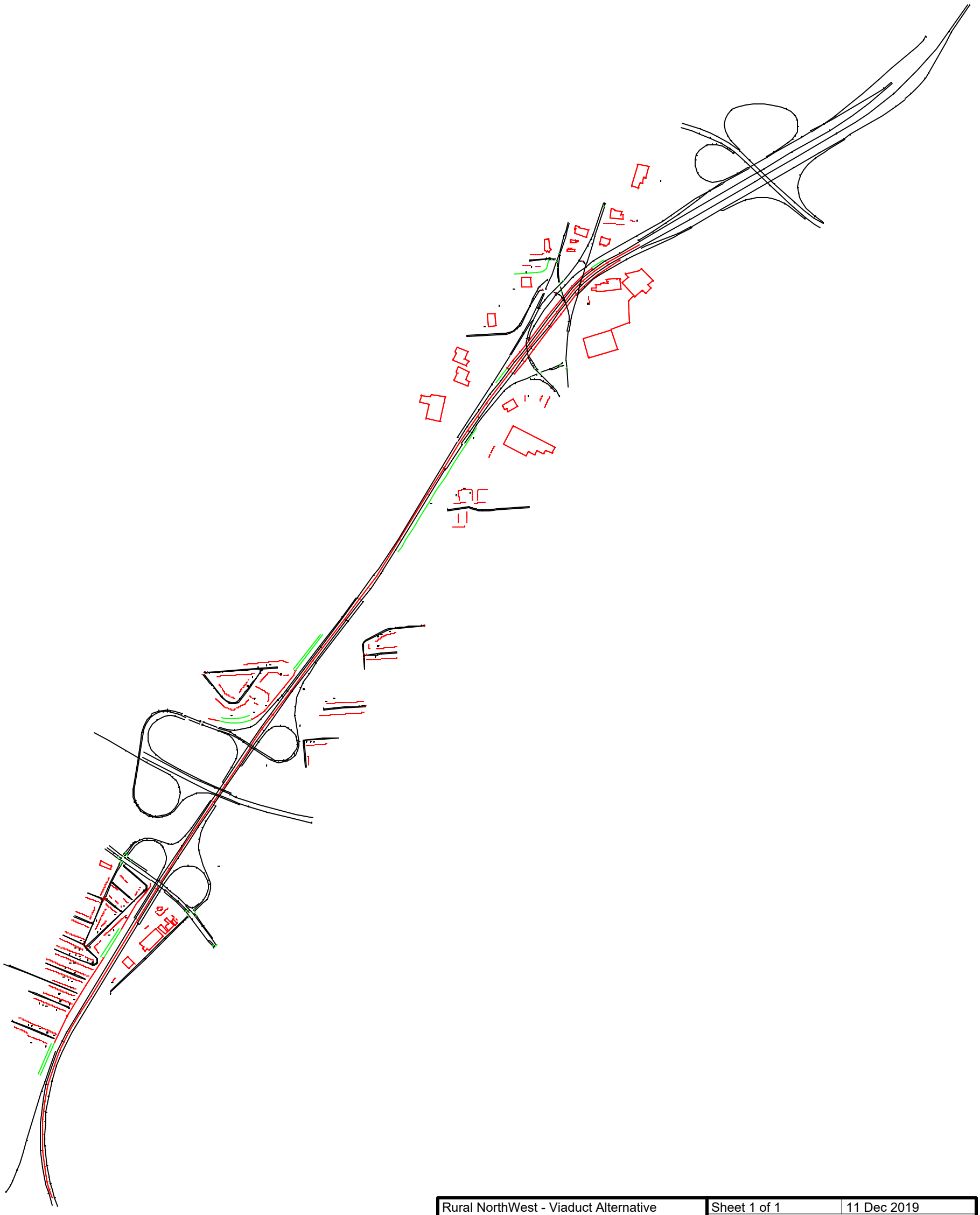
Project/Contract No. 13092 NYSDOT I-81 Viaduct

TNM Version 2.5, Feb 2004

Analysis By: MS JO RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

950000 952000 954000 956000 958000 960000 962000 964000 966000 968000

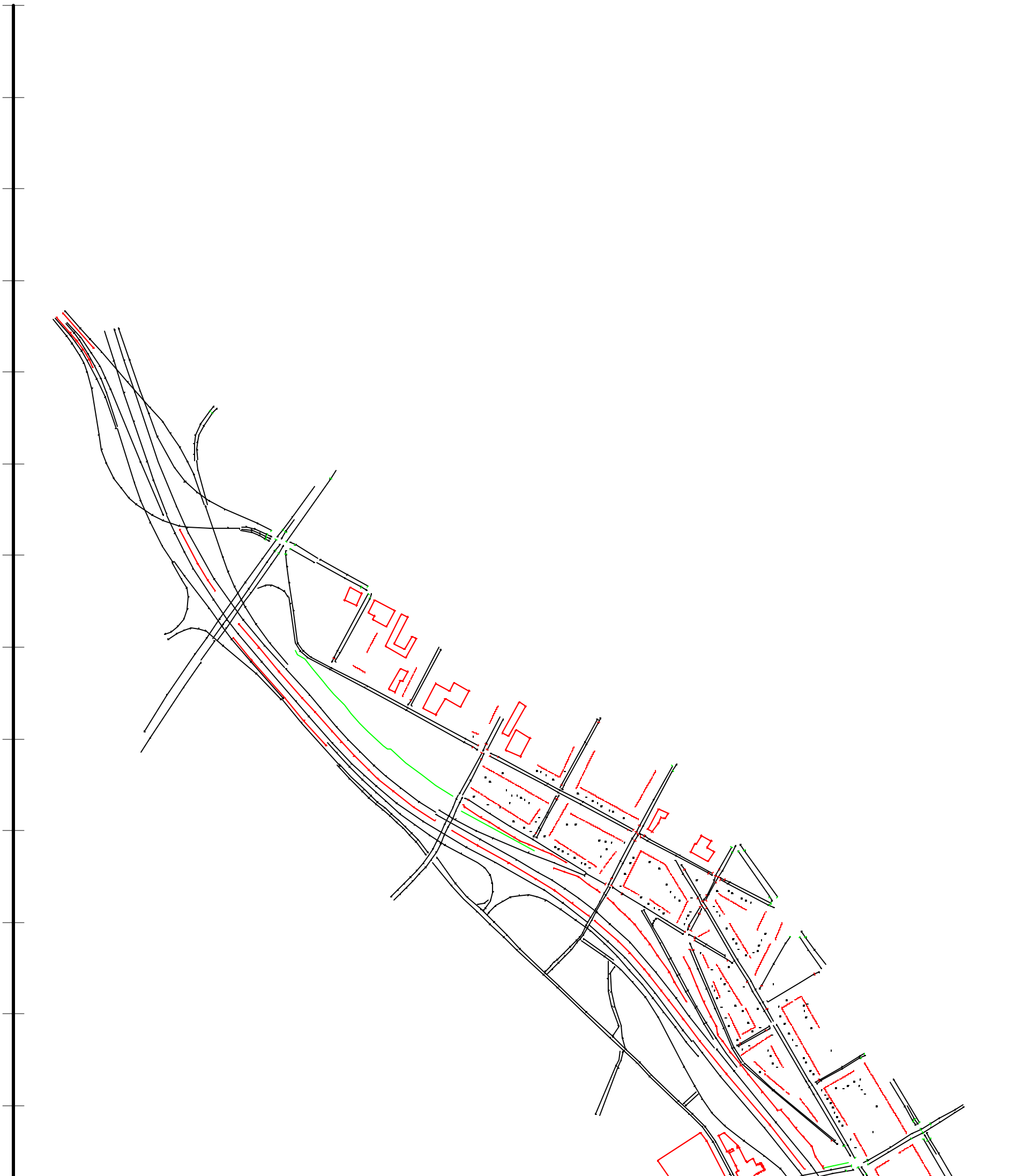


Rural NorthWest - Viaduct Alternative		Sheet 1 of 1	11 Dec 2019
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: V_Rural_NW-N		TNM Version 2.5, Feb 2004	
Scale:	2	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

930000 932000 934000 936000 938000 940000 942000

Rural NorthWest - Viaduct Alternative	Sheet 1 of 1 | 11 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: V_Rural_NW-S-few	TNM Version 2.5, Feb 2004
Scale: 500 fee	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Rural NorthWest - Viaduct Alternative	Sheet 1 of 1 | 11 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: V_Rural_NW-S	TNM Version 2.5, Feb 2004
Scale: 500 feet	Analysis By: RS

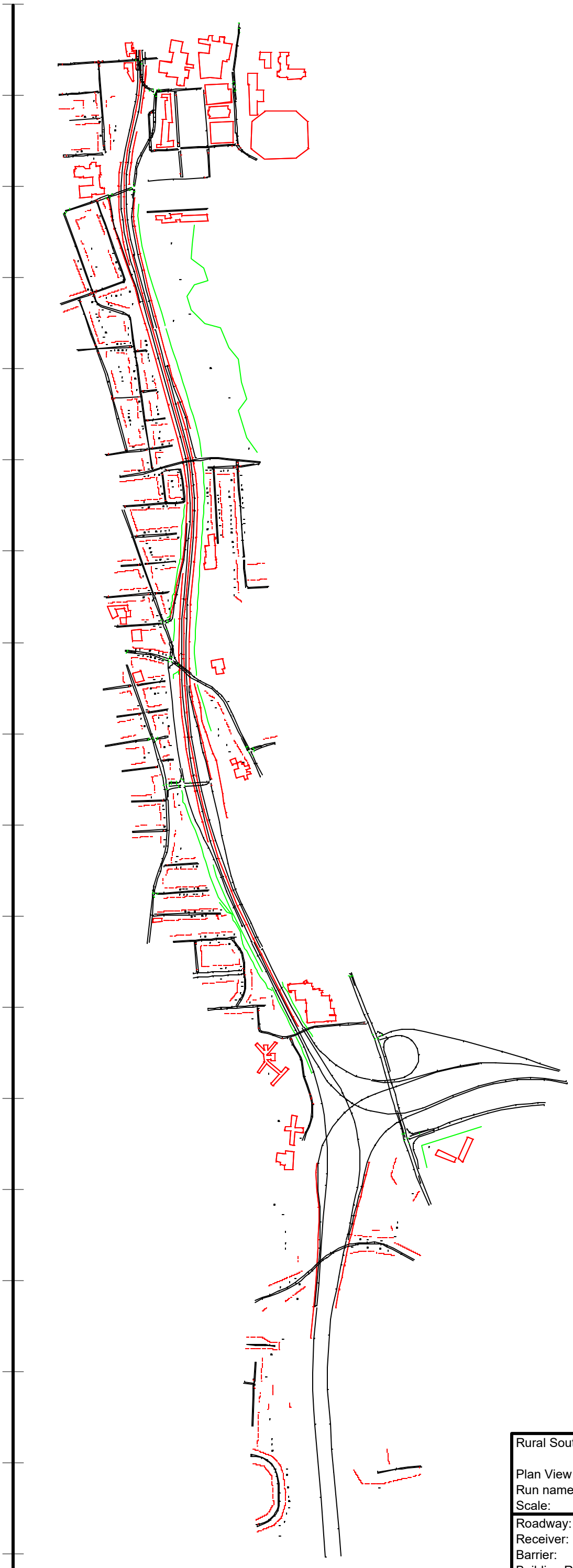
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

930500 931000 931500 932000 932500 933000 933500 934000 934500 935000 935500

Rural South - Viaduct Alternative	Sheet 1 of 1 | 11 Dec 2019
	Parsons / Watts Arch & Eng
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: V_Rural_S-E_2019	TNM Version 2.5, Feb 2004
Scale: 2000 feet	Analysis By: RS MS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

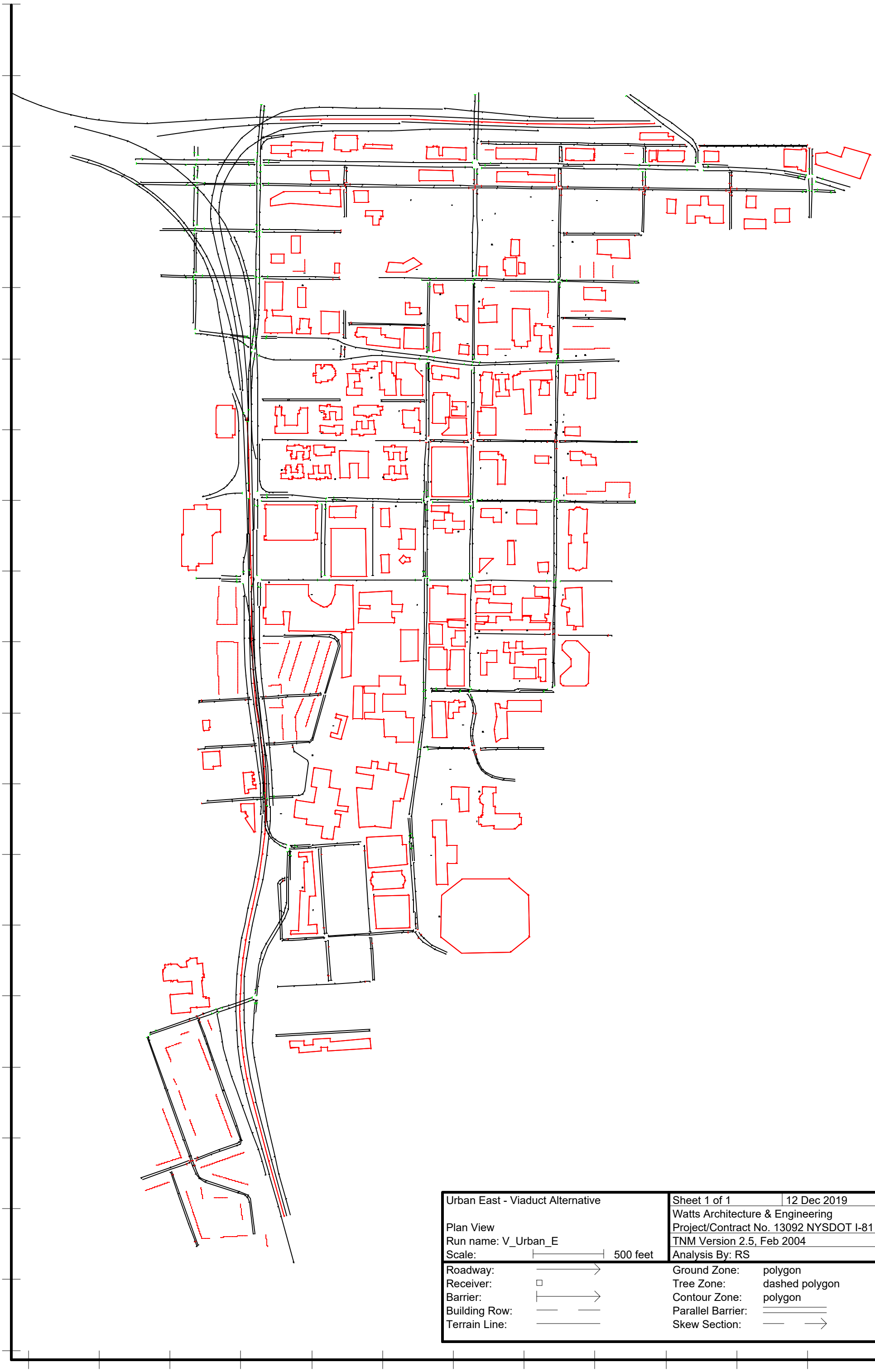
00 942000 944000 946000 948000 950000 952000 954000 956000 958000 960000 962000 964000 966000



Rural South - Viaduct Alternative	Sheet 1 of 1 | 17 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: V_Rural_S-W	TNM Version 2.5, Feb 2004
Scale: 1000 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

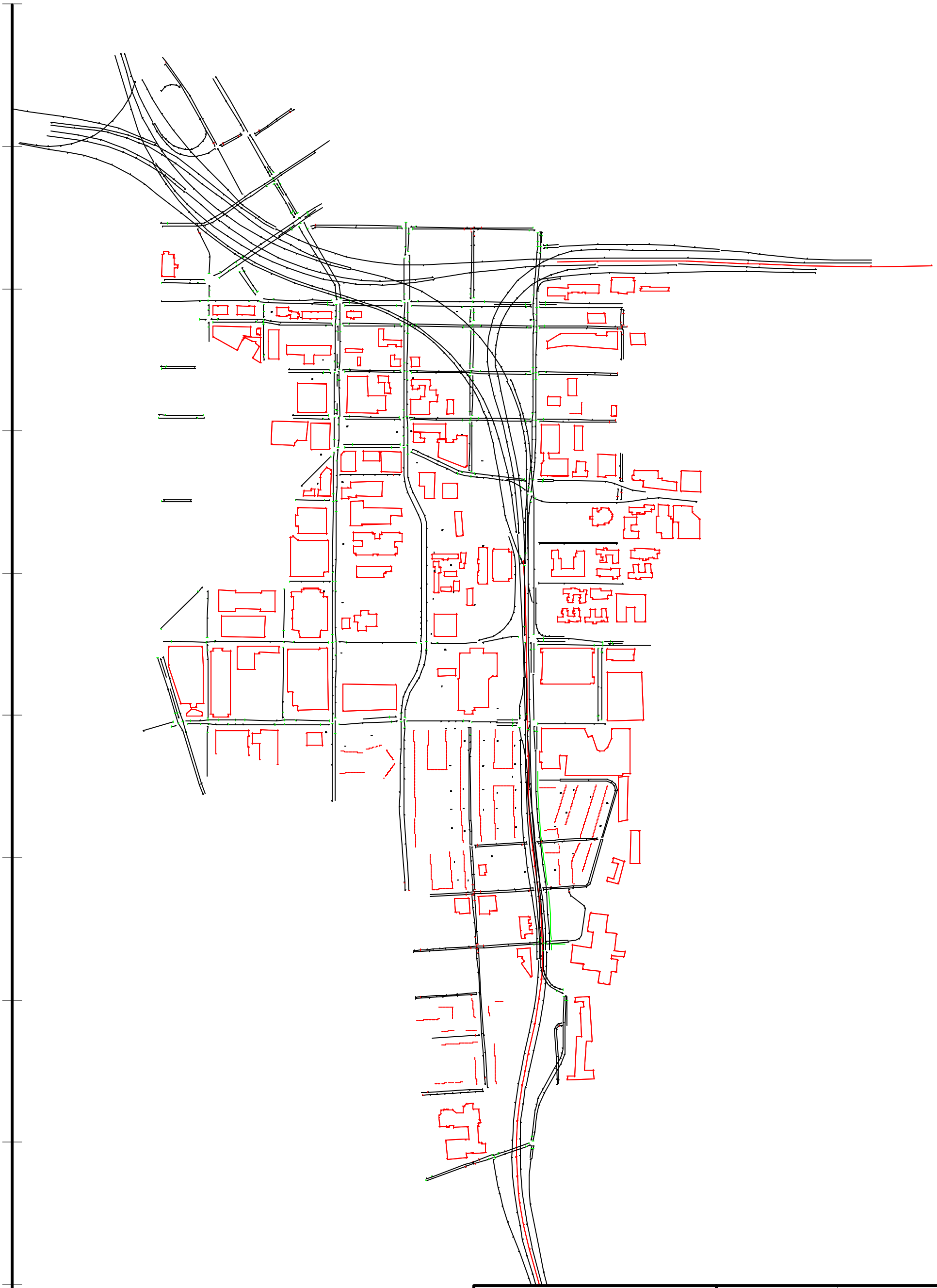
7000 938000 939000 940000 941000 942000 943000 944000 945000 946000 947000 948000



Urban East - Viaduct Alternative	Sheet 1 of 1 | 12 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: V_Urban_E	TNM Version 2.5, Feb 2004
Scale: 500 feet	Analysis By: RS

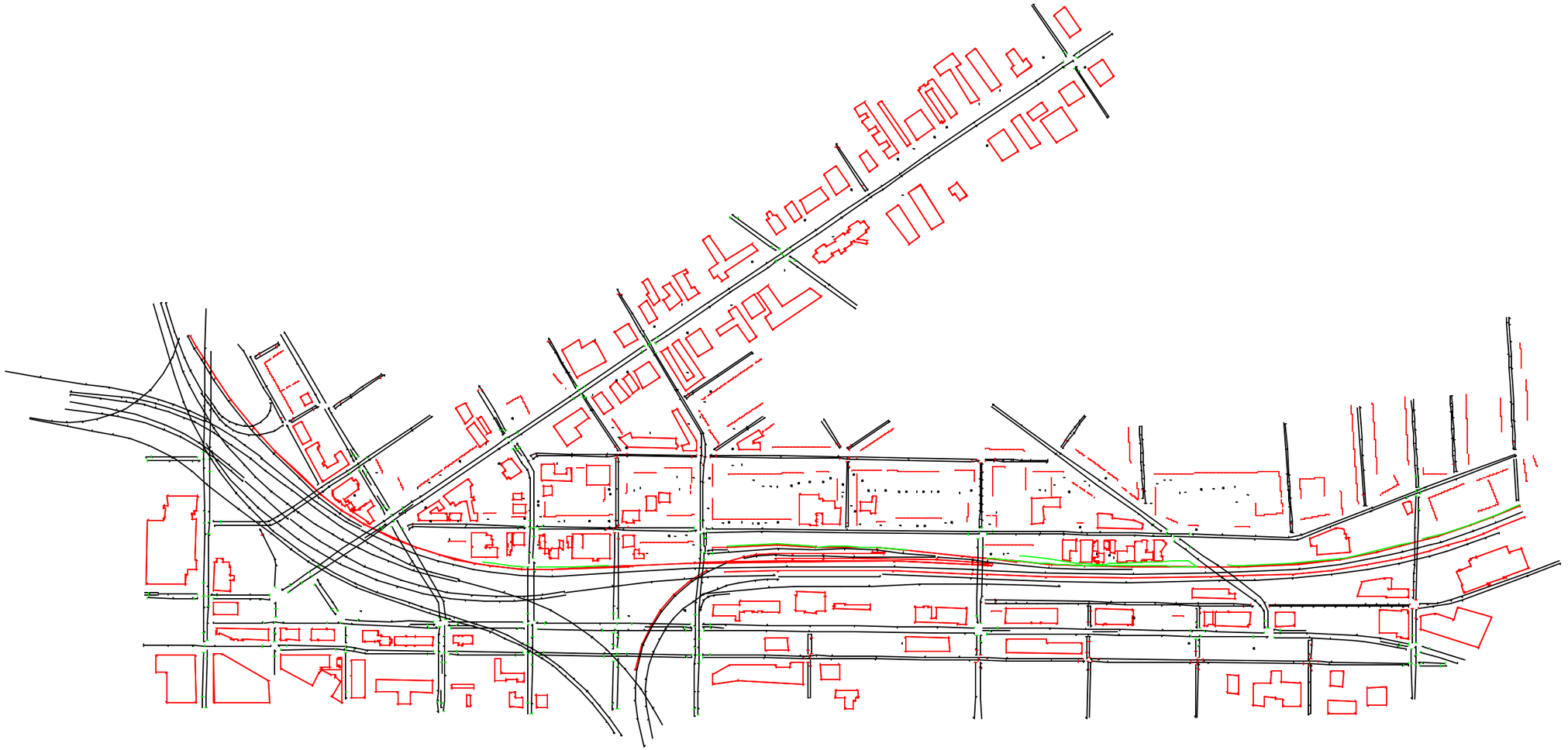
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

6500 937000 937500 938000 938500 939000 939500 940000 940500 941000 941500 942000 942500



