

APPENDIX O

Preliminary Construction Cost Estimate

Project:	Stevenson Rd N EA
Client:	City of Oshawa
Firm Project No.	072533
Client Project No.	C2021-121
Last Updated	2025-03-06



Preliminary Cost Estimate - Stevenson Road North Full Road Reconstruction and New Municipal Utilities

Item No.	Category	Item Description	Quantity	Unit	Unit Cost	Total Cost
1	Roadway Works	Removal and Relocation, Mailboxes	1	LS	\$ 2,000.00	\$ 2,000.00
2	Roadway Works	Removal and Disposal, Concrete Sidewalk	152	m2	\$ 40.00	\$ 6,062.00
3	Roadway Works	Removal and Disposal, Curb and Gutter	152	m	\$ 27.00	\$ 4,096.00
4	Roadway Works	Removal and Disposal, Asphalt Pavement	2,498	m3	\$ 15.00	\$ 37,476.00
5	Roadway Works	Earth Excavation	21,966	m3	\$ 25.00	\$ 549,141.00
6	Roadway Works	Earth Fill	6,282	m3	\$ 25.00	\$ 157,050.00
7	Roadway Works	Pavement Markings	3,240	m	\$ 10.00	\$ 32,400.00
8	Roadway Works	Tactile Plates	8	ea	\$ 650.00	\$ 5,200.00
9	Roadway Works	Subdrain	4,051	m	\$ 65.00	\$ 263,336.00
10	Roadway Works	Concrete Sidewalk	337	m2	\$ 85.00	\$ 28,685.00
11	Roadway Works	Curb and Gutter	4,051	m	\$ 125.00	\$ 506,415.00
12	Roadway Works	Multi-Use Path	5,850	m2	\$ 120.00	\$ 702,000.00
13	Roadway Works	Steel Beam Guiderail	266	m	\$ 500.00	\$ 132,980.00
14	Roadway Works	Steel Beam Guiderail Energy Attenuating Terminal	3	ea	\$ 10,000.00	\$ 30,000.00
15	Roadway Works	50mm Surface Course	2,049	t	\$ 210.00	\$ 430,220.00
16	Roadway Works	80mm Binder Course	3,278	t	\$ 172.00	\$ 563,793.00
17	Roadway Works	150mm Granular 'A'	5,496	t	\$ 39.00	\$ 214,361.00
18	Roadway Works	920mm Granular 'B'	30