

May 2021

## Appendix A

# Project Priority and Cost Estimates

## Cost Estimates

***Planning Level Cost Estimates are derived from estimated costs provided by other agencies or from other similar projects. Further cost detailing would be required during scoping and design phases to gain a more refined cost estimate.***

*High Priority Project Priority and Cost Estimates*

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Develop Buffalo Logistics Complex	Multimodal	High	\$20.75M	ITGO
Support for Long-Term Transportation Bill	Multimodal	High	Not known at this time	NYSDOT
Promote Region as a “Green” Cross-Border Logistics Hub	Multimodal	High		
ITGO Involvement on NITTEC Cross-Border Committee and WNY REDC	Multimodal	High	NA	NITTEC
Remove Perception that the Border is Difficult to Maneuver	Highway	High	NA	Multiple Agencies
Build Upon Ontario’s Strategic Investment and Procurement Agreement.	Highway	High	In-kind staff costs associated with collaboration efforts	ITGO
Enhance Regional Collaboration of the Freight & Logistics Industry in Regional Economic Development and Promotional Efforts	Multimodal			
Support Regional Economic Development Collaboration and Strategies	Multimodal	High	Unknown at this time	Multiple Agencies

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Use Invest Buffalo-Niagara Study Findings to Guide Regional Economic Development	Multimodal	High	Unknown at this time	Multiple Agencies
Support and Expand ITGO Partnership with PANYNJ	Multimodal	High	Not known at this Time	ITGO
Continue to Advance UPWP Projects that Support Freight Transportation	Multimodal			
Conduct I-290/ Main Street Interchange Area Assessment	Highway	High	\$100K	NYSDOT
Implement Buffalo-Niagara Integrated Corridor Management	Highway	High	Package A: \$4,936,110 Package B: \$5,109,416	NITTEC
Expand Intelligent Transportation Systems (ITS) in the Region	Highway			
Expand Border Crossing Travel Information in the Region	Highway	High	\$3M	NITTEC & NYSDOT
Improve Circulation of Weather and Incident Related Closure Information	Highway	High	V2I sensors, communication, and VMS Boards - \$200K - \$300K for each system.	NITTEC and NYSDOT
Support Skyway Alternatives that	Highway	High	\$600M	NYSDOT

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Accommodate Freight & Logistics Industry				
Improve NY Route 270 Campbell Blvd, N. French Rd to Tonawanda Creek Rd	Highway	High	\$5M	NYSDOT

*Medium-High Project Priority and Cost Estimates*

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Improve Falls Road Railroad Bridge over Erie Canal	Rail	Medium-High	\$1.5M	NYSDOT/ Railroad
Stay Abreast on Transportation Master Plan Update in Niagara Region, Ontario	Multimodal	Medium-High	In-kind staff costs associated with collaboration efforts	GBNRTC
Create a Transportation Improvement Program (TIP) Freight Funding Block	Multimodal	Medium-High	In-kind staff costs associated with collaboration efforts	GBNRTC
Target Development of “Site-Ready” and “Pad- Ready” Sites that Facilitate Freight & Logistics Industry Expansion	Multimodal			
Investigate Expanding Expand “Site-Ready” and “Pad-Ready” Incentives	Multimodal	Medium-High	Unknown at this time	Multiple Agencies
Target Development of Temperature Controlled Warehousing	Multimodal	Medium-High	Unknown at this time	Multiple Agencies

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Enhance Workforce Development and Access for Freight and Logistics Jobs	Multimodal	Medium-High	Unknown at this time	ITGO
Continue to Advance UPWP Projects that Support Freight Transportation	Multimodal			
Undertake the Youngs Road Interchange Analysis	Highway	Medium-High	\$200K	NYSDOT & NYS Thruway Authority
Undertake a I-190/ Niagara Falls Boulevard Interchange Improvement Assessment	Highway	Medium-High	\$150K	NYSDOT
Advance Future UPWP Projects	Multimodal			
Study I-290 Between Millersport Highway and I-90 and I-90/ I-290 Interchange	Highway	Medium-High	\$250K	NYSDOT
Study I-190 from Elm/ Oak to Porter Avenue	Highway	Medium-High	\$200K	NYSDOT
Multi-Agency Enhanced Freight Corridor Study	Highway	Medium-High	\$175K	NYSDOT w/ GBNRTC and GTC
Develop Curbside Management and Autonomous Delivery and Micro-Delivery Policies and Procedures	Highway	Medium-High		Multiple Agencies