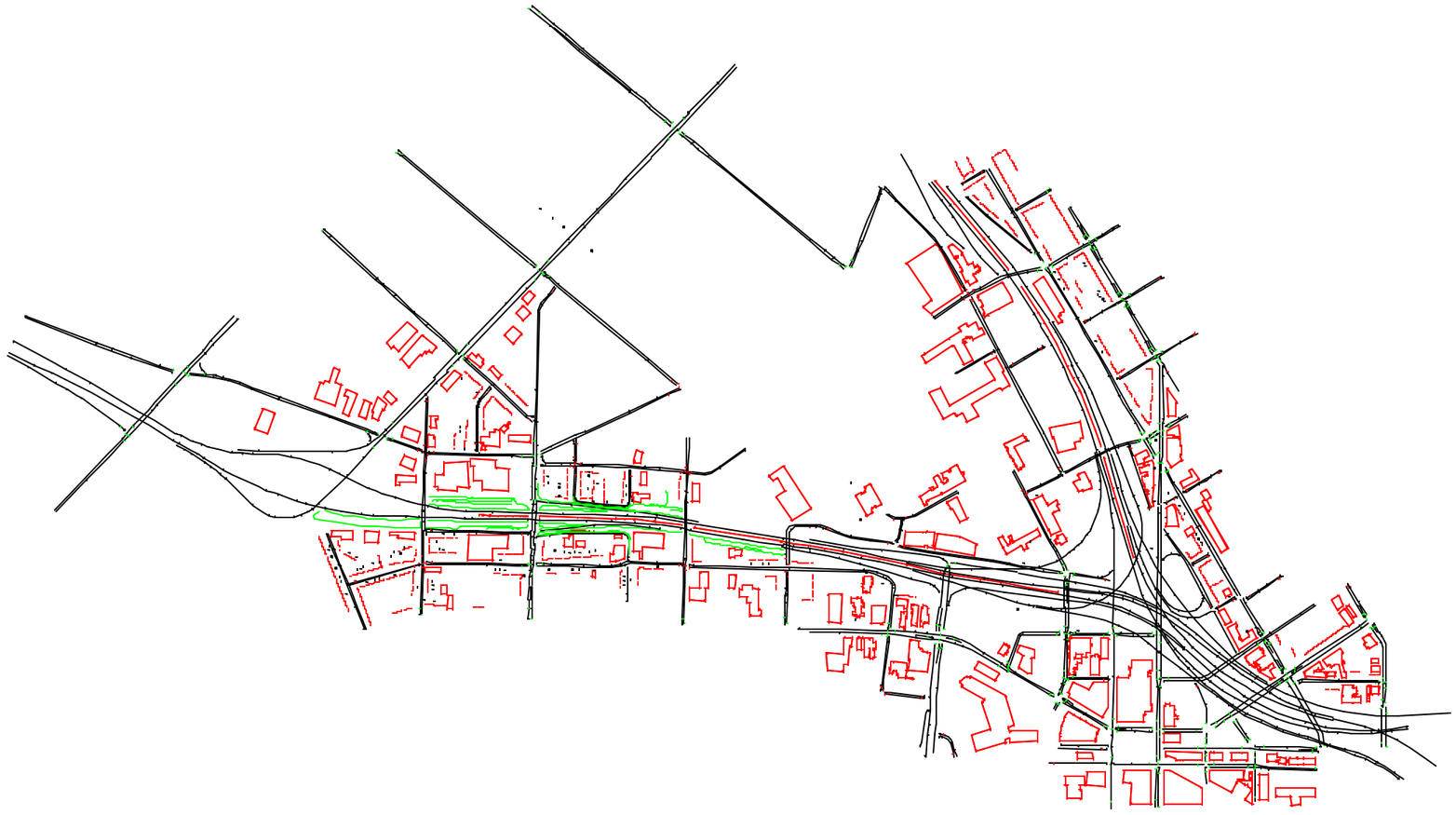
Urban Middle - Viaduct Alternative	Sheet 1 of 1 | 12 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: V_Urban_Mid	TNM Version 2.5, Feb 2004
Scale:	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



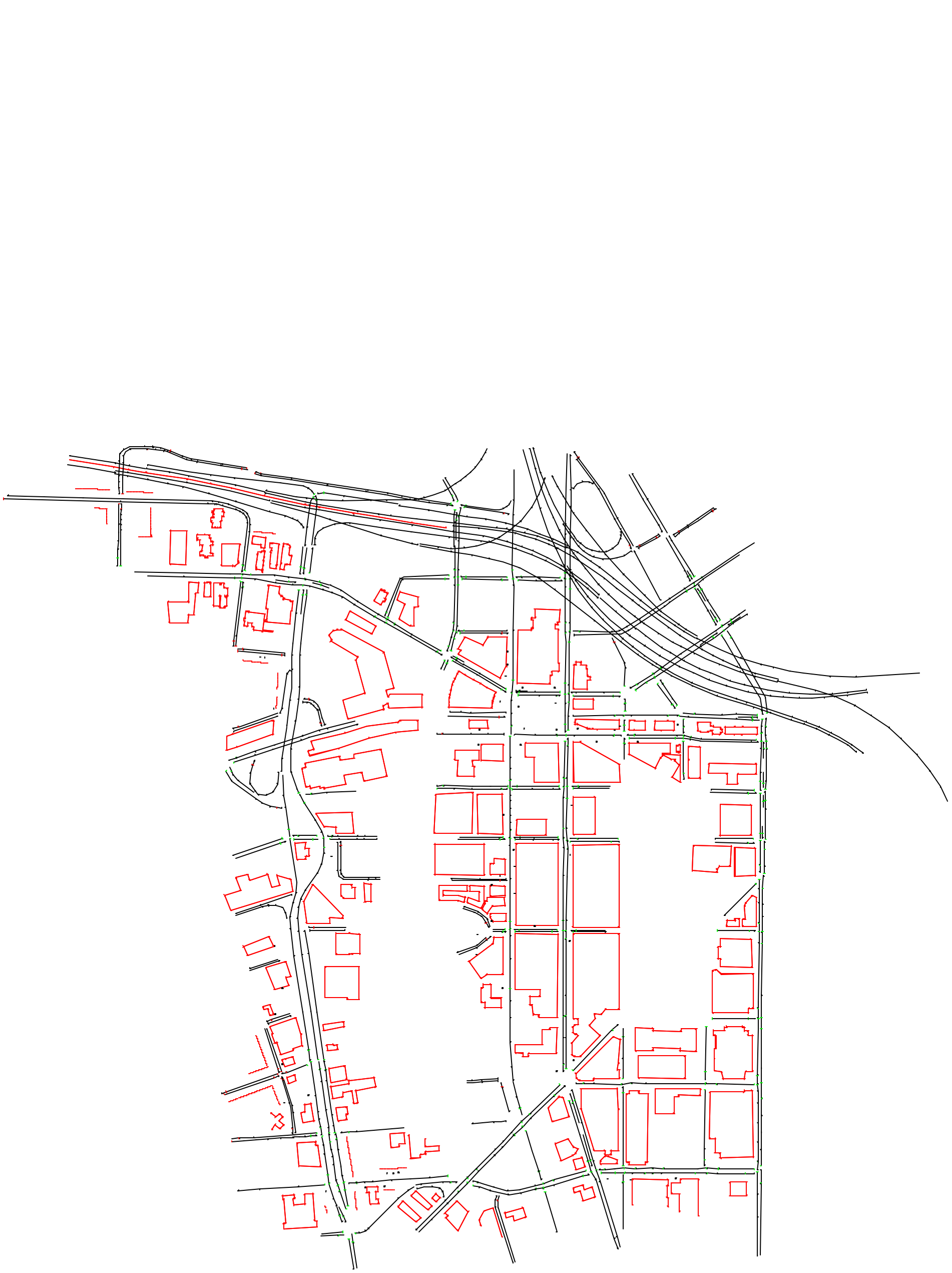
Urban NorthEast -Viaduct Alternative		Sheet 1 of 1	19 Dec 2019
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: 3		TNM Version 2.5, Feb 2004	
Scale:		Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

-000 935000 936000 937000 938000 939000 940000 941000 942000 943000 944000



Urban NorthWest - Viaduct Alternative		Sheet 1 of 1	12 Dec 2019
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: V_Urban_NW		TNM Version 2.5, Feb 2004	
Scale:	1000 feet	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

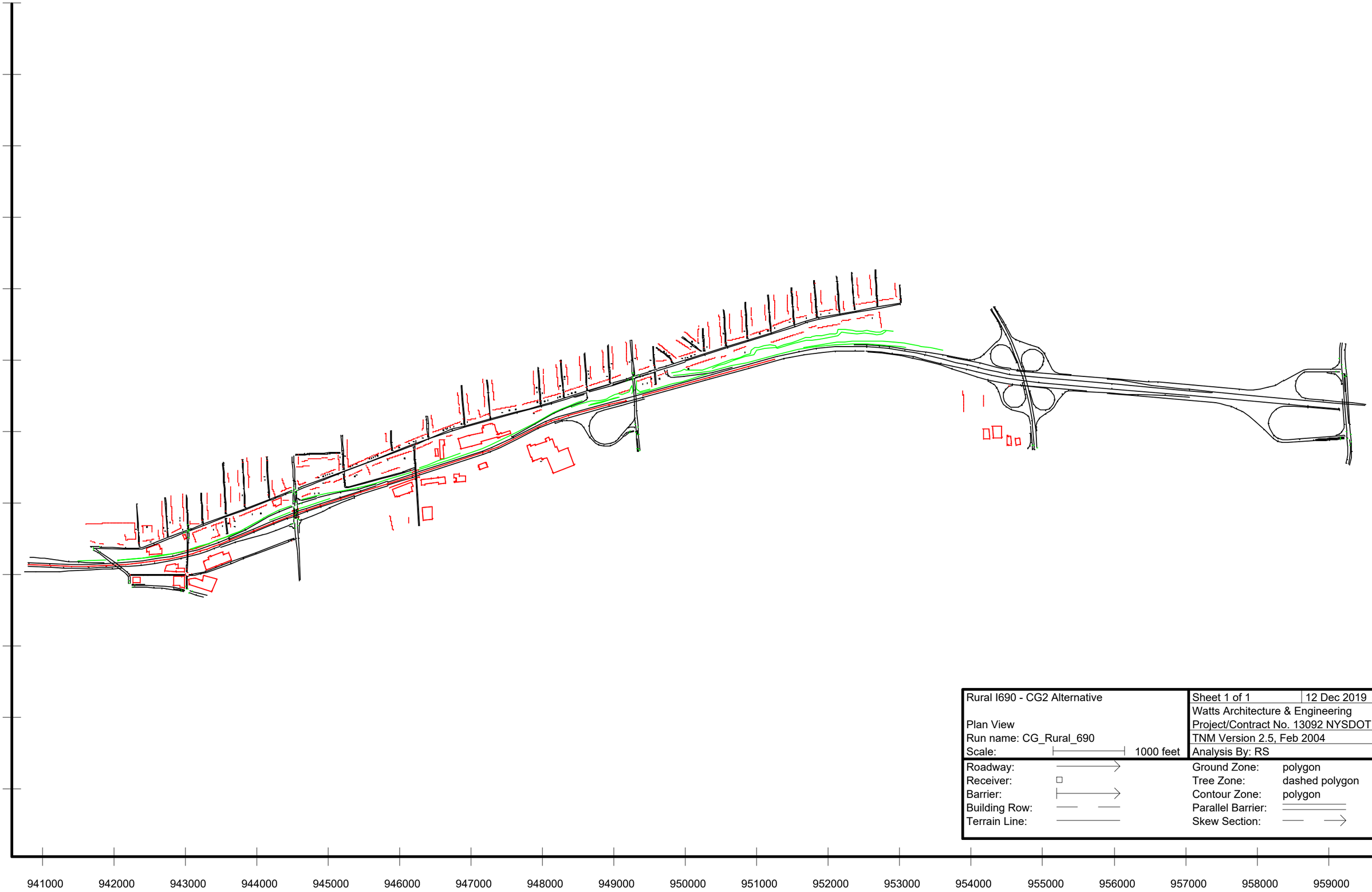
000 926000 927000 928000 929000 930000 931000 932000 933000 934000 935000 936000 937000 938000 939000 940000 941000 942000



Urban West - Viaduct Alternative		Sheet 1 of 1	12 Dec 2019
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: V_Urban_W		TNM Version 2.5, Feb 2004	
Scale:	500 feet	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

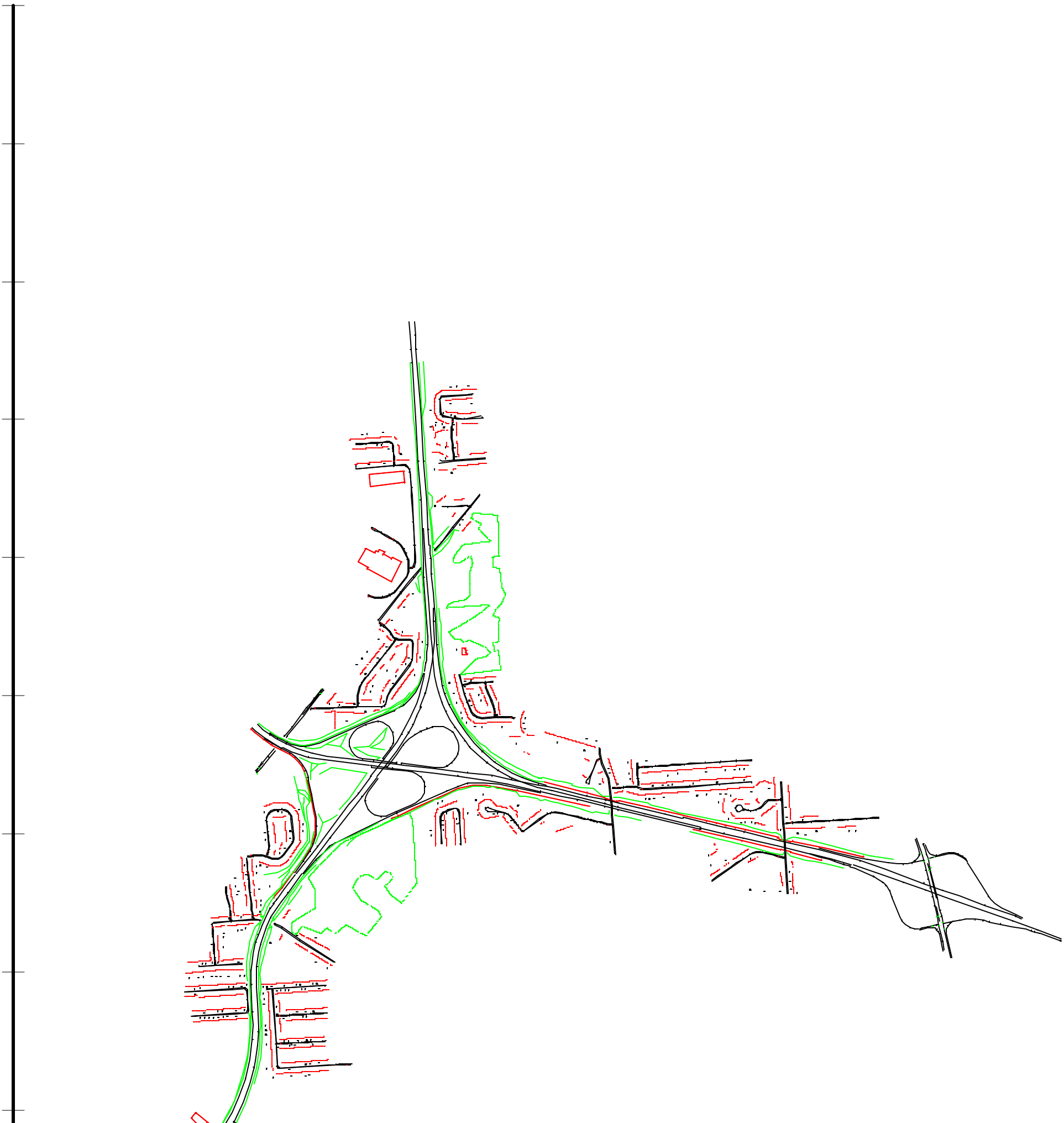
ATTACHMENT Q

2050 Community Grid Alternative Conditions TNM Model Plan Views



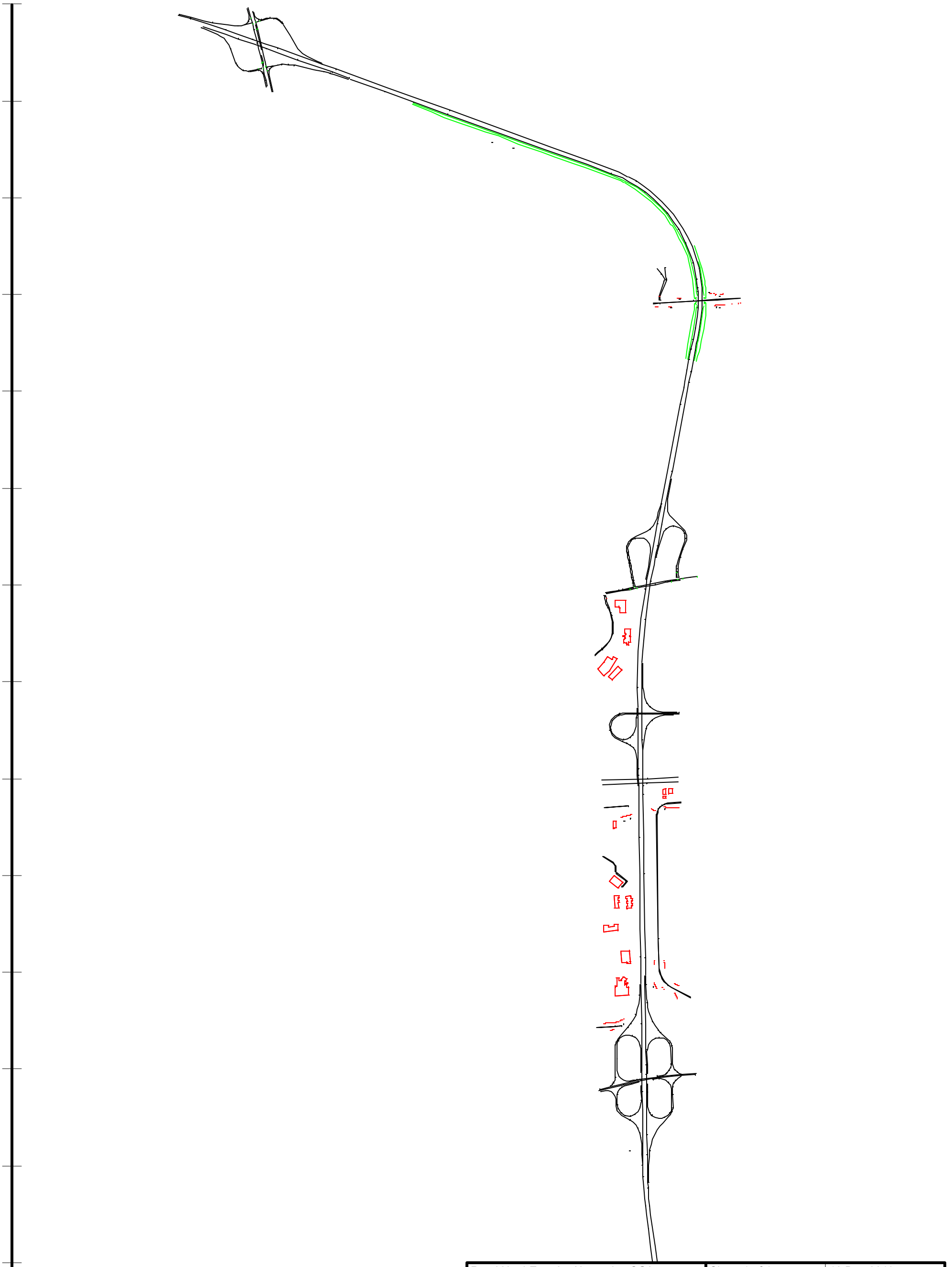
Rural I690 - CG2 Alternative	Sheet 1 of 1 | 12 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: CG_Rural_690	TNM Version 2.5, Feb 2004
Scale: 1000 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Rural NorthEast 1 - Alternative CG2		Sheet 1 of 1	17 Dec 2019
		Parsons / Watts Arch & Eng	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: CG_Rural_NE-N		TNM Version 2.5, Feb 2004	
Scale:	20(	Analysis By: MS JO RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

942000 944000 946000 948000 950000 952000 954000 956000



Rural NorthEast 2 - Alternative CG2

Plan View

Run name: CG_Rural_NE-S

Scale: 2000 fe

Sheet 1 of 1 | 12 Dec 2019

Parsons / Watts Arch & Eng

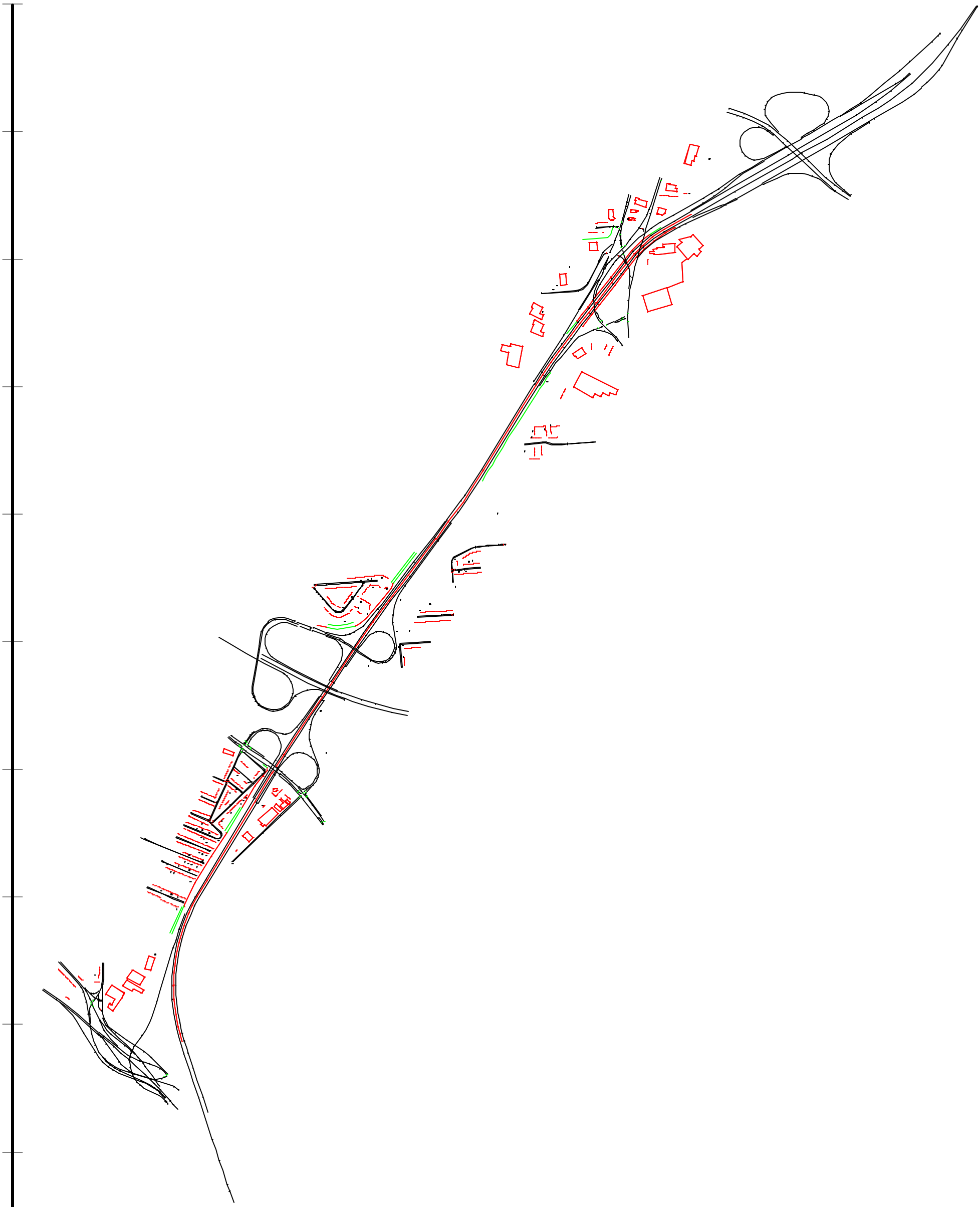
Project/Contract No. 13092 NYSDOT I-81 Viaduct

