

APPENDIX L

Construction Cost Estimate

ROAD NAME:	Guelph Line (Reg. Rd. 1)	Imp. Type: Preferred Alternative-Rural & Urban
From:	1km north of Derry Road	To: Conservation Road (Steeles Avenue)
Road Length (m):	2420	ROW Width (m):
Number of Lanes:	2	Lane Width (m):
Flush Median Width (m):		Raised Median Width (m):
CROSS-SECTION FOR LEFT SIDE:		CROSS-SECTION FOR RIGHT SIDE:
Cross-Section (Rural/Urban):	Rural	Cross-Section (Rural/Urban): Ru
Paved Road Width (m):	3.65	Paved Road Width (m): 3.
Paved Shoulder Width (m):	1.0	Paved Shoulder Width (m):
Granular Shoulder Width (m):	1.5	Granular Shoulder Width (m):
Sidewalk Width (m):	0	Sidewalk Width (m):
Bike Path Width (m):	0	Bike Path Width (m):

Street Lighting (Y/N): Street Lighting (Y/N): 1190 Unit Quantity Price (Sta. 1+000 to 2+230) (Sta. 2+230 to 3+420) ROADWORKS & DRAINAGE \$10,660.00 Clearing and Grubbing Remove Ex. Asphalt (Full Depth) 4000 \$27,716.0 3 Remove Ex. Asphalt (Partial Depth) \$5.86 \$39,975.0 4 Earth Excavation 2500 \$15.99 \$39,975.0 arth Borrow \$8.5 Granular A (150 mm depth) 3993.00 \$47.595.8 tonnes \$23.45 \$46,048.0 Granular B (600 mm depth)
Granular A below Asphalt Splash Pad (150 mm depth) \$20.25 \$15.99 \$95.94 \$86.35 \$53.30 2475.66 2129.6 \$237,514.8 \$183,882.4 \$116,794.4 \$90,421.5 9 Surface Course Asphalt (50 mm depth) tonnes 10 Base Course Asphalt (100 mm depth)
11 Asphalt Splash Pad (0.5 m width, 50 mm depth) tonnes 12 Concrete Curb and Gutter (All types)
13 Sod c/w 100 mm Topsoil
14 Seeding c/w 100 mm Topsoil \$117,260,0 \$76 704 0 2178 \$6.9 \$74,209.5 \$5.33 \$103.188.8 \$52,447,2 \$50.741.6 15 Single Steel Beam Guide Rail \$106.60 5,330.00 \$58,630.0 \$31,980.0 550 nd Treatment for Steel Beam Guide Rail 17 300 mm Storm Sewer Laterals 18 375 - 600 mm Storm Sewer 19 675 - 900 mm Storm Sewer \$266.50 \$399.75 \$373.10 \$19,454,5 91 20 975 -1200 mm Storm Sewer \$533.0 \$55,432. \$68,224. \$6,396. \$55,432.0 \$68,224.0 \$6,396.0 2000 \$27.7 Catchbasins 24 Storm Maintenance Holes/MHCBs \$65,132.6 \$5.010.2 300 mm CSP Culvert 375 - 600 mm CSP Culvert 675 - 1200 mm CSP Culvert \$11,939.2 \$5,969.60 \$533.00 \$2,132.00 63,960.00 28 1350 - 1800 mm CSP Culvert Precast Concrete Box Culver
Dil/Grit Separator Stormwater Outfall Structure (Headwall) \$31,9 \$31,980.0 15,990.0 Storm Water Management Pond Upgrade/Modify Intersections (incl. turn lanes \$319,800. 34 Additonal turn lanes 35 Entrance Modifications/Regrading \$26,650.0 \$53.30 \$26,650.0 \$26,650.0 (Assumed 3% of structure cost \$206.246 \$104,827.5 \$101,418.5 (10% of major roadworks items) (incl. clearing & grubbing, ditching, topsoil stripping, minor earth borrow breaking into ex. pipe/structure, pavement markings, signage, proof rolling, tack coat, silt fence, tree protect \$771,876.1 \$1,496,830.48 Reconstruction Costs (incl. sawcutting, pulverizing, asphalt removal, MH/CB/WV/VCH adjustments, culvert removal, CB removal, curb emoval, traffic control, etc.) \$2,353,783.1 \$815,117.49 \$1,538,665.62 Subtotal Roadworks & Drainage STRUCTURES tructure Removal/Demolition Grade Separation Overpass (road over rail) \$3,411,20 rade Separation Underpass (road under rail 42 Grade Separation Retaining Walls \$1,279,20 \$2,665,000.00 44 Bridge over Watercourse Crossing 45 Bridge over other road \$3,411,20 46 Bridge Retaining Walls Subtotal Structures \$0.00 LANDSCAPING/MITIGATION \$533.00 \$0.0 47 Deciduous Trees (30 m spacing) ea. 48 Mitigation and Compensation for Watercourse Crossings \$1,066.00 Subtotal Landscaping/Mitigation ELECTRICAL \$27,090.5 \$26,209.5 49 Traffic Signalization (per intersection) ea. \$213,200.00 50 Modifications to Ex. Traffic Signalization (per intersection)
51 Street Lighting (per pole)
Subtoal Electrical
E UTILITIES & SERVICES \$127,920.00 \$0.0 \$0.0 \$24,586.7 \$24,586.7 53 Hydro \$50,000.00 \$25,413.2 54 Gas \$50,000.0 \$25,413.2 \$24,586.7 55 Cable 56 Oil Pipelines 57 Hydro One Subtotal Utilities
SUBTOTAL ALL ITEMS (1) \$200,416.67 \$101,864.6 \$98,552.00 SUBTOTAL (2) \$3,378,059,9 \$1,132,887,1 \$2,245,172,79 15.0% \$506,709.0 \$3,884,768.9 15% Engineering
SUBTOTAL ALL ITEMS \$1,302,820.20 \$2,581,948.7 PROPERTY \$473,740.3 60 Storm Water Management Ponds \$639,601.0 61 Flood Plain Lands 62 Rural Lands \$473,740.3 \$573,506.3 \$99,766.01 Subtotal Property TOTAL ESTIMATED PROJECT COST (excl. GST \$4,458,275,3 \$1.776.560.6 \$2.681.714.71 LOCAL MUNICIPALITY ITEMS 63 Asphalt Path 64 Concrete Sidewalk \$56.50 \$63.96 \$0.0 TOTAL ESTIMATED LOCAL MUNICIPALITY ITEMS (excl. GST \$0.00 \$0.00 \$2.681.714.7 Rounded Estimate \$4,500,000 \$1,800,000 \$2,700,000