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Develop Curbside Management Policies	Highway	Medium-High	\$80K	Multiple Agencies
Expand Intelligent Transportation Systems (ITS) in the Region	Highway			
Support NYSDOT Planning for New York State Platooning Demonstrations	Highway	Medium-High	\$8.4M for Truck Platooning Staging Area (based on construction estimates from an FHWA study in Ohio)	NYSDOT and NYSDOT
Implement Smart & Enhanced Multimodal Corridors (SEMA)	Highway	Medium-High	Unknown at this time	NITTEC and NYSDOT
Expand Real-Time Truck Parking Information	Highway	Medium-High	\$1.75M for 5 sites	NYSDOT and NYS Thruway Authority
Improve Bethlehem Steel Advanced Manufacturing Infrastructure	Highway			
Northern Access	Highway	Medium-High	\$1.5M	ECIDA and NYSDOT
Repair Niagara County Rural Bridges	Highway			
Carmen Road over Golden Hill Creek	Highway	Medium-High	\$1.56M	Niagara County
Johnson Creek Road over Golden Hill Creek	Highway	Medium-High	\$1.37M	Niagara County
Gasport Road over Eighteen Mile Creek	Highway	Medium-High	\$1.4M	Niagara County

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Hartland Road over Golden Hill Creek	Highway	Medium-High	\$1.1M	Niagara County
West Somerset Road over Fish Creek	Highway	Medium-High	Unknown at this time	Unknown at this time
Gasport Road over Eighteen Mile	Highway	Medium-High	Unknown at this time	Unknown at this time
Ewings Road over Eighteen Mile	Highway	Medium-High	Unknown at this time	Unknown at this time
Initiate Long-Term Planning for International Rail Crossings	Rail			
Upgrade International Rail Bridge to State-of-Good-Repair	Rail	Medium-High	Unknown at this time	Multiple Agencies
Safety Improvements to Roadways near Intermodal Yards	Highway			
Improve Safety at the Intersection of Harlem Road and Gruner Road	Highway	Medium-High	\$721K	NYSDOT
Improve Safety at the Intersection of Harlem Road and Broadway Ramp	Highway	Medium-High	\$500K	NYSDOT
Improve Safety at the Intersection of Broadway and CSX Frontier Yard Driveway	Highway	Medium-High	\$75K	NYSDOT

## Medium Project Priority and Cost Estimates

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Improve U.S. 219	Highway	Medium	Unknown at this Time	NYSDOT
Repair or Replace CP Draw Bridge	Rail	Medium	\$300K for Alternatives Study	NYSDOT/ Railroads
Expand Niagara Falls International Airport (NFIA) Air Cargo	Air			
Construct Air Cargo Access Road	Air	Medium	\$1.5M	NFTA
Construct Air Cargo Apron	Air	Medium	\$5M	NFTA
Construct Air Cargo Building	Air	Medium	\$15M	NFTA
Target Development of “Site-Ready” and “Pad-Ready” Sites that Facilitate Freight & Logistics Industry Expansion	Multimodal			
Investigate Repurposing of “Greyfield” Sites for Local Distribution and Fulfillment Center	Multimodal	Medium	Unknown at this time	Multiple Agencies
Develop a Regional GIS Database to Support Freight and Logistics Industry	Multimodal	Medium	\$50K	GBNRTC
Continue to Advance UPWP Projects that Support Freight Transportation	Multimodal			



Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Analyze Access Improvements for I-290 Ramp to I-190	Highway	Medium	\$65K	NYSDOT
Analyze the Ramp Configuration on Westbound I-90 to Northbound I-190	Highway	Medium	\$65K	NYSDOT
Further Analyze I-190 Niagara/ Virginia Street Ramps	Highway	Medium	\$300K	NYSDOT
Develop Alternatives for Twin Cities Highway and River Road	Highway	Medium	\$150K	NYSDOT
Advance Future UPWP Projects	Multimodal			
Study I-90 Between I-290 and I-190	Highway	Medium	\$300K	NYSDOT
Study I-190/ LaSalle Expressway/ Niagara Scenic Parkway/ Buffalo Avenue Interchange Study	Highway	Medium	\$225K	NYSDOT & NYS Thruway Authority
Study I-290 Interchange at Sheridan Drive and Millersport Highway	Highway	Medium	\$65K	NYSDOT
Study Walden Avenue Between I-90 and Union Road	Highway	Medium	\$100K	NYSDOT
Ganson Street Area Plan	Multimodal	Medium	\$75K	GBNRTC & City of Buffalo