TNM Version 2.5, Feb 2004

Analysis By: MS JO RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

950000 952000 954000 956000 958000 960000 962000 964000 966000 968000



Rural NorthWest - CG2 Alternative

Plan View

Run name: CG_Rural_NW-N

Scale: 20

Sheet 1 of 1 | 12 Dec 2019

Watts Architecture & Engineering

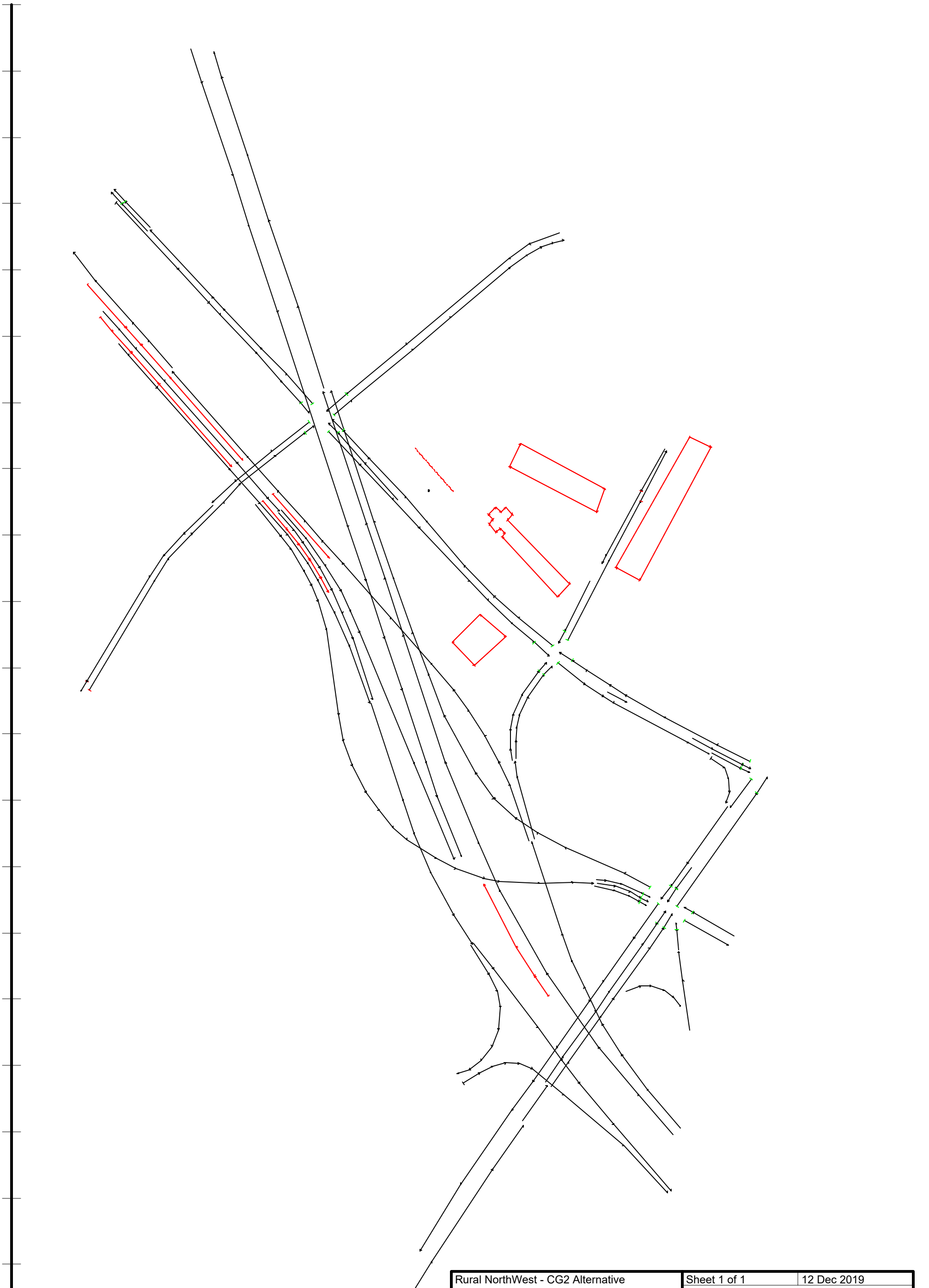
Project/Contract No. 13092 NYSDOT I-81 Viaduct

TNM Version 2.5, Feb 2004

Analysis By: RS

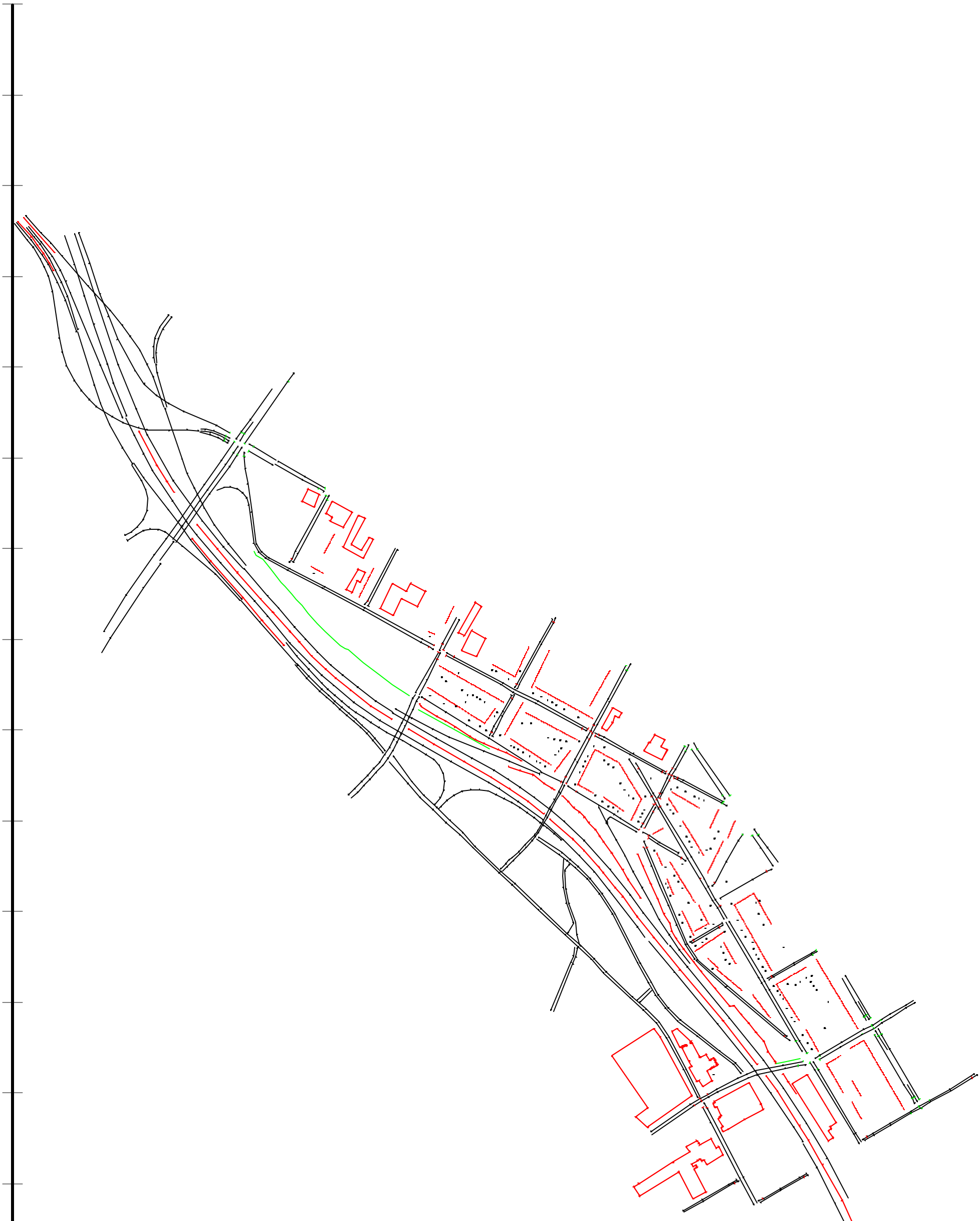
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

928000 930000 932000 934000 936000 938000 940000 942000



Rural NorthWest - CG2 Alternative	Sheet 1 of 1 | 12 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: CG_Rur_NW-S-single	TNM Version 2.5, Feb 2004
Scale: 200 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



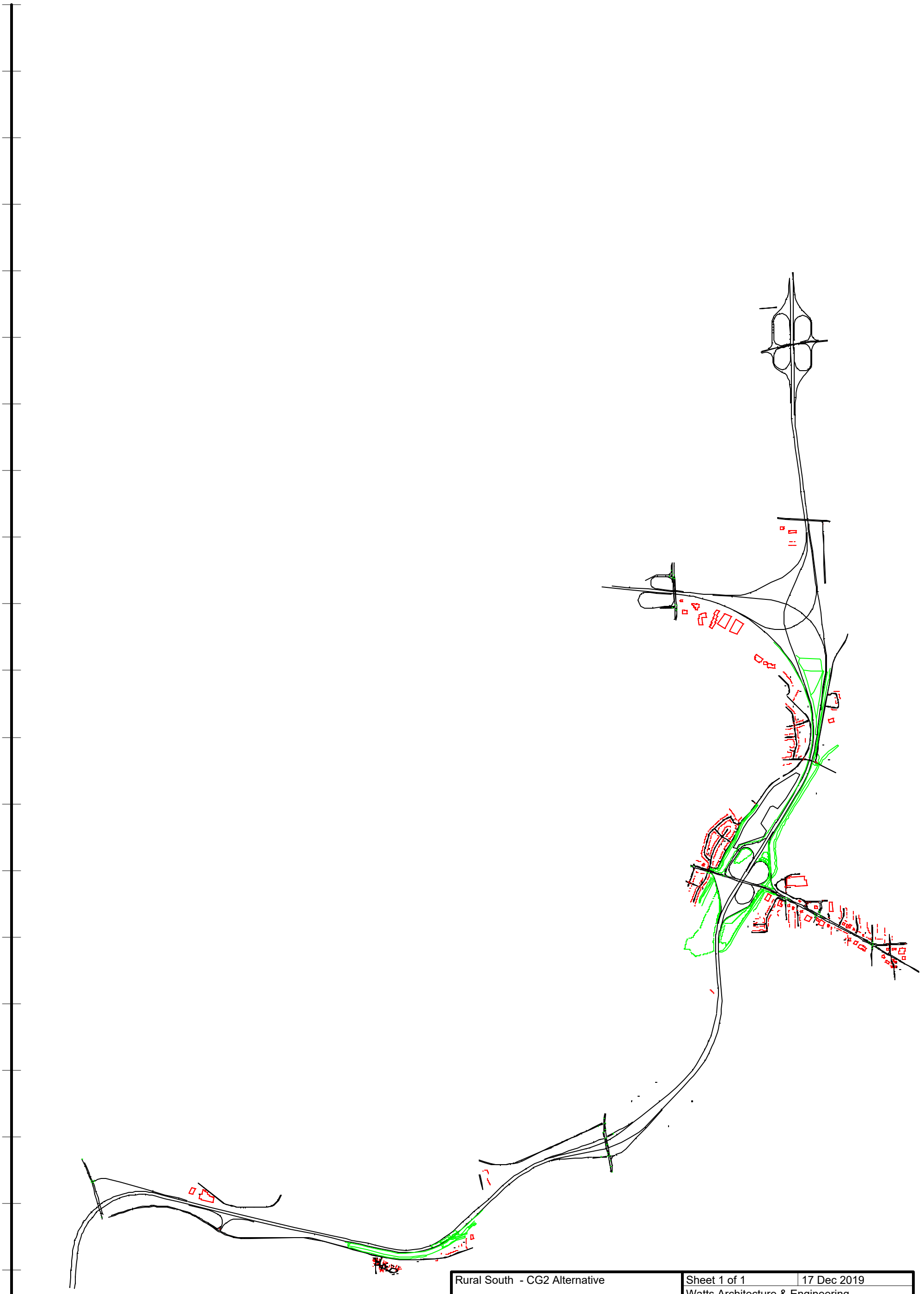
Rural NorthWest - CG2 Alternative

Plan View
Run name: CG_Rural_NW-S
Scale: 500 feet

Sheet 1 of 1 | 12 Dec 2019
Watts Architecture & Engineering
Project/Contract No. 13092 NYSDOT I-81 Viaduct
TNM Version 2.5, Feb 2004
Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

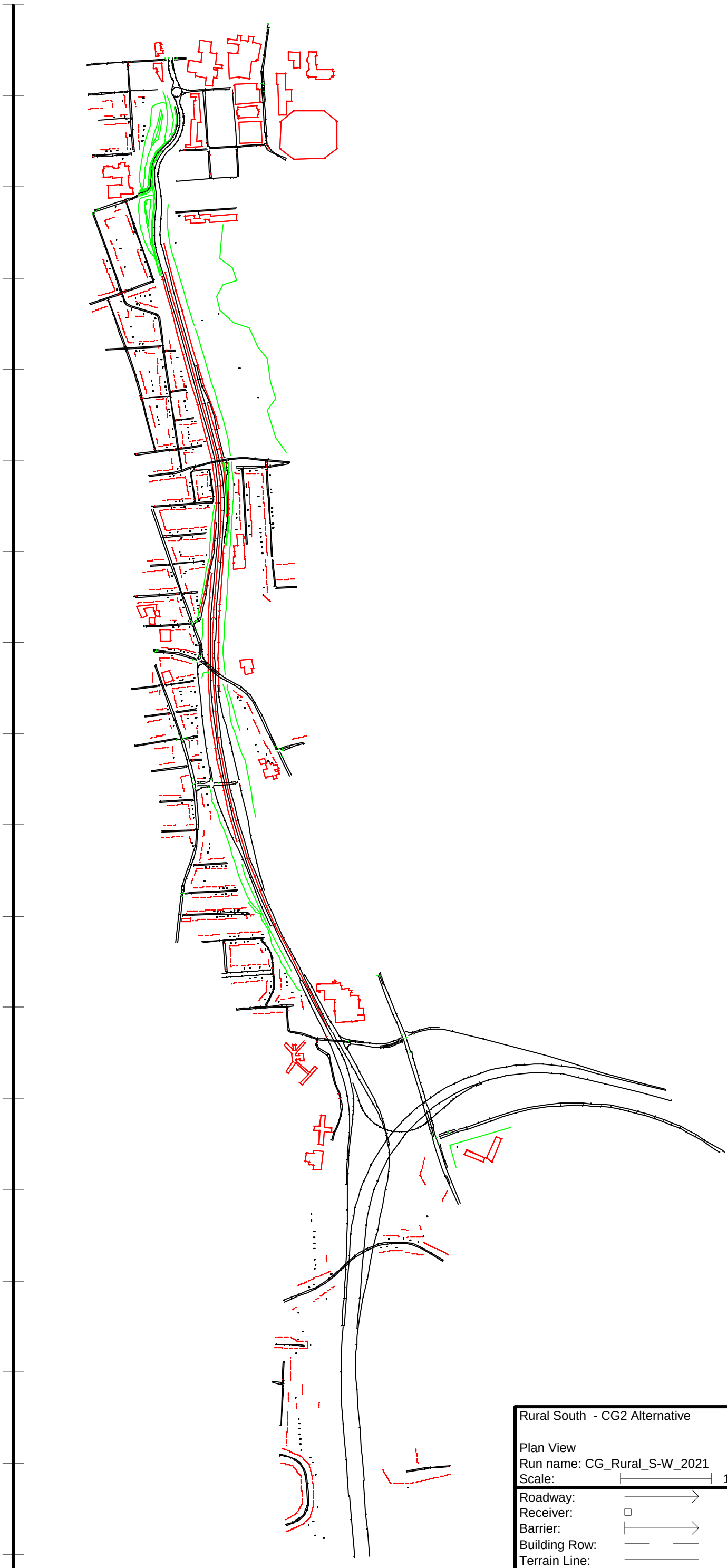
930500 931000 931500 932000 932500 933000 933500 934000 934500 935000 935500



Rural South - CG2 Alternative	Sheet 1 of 1 | 17 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: CG_Rural_S-E_2019	TNM Version 2.5, Feb 2004
Scale: 2000 feet	Analysis By: RS

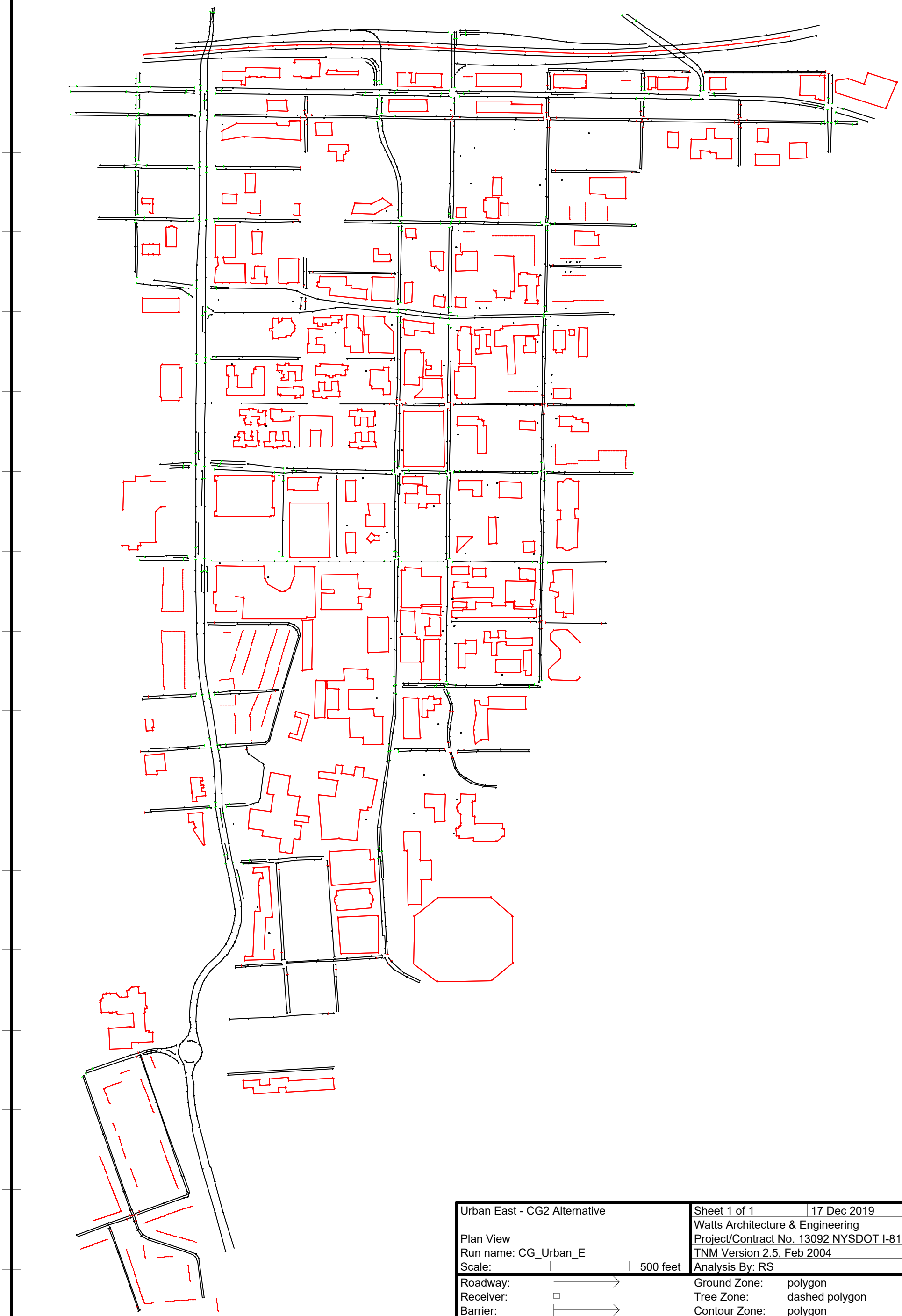
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

940000 942000 944000 946000 948000 950000 952000 954000 956000 958000 960000 962000 964000



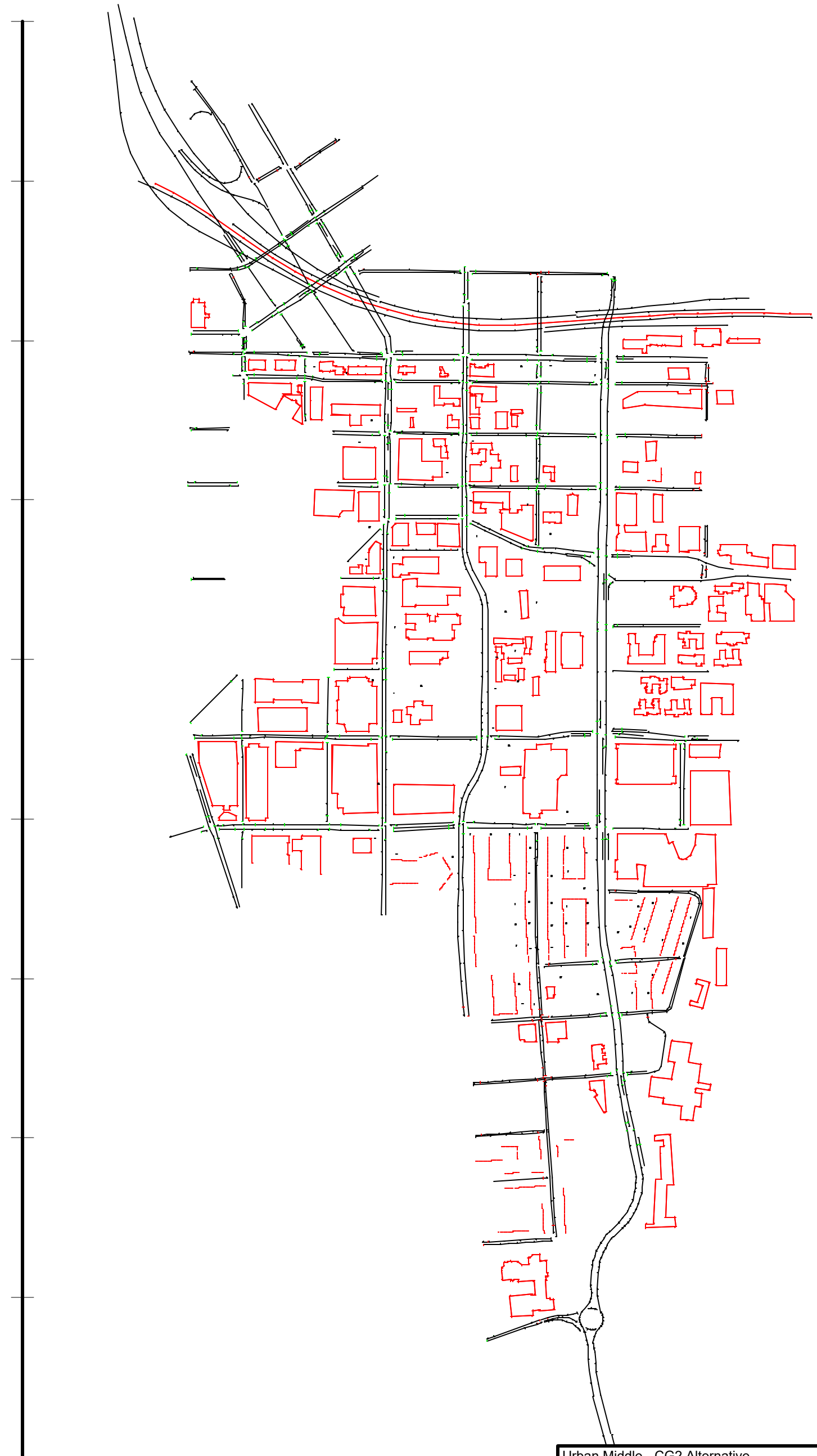
Rural South - CG2 Alternative		Sheet 1 of 1	27 Oct 2021
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: CG_Rural_S-W_2021		TNM Version 2.5, Feb 2004	
Scale:	1000 feet	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

