

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	\$69,656
WZTC	\$71,122
Demolition	\$53,341
Embankment	\$16,629
Tunnel	\$0
Elevated Structures	\$648,388
Retaining Walls and Noise Barriers	\$83,276
On Grade Highways	\$60,815
Local Streets	\$30,118
Lighting, Signage and Traffic Signals	\$139,388
Landscaping	\$74,807
Trunk Drains	\$71,260
Railroad	\$1,156
Contaminated Soil Removal	\$3,153
Wetlands Mitigation	\$0
Stormwater/SPDES	\$14,257
Temporary Work	\$10,225
Miscellaneous (10%)	\$134,763
Subtotal (2021 \$)	\$1,482,354
Contingency (7%)	\$103,768
Subtotal (2021 \$)	\$1,586,122
Inflation to Midpoint of Construction (2)	\$302,300
Construction Cost	\$1,888,422
Local Hiring Initiative	\$28,000
Design Build to include Force Account, CI, Final Design, QC, Site Mobilization	\$449,000
Award Cost (Rounded to \$1M)	\$2,365,000
ROW (3)	\$55,000
TOTAL COST (ROUNDED TO \$1M)	\$2,420,000

Notes:

- 1) Based on Viaduct Alternative plans as of December 2021 and construction cost estimates submitted to NYSDOT in December 2021.
- 2) Based on 3% annual escalation, start of construction Fall 2022 and a 7-year construction schedule for the Viaduct Alternative.
- 3) ROW cost estimate based on ROW 353C Project Estimates dated December 2021.

Table A-5.1
Summary of Community Grid Costs
Thousand Dollars (Calculated Year) ⁽¹⁾

Construction Activities	Community Grid Alternative
Enabling Projects	\$35,400
WZTC	\$62,792
Demolition	\$34,906
Embankment	\$48,626
Tunnel	\$0
Elevated Structures	\$489,536
Retaining Walls and Noise Barriers	\$83,810
On Grade Highways	\$120,270
Local Streets	\$44,692
Lighting, Signage and Traffic Signals	\$147,824
Landscaping	\$139,420
Trunk Drains	\$74,749
Railroad	\$12,668
Contaminated Soil Removal	\$3,000
Wetlands Mitigation	\$1,051
Stormwater/SPDES	\$17,855
Temporary Work	\$14,719
Miscellaneous (10%)	\$133,138
Subtotal (2021 \$)	\$1,464,456
Contingency (7%)	\$102,518
Subtotal (2021 \$)	\$1,566,974
Inflation to Midpoint of Construction (2)	\$241,100
Construction Cost	\$1,808,074
Local Hiring Initiative	\$26,000
Design Build and DBB, Force Account, CI, Final Design, QC, Site Mobilization	\$401,000
Award Cost (Rounded to \$1M)	\$2,235,000
ROW (3)	\$15,000
TOTAL COST (Rounded to \$1M)	\$2,250,000
Notes: 1) Based on Community Grid Alternative plans as of December 2021 and construction cost estimates submitted to NYSDOT in December 2021. 2) Based on 3% annual escalation, start of construction fall of 2022 and a 6-year construction schedule for the Community Grid. 3) ROW cost estimate based on ROW 353C Project Estimates dated December 2021.	