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Establish Regional Truck and Delivery Vehicle Electric Charging Stations	Highway	Medium	\$500K ea.	NYSERDA and NYSDOT
Develop Curbside Management and Autonomous Delivery and Micro-Delivery Policies and Procedures	Highway			Multiple Agencies
Create Autonomous Delivery and Micro-Delivery Vehicle Policies	Highway	Medium	\$80K	Multiple Agencies
Expand Intelligent Transportation Systems (ITS) in the Region	Highway			
Develop Pilot Integrated Corridor Management (ICM) Strategies	Highway	Medium	Not known at this time	NITTEC and NYSDOT
Implement Truck Low Bridge Clearance Warning Detection	Highway	Medium	\$350K ea.	NYSDOT
Improve Bethlehem Steel Advanced Manufacturing Infrastructure	Highway			
Improve Southern Access	Highway	Medium	\$2M	ECIDA and NYSDOT
Improve Additional Access	Highway	Medium	\$1.5M	ECIDA and NYSDOT
Improve Route 5/ Ridge Road Interchange	Highway	Medium	\$1.5M	NYSDOT
Repair Niagara County Rural Bridges	Highway			

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Royalton Center over Mud Creek	Highway	Medium	\$500K	Niagara County
Ditch Road over Black Creek	Highway	Medium	\$400K	Niagara County
Upgrade Depew, Lancaster & Western (DL&W) Railroad Line Upgrades	Rail & Multimodal			
Improve Driveway Access to/from the DL&W Transload Facility	Multimodal	Medium	\$150K	ECIDA and Railroad
Extend Engine House Track	Rail	Medium	\$1M	ECIDA and Railroad
Improve the DL&W Interchange with Norfolk Southern	Rail	Medium	\$850K	ECIDA and Railroad
Replace Structurally Deteriorating Bridge	Rail	Medium	\$350K	ECIDA and Railroad
Improve Buffalo Southern Railroad (BSOR) Line 1246 Improvements	Rail			
Improve Bridge MP 13.94 over North Branch Eighteen Mile Creek	Rail	Medium	\$308K	ECIDA and Railroad
Improve Bridge MP 15.85 over South Branch Eighteen Mile Creek	Rail	Medium	\$540.5K	ECIDA and Railroad
Improve Bridge MP 22.25 over Franklin Gulf	Rail	Medium	\$184.75K	ECIDA and Railroad
Improve Bridge 23.97 through Ballast	Rail	Medium	\$86.4K	ECIDA and Railroad

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Improve Bridge 32.44 near Perry Street	Rail	Medium	\$51.5K	ECIDA and Railroad
Improve Bridge 32.90 over Cattaraugus Creek	Rail	Medium	\$148K	ECIDA and Railroad
Upgrade At-Grade Crossing at MP 14.08 at South Creek Road	Rail & Highway	Medium	\$57.5K	ECIDA and Railroad
Upgrade At-Grade Crossing at MP 15.14 at Hickox Road	Rail & Highway	Medium	\$57.5K	ECIDA and Railroad
Upgrade At-Grade Crossing at MP 16.37 at Bley Road	Rail & Highway	Medium	\$57.5K	ECIDA and Railroad
Upgrade At-Grade Crossing at MP 18.87 at Hemlock Road	Rail & Highway	Medium	\$65K	ECIDA and Railroad
Upgrade At-Grade Crossing at MP 22.76 at School Street	Rail & Highway	Medium	\$65K	ECIDA and Railroad
Collaborate with the Port of Buffalo on New Market Business Planning	Maritime	Medium	\$350K	GBNRTC

*Medium-Low Project Priority and Cost Estimates*

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Expand Lehigh Valley Yard Development	Rail/ Intermodal	Medium-Low	Unknown at this Time	NYSDOT

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Expand Intelligent Transportation Systems (ITS) in the Region	Highway			
Create Urban Truck Hub or Mobile Depot	Highway	Medium-Low	\$500K for Urban Tactical Pilot	Multiple Agencies
Construct River Road Roundabout at Riverview Solar Technology Park	Highway	Medium-Low	\$1.3M	NYSDOT
Study Rail Spur to Future Evans Agribusiness Park	Rail	Medium-Low	\$150K	ECIDA and Railroad
Initiate Long-Term Planning for International Rail Crossings	Rail			
Assess Whirlpool Rapids Bridge Improvements	Rail	Medium-Low	Unknown at this time	NFBC

*Low Project Priority and Cost Estimates*

Project	Transportation Mode	Priority	Planning Level Cost Estimate	Lead Project Sponsor
Expand Buffalo-Niagara International Airport (BNIA) Air Cargo Expansion	Air			
Expand Air Cargo Apron	Air	Low	\$5M	NFTA
Expand Air Cargo Building	Air	Low	\$25.5M	NFTA
Widen Transit Road Between Walden Avenue and Gould Avenue	Highway	Low	\$60M	NYSDOT