937000 938000 939000 940000 941000 942000 943000 944000 945000 946000 947000



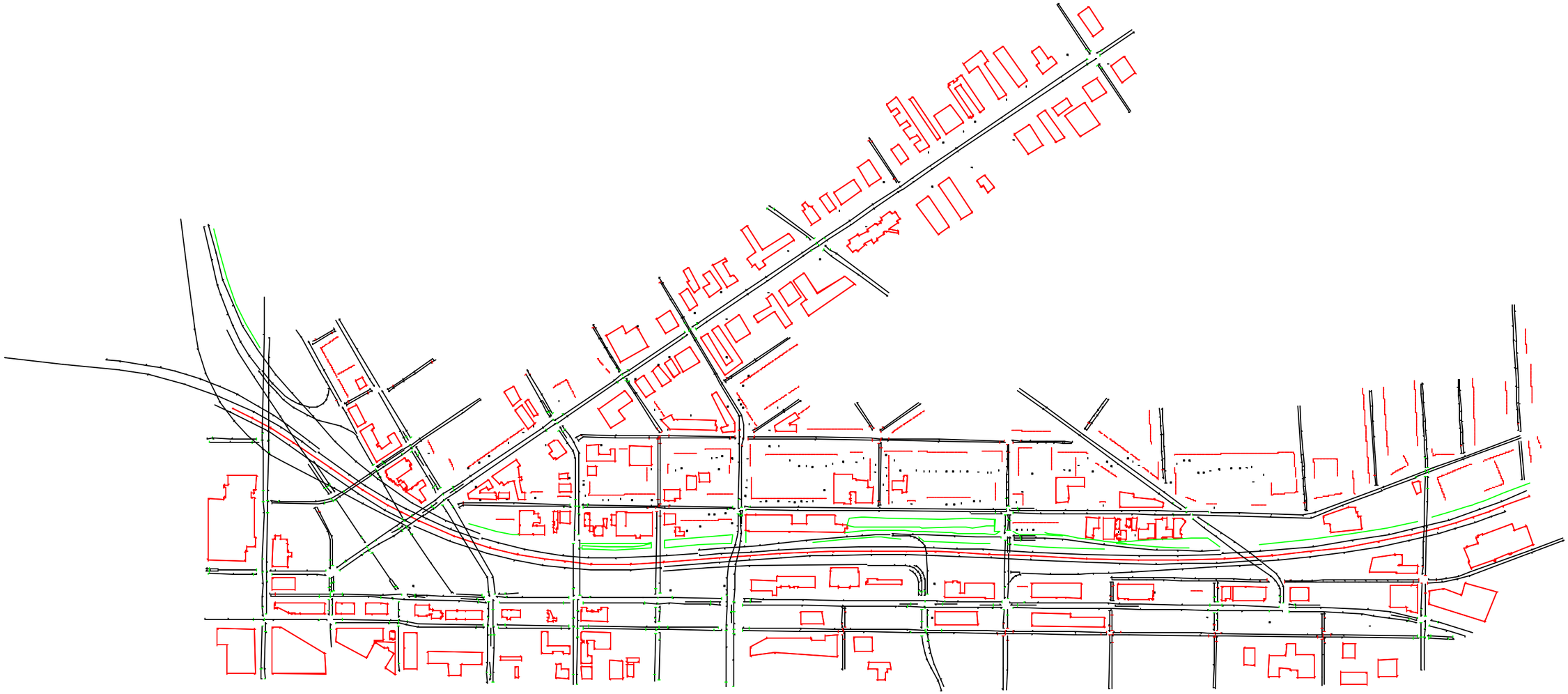
Urban East - CG2 Alternative	Sheet 1 of 1 | 17 Dec 2019
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: CG_Urban_E	TNM Version 2.5, Feb 2004
Scale: 500 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



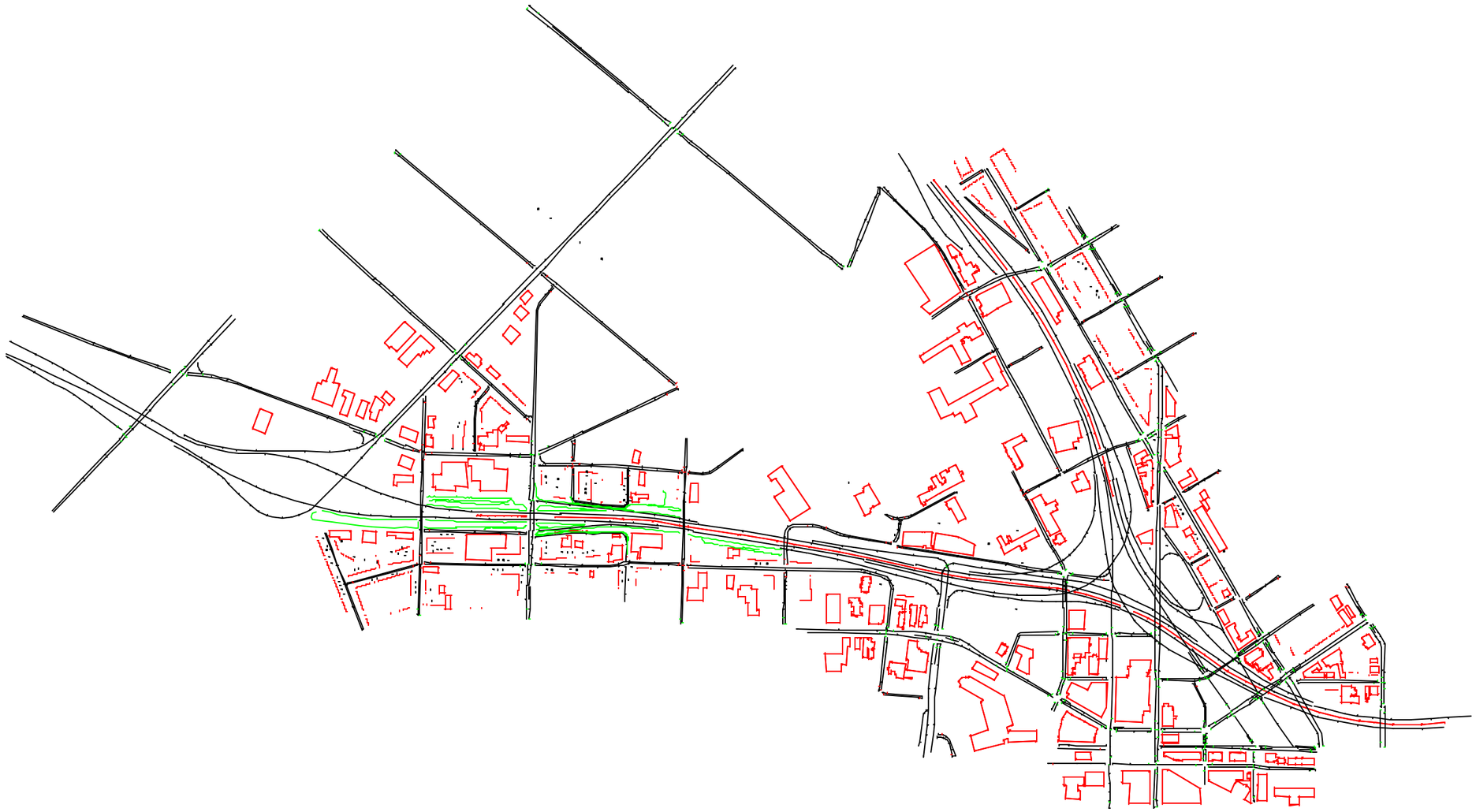
Urban Middle - CG2 Alternative		Sheet 1 of 1	18 Dec 2019
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: CG_Urban_Mid		TNM Version 2.5, Feb 2004	
Scale:		Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

935000 936000 937000 938000 939000 940000 941000



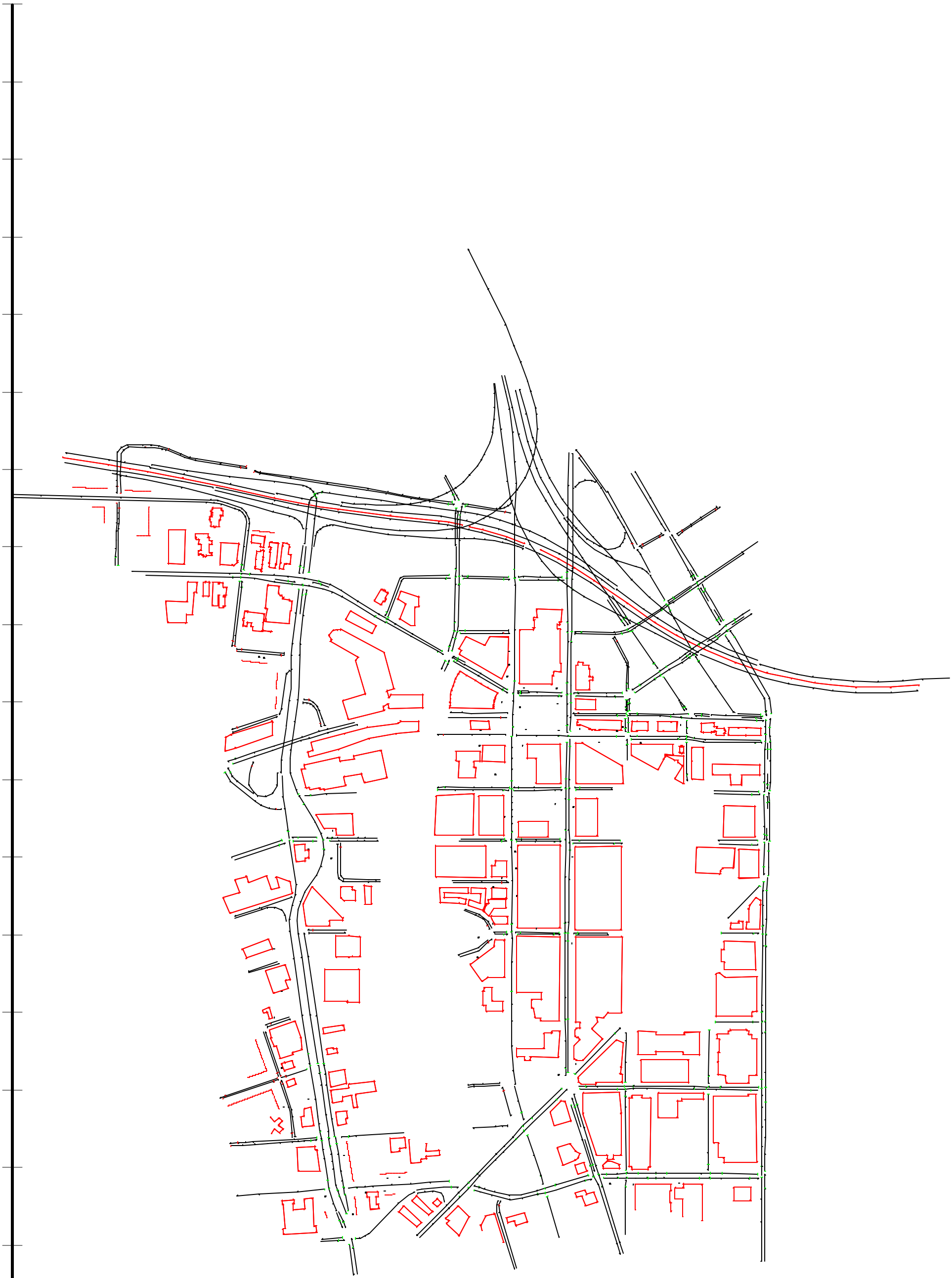
Urban NorthEast - CG2 Alternative		Sheet 1 of 1	12 Dec 2019
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: CG_Urban_NE		TNM Version 2.5, Feb 2004	
Scale:	500 feet	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

934000 934500 935000 935500 936000 936500 937000 937500 938000 938500 939000 939500 940000 940500 941000 941500 942000 942500 943000



Urban NorthWest - CG2 Alternative		Sheet 1 of 1	12 Dec 2019
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: CG_Urban_NW		TNM Version 2.5, Feb 2004	
Scale:	1000 fe	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

5000 926000 927000 928000 929000 930000 931000 932000 933000 934000 935000 936000 937000 938000 939000 940000



Urban West - CG2 Alternative		Sheet 1 of 1	12 Dec 2019
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: CG_Urban_W		TNM Version 2.5, Feb 2004	
Scale:	500 feet	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

2000 932500 933000 933500 934000 934500 935000 935500 936000 936500 937000 937500 938000

ATTACHMENT R

2050 Viaduct Alternative Conditions
FHWA Roadway Construction Noise Model (RCNM) Tables

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver A Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site A					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	76	81	76	78	---
Pumps	67	64	59	56	8
Pumps	67	64	59	56	8
Vibratory Concrete Mixer	66	59	58	51	8
Vibratory Concrete Mixer	66	59	58	51	8
Vibratory Concrete Mixer	66	59	58	51	8
Vibratory Concrete Mixer	66	59	58	51	8
Excavator	67	63	67	63	0
Excavator	67	63	67	63	0
Excavator	67	63	67	63	0
Excavator	67	63	67	63	0
Excavator	67	63	67	63	0
Backhoe	63	60	63	60	0
Backhoe	63	60	63	60	0
Compactor (ground)	69	62	69	62	0
Mounted Impact Hammer (hoe ram)	76	69	76	69	0
Mounted Impact Hammer (hoe ram)	76	69	76	69	0
Jackhammer	75	68	67	60	8
Jackhammer	75	68	67	60	8
Roller	66	59	66	59	0
Dozer	68	64	68	64	0
Front End Loader	65	61	65	61	0
Dump Truck	62	58	62	58	0
Dump Truck	62	58	62	58	0
Dump Truck	62	58	62	58	0
Dump Truck	62	58	62	58	0
Welder / Torch	60	56	52	48	8
Welder / Torch	60	56	52	48	8
Pickup Truck	61	57	61	57	0
Pickup Truck	61	57	61	57	0
Welder / Torch	60	56	52	48	8
Welder / Torch	60	56	52	48	8
Crane	66	59	66	59	0
Crane	66	59	66	59	0
Crane	66	59	66	59	0
Crane	66	59	66	59	0
Crane	66	59	66	59	0
Welder / Torch	60	56	52	48	8
Welder / Torch	60	56	52	48	8
Flat Bed Truck	60	56	60	56	0
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver A Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site A					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5

Notes:

Receiver A is 254 feet from the center of construction at Site A. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver A without shielding is above the noise limit of 80 dBA by 1.1 dBA. However, with shielding the total Leq is below the noise limit of 80 dBA by 1.9 dBA.

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver B Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site B					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	78	84	75	79	---
Pumps	69	66	61	58	8
Pumps	69	66	61	58	8
Vibratory Concrete Mixer	68	61	60	53	8
Vibratory Concrete Mixer	68	61	60	53	8
Vibratory Concrete Mixer	68	61	60	53	8
Vibratory Concrete Mixer	68	61	60	53	8
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Backhoe	65	61	62	58	3
Backhoe	65	61	62	58	3
Backhoe	65	61	62	58	3
Backhoe	65	61	62	58	3
Flat Bed Truck	62	58	59	55	3
Compactor (ground)	71	64	68	61	3
Compactor (ground)	71	64	68	61	3
Mounted Impact Hammer (hoe ram)	78	71	75	68	3
Mounted Impact Hammer (hoe ram)	78	71	75	68	3
Jackhammer	77	70	69	62	8
Jackhammer	77	70	69	62	8
Roller	68	61	65	58	3
Roller	68	61	65	58	3
Dozer	70	66	67	63	3
Dozer	70	66	67	63	3
Front End Loader	67	63	64	60	3
Front End Loader	67	63	64	60	3
Dump Truck	64	60	61	57	3
Dump Truck	64	60	61	57	3
Dump Truck	64	60	61	57	3
Dump Truck	64	60	61	57	3
Dump Truck	64	60	61	57	3
Dump Truck	64	60	61	57	3
Dump Truck	64	60	61	57	3
Dump Truck	64	60	61	57	3
Welder / Torch	62	58	54	50	8
Welder / Torch	62	58	54	50	8

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver B Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site B					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pickup Truck	63	59	60	56	3
Pickup Truck	63	59	60	56	3
Pickup Truck	63	59	60	56	3
Pickup Truck	63	59	60	56	3
Welder / Torch	62	58	54	50	8
Welder / Torch	62	58	54	50	8
Crane	68	60	65	57	3
Crane	68	60	65	57	3
Crane	68	60	65	57	3
Crane	68	60	65	57	3
Crane	68	60	65	57	3
Welder / Torch	62	58	54	50	8
Welder / Torch	62	58	54	50	8
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5

Notes:

Receiver B is 203 feet from the center of construction at Site B. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver B without shielding is above the noise limit of 80 dBA by 3.6 dBA. However, with shielding the total Leq is below the nosie limit of 80 dBA by 0.8 dBA.

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver C Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site C					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	77	82	77	79	---
Pumps	68	65	63	60	5
Pumps	68	65	63	60	5
Vibratory Concrete Mixer	67	60	62	55	5
Vibratory Concrete Mixer	67	60	62	55	5
Vibratory Concrete Mixer	67	60	62	55	5
Vibratory Concrete Mixer	67	60	62	55	5
Excavator	68	64	68	64	0
Excavator	68	64	68	64	0
Excavator	68	64	68	64	0
Excavator	68	64	68	64	0
Excavator	68	64	68	64	0
Backhoe	64	60	64	60	0
Backhoe	64	60	64	60	0
Compactor (ground)	70	63	70	63	0
Mounted Impact Hammer (hoe ram)	77	70	77	70	0
Mounted Impact Hammer (hoe ram)	77	70	77	70	0
Jackhammer	76	69	71	64	5
Jackhammer	76	69	71	64	5
Roller	67	60	67	60	0
Dozer	69	65	69	65	0
Front End Loader	66	62	66	62	0
Dump Truck	63	59	63	59	0
Dump Truck	63	59	63	59	0
Dump Truck	63	59	63	59	0
Dump Truck	63	59	63	59	0
Welder / Torch	61	57	56	52	5
Welder / Torch	61	57	56	52	5
Pickup Truck	62	58	62	58	0
Pickup Truck	62	58	62	58	0
Welder / Torch	61	57	56	52	5
Welder / Torch	61	57	56	52	5
Crane	67	59	67	59	0
Crane	67	59	67	59	0
Crane	67	59	67	59	0
Crane	67	59	67	59	0
Crane	67	59	67	59	0
Welder / Torch	61	57	56	52	5
Welder / Torch	61	57	56	52	5
Flat Bed Truck	61	57	61	57	0
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver C Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site C					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5

Notes:

Receiver C is 228 feet from the center of construction at Site C. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver C without shielding is above the noise limit of 80 dBA by 2.0 dBA. However, with shielding the total Leq is below the noise limit of 80 dBA by 0.7 dBA.

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver D Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site D					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	78	83	78	80	---
Pumps	69	66	64	61	5
Pumps	69	66	64	61	5
Vibratory Concrete Mixer	68	61	63	56	5
Vibratory Concrete Mixer	68	61	63	56	5
Vibratory Concrete Mixer	68	61	63	56	5
Vibratory Concrete Mixer	68	61	63	56	5
Excavator	69	65	69	65	0
Excavator	69	65	69	65	0
Excavator	69	65	69	65	0
Excavator	69	65	69	65	0
Excavator	69	65	69	65	0
Backhoe	66	62	66	62	0
Backhoe	66	62	66	62	0
Compactor (ground)	71	64	71	64	0
Mounted Impact Hammer (hoe ram)	78	71	78	71	0
Mounted Impact Hammer (hoe ram)	78	71	78	71	0
Jackhammer	77	70	72	65	5
Jackhammer	77	70	72	65	5
Roller	68	61	68	61	0
Dozer	70	66	70	66	0
Front End Loader	67	63	67	63	0
Dump Truck	65	61	65	61	0
Dump Truck	65	61	65	61	0
Dump Truck	65	61	65	61	0
Dump Truck	65	61	65	61	0
Welder / Torch	62	58	57	53	5
Welder / Torch	62	58	57	53	5
Pickup Truck	63	59	63	59	0
Pickup Truck	63	59	63	59	0
Welder / Torch	62	58	57	53	5
Welder / Torch	62	58	57	53	5
Crane	69	61	69	61	0
Crane	69	61	69	61	0
Crane	69	61	69	61	0
Crane	69	61	69	61	0
Crane	69	61	69	61	0
Welder / Torch	62	58	57	53	5
Welder / Torch	62	58	57	53	5
Flat Bed Truck	62	58	62	58	0
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver D Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site D					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5

Notes:

Receiver D is 198 feet from the center of construction at Site D. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver D without shielding is above the noise limit of 80 dBA by 3.2 dBA. With shielding the total Leq is still above the noise limit of 80 dBA by 0.5 dBA.

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver E Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site E					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	84	88	84	86	---
Pumps	75	72	70	67	5
Vibratory Concrete Mixer	74	67	69	62	5
Vibratory Concrete Mixer	74	67	69	62	5
Excavator	74	70	74	70	0
Excavator	74	70	74	70	0
Excavator	74	70	74	70	0
Excavator	74	70	74	70	0
Excavator	74	70	74	70	0
Backhoe	71	67	71	67	0
Backhoe	71	67	71	67	0
Compactor (ground)	77	70	77	70	0
Mounted Impact Hammer (hoe ram)	84	77	84	77	0
Mounted Impact Hammer (hoe ram)	84	77	84	77	0
Jackhammer	83	76	78	71	5
Roller	74	67	74	67	0
Dozer	75	71	75	71	0
Front End Loader	73	69	73	69	0
Welder / Torch	68	64	63	59	5
Welder / Torch	68	64	63	59	5
Dump Truck	70	66	70	66	0
Dump Truck	70	66	70	66	0
Dump Truck	70	66	70	66	0
Dump Truck	70	66	70	66	0
Pickup Truck	69	65	69	65	0
Pickup Truck	69	65	69	65	0
Welder / Torch	68	64	63	59	5
Welder / Torch	68	64	63	59	5
Crane	74	66	74	66	0
Crane	74	66	74	66	0
Crane	74	66	74	66	0
Crane	74	66	74	66	0
Crane	74	66	74	66	0
Welder / Torch	68	64	63	59	5
Welder / Torch	68	64	63	59	5
Flat Bed Truck	68	64	68	64	0
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver E Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site E					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5

Notes:

Receiver E is 104 feet from the center of construction at Site E. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver E without shielding is above the noise limit of 80 dBA by 8.4 dBA. With shielding the total Leq is still above the noise limit of 80 dBA by 5.9 dBA.

ATTACHMENT S

2050 Community Grid Alternative Conditions
FHWA Roadway Construction Noise Model (RCNM) Tables

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver A Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site A					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	76	81	76	78	---
Pumps	67	64	59	56	8
Pumps	67	64	59	56	8
Vibratory Concrete Mixer	66	59	58	51	8
Vibratory Concrete Mixer	66	59	58	51	8
Vibratory Concrete Mixer	66	59	58	51	8
Vibratory Concrete Mixer	66	59	58	51	8
Excavator	67	63	67	63	0
Excavator	67	63	67	63	0
Excavator	67	63	67	63	0
Excavator	67	63	67	63	0
Excavator	67	63	67	63	0
Backhoe	63	60	63	60	0
Backhoe	63	60	63	60	0
Compactor (ground)	69	62	69	62	0
Mounted Impact Hammer (hoe ram)	76	69	76	69	0
Mounted Impact Hammer (hoe ram)	76	69	76	69	0
Jackhammer	75	68	67	60	8
Jackhammer	75	68	67	60	8
Roller	66	59	66	59	0
Dozer	68	64	68	64	0
Front End Loader	65	61	65	61	0
Front End Loader	65	61	65	61	0
Front End Loader	65	61	65	61	0
Front End Loader	65	61	65	61	0
Dump Truck	62	58	62	58	0
Dump Truck	62	58	62	58	0
Welder / Torch	60	56	52	48	8
Welder / Torch	60	56	52	48	8
Pickup Truck	61	57	61	57	0
Pickup Truck	61	57	61	57	0
Welder / Torch	60	56	52	48	8
Crane	66	59	66	59	0
Crane	66	59	66	59	0
Crane	66	59	66	59	0
Crane	66	59	66	59	0
Crane	66	59	66	59	0
Welder / Torch	60	56	52	48	8
Welder / Torch	60	56	52	48	8
Flat Bed Truck	60	56	60	56	0
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver A Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site A					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5
Pneumatic Tools	71	68	66	63	5

Notes:

Receiver A is 254 feet from the center of construction at Site A. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver A without shielding is above the noise limit of 80 dBA by 1.1 dBA. However, with shielding the total Leq is below the noise limit of 80 dBA by 1.7 dBA.

