

Appendix A-5
Alternative Cost Estimates

Table A-5.1
Summary of Viaduct Alternative Costs
Thousand Dollars (Calculated Year) ⁽¹⁾

Construction Activities	Viaduct Alternative
Enabling Projects	\$60,111
WZTC	\$103,253
Demolition	\$50,753
Embankment	\$20,802
Tunnel	\$0
Elevated Structures	\$539,067
Retaining Walls and Noise Barriers	\$79,235
On Grade Highways	\$43,467
Local Streets	\$20,686
Lighting, Signage and Traffic Signals	\$132,624
Landscaping	\$71,178
Trunk Drains	\$72,561
Railroad	\$1,100
Contaminated Soil Removal	\$3,000
Wetlands Mitigation	\$0
Stormwater/SPDES	\$1,452
Temporary Work	\$9,729
Miscellaneous (10%)	\$120,900
Subtotal (2018 \$)	\$1,329,900
Contingency (10%)	\$133,000
Subtotal (2018 \$)	\$1,462,900
Inflation to Midpoint of Construction (2)	\$219,400
Construction Cost	\$1,682,300
Construction Cost (Rounded to nearest \$100M)	\$1,700,000
Design Build to include Force Account, CI, Final Design, QC, Site Mobilization (25%)	\$425,000
Award Cost	\$2,125,000
ROW (3)	\$43,000
Total Cost (Rounded to nearest \$100M)	\$2,200,000
Notes:	
1) Based on Viaduct Alternative plans as of August 31, 2018 and construction cost estimates submitted to NYSDOT on September 10, 2018.	
2) Based on 3% annual escalation, start of construction May 1, 2020 and a 6-year construction schedule for the Viaduct Alternative.	
3) ROW cost estimate based on ROW 353C Project Estimates dated September 10, 2018.	

Table A-5.2
Summary of Community Grid Alternative Costs
Thousand Dollars (Calculated Year) ⁽¹⁾

Construction Activities	Community Grid Alternative
Enabling Projects	\$39,664
WZTC	\$77,603
Demolition	\$13,191
Embankment	\$59,719
Tunnel	\$0
Elevated Structures	\$363,681
Retaining Walls and Noise Barriers	\$70,351
On Grade Highways	\$71,448
Local Streets	\$36,884
Lighting, Signage and Traffic Signals	\$133,628
Landscaping	\$124,037
Trunk Drains	\$72,561
Railroad	\$14,431
Contaminated Soil Removal	\$3,000
Wetlands Mitigation	\$1,000
Stormwater/SPDES	\$6,091
Temporary Work	\$17,455
Miscellaneous (10%)	\$110,470
Subtotal (2018 \$)	\$1,215,200
Contingency (10%)	\$121,500
Subtotal (2018 \$)	\$1,336,700
Inflation to Midpoint of Construction (2)	\$180,500
Construction Cost	\$1,517,200
Construction Cost (Rounded to nearest \$100M)	\$1,500,000
Design Build to include Force Account, CI, Final Design, QC, Site Mobilization (25%)	\$375,000
Award Cost	\$1,875,000
ROW (3)	\$5,500
Total Cost (Rounded to nearest \$100M)	\$1,900,000
Notes:	
1) Based on Community Grid plans as of August 31, 2018 and construction cost estimates submitted to NYSDOT on September 10, 2018.	
2) Based on 3% annual escalation, start of construction May 1, 2020 and a 5-year construction schedule for the Community Grid Alternative.	
3) ROW cost estimate based on ROW 353C Project Estimates dated September 10, 2018.	