

Appendix H

Construction Cost Estimate

TABLE 1 - PRELIMINARY CONSTRUCTION COST ESTIMATE
Hamilton Road and Gore Road Intersection
Intersection Improvements EA
Project No. 48214-100

February 7, 2024



Item No.	Description	Unit	Unit Price	Estimated Quantity	Total Cost
A1 - Site Preparation & Removals					
A1.1	Bonding, Insurance, Etc.	lump sum	\$72,226.94	1	\$72,226.94
A1.2	Mobilization/Demobilization	lump sum	\$50,000.00	1	\$50,000.00
A1.3	Pre-condition Survey	lump sum	\$10,000.00	1	\$10,000.00
A1.4	Site Office	lump sum	\$25,000.00	1	\$25,000.00
A1.5	Traffic control	lump sum	\$100,000.00	1	\$100,000.00
A1.6	Construction layout	lump sum	\$20,000.00	1	\$20,000.00
A1.7	Remove & dispose of existing asphalt	m ²	\$8.00	4900	\$39,200.00
A1.8	Remove & dispose of existing sidewalk	m ²	\$16.00	130	\$2,080.00
A1.9	Remove & dispose of existing curb & gutter	m	\$8.00	225	\$1,800.00
A1.10	Remove & dispose of existing storm sewers				
A1.11	Pipes & leads	m	\$50.00	1125	\$56,250.00
A1.12	Manholes and catchbasins	each	\$750.00	10	\$7,500.00
A1.13	Tree removals, protection, maintain & relocate as required	lump sum	\$15,000.00	1	\$15,000.00
A1.14	Miscellaneous removals (pillars, signs etc.)	lump sum	\$50,000.00	1	\$50,000.00
Subtotal Section A1 - Site Preparation & Removals					\$449,056.94
A2 - Road Works					
A2.1	Excavate to subgrade	m3	\$30.00	7000	\$210,000.00
A2.2	Roadway Paving			10,500	
A2.2.1	Granular 'B' (450mm)	tonnes	\$23.00	11,813	\$271,687.50
A2.2.2	Granular 'A' (150mm)	tonnes	\$27.00	3,938	\$106,312.50
A2.2.3	HL8 binder asphalt for road construction	tonnes	\$120.00	2,625	\$315,000.00
A2.2.4	HL3 surface asphalt for road restoration	tonnes	\$180.00	1,313	\$236,250.00
A2.3	Concrete Curb & Gutter (OPSD 600.040)	m	\$70.00	1,500	\$105,000.00
A2.4	Asphalt Multi-Use Trail	m ²	\$70.00	675	\$47,250.00
A2.5	Concrete sidewalk and island infill	m ²	\$72.00	525	\$37,800.00
A2.6	Stamped coloured concrete infill	m ²	\$90.00	180	\$16,200.00
A2.7	Boulevard restoration - topsoil & sod	m ³	\$47.00	1,300	\$61,100.00
A2.8	Guardrails	lump sum	\$50,000.00	1	\$50,000.00
A2.9	Truncated Dome Plates	each	\$250.00	48	\$12,000.00
Subtotal Section A2 - Road Works					\$1,468,600.00
A3 - Storm Sewers					
A3.1	New Storm Sewer	m	\$500.00	420	\$210,000.00
A3.2	Maintenance holes	ea	\$6,500.00	9	\$58,500.00
A3.3	Catch basins with leads	ea	\$6,000.00	6	\$36,000.00
A3.4	Miscellaneous storm connections and adjustments	lump sum	\$65,000.00	1	\$65,000.00
A3.5	OGS Unit	lump sum	\$125,000.00	1	\$125,000.00
A3.6	Sewer Main Testing	m	\$15.00	420	\$6,300.00
Subtotal Section A3 - Storm Sewers					\$500,800.00
A4 - Sanitary Sewers					
A4.1	New Sewer Main (200mm diameter)	m	\$480.00	610	\$292,800.00
A4.2	Sanitary Manholes	ea	\$9,000.00	10	\$90,000.00
A4.3	Sanitary services (open cut)	ea	\$4,000.00	13	\$52,000.00
A4.4	Connection to Existing Structures	ea	\$4,000.00	3	\$12,000.00
A4.5	Sewer Main Testing	m	\$15.00	610	\$9,150.00
Subtotal Section A4 - Sanitary Sewers					\$455,950.00
A5 - Watermain					
A5.1	New Watermain - Assume 300mm Dia.	m	\$550.00	610	\$335,500.00
A5.2	Supply and Install Hydrants and Leads	ea	\$11,000.00	4	\$44,000.00
A5.3	Supply and Install water services	ea	\$3,500.00	13	\$45,500.00
A5.4	Watermain Testing, temporary water, etc	lump sum	\$60,000.00	1	\$60,000.00
Subtotal Section A5 - Watermain					\$485,000.00
A6 - Miscellaneous/Provisional Items - Design					
A6.1	Linepainting Allowance	lump sum	\$105,000.00	1	\$105,000.00
A6.2	Allowance for contaminated material remediation	lump sum	\$150,000.00	1	\$150,000.00
A6.3	Utility Relocation	lump sum	\$270,000.00	1	\$270,000.00
A6.4	Streetlighting and Traffic Signal Allowance	lump sum	\$400,000.00	1	\$400,000.00
A6.5	15% Miscellaneous	lump sum	\$503,911.04	1	\$503,911.04
A6.6	Property Acquisition	lump sum	\$1,700,000.00	1	\$1,700,000.00
A6.7	Acquisition of Infrastructure Ontario Lands	lump sum	\$300,000.00	1	\$300,000.00
A6.8	Contingency (20%)	lump sum	\$957,663.60	1	\$957,663.60
A6.9	Engineering (20%)	lump sum	\$957,663.60	1	\$957,663.60
Subtotal Section A6 - Miscellaneous/Provisional Items					\$5,344,238.23
Total Estimated Construction Cost					\$8,703,645.17