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver B Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site B					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	78	84	75	79	---
Pumps	69	66	61	58	8
Pumps	69	66	61	58	8
Vibratory Concrete Mixer	68	61	60	53	8
Vibratory Concrete Mixer	68	61	60	53	8
Vibratory Concrete Mixer	68	61	60	53	8
Vibratory Concrete Mixer	68	61	60	53	8
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Excavator	69	65	66	62	3
Backhoe	65	61	62	58	3
Backhoe	65	61	62	58	3
Backhoe	65	61	62	58	3
Backhoe	65	61	62	58	3
Flat Bed Truck	62	58	59	55	3
Compactor (ground)	71	64	68	61	3
Compactor (ground)	71	64	68	61	3
Mounted Impact Hammer (hoe ram)	78	71	75	68	3
Mounted Impact Hammer (hoe ram)	78	71	75	68	3
Jackhammer	77	70	69	62	8
Jackhammer	77	70	69	62	8
Roller	68	61	65	58	3
Roller	68	61	65	58	3
Dozer	70	66	67	63	3
Dozer	70	66	67	63	3
Front End Loader	67	63	64	60	3
Front End Loader	67	63	64	60	3
Front End Loader	67	63	64	60	3
Front End Loader	67	63	64	60	3
Front End Loader	67	63	64	60	3
Front End Loader	67	63	64	60	3
Front End Loader	67	63	64	60	3
Front End Loader	67	63	64	60	3
Dump Truck	64	60	61	57	3
Dump Truck	64	60	61	57	3
Welder / Torch	62	58	54	50	8
Welder / Torch	62	58	54	50	8

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver B Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site B					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Welder / Torch	62	58	54	50	8
Welder / Torch	62	58	54	50	8
Pickup Truck	63	59	60	56	3
Pickup Truck	63	59	60	56	3
Welder / Torch	62	58	54	50	8
Crane	68	60	65	57	3
Crane	68	60	65	57	3
Crane	68	60	65	57	3
Crane	68	60	65	57	3
Crane	68	60	65	57	3
Welder / Torch	62	58	54	50	8
Welder / Torch	62	58	54	50	8
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5

Notes:

Receiver B is 203 feet from the center of construction at Site B. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver B without shielding is above the noise limit of 80 dBA by 3.7 dBA. However, with shielding the total Leq is below the noise limit of 80 dBA by 0.6 dBA.

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver C Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site C					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	77	82	77	79	---
Pumps	68	65	60	57	8
Pumps	68	65	60	57	8
Vibratory Concrete Mixer	67	60	59	52	8
Vibratory Concrete Mixer	67	60	59	52	8
Vibratory Concrete Mixer	67	60	59	52	8
Vibratory Concrete Mixer	67	60	59	52	8
Excavator	68	64	68	64	0
Excavator	68	64	68	64	0
Excavator	68	64	68	64	0
Excavator	68	64	68	64	0
Excavator	68	64	68	64	0
Backhoe	64	60	64	60	0
Backhoe	64	60	64	60	0
Compactor (ground)	70	63	70	63	0
Mounted Impact Hammer (hoe ram)	77	70	77	70	0
Mounted Impact Hammer (hoe ram)	77	70	77	70	0
Jackhammer	76	69	68	61	8
Jackhammer	76	69	68	61	8
Roller	67	60	67	60	0
Dozer	69	65	69	65	0
Front End Loader	66	62	66	62	0
Front End Loader	66	62	66	62	0
Front End Loader	66	62	66	62	0
Front End Loader	66	62	66	62	0
Dump Truck	63	59	63	59	0
Dump Truck	63	59	63	59	0
Welder / Torch	61	57	53	49	8
Welder / Torch	61	57	53	49	8
Pickup Truck	62	58	62	58	0
Pickup Truck	62	58	62	58	0
Welder / Torch	61	57	53	49	8
Crane	67	59	67	59	0
Crane	67	59	67	59	0
Crane	67	59	67	59	0
Crane	67	59	67	59	0
Crane	67	59	67	59	0
Welder / Torch	61	57	53	49	8
Welder / Torch	61	57	53	49	8
Flat Bed Truck	61	57	61	57	0
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver C Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site C					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5
Pneumatic Tools	72	69	67	64	5

Notes:

Receiver C is 228 feet from the center of construction at Site C. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver C without shielding is above the noise limit of 80 dBA by 2.1 dBA. However, with shielding the total Leq is below the noise limit of 80 dBA by 0.8 dBA.

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver D Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site D					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	78	83	78	80	---
Pumps	69	66	61	58	8
Pumps	69	66	61	58	8
Vibratory Concrete Mixer	68	61	60	53	8
Vibratory Concrete Mixer	68	61	60	53	8
Vibratory Concrete Mixer	68	61	60	53	8
Vibratory Concrete Mixer	68	61	60	53	8
Excavator	69	65	69	65	0
Excavator	69	65	69	65	0
Excavator	69	65	69	65	0
Excavator	69	65	69	65	0
Excavator	69	65	69	65	0
Backhoe	66	62	66	62	0
Backhoe	66	62	66	62	0
Compactor (ground)	71	64	71	64	0
Mounted Impact Hammer (hoe ram)	78	71	78	71	0
Mounted Impact Hammer (hoe ram)	78	71	78	71	0
Jackhammer	77	70	69	62	8
Jackhammer	77	70	69	62	8
Roller	68	61	68	61	0
Dozer	70	66	70	66	0
Front End Loader	67	63	67	63	0
Front End Loader	67	63	67	63	0
Front End Loader	67	63	67	63	0
Front End Loader	67	63	67	63	0
Dump Truck	65	61	65	61	0
Dump Truck	65	61	65	61	0
Welder / Torch	62	58	54	50	8
Welder / Torch	62	58	54	50	8
Pickup Truck	63	59	63	59	0
Pickup Truck	63	59	63	59	0
Welder / Torch	62	58	54	50	8
Crane	69	61	69	61	0
Crane	69	61	69	61	0
Crane	69	61	69	61	0
Crane	69	61	69	61	0
Crane	69	61	69	61	0
Welder / Torch	62	58	54	50	8
Welder / Torch	62	58	54	50	8
Flat Bed Truck	62	58	62	58	0
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver D Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site D					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5
Pneumatic Tools	73	70	68	65	5

Notes:

Receiver D is 198 feet from the center of construction at Site D. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver D without shielding is above the noise limit of 80 dBA by 3.3 dBA. With shielding the total Leq is still above the noise limit of 80 dBA by 0.4 dBA.

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver E Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site E					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	84	89	84	86	---
Pumps	75	72	67	64	8
Vibratory Concrete Mixer	74	67	66	59	8
Vibratory Concrete Mixer	74	67	66	59	8
Excavator	74	70	74	70	0
Excavator	74	70	74	70	0
Excavator	74	70	74	70	0
Excavator	74	70	74	70	0
Excavator	74	70	74	70	0
Backhoe	71	67	71	67	0
Backhoe	71	67	71	67	0
Compactor (ground)	77	70	77	70	0
Mounted Impact Hammer (hoe ram)	84	77	84	77	0
Mounted Impact Hammer (hoe ram)	84	77	84	77	0
Jackhammer	83	76	75	68	8
Roller	74	67	74	67	0
Dozer	75	71	75	71	0
Front End Loader	73	69	73	69	0
Front End Loader	73	69	73	69	0
Front End Loader	73	69	73	69	0
Front End Loader	73	69	73	69	0
Dump Truck	70	66	70	66	0
Dump Truck	70	66	70	66	0
Welder / Torch	68	64	60	56	8
Welder / Torch	68	64	60	56	8
Pickup Truck	69	65	69	65	0
Pickup Truck	69	65	69	65	0
Welder / Torch	68	64	60	56	8
Crane	74	66	74	66	0
Crane	74	66	74	66	0
Crane	74	66	74	66	0
Crane	74	66	74	66	0
Crane	74	66	74	66	0
Welder / Torch	68	64	60	56	8
Welder / Torch	68	64	60	56	8
Flat Bed Truck	68	64	68	64	0
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver E Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site E					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5
Pneumatic Tools	79	76	74	71	5

Notes:

Receiver E is 104 feet from the center of construction at Site E. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver E without shielding is above the noise limit of 80 dBA by 8.5 dBA. With shielding the total Leq is still above the noise limit of 80 dBA by 5.9 dBA.

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver F Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site F					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	72	76	72	74	---
Pumps	63	60	55	52	8
Vibratory Concrete Mixer	62	55	54	47	8
Vibratory Concrete Mixer	62	55	54	47	8
Excavator	62	58	62	58	0
Excavator	62	58	62	58	0
Excavator	62	58	62	58	0
Excavator	62	58	62	58	0
Excavator	62	58	62	58	0
Backhoe	59	55	59	55	0
Backhoe	59	55	59	55	0
Compactor (ground)	65	58	65	58	0
Mounted Impact Hammer (hoe ram)	72	65	72	65	0
Mounted Impact Hammer (hoe ram)	72	65	72	65	0
Jackhammer	71	64	63	56	8
Roller	62	55	62	55	0
Dozer	63	59	63	59	0
Front End Loader	61	57	61	57	0
Dump Truck	58	54	58	54	0
Dump Truck	58	54	58	54	0
Flat Bed Truck	56	52	56	52	0
Welder / Torch	56	52	48	44	8
Welder / Torch	56	52	48	44	8
Pickup Truck	57	53	57	53	0
Pickup Truck	57	53	57	53	0
Welder / Torch	56	52	48	44	8
Welder / Torch	56	52	48	44	8
Crane	62	54	62	54	0
Crane	62	54	62	54	0
Crane	62	54	62	54	0
Crane	62	54	62	54	0
Crane	62	54	62	54	0
Welder / Torch	56	52	48	44	8
Pneumatic Tools	67	64	62	59	5
Pneumatic Tools	67	64	62	59	5
Pneumatic Tools	67	64	62	59	5
Pneumatic Tools	67	64	62	59	5
Pneumatic Tools	67	64	62	59	5
Pneumatic Tools	67	64	62	59	5
Pneumatic Tools	67	64	62	59	5
Pneumatic Tools	67	64	62	59	5
Pneumatic Tools	67	64	62	59	5
Pneumatic Tools	67	64	62	59	5

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver F Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site F					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)

Notes:

Receiver F is 411 feet from the center of construction at Site F. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver F without shielding is below the noise limit of 80 dBA by 3.5 dBA. With shielding the total Leq is still below the noise limit of 80 dBA by 6.3 dBA.

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver G Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site G					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	75	79	75	77	---
Pumps	65	62	57	54	8
Vibratory Concrete Mixer	65	58	57	50	8
Vibratory Concrete Mixer	65	58	57	50	8
Excavator	65	61	65	61	0
Excavator	65	61	65	61	0
Excavator	65	61	65	61	0
Excavator	65	61	65	61	0
Excavator	65	61	65	61	0
Backhoe	62	58	62	58	0
Backhoe	62	58	62	58	0
Compactor (ground)	68	61	68	61	0
Mounted Impact Hammer (hoe ram)	75	68	75	68	0
Mounted Impact Hammer (hoe ram)	75	68	75	68	0
Jackhammer	73	66	65	58	8
Roller	65	58	65	58	0
Dozer	66	62	66	62	0
Front End Loader	64	60	64	60	0
Dump Truck	61	57	61	57	0
Dump Truck	61	57	61	57	0
Flat Bed Truck	59	55	59	55	0
Welder / Torch	59	55	51	47	8
Welder / Torch	59	55	51	47	8
Pickup Truck	60	56	60	56	0
Pickup Truck	60	56	60	56	0
Welder / Torch	59	55	51	47	8
Welder / Torch	59	55	51	47	8
Crane	65	57	65	57	0
Crane	65	57	65	57	0
Crane	65	57	65	57	0
Crane	65	57	65	57	0
Crane	65	57	65	57	0
Welder / Torch	59	55	51	47	8
Pneumatic Tools	70	67	65	62	5
Pneumatic Tools	70	67	65	62	5
Pneumatic Tools	70	67	65	62	5
Pneumatic Tools	70	67	65	62	5
Pneumatic Tools	70	67	65	62	5
Pneumatic Tools	70	67	65	62	5
Pneumatic Tools	70	67	65	62	5
Pneumatic Tools	70	67	65	62	5
Pneumatic Tools	70	67	65	62	5
Pneumatic Tools	70	67	65	62	5

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver G Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site G					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)

Notes:

Recevier G is 298 feet from the center of construction at Site G. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver G without shielding is below the noise limit of 80 dBA by 0.7 dBA. With shielding the total Leq is still below the noise limit of 80 dBA by 3.5 dBA.

ATTACHMENT T

Field Noise Measurement Data

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/16/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 3 MPH DIRECTION: WSW
TEMPERATURE: 65° F
HUMIDITY: 25% RH

	RUN TIME	NOISE LEVEL dBA	COMMENTS
	14:18	–	Begin
	14:23	–	car door @ ~~Daycare~~ Leasing offic
	14:26	–	same car start & depart (counted
	14:28	69.9	Plane
	14:32	65-66	Plane
*	14:41	83.0+	Plane directly over head.
			Leq jumped from ~66.5 to ~67.3.
	14:43		end.

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 1
Orchard Estates Apartments
190 Roxboro Cir

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	65.3	66.0	66.1	66.4	67.2 *
Start Time 14:18	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/10/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60

RECEPTOR I.D. 1
Orchard Estates Apartments
190 Roxboro Cir

Notes: I-81 speeds appear normal. (70 mph) 10 mph for Roxboro Cir.

	Function		Street	Person Name (counter facing)
Person #1:	Meter, Speeds, Cnt	√	Roxboro Cir	MH - DI-0367 count 004 ↑
Person #2:	Traffic Count	√	I-81 NB	DD - DI-0803 count 004 →
Person #3:	Traffic Count	√	I-81 SB	MG - DI-0364 count 004 →
Person #4:				
Person #5:				
Person #6:				

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/10/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 5 DIRECTION: S
TEMPERATURE: 56°F
HUMIDITY: 32% RH

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 2
Abundant Life Christian Center
7000 All Nations Blvd

RUN TIME	NOISE LEVEL dBA	COMMENTS
11:11		begin
11:15	high 50's	plane
~11:17	mid 40's	tower lift reverse beeping alarm.
11:33	55	plane
11:36		end
NB-I-481	lane restriction due to work on tower immediately north of E. Taft. Lane restriction starts ~1000' south of E Taft to ~100' N	
21-07	Lane restriction 45 mph. Ends at 21-09. Single Lane	

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	59.8	59.8	59.9	60.4	60.0
Start Time 11:11	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/10/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60

RECEPTOR I.D. 2
Abundant Life Christian Center
7000 All Nations Blvd

Notes: I-481 speeds appear consistent with NR 12 ± 70mph except NB. Parking Lot = 20 mph. ~45 mph counter arrow to E for all.

	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	All Nations Blvd	MH - D1-0363
Person #2:	Traffic Count	I-481 SB	MG - D1-0364
Person #3:	Traffic Count	I-481 NB	DO - D1-0803
~~Person #4:~~	~~Traffic Count~~	~~E. Taft - CONFIRM NEED~~	Not necessary. Not Audible.
Person #5:			
Person #6:			

I-481 can be counted @ receptor.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/10/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 1 mph DIRECTION: NNE
TEMPERATURE: 63° F
HUMIDITY: 24% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
16:58		Begin
17:18		end

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/10/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60

RECEPTOR I.D. 3
Butternut Creek Golf Course
5050 Jamesville Rd

Notes: Speeds taken via Radar for SB. Range 61-79. Avg is 70 mph.

	Function	Street	Person Name
Person #1:	Meter, Speeds	NA	Engine Brake Marks - MH
Person #2:	Traffic Count	I-481 SB	MG - D1-0364, Count 006, ←
Person #3:	Traffic Count	I-481 NB	DO D1-0803, Count 006 ←
Person #4:			
Person #5:			
Person #6:			

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 4/20 → 4/21 2016 | PROJECT NAME: I-81 Viaduct Project (D031085)

JOB NO: 13092 | LOCATION: Syracuse, New York

PIN NO: 3501.60 | PERSONNEL: MH, ScM, DO

INSTRUMENT: Casella CEL | SN: FA00337 | WEIGHTING: A

CALIBRATION (dBA): *Before:* 114 dB *After:* 114 dBA

START (DATE/TIME): 4/20/16 - 10:47 am

END (DATE/TIME): 4/21/16 - 11:00 am

RUN TIME	L_{Aeq} NOISE LEVEL dBA	TEMP (°F)	WIND (mph)	RH (%)	COMMENTS
11:20 0 (11-12)	66.7	54°	8 NW	31	~12:15 - Golf course cutting grass in area
12:05 1	64.1	57°	9 NW	28	Likely not affecting too much. Levels
13:00 2	64.5	59°	3 N	24	w/o cars = 52-55, w/cars 60-70.
14:00 3	65.7	62°	8 N	19	Finished in area after 15-20 mins.
15:00 4	65.1	63	6 N	19	without mowing & no cars = 48-51.
16:00 5	65.1	64	5E/N	16	1622 door closing
17:00 6	64.4	65	6 NW	17	
18:00 7	62.6	65	12 NW	24	
19:00 8	62.3	65	4 N	25	
20:00 9	63.5	57	2 N	34	
21:00 10	63.6	48	ONE	47	
22:00 11	60.1	45	O E	52	
23:00 12	59.1	43	2 E	57	Left at, 23:58
24:00 13	58.3	43	1 SSE	57	23:55 Police vehicle stopped up, concerned about truck on side of
~~00:00 14~~	~~64.0~~	~~43~~	~~1 SSE~~	~~57~~	the road. Not likely affecting levels too much; just acceleration,
01:00 15 (14)	57.6	41	2 S	61	deceleration. Wind changed from N to S, but only 1 mph @ 2400.
02:00 16 (15)	54.8	42	2 SE	64	Not likely a factor.
03:00 17 16	57.8	41	4 SE	61	Coyote cries 0114 - 0120 → to East (unable to get LAF at time.
04:00 18 17	59.7	40	1 E	63	↳ large coyote spotted less than 50 yards from set up
05:00 19 18	62.2	39	4 SE	66	at 0150, standing median ESE direction.
06:00 20 19	68.0	39	2 ESE	63	0327: Another appeared from SE, within 20 yards of
07:00 21 20	68.2	43	4 E	54	setup.
08:00 22 21	67.8	52	6 E	40	0450 - Birds calling obnoxiously early morning, when no traffic
09:00 23 22	67.2	60	4 E	41	bird calls increase. LAF from 40 to 47 (at minimum)
10:00 24 23	66.9	65	6 SE	23	When some traffic birds calling increases LAF from 52-60
11:00 24	—	68		25	0603 - low flying plane just taking off out of Syr. LAF jumped
					from 53/54 to 58/59

0614 - car honked at me. (Double Tap)

0950 - 10:10 Golf course lawn mowing - peaked at 70.1 LAF

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 3
Butternut Creek Golf Course
5050 Jamesville Rd

Additional Comments: Begin 24-hour measurement @ ~10:47 (after discussing instrument settings w/ rental company). Engine brakes from trucks are very noisey. Some trucks braking starts >1500' before pull off & continues to Exit 2 ramps. In addition, trucks exiting downshift creating noise. Significant truck traffic due to gravel pit located to the SE, which is visible. Background noise elevated some due to gravel pit operations. In addition, trucks accelerating from NB ramp are very discernable.

Run 3 stopped @ 24 hours per setting in dosimeter.

* Calculated L_{Aeq} for each hour.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/12/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO, NK, KO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 2-3 mph DIRECTION: WSW
TEMPERATURE: 78° F
HUMIDITY: 31% RH

SB81 very audible, NB81 is much less audible. Mainly only trucks, buses, motorcycles, other than a general hum.

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 4
Residences Along West Side of I-81
189 Hobart Ave

RUN TIME	NOISE LEVEL dBA	COMMENTS
a few	false	starts.
reset (no new counts on counters)		
10:43	–	begin
10:58		end

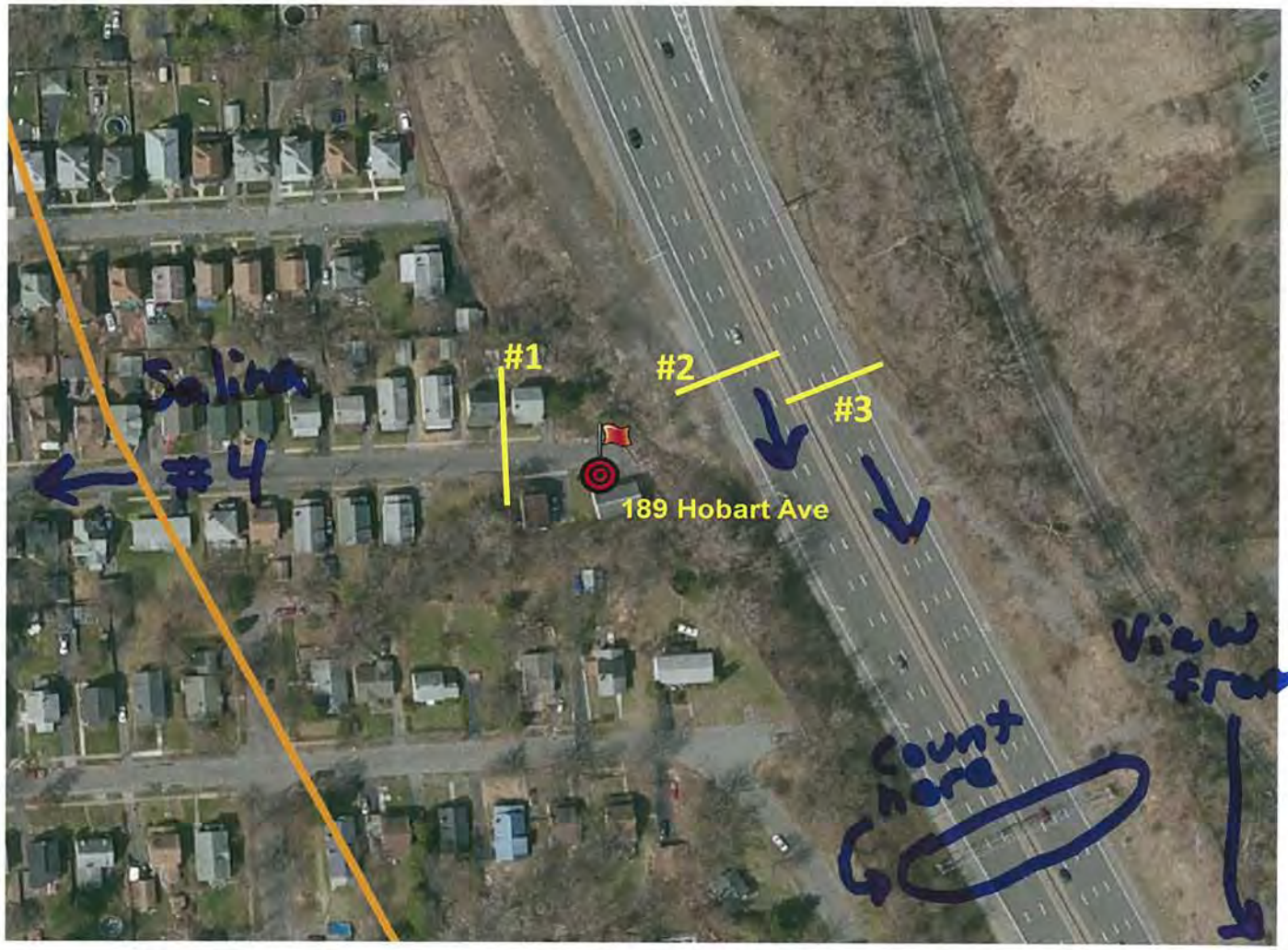
Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	60.4	59.4	59.4		
Start Time 10:43	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



Speeds
81 NB -
81 SB -
Salina -
Hobart -
see sheet

RECEPTOR I.D. 4
Residences Along West Side of I-81
189 Hobart Ave

Notes:

	Function	Street		Person Name
Person #1:	Meter, ~~Speeds~~, Cnt	Hobart	MH, D1-0803	Count 019 ↑ No cars, North
Person #2:	Traffic Count	I-81 SB	MG, D1-0364,	Count 020, →
Person #3:	Traffic Count	I-81 NB	KO, JKK iPAD,	Time, →
Person #4:	Traffic Count	Salina	NK, D1-0363,	Count 020 →
Person #5:	DO. Speeds at	all		
Person #6:				

I-81 counts collected @ bridge to South @ E. Glen Ave.
Count Vehicles to N @ steel truss over Rd.

Site 4: Speeds

I 81:

N. Bound

RANGE: 55–70

Avg.: 62 mph

S. Bound

Range: 55–70

Avg.: 59 mph

S. SACINA ST.

Range: 25–35

Avg. 31

HOBART

Range: 20–25

Avg. 23

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 04/26/16 PROJECT NAME: I-81 Viaduct Project (D031085)

JOB NO: 13092 LOCATION: Syracuse, New York

PIN NO: 3501.60 PERSONNEL: DUSTIN OSBORNE / SCOTT MATHEWS / MATT HOLQUIST

INSTRUMENT: ENV. CASE FA02204 CASELLAE ~~CEL~~ SN: FA02204 WEIGHTING: A

CALIBRATION (dBA): *Before:* 114 dB *After:* ~~113~~ 114 dBA

START (DATE/TIME): 04/26/16 (1900) →

END (DATE/TIME): 04/27/16 (1900)

Instrument: Casella CEL 633 SN# FA00337

RUN TIME	NOISE LEVEL dBA	°F TEMP	MPH WIND	% RH	COMMENTS
0 1900	59.0	39	4 W	92	At very start of study (Minute 2)
1 2000	58.0	38	1 W	89	a vehicle pulled over on 81 South
2 2100	56.5	37	1W	85	for a couple minutes directly
3 2200	56.8	35	1W	85	in front of Microphone.
4 2300	56.0	34	1 W	84	1934 - Loud dog bark adjacent house
5 0000	54.0	33	1 W	84	right by microphone. Stopped around
6 0100	54.1	33	0 W	84	1945. At 2008 vehicle pulled
7 0200	54.4	33	2 WNW	84	over I 81 south, and accelerated
8 0300	53.8	33	1 W	84	directly in front of Microphone.
9 0400	55.9	32	0W	87	2052 - Siren - Salina Street
10 0500	56.9	33	0 S	88	2054 - neighbor traffic
11 0600	58.7	34	0 S	84	2057 - car/truck in pull off - idling - street sweeper
12 0700	58.7	35	0 S	85	2220 - Truck in pull off, back-up-beeper - Street sweeper again
13 0800	59.7	36	0 S	85	↳ LAs jumped from 53 to 60, inserted blue mark on computer
14 0900	59.2	37	1 NW	96	↳ left pull-off at 2230 (acceleration) @2222
15 1000	59.2	~~41~~ 45	0 W	64	2240 neighbors depart in 2 separate vehicles. @ 2242
16 1100	59.4	~~45~~ 45	~~7~~ 7	~~82~~ 57	2322 - Road sweeping truck in pull-off - no back-up beeper this time
17 1200	60.6	46	9 NW	44	2329 - vehicle approaches microphone setup - curious - neighboring resident
18 1300	58.7	52	6 WNW	32%	0004 - Siren - Ambulance - North Bound - South Salina.
19 1400	58.4	50	3 NNE	31%	0049 - Neighbor arrives back home
20 1500	58.9	54	6 NW	28%	0057 - Road sweeper with back up beeper in pull-off plotted marks (BLUE) on computer
21 1600	59.3	53	4 N	27%	
22 1700	60.4	52	3 W	30	0102 - Neighbor (148) arrives home, parks car 20' from microphone
23 1800	60.0	52	3 NNW	32	↳ plotted more BLUE marks on computer. At same time another neighbor
24 1900	—	50	1 N	31	arrived home BOTH creating notable noise disturbance
					0109 - spotted dog (one that had been barking) out to do business. Surprisingly did not
					make any considerable noise.

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 4

Residences Along West Side of I-81

189 Hobart Ave

Additional Comments: Pull-off adjacent to Microphone - I 81 South

0255 - Another road sweeper. No rear back up signal - little noise differential.

0434 - Robin calling & Road Sweeper with back up beep LAs jumped from 40 to 60. Put BLUE mark on computer.

0451 - People screaming at tip of their lungs

0434 - still dumping, beeping and making noise - leave at 0456

0637 - Truck Pulls off I81, in front of Meter - 4 guys get out to pick up garbage, not very noisy

0646 - Car Horn, 0649 neighbor comes outside to leave, 0733 car horn

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM, NK, KO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 0-3 mph DIRECTION: SE
TEMPERATURE: 61° F
HUMIDITY: 44% RH

Model signal east of receptor @ Burnett & N. Beach.
North link of int. not discernable, due to houses. S. link is.
E & W are too.

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 5
Residences North of Burnet Ave
824 Burnet Ave

RUN TIME	NOISE LEVEL dBA	COMMENTS
8:56	—	begin
8:57	?	siren (quick) on 681 WB
9:14	70	guy pushing shoping cart w/ cans walking
		NB, N. Beach turning counts approximately
		> 1/3 turned east, < 1/3 went North,
		& < 1/3 turned west.

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	67.2	66.9	66.7	66.6	66.5
Start Time 08:56	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60

Speeds
Burnet - 25-35 (AVG 30)
Mather - 20-25 (AVG=23)
N. Beach - 25-35, (AVG 30)
I-81 - ~~> than 55~~ (60-65)

RECEPTOR I.D.	5
	Residences North of Burnet Ave
	824 Burnet Ave

Notes: Need to model bldgs. See photos. Partially block 690 & the noise. Also reflects.

DO speeds for all. MH count Mather when DO speeds elsewhere

	Function		Street	Person Name
~~Person #1:~~	Meter, Speeds, Cnt	✓	Mather	DO, D1-0803, Count 018, ←
Person #2:	Traffic Count	✓	Burnet EB	NK, D1-0363, Count 019, ↓
Person #3:	Traffic Count	✓	I-690 ~~WB~~ EB - visible at Lodi	overpass NW corner, climb up.
Person #4:	Traffic Count	✓	I-690 ~~EB~~ WB - same KO;	JKK ipad, ↓
Person #5:	Traffic Count	✓	N. Beach - CONFIRM NEED	Yes. SM, ~~D1-1958~~ T-1958, Count 2, →
Person #6:				

#3, 1690 ~~WB~~ EB, - MG, D1-0364, Count 019, ↓

at

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 3-5 mph. DIRECTION: N
TEMPERATURE: 74° F
HUMIDITY: 25 % RH

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 6
Apartments and Church along University Ave 3
507 University Ave

RUN TIME	NOISE LEVEL dBA	COMMENTS
18:36	-	begin
1839	~60 dB	plane
		- Intermitten throughout, people walking & jogging by on bike lane. → on SW cor of #3
18:41	74	Bus Stop: airbrake & beeping
18:47	58	plane.
18:49		Driveway car arrive. moving stuff inside. small amount of noise, some talking - should be inconsequential
19:00		muffler-less car & loud truck
19:01		finish

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	60.6	59.7	59.3	59.0	59.6
Start Time 18:36	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60

RECEPTOR I.D. 6
Apartments & Church along University Ave 3
507 University Ave

Notes: NB University → EB Harrison would not get counted if truck-audible cars not. should we do an intersection count? YES

see sheets

	Function DO	Street	Person Name
MH Person #1:	Meter, Speeds, Cnt	Driveway	
MG Person #2:	Traffic Count MG	~~University Ave~~ Univ/Harrison turning count, D1-0364, Count 017, ↑	
SM Person #3:	Traffic Count SM	~~Harrison~~ Univ/Madison turning count, D1-0363, Count 016, ↑	
Person #4:	Traffic Count DO	~~Madison~~ not as audible as Harrison, but observed, so count.	
Person #5:	Speeds (see sheets)		
Person #6:			

WATTS ARCHITECTURE & ENGINEERING, P.C.

INTERSECTION OF: University Ave AND: Harrison

CITY: Syracuse DAY: W OBSERVER:

STATE: NY DATE: 5/11/16 WEATHER: Sunny clear 74°

INTERSECTION COUNT SUMMARY

TIME PERIOD: 3:30- 4:30 PM

SITE CODE: 6

N

SPEEDS

TIME	PED	RIGHT	THRU	LEFT
			31, 23	
			28, 25	
			23, 24	
			26, 17	
			27, 27	
			26, 30	

University

26 mph Avg.

TIME					
LEFT					
THRU					
RIGHT					
PED					

				TIME
				PED
			29, 20 21, 24	RIGHT
			21, 36 24, 28	THRU
			30, 20	LEFT

HARRISON

25 mph Avg.

TIME	LEFT	THRU	RIGHT	PED

HEAVY VEHICLE: /

BUS: B

COUNTER # _____

H:\PY600\...97-NY Rte 198\Cadd\TRAFFIC.DGN

WATTS ARCHITECTURE & ENGINEERING, P.C.

INTERSECTION OF: University Ave AND: Madison Ave

CITY: SYRACUSE DAY: W OBSERVER: D. OSBORNE

STATE: NY DATE: 5/11/16 WEATHER: SUNNY Clear, 74°

INTERSECTION COUNT SUMMARY

TIME PERIOD: 3:30- 4:30 PM

SITE CODE: 6

SPEEDS

TIME	PED	RIGHT	THRU	LEFT
			24, 26	~~28~~
			28, 26	
			33, 22	
			25, 23	
			24, 27	
			20, 24	

Avg. 25 mph

University

TIME	PED	RIGHT	THRU	LEFT
		27, 23	35	
		~~28~~ 28		
		20 23		

TIME
PED
RIGHT
THRU
LEFT

TIME
LEFT
THRU
RIGHT
PED

Madison

26 mph Avg.

TIME	LEFT	THRU	RIGHT	PED

HEAVY VEHICLE: /

BUS: B

COUNTER # _____

H:\DY600\ .97-NY Rte 198\Cadd\TRAFFIC.DGN

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM, KD, NK

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 0-1 mph DIRECTION: SE
TEMPERATURE: 54° F
HUMIDITY: 50 % RH

Model all E. Adams signals (1) E & (2) W of NR.

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 7
Apartment Complex Area 1
507 E Adams St

RUN TIME	NOISE LEVEL dBA	COMMENTS
07:59:40	–	begin
08:14:40	–	end

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	64.7	64.8	64.8		
Start Time 07:59:40	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60

Speeds
- Adam - 30-35
- McBride - 18-27 (25)
- Townsend - 20-30
Dablon Ct - 25
81 - 60-65

RECEPTOR I.D. 7
Apartment Complex Area 1
507 E Adams St

Notes:

	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	Dablon Ct — 2 cars thruout, could not hear.	018 (turned off after 5)
Person #2:	Traffic Count	E. Adams	NK, D1-0363, count 017, ↑
~~Person #3:~~	~~Traffic Count~~	S. McBride — #1 can count (if no speeds)	DO, D1-0807, count 017,
Person #4:	Traffic Count	I-81 SB*	MG, D1-0364, count 018 ←
Person #5:	Traffic Count	I-81 NB*	KO, JKK iP, timed ←
~~Person #6:~~	~~Traffic Count~~ ~~not countable~~	S Townsend - CONFIRM NEED	acceleration from intersection (NB's)

* Count I-81 from Top of Parking Garage "Upstate Medical University Garage West"

Yes. Park @ N.R. & walk. I-81 visible from glass walled stairs facing W.

SM, T1958, Count 001, →

No NB buses on S. McBride

S McBride → DO Accidently counted all cars as NB Actually 2 buses (1&2) was SB. during intervals 1 & 2.

I Did not miss any cars. 017 only 1 interval, 018 = 2 intervals.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 0 DIRECTION: calm
TEMPERATURE: 47°F
HUMIDITY: 56% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
7:49		begin
~7:52		neighbor starts, loader, tractor idles; 11/14 end, Highways much louder.
-		
8:04		end
		see MH traffic counter photo for buttons.

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 8
Leon St/Oakwood Ave Area Residences
267 Leon St

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	69.9	69.9	69.9		
Start Time 07:49	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60

RECEPTOR I.D. 8
Leon St/Oakwood Ave Area Residences
267 Leon St

Notes:

	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	Leon St Speeds range 25-35. Avg=	MH, DI-0363, Count 008 ↑
Person #2:	Traffic Count	I-81 SB DO drove at 07:00 Avg=	DO DI-0363, Count 009, ←
Person #3:	Traffic Count	I-81 NB MH drove @ 09:15. Avg= 60	MG, DI-~~0365~~ 0364, Count 009, ←
Person #4:	Intersection Count	E. Kennedy/Oakwood	
Person #5:		→ could not hear any traffic	
Person #6:			

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N: FA 00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 0-1 mph DIRECTION: SE
TEMPERATURE: 62° F
HUMIDITY: 32% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
10:47		begin
11:02	~65 w/ backup alarm at E.	Septic Truck enters from Rock Cut Rd (NB) to trailer court. Air brakes & engine brake heard driving up Cliffside. Backup alarm when going to trailer to E.
11:08	upper 70's	utility co. truck NB on Rock Cut similar to other noise levels for tru
11:10	70-75	Septic truck leavin Squeel & air brakes leaving down Cliffside. Departs SB.
11:12		end.

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 9
Cliffside Trailer Park
6120 Rock Cut Rd

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	65.1	64.6	65.2	65.5	65.5
Start Time 10:47	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: _____ PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60

RECEPTOR I.D. 9
Cliffside Trailer Park
6120 Rock Cut Rd

Notes: Rock Cut Rd. notably loud due to elevation & proximity.

	Function	Street	Person Name
Person #1:	Meter, Speeds	NA trailer park Rd	MH, paper counts
Person #2:	Traffic Count	Rock Cut Road	DO, DI-0803, count 011 ↑
Person #3:	Traffic Count	Cliffside Park	Turning counts → & paper.
Person #4:	Traffic Count	I-481 NB*	SM, DI-0363, count 010 ↑
Person #5:	Traffic Count	I-481 SB*	MG, DI-0364, count 011 ↑
~~Person #6:~~			

* View may require ped access via bridge to east or higher elevation via dirt roads to east.

Speeds @ I-481 NB & SB appear normal. 65-75, Avg=70.
Speeds @ Rock Cut Rd. Radar gun. Range 35-69, Avg=52.
Speeds @ Cliffside =5-10 mph. model elevation.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 6 ~~10~~ mph DIRECTION: ~~ENE~~ NE
TEMPERATURE: ~~67°F~~ 71°F
HUMIDITY: ~~27% RH~~ 25% RH

* 1st Run was outside of acceptable times.

	RUN TIME	NOISE LEVEL dBA	COMMENTS
*	11:57	-	begin
	12:12	-	end
	13:39	-	begin
	14:04		end

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 10
Heritage Landing Drive Apartments
5860 Heritage Landing Dr

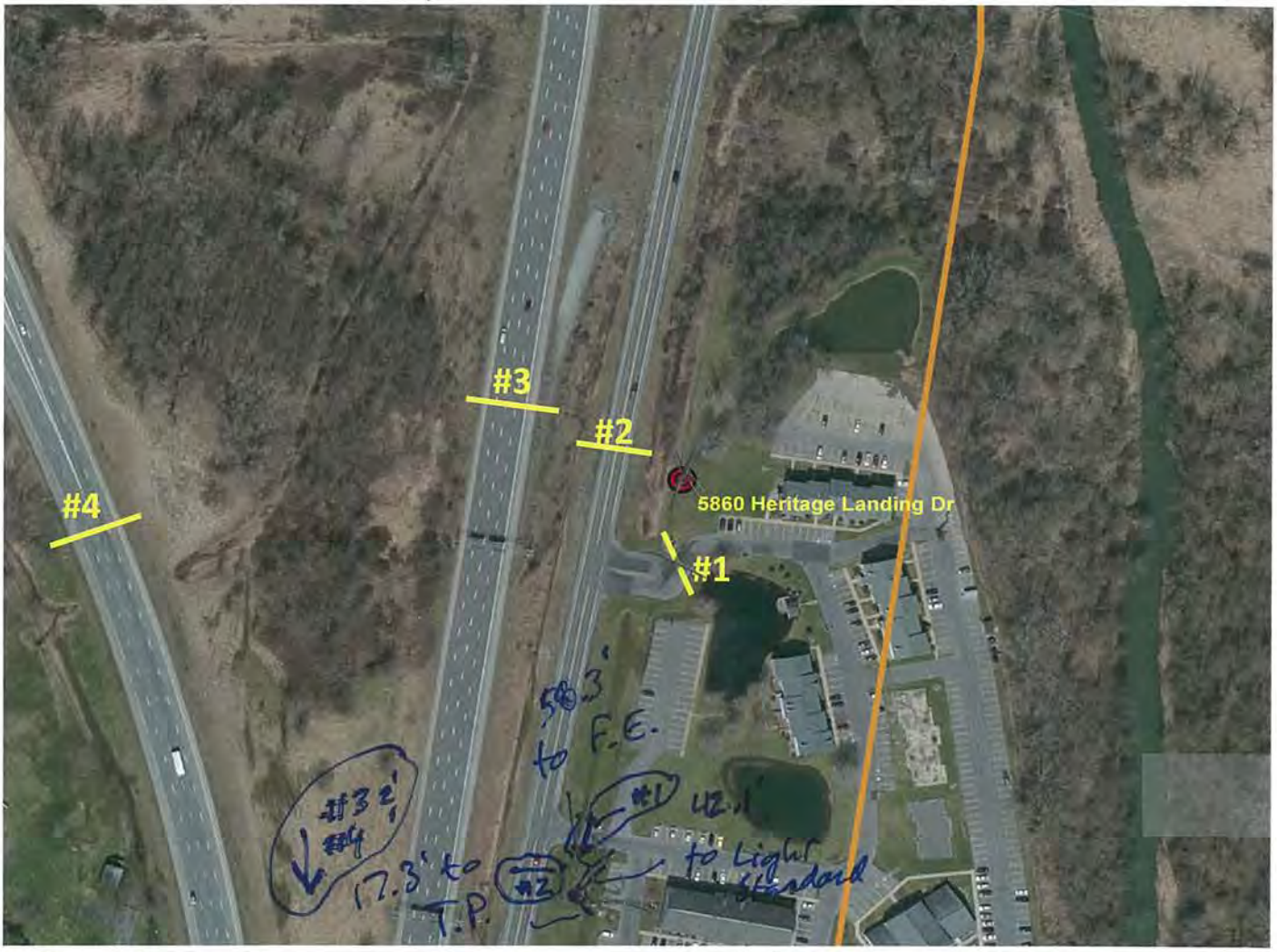
Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	~~66.1~~ 65.4	~~65.2~~ 65.2	~~65.0~~ 64.9	64.8	65.1
Start Time ~~11:57~~ 13:39	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: _____ PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



Speeds
#1 5-10 mph
#2 - 45 mph
#3 - } 65-70 mph
#4 - }

RECEPTOR I.D. 10
Heritage Landing Drive Apartments
5860 Heritage Landing Dr

Notes: move receptor to S. building, in line w/ Apt. door (& 5th of 6th parking) & in line w/ telephone poles spot ? or to S a little bit near parking corner ?

	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	Heritage Landing Drive	MH, paper cnt.
Person #2:	Traffic Count	Butternut Dr	DD, DI-0803, Count 013 ~~012~~ ←
Person #3:	Traffic Count	I-481 NB*	SM, DI-0363, count 012 ~~011~~, ←
Person #4:	Traffic Count	I-481 SB*	MG, DI-0364, Count 013 ~~012~~, ←
Person #5:	481 significant amounts of traffic	- motorcycles & trucks very discernable. Individual cars not discernable when NB 481 is loaded. when no NB, SB cars SB always seems to add to the overall levels though	
Person #6:			

* Visual access to I-481 may require standing closer to Town Hall driveway to the south.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA 00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 0-2 mph DIRECTION: ESE
TEMPERATURE: 56°F
HUMIDITY: 47% RH

LOCATION DIAGRAM

Notes:

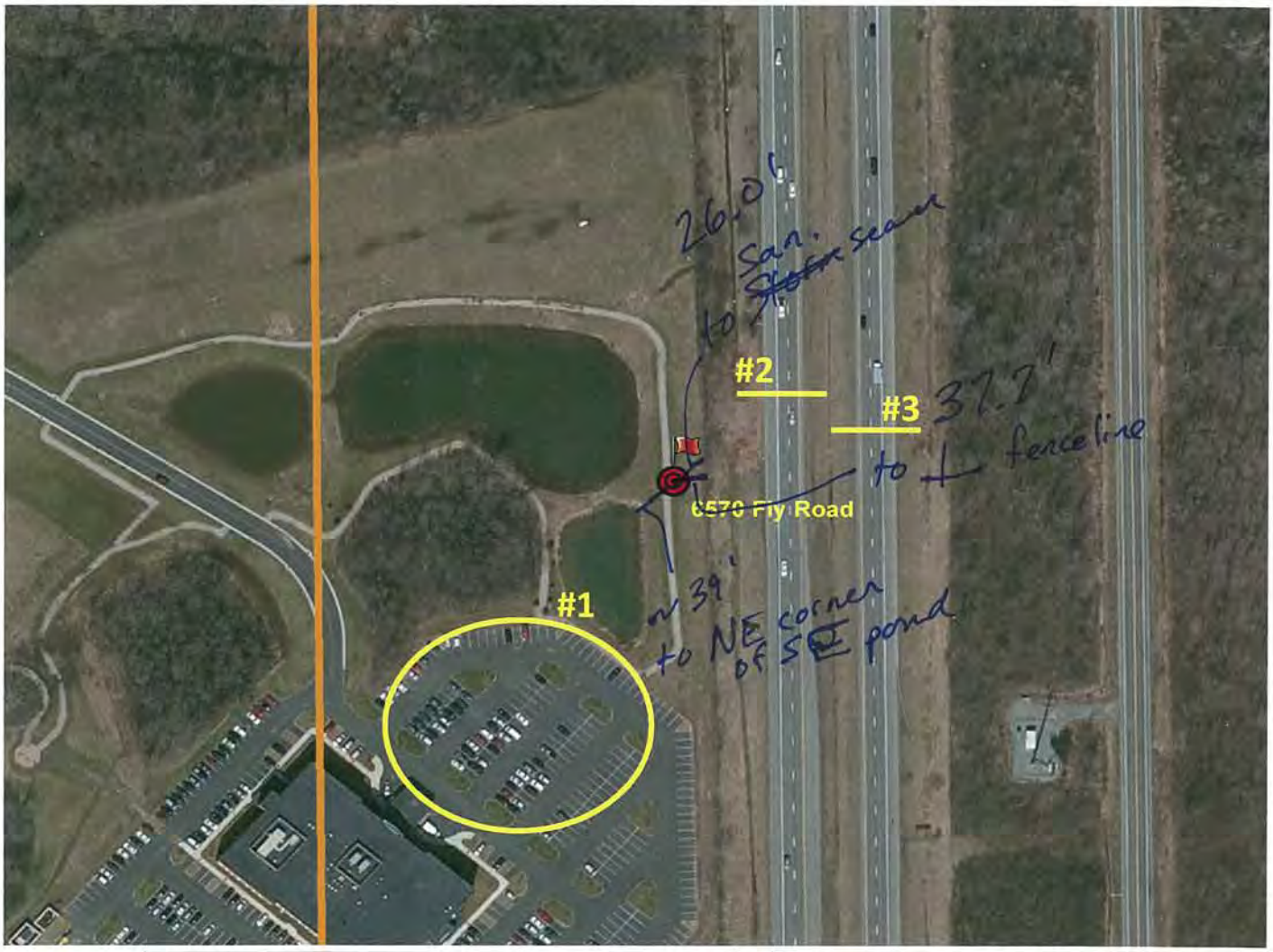
RECEPTOR I.D. 11
Upstate Orthopedics
6570 Fly Road

RUN TIME	NOISE LEVEL dBA	COMMENTS
08:41	-	begin
08:46	~69	plane
09:06		end

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	72.0	72.2	72.1	71.7	71.5
Start Time 08:41	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 11
Upstate Orthopedics
6570 Fly Road

Notes:
I-81 speed appear normal. 65-70 mph.

	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	General Parking Lot Activity*	MH, DI-0803, Count 009, →
Person #2:	Traffic Count	~~I-81 SB~~ I-481 SB	MG, DI-0364, Count 010, →
Person #3:	Traffic Count	~~I-81 NB~~ I-481 NB	DO, DI-0803, Count 16 →
Person #4:	Traffic Count	0-5 = none discernable due to I-81 noise.	
Person #5:	Traffic Count	5-10 = same	
Person #6:	Traffic Count	10-15 = same 15-20 = same	20-25 = observe fright but could not hear, scan

* General percent of spots taken and turnover notes.

- Path is no longer present, Only greenspace observed. Discuss receptor Location.
- Discuss and keep in same LOC.

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 5/2/16 — PROJECT NAME: I-81 Viaduct Project (D031085)

JOB NO: 13092 — LOCATION: Syracuse, New York

PIN NO: 3501.60 — PERSONNEL: DUSTIN OSBORNE, SCOTT MATHEWS, MATT HOLQUIST

INSTRUMENT: Casella CEL 633 — SN: FA00337 — WEIGHTING: A

CALIBRATION (dBA): *Before:* 114 dB *After:* 114 dBA

START (DATE/TIME): 10:00 PM 5/2/16

END (DATE/TIME): 10:00 PM 5/3/16

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 11
Upstate Orthopedics
6570 Fly Road

RUN TIME	NOISE LEVEL dBA	TEMP	WIND	RH	COMMENTS
0 2200	63.3	47	1 NNW	89	T [illegible]
1 2300	62.5	47	0-1 NNW	89	[illegible]
2 0000	60.0	46	0-1 NNE	89	Spike in traffic. Starting
3 0100	60.4	46	0 NNE	92	at 0400. Birds calling
4 0200	61.4	45	0 NNE	93	(Robins) starting around
5 0300	60.5	43	0 NNE	93	0445. 0500 → dense fog
6 0400	63.2	43	0-1 NNE	96	0600 Fog so dense, moisture covering
7 0500	65.1	42	1-2 N	96	everything - microphone, & heavy
8 0600	70.1	41	1-2 W	96	in air
9 0700	72.1	42	0-1 NE	96	0830 Siren 481 SB
10 0800	71.2	42	1-2 WNW	96	0904/0905 siren 481 NB
11 0900	65.9	43	0 W	100	0900–0935 Bridge truck 481 SB on shoulder - Emergency Vehicle Response (2 to 3 sirens) - Traffic slow
12 1000	68.3	47	calm	90	0915 Traffic very slow (10-20 mph)
13 1100	72.1	49	1 W	80	0940 Speed getting back up to normal
14 1200	69.1	51	1 WSW	74	Fog lifted between 8 and 9
15 1300	69.5	56	2 ESE	64	1118 lawn mowing begins (see back for details)
16 1400	69.4	55	2 NNE	64	1134 lawn mowing in area ends
17 1500	69.2	56	2-3 S	62	1652 - plane flies directly overhead, minimal noise
18 1600	69.7	58	2-5 SE	60	Planes @ 1752 & 1754 fly overhead (1752 plane → very loud)
19 1700	69.4	60	1-2 ESE	55	2024 Geese take flight right by Microphone.
20 1800	68.9	59	1-2 N	55	2142 traffic really dies.
21 1900	67.0	57	0-1 E	57	
22 2000	66.6	56	0 - E	62	
23 2100	65.4	54	3-5 NNE	69	
24 2200	—	53	1-2 NNE	71	

Additional Comments:

1119 Doin first Pass

1120 200@ ft. away

1121 At microphone going north - twin nimm

1121 At ~~trailer~~ mic goin south

takes 18 seconds to go 200' from back to front

1124 Pass peaked @ 90.6

1125-1128 Now just doing north of mic. turning at 75' away peaking about ~~84~~ 81

At 100' away sound blends ~~towards~~ in w/ tractor

1128 - Now on back side of pond at about 73 (peak)

1129 - (2) 2nd lawn mower coming w/in 10' to south peak at 86?

1131 - Passes at about 85 each

1132-1135 Final clean up / multiple passes / continuous peaked at about 81

1134 - Lawn mowers gone

2107
2096
2005
1941
1845
1821
1820
1800
0135
1357
2342
2312
2311
2303
2276

PLANES

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 5/4/16 | PROJECT NAME: I-81 Viaduct Project (D031085)

JOB NO: 13092 | LOCATION: Syracuse, New York

PIN NO: 3501.60 | PERSONNEL: DUSTIN OSBORNE / MATT HOLQUIST

INSTRUMENT: Casella Cel 633 | SN: FA 00337 | WEIGHTING: A

CALIBRATION (dBA): *Before:* 114 dB *After:* 114 dBA

START (DATE/TIME): 5/4/16 0500

END (DATE/TIME): 5/4/16 1200

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 11
Upstate Orthopedics
6570 Fly Road

RUN TIME	NOISE LEVEL dBA	TEMP	WIND	RH	COMMENTS
0 0500	67.8	48	ONNE	89	less moisture, humidity & Fog at 0500, than yesterday.
1 0600	72.8	47	ONNE	89	
2 0700	74.2	48	ONNE	89	0536 → Morning songbirds making an awful lot of chatter.
3 0800	73.4	51	0-1 E	89	
4 0900	71.2	55	1-2 SE	83	Revising Las 3-5 intervals
5 1000	70.4	58	3-5 ENE	58	0545 → 5 sea gulls Making
6 1100	70.3	58	0-4 ENE	69	noise directly over microphone.
7 1200	—	59	2 NNE	75	0613 - siren - distant but loud.
8					0652 - 5 geese fly into pond, right over microphone, Honking - loud.
9					
10					0722 → 4 geese - Honking, then take flight
11					0731 → car horn → parking lot
12					0735 → MAC - van - pulled over southbound → 450' south of microphone.
13					0744 → door lock → car horn
14					0807 → 2 geese fly in honking
15					0823 → 2 geese - Honking
16					0926 → double car horn
17					1039 → Double Car Horn → South bound 481 (My girlfriend)
18					1105 - very light precipitation - no impact on roads yet.
19					
20					
21					
22					
23					
24					

Additional Comments: Planes: 0547, 0607 → very loud, 0615, 0617, 0624, 0626, 0634, 0719, 0741, 0751, 0823, 0829, 0952, 1112, 11:45, 11:52, 11:56

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/10/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N:
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 0-1 DIRECTION: N
TEMPERATURE: 54° F
HUMIDITY: 41% RH

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 12
Noise Wall No 481I333N3 - B
Kenlaren Cir

RUN TIME	NOISE LEVEL dBA	COMMENTS
10:08		Begin
10:33		Finish

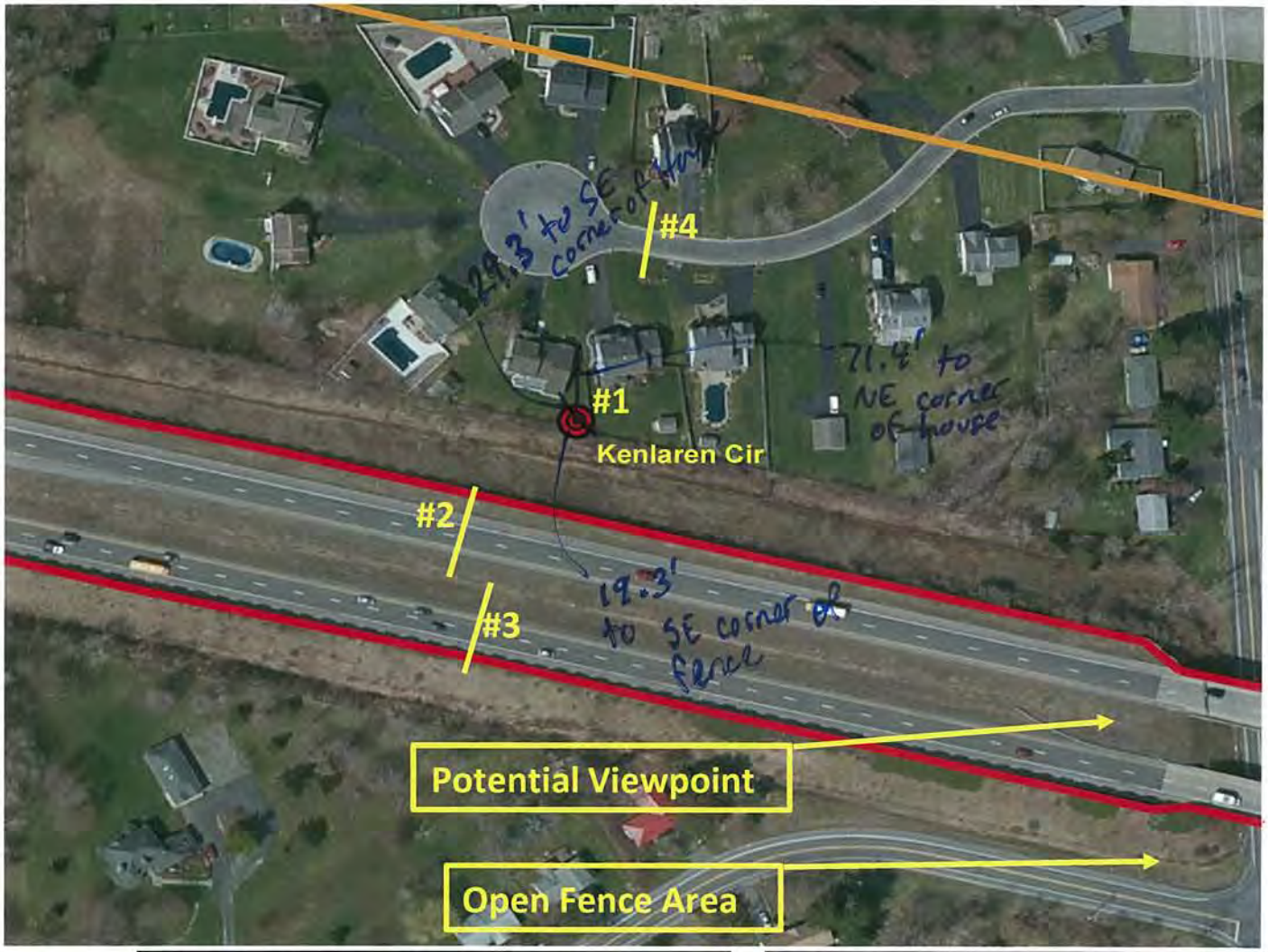
Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	57.0	56.4	55.9	55.5	55.4
Start Time 10:08	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: _____ PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 12
Noise Wall No 481I333N3 - B
Kenlaren Cir

Notes:

	Function		Street	Person Name
Person #1:	Meter, Speeds		NA	
Person #2:	Traffic Count	001	I-481 NB*	Dustin Osborne DI-0803
Person #3:	Traffic Count	001	I-481 SB*	Mike Gerber DI-0364
Person #4:	Traffic Count	001	Kenlaren Cir - CONFIRM NEED	Scott Matthews DI-0363
Person #5:				
Person #6:				

* I-481 counters can view traffic from embankment between bridges on Totman Rd.

Provide letter & my business card to resident (wife) who would like to talk to her husband prior to authorizing access. He is to contact me via my cell phone.

I-81 Viaduct Project (D031085)
PIN No. 3501.60
Syracuse, New York New York

I-481 Speeds avg'd 70. consistent in both directions - ranged 51-87.

Noise Analysis Speeds Worksheet
(Fill in shaded areas only)

Site:

Kenlaren, no traffic.

Time 1 Distance ====> feet Time 2 Distance ====> feet

Count #	am (sec)	MPH	KPH		pm (sec)	MPH	KPH
1	1	0.00	0.00		1	0.00	0.00
2	1	0.00	0.00		1	0.00	0.00
3	1	0.00	0.00		1	0.00	0.00
4	1	0.00	0.00		1	0.00	0.00
5	1	0.00	0.00		1	0.00	0.00
6	1	0.00	0.00		1	0.00	0.00
7	1	0.00	0.00		1	0.00	0.00
8	1	0.00	0.00		1	0.00	0.00
9	1	0.00	0.00		1	0.00	0.00
10	1	0.00	0.00		1	0.00	0.00
11	1	0.00	0.00		1	0.00	0.00
12	1	0.00	0.00		1	0.00	0.00
13	1	0.00	0.00		1	0.00	0.00
14	1	0.00	0.00		1	0.00	0.00
15	1	0.00	0.00		1	0.00	0.00
16	1	0.00	0.00		1	0.00	0.00
17	1	0.00	0.00		1	0.00	0.00
18	1	0.00	0.00		1	0.00	0.00
19	1	0.00	0.00		1	0.00	0.00
20	1	0.00	0.00		1	0.00	0.00
Averages =>	1	0.00	0.00		1	0.00	0.00

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 1-6 mph DIRECTION: NNE
TEMPERATURE: 74° F
HUMIDITY: 21% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
17~~58~~:28		begin
		I-81 is very loud. Many trucks & motorcycles.
		Dog at end of Harold barking occasionally, but insignificant compared to I-81.
17:53		end
No activity on Harold Place.		

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 13
Harold Place Area Residences
5801 Harold Pl

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	70.4	70.7	70.8	70.6	70.7
Start Time 17:28	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60

Speeds
#1 - Ø activity
#2 - 5
#3 - 5 appear normal 70 mph
~~#4 - 8~~
#4 45-57 radar

RECEPTOR I.D. 13
Harold Place Area Residences
5801 Harold Pl

Notes: move east due to swamp.

	Function		Street	Person Name
Person #1:	Meter, Speeds, Cnt	✓	Harold Place → MG, D1-0364, count 016, ← MH - observations on sheet, Ø activity.	
Person #2:	Traffic Count	✓	I-81 NB* } can observe from end of Harold.	
Person #3:	Traffic Count	✓	I-81 SB* } SM, D1-0363, count 015, ← (☆)	
Person #4:	Traffic Count	✓	S. Bay Rd - CONFIRM NEED	Could only hear trucks with
Person #5:			→ DO, D1-0803, Count 016, ←	I-81 Noise.
Person #6:				

* Counting for I-81 may be easier from S. Bay Rd Bridge, south of the site.

(☆) SM count → ~~B~~ should be Ø buses. Erase B.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/10/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 4 mph DIRECTION: N
TEMPERATURE: 60° F
HUMIDITY: 29% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
13:08		Begin
		significant truck traffic
		both NB & SB.
13:33		end.
		No traffic on Michael.

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 14
Residences East of I-81
128 Michael Ave

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	70.0	70.1	69.9	70.0	70.0
Start Time 13:08	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: _____ PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60

RECEPTOR I.D. 14
Residences East of I-81
128 Michael Ave

Notes: Counters arrow points E.
SB81 elevation lower than NB81.

	Function	Street	Person Name
Person #1:	Meter, Speeds* 003	NA Michael	MH DI-0363
Person #2:	Traffic Count 003	I-81 NB	DO DI-0803
Person #3:	Traffic Count 003	I-81 SB	MG DI-0364
Person #4:	~~Traffic Count~~	~~Michael Ave - CONFIRM NEED~~	#1 can count any (likely 0)
Person #5:			loud buses, motorcycles, or trucks.
Person #6:			cars inconsequential.

* Confirm with property owner or measure from DOT side of ROW fence.

I-81 speeds appear consistent w/ other observations @~70 mph.

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 4/27 → 4/28/16 PROJECT NAME: I-81 Viaduct Project (D031085)
JOB NO: 13092 LOCATION: Syracuse, New York
PIN NO: 3501.60 PERSONNEL: JS, MH, MM
INSTRUMENT: Casella CEL 633 SN: FA02070 WEIGHTING: A
CALIBRATION (dBA): *Before:* 114 dB *After:* 114 dBA
START (DATE/TIME): 4/27/16 @20:00
END (DATE/TIME): 4/28/16 @20:00

RUN TIME	NOISE LEVEL dBA	°F TEMP	MPH WIND	% RH	COMMENTS
0 20:00	57.5	45	7NW	30	
1 21:00	56.4	42	5NW	37	
2 22:00	57.9	40	6W	42	
3 23:00	55.1	39	Calm	43	
4 00:00	52.3	40	4WNW	46	
5 01:00	51.6	38	[illegible]	52	Wind speed 3 WSW
6 02:00	50.9	36	3WSW	62	Wind speed 3 WSW
7 03:00	51.6	34	Calm	70	
8 04:00	54.4	34	Calm	70	0430 Birds begin to sing
9 05:00	58.8	32	3 SW	72	chirping at its time
10 06:00	62.3	31	Calm	76	1000 - Small Aircraft
11 07:00	62.3	33	Calm	73	flew over Location
12 08:00	64.1	36	3 N	65	
13 09:00	66.6	42	2 N	59	
14 10:00	61.1	45	E-5	48	
15 11:00	61.3	48	NNW	32	
16 12:00	60.9	50	3 NW	32/30	
17 13:00	65.4	52	NNW	30	
18 14:00	63.2	52	N 2	29	
19 15:00	63.6	54	WNW 5	25	
20 16:00	63.9	58	N 5	26	
21 17:00	61.7	52	NNW	25	
22 18:00	60.3	50	NW 14	36	
23 19:00	65.6	48	NNW	41	
24 20:00	—	46	NNW	46	

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 14
Residences East of I-81
128 Michael Ave

Additional Comments:

80
23
LE 26
19 25

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/10/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 4mph ~~3 mph~~ DIRECTION: ~~W~~ W
TEMPERATURE: ~~66°F~~ 65°F
HUMIDITY: ~~20% RH~~ 27% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
15:33	-	begin
15:49		Run aborted
		I-81 NB traffic
		severely slowing.
		In addition, tree
		cutting service truck
		turning around w/
		back up alarm.
18:03	-	begin
18:08	-	car pulls in rec. drive
18:10	61.2	trunk slam
18:24	64	plane
18:28		end.

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 15
Noise Wall No 81I333S2
210 Dexter Ave

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	~~56.5~~ 57.1	~~56.8~~ 57.2	57.1	56.9	57.0
Start Time ~~15:33~~ 18:03	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/10/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60

RECEPTOR I.D. 15
Noise Wall No 81I333S2
210 Dexter Ave

Notes: 18:00 run - traveled NB 81 enroute to site, speeds were 60 mph.

	Function		Street	Person Name (counter facing)
Person #1:	Meter, Speeds, Cnt	√	Dexter Ave	MH - DI-0363, Count 0056, ↑
Person #2:	Traffic Count	√	I-81 SB* ~~Stand step stool to sit~~ on for vantage for Western most lanes.	
Person #3:	Traffic Count	√	I-81 NB*	MG DI-0364, Count 0057 ↑
Person #4:			→ I-81 SB	DO - DI-0803, Count 0057, ↑
Person #5:				
Person #6:				

* I-81 may potentially be viewed from ends of Luther or Kearney Ave.

Abort Run. I-81 NB traffic slowed & stopped. Try again @ 18:00.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM, NK, KO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 6 mph DIRECTION: SE
TEMPERATURE: 84° F
HUMIDITY: 31% RH

Model all Z.

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 16
Residences Along Sunset Ave
406 Sunset Ave

RUN TIME	NOISE LEVEL dBA	COMMENTS
12:02	–	begin (after car alarm fals ~~start~~)
12:27	–	end
NB ramp	noise was slightly audible wh	
buses or	loud trucks were accelerati	
1st Int.	a few buses	
2nd	a few buses, 2 loud cars	
3rd	no significant noise	
4th	no significant noise	
5th	1 light truck, slight noise	

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	65.1	64.4	64.0	63.8	63.6
Start Time 12:02	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)

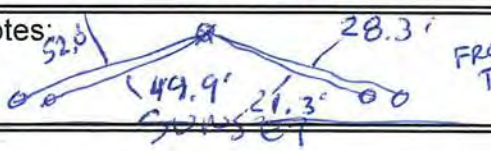
LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60

D.O. Speeds see sheet

RECEPTOR I.D. 16
Residences Along Sunset Ave
406 Sunset Ave

Notes:



	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	Turtle St ↔ Sunset – SB RAMP	MH, D1-0807, Count 020, Turning Ct. ↑
Person #2:	Traffic Count	~~Sunset Ave~~	SM, T-1958, Count 003 ↓
Person #3:	Traffic Count	I-81 NB*	MG, D1-0364, Count 021, ↓
Person #4:	Traffic Count	I-81 SB*	KO, JK iPad ↓
Person #5:	Traffic Count	Bear Street	NK, D1-0363, Count 021, ←
Person #6:	if available could do SUNSET ⅔		

* I-81 traffic may be viewed from the Bear St. Bridge. or across sunset near receptor

2 is important. Factor for SB Ramp. NB ramp is shielded.

Site Code:
16

Sunset: Range 25-35 Avg. 30 mph

Turtle: Range 20-25 Avg. 23 mph
24

Bear: Range 20-30 Avg. 27 mph.

I 81: Range 55-65 Avg. 62 mph - N. Bound

Range 50-60 Avg. 55 mph - S. Bound

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N: FA 00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 0-3 mph DIRECTION: NE
TEMPERATURE: 76°F
HUMIDITY: 14% RH

The city has background noise that may be difficult to model; ~57 dB with no traffic.

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 17
Hanley Federal Building Greenspace
119 S Clinton St

RUN TIME	NOISE LEVEL dBA	COMMENTS
14:59:55	=	begin
15:01	65+	Const. noise/back up alarm
15:07		same JLG w/ backup alarm
15:10	up to 69	construction pounding
	(57 without)	hammering. Consistent till 15:11.
15:12	61	Const. start motor.
	(57 without)	runs until 15:15.
15:21	↑ to ~65	Const. hammering again
		Not as consistent.
15:23	↑ to 70	More consistent
15:24		Stops/slows
15:24:55		end.

Construction @ NW corner of S. Clinton & Water (immediately N of receptor)

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	61.8	61.3	62.1	61.7	61.7
Start Time 14:59:55	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

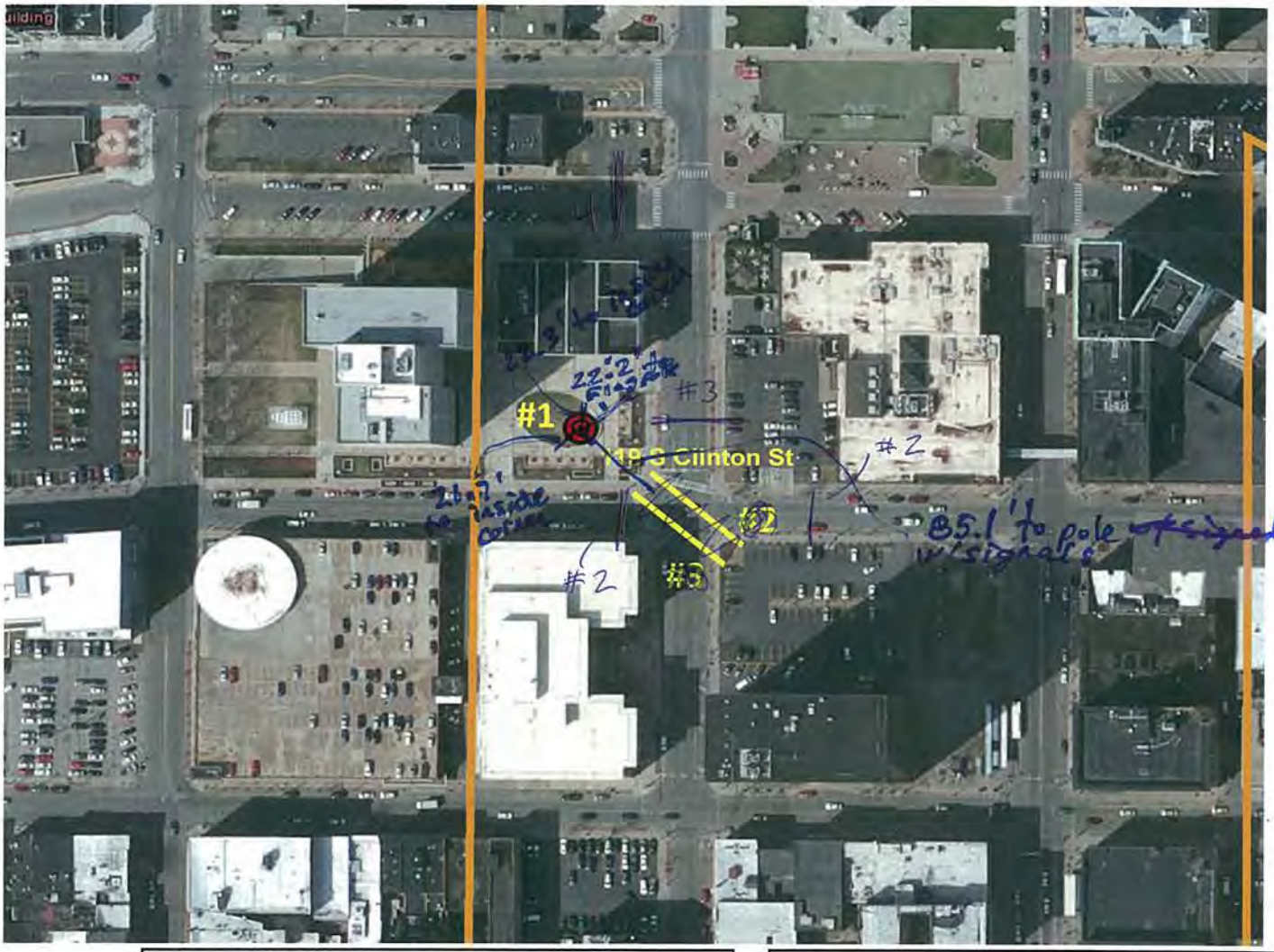
Speeds – 21-31
Washington (2
Clinton – 20-30
Aug. 24

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: _____ PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 17
Hanley Federal Building Greenspace
119 S Clinton St

Notes: General downtown noise, some local traffic at other intersections. N building is

	Function	Street	Person Name
Person #1:	Meter, Speeds	NA	→ MG, D1-0364, Count #C14, ↑ Turning Movement Paper (Both ways.)
Person #2:	Intersection Count	~~1/2 of S.Clinton~~/W. Washington →	~~make observations during 24hr to determine for 2 appl~~
Person #3:	Intersection Count	1/2 of S.Clinton/~~W. Washington~~	
Person #4:	SM Water St. →	DJ	→ S Clinton, D1-0803, Count 14 ↑
Person #5:		→ SM → D1-0363, Count 013, simple count.	Turning Counts & Paper
Person #6:		*note construction observations	

(315) 448-0603 - GSA (owners of building) Contact to discuss, per security agent!

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM, NK, KO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 6-11mph DIRECTION: ESE
TEMPERATURE: 88° F
HUMIDITY: 27% RH

Model all buildings, especially W of NR.

LOCATION DIAGRAM

Notes:

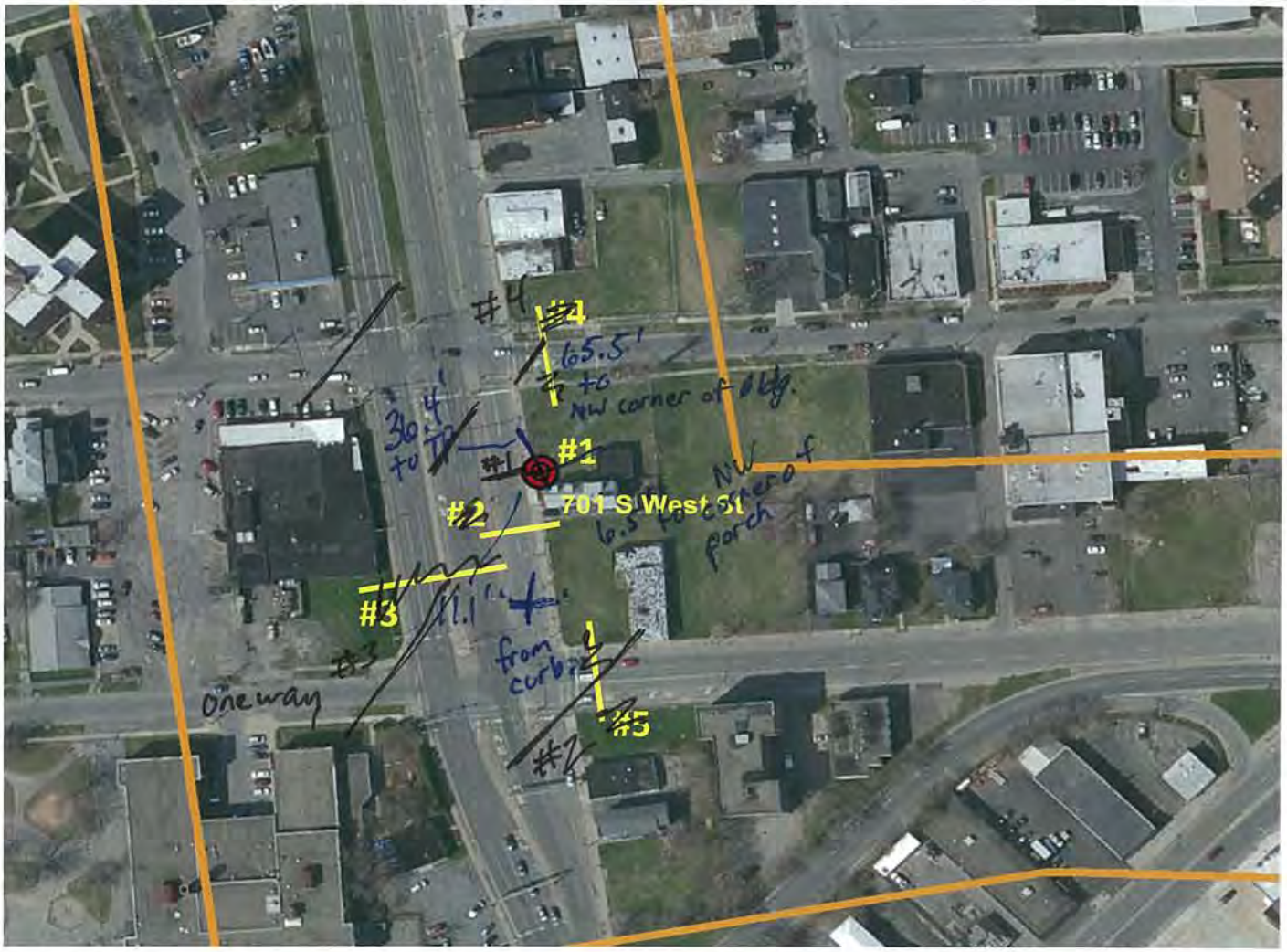
RECEPTOR I.D. 18
Apartment Building at 701 S West St
701 S West St

RUN TIME	NOISE LEVEL dBA	COMMENTS
15:31	-	begin
~6 minutes in		resident asking questions / Relatively quiet by.
15:46		horn
15:49		resident talking again.
15:56		end.
Speeds.		
S.W	NB	30-40 (37)
	SB	20-30 (25)
Gifford	all	30-35 (33)
Seymour	all	30-35 (33)

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	63.8	65.2	65.1	64.9	65.2
Start Time 15:31	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 18
Apartment Building at 701 S West St
701 S West St

Notes: Turning counts for all, except Access Rd (MH)

	Function	Street	Person Name
Person #1:	Meter, Speeds	NA S. West St Access Rd - Regular Type Count, MH, DI-0803, Count 02	
Person #2:	Traffic Count	~~Local~~ S. West St NB & Seymore WB	NK, DI-0363, Count 023, ↑
Person #3:	Traffic Count	~~2 Way~~ S. West St SB	SM, T-1958, Count 005, ↑
Person #4:	Traffic Count	Gifford St WB & S. West St NB	KO, JKK ipad, ↑
Person #5:	Traffic Count	~~Seymour St~~ Gifford EB & S. West St SB	MG, DI-0364, Count 023, ↑
Person #6:	DO-Speed @ all w/	Radar Gun. - see ~~Sheet~~ Noise survey sheet	

May need to model this signal to account for acceleration noise. Yes. Model all 3.

Discuss turning movements of all intersections plus one south of area w/ traffic light backing up & bus/truck acceleration. Buses/trucks WB Seymore turning N or S onto S. West St differ in levels. This area is fairly wide open w/ significant bus/truck traffic.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/10/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
500 Genesee St
PIN NO: 3501.60
PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 2-10 DIRECTION: NE
TEMPERATURE: 62° F
HUMIDITY: 36% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
19:11		Begin
19:13	70.4	plane
19:18	–	motorcycle on Highway was audible
19:25:50	–	bus brakes coming to light. Not counted
~~19:26~~		
19:26		end.

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 19
Outdoor Public Access Area
500 E Genesee St

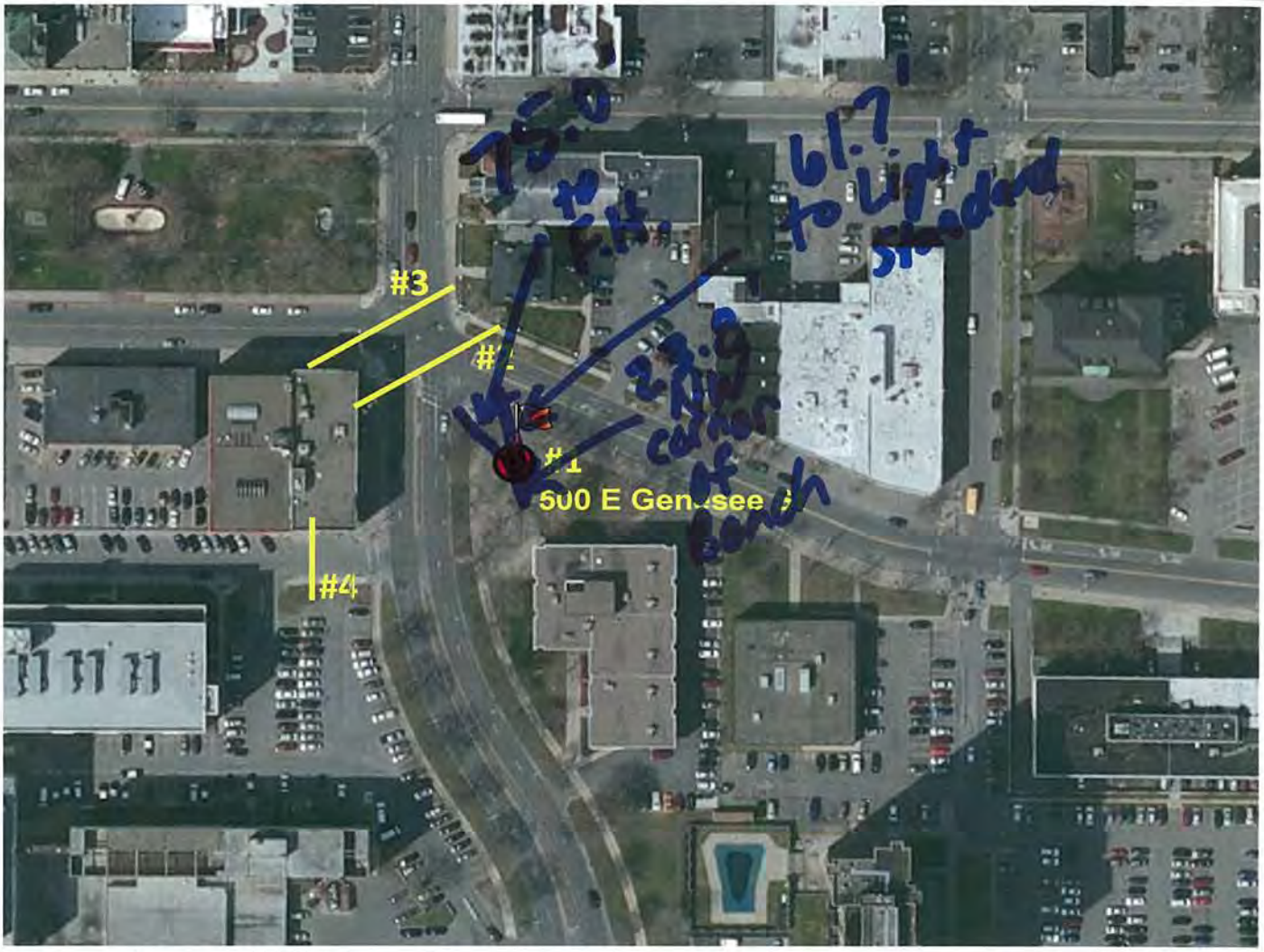
Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	59.9	60.7	60.7		
Start Time 19:11	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: _____ PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 19
Outdoor Public Access Area
500 E Genesee St

Notes: Move ~~NB~~ ~~North~~ towards E. Genesee due to tree, 20 South

	Function	Street	Person Name
Person #1:	Meter, Speeds	NA McCarthy Ave	MH, D1-0363, count 7, ↑ 10 mph
Person #2:	Traffic Count	1/2 of E. Genesee/S.Townsend	MG, D1-0364, count 8, ↑ 30 mph
Person #3:	Traffic Count	1/2 of E. Genesee/S.Townsend	DO, D1-0803, count 8, ↑ 30 mph
Person #4:	Traffic Count	~~McCarthy Ave~~ #1	
Person #5:			
Person #6:			

Nancy Moran - Manager @ Bldg. Advise her that we will be starting 24-hr. tonights

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 4/27/16 - 4/28/16 PROJECT NAME: I-81 Viaduct Project (D031085)
JOB NO: 13092 LOCATION: Syracuse, New York
PIN NO: 3501.60 PERSONNEL: DUSTIN OSBORNE, SCOTT MATHEWS, MATT HOLQUIST
INSTRUMENT: CASELLAE CEL 633 SN: ~~7400537~~ WEIGHTING: A
CALIBRATION (dBA): *Before:* 114 dB *After:* 114 dBA FA02070 LOCATION DIAGRAM
START (DATE/TIME): 2000 4/27/16
END (DATE/TIME): 2000 4/28/16

Notes:

RECEPTOR I.D. 19
Outdoor Public Access Area
500 E Genesee St

RUN TIME	NOISE LEVEL dBA	TEMP	WIND	RH	COMMENTS
0 2000	67.0	48	0 NNE	25	2008 - woman walked right thru set
1 2100	65.9	45	0 NNE	30	↳ (shuffling plastic bag)
2 2200	65.6	43	0 NNE	37	2058 - sirens - marked data (Blue)
3 2300	64.1	40	0 NNE	46	2125 - sirens - marked data (Blue)
4 0000	62.3	38	0 NNE	52	2219 - 2 skateboarders roll thru
5 0100	61.0	39	0 NNE	50	0000 - sirens - marked device (Blue)
6 0200	60.3	36	0 NNE	59	Noticed at 0245 - No traffic and
7 0300	60.9	35	0 NNE	64	Robins calling overhead of
8 0400	62.6	33	0 NNE	66	microphone noise LAS 4 digits
9 0500	66.7	33	0 NNE	66	from 46 - 51.
10 0600	69.0	32	0 NNE	72	Light sirens 0256
11 0700	68.9	33	0-2 NNE	73	0418 - Garbage truck empties dumpsters. ESE - Direction - considerable noise
12 0800	68.2	36	0 NNE	71	0633 - Man leaf-blowing bldg premises adjacent to microphone (to East)
13 0900	67.2	46	ONE	29	↳ considerable noise - raised LAS - 5-10 intervals
14 1000	67.3	48	0 ENE	26	0654 - Street sweeping zamboni right infront of setup - considerable noise
15 1100	66.9	49	7 NNE	31	↳ And again at 0656
16 1200	66.6	52	0 ENE	23	0826 ambulance siren
17 1300	66.4	55	0 E	25	0922 lawn mowing and weed whacking begins
18 1400	67.2	58	0 ENE	18	0933 lawn machines stop
19 1500	68.5	61	0 ENE	15	0934 sirens
20 1600	70.6	57	0 NE	18	0959 sirens
21 1700	70.7	54	5 NE	27	1007 sirens
22 1800	69.2	51	4 NE	32	1033 horn blast from cars in intersection
23 1900	68.3	50	5 NE	36	10:55 lawn mowing for ~5 minute at SW across S. Townsend. Not very loud.
24 2000	—	49	ONE	39	11:20 sirens
					1135 siren. Addnl sirens at 1137 & 1138. All were a few blocks away and not very loud.
					1313 siren
					1330 Rappers
					1428 Kids on skateboards and one kid talking to it.
					1432 siren
					1545 siren

Additional Comments:
Bldg Contact: Nancy Moran, Kupp Collection Agency
1945 siren

Best Western by Airport.
Jon - Airport Hampton

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N: FA 00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 4-7 mph DIRECTION: ENE
TEMPERATURE: 79° F
HUMIDITY: 12% RH

LOCATION DIAGRAM

Notes:

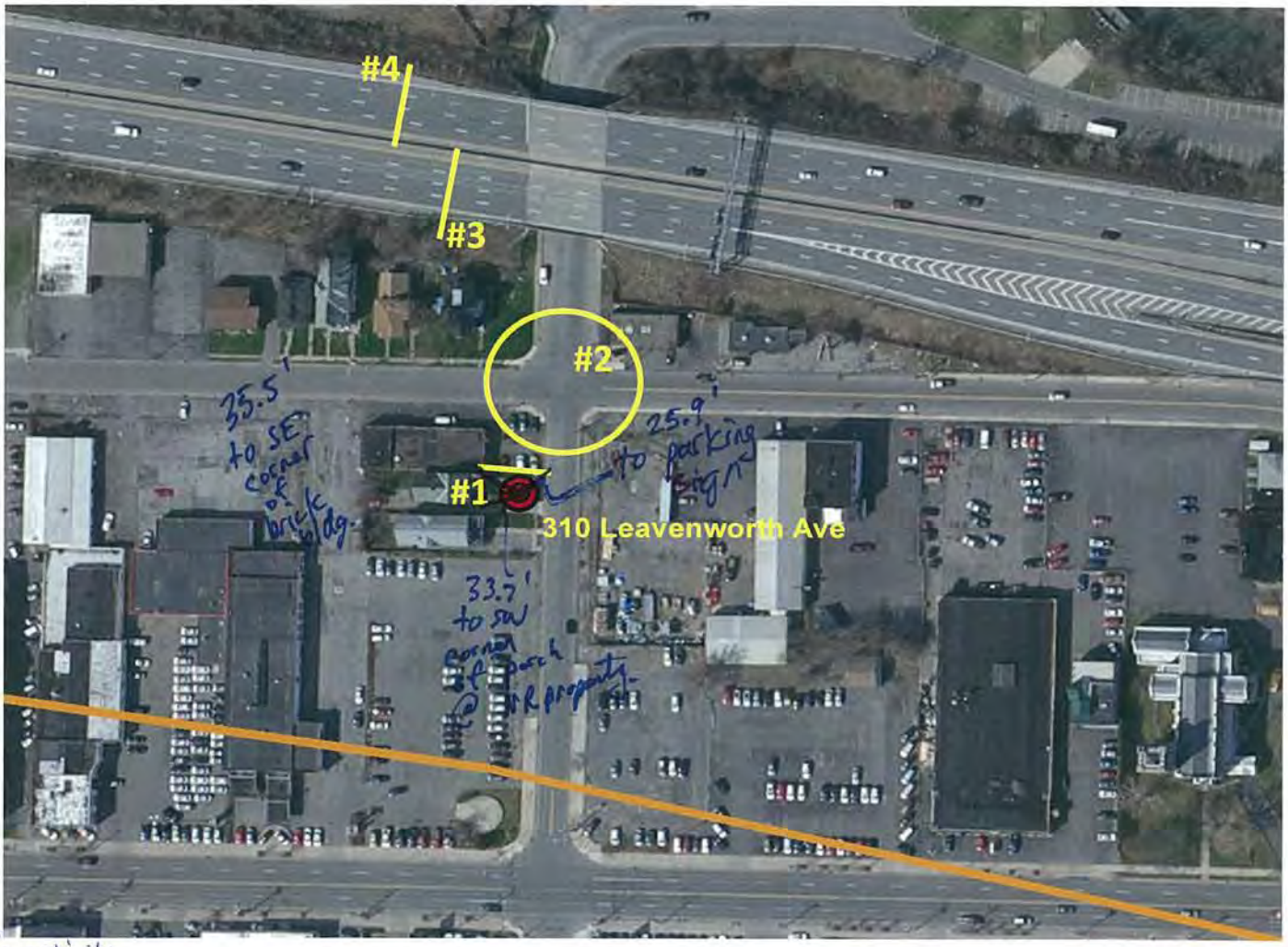
RECEPTOR I.D. 20
Residences in the Leavenworth Ave Area
310 Leavenworth Ave

RUN TIME	NOISE LEVEL dBA	COMMENTS
16:21	—	begin
		ppl @ receptor sitting on porch, grilling, talki
		house NW corner has
		small dog occasional bar
		should all be insignific.
	64	small child occassionally screaming. Occassiona door closing.
1631		quick horn beep
1636		end.

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	63.3	62.7	62.7		
Start Time 16:21	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/11 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60



Speeds
#1 - no activity
#2 - Lev. 25-30
Bel. 30
#3 - } normal flow
#4 - } 55-60

RECEPTOR I.D. 20
Residences in the Leavenworth Ave Area
310 Leavenworth Ave

Notes: ☆ if spike of LT (5+) on 3rd interval, was accident, should be A. There were very little light trucks.

	Function		Street	Person Name
Person #1:	Meter, Speeds, Cnt	✓	Parking Lot	No activity
Person #2:	Intersection Count	✓	Leavenworth/W. Belden	DO, DI-0803, Count 015 ↑
Person #3:	Traffic Count	✓	I-690 EB* ☆	SM [redacted], DI-0364, Count 015 ↑
Person #4:	Traffic Count	✓	I-690 WB*	Mg [redacted], DI-0363, Count 014 ↑
Person #5:				
Person #6:				

* I-690 viewpoint may be from walking up N.West St Ramp (along grass behind guard rail).
Park @ ironworkers unions [redacted]. Authorized by them,

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/12/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO, SM, NK, KO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 4 mph DIRECTION: ESE
TEMPERATURE: 86° F
HUMIDITY: 27% RH

Model all 2 ½ houses. In addition, jersey barrier and overpass echo.

LOCATION DIAGRAM

Notes:

RECEPTOR I.D. 21
Nichols Ave Area Residences
606 Nichols Ave

RUN TIME	NOISE LEVEL dBA	COMMENTS
14:00	-	begin
14:09	74	Firetruck airhorn
14:11	—	plane
14:15	—	end

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	74.4	74.1	74.1		
Start Time 14:00	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60

Speeds
Nichols - ∅ -
Burnet - 30 40 (Avg 35)
S. Midler - 25-35 (30)
I-690 WB - 55-65 (60)
I-690 EB -

RECEPTOR I.D. 21
Nichols Ave Area Residences
606 Nichols Ave

Notes:

	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	Nichols	MH, sheet, ↑ - no traffic -
Person #2:	Traffic Count	I-690 WB	KD, JKK ipad, timed ↑
Person #3:	Traffic Count	I-690 EB	MG, D1-0364, Count 022 ↑
Person #4:	Traffic Count	Burnet	SM, T-1958, Count 004 ↑
Person #5:	Traffic Count	Ramp - CONFIRM NEED	NK, D1-0363, Count 022, →
Person #6:	Traffic Count	S.Midler Br. - CONFIRM NEED	DO, D1-0803, Count 021, → ↳ speeds w/ gun

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 4/26 - 4/27/16 PROJECT NAME: I-81 Viaduct Project (D031085)
JOB NO: 13092 LOCATION: Syracuse, New York
PIN NO: 3501.60 PERSONNEL: JS MM MH
INSTRUMENT: CASELLA CEL 633 SN: FA02070 WEIGHTING: A
CALIBRATION (dBA): *Before:* 114 dB *After:* 114 dBA
START (DATE/TIME): 4/26/16 19:04
END (DATE/TIME):

LOCATION DIAGRAM

Notes:
RECEPTOR I.D. 21
Nichols Ave Area Residences
606 Nichols Ave

RUN TIME	NOISE LEVEL dBA	°F TEMP	mph WIND	% RH	COMMENTS
0 1904	69.9	40°	SW	79	
1 2004	69.7	40	SW	73	2056 Sirens heard in the distance
2 2104	67.6	39	SW	76	2141 Fire Engine leave station
3 2204	66.5	36	SW	81	2201 Ambulance goes over the
4 2304	64.7	35	SW	81	overpass
5 0004	62.5	33	WNW	84	
6 0104	*	33	WSW	84	
7 0204	62.3	33	WSW	84	
8 0304	60.9	31	Calm	91	Siren sounded in the distance 0305
9 0404	63.0	31	Calm	91	0401 Screaming and crying coming
10 0504	66.8	31	Calm	91	from house on the corner left
11 0604	71.1	31	Calm	91	0605 Birds start to chirp near device
12 0704	72.9	31	Calm	87	0618 Garbage truck pulls on street and alley to throw into it.
13 0804	72.5	32	SSW	91	
14 0904	71.7	35	WNW	85	-MM change over from Jon S.
15 1004	71.1	37	WNW	75	0830 - Siren Sound -
16 1104	70.9	43	N-3	54	0900: Neighbor pulling out of Driveway across from Site
17 1204	70.6	46	NNW	50	0920 Additional Neighbor Car pulling out of Driveway
18 1304	70.3	48	WNW	45	1106 Siren going by
19 1404	70.3	50	W6	34	1135 U.S. mail Truck down side street
20 1504	70.7	53	W8	28	1258: Fire Truck left Firehall with Siren on.
21 1604	71.1	54	NW13	22	1400 - Low flying aircraft
22 1704	71.1	53	NNW 10	23	1444 - Aircraft flying overhead
23 1804	70.0	51	WNW 9	25	1446 - Siren from Eastbound Expressway
24 1904	—	48	NW13	26	1514 - Sirens by Street (Burnet Ave)
					1543 - Loud Truck on EB 690

Additional Comments: * Battery failure/disconnection detected @ or 01:15 am. System shut down @ ~ 12:45 am. Begin new measurements after fixing battery issue, Begin @ 02:04. LAEQ not obtained for 01:00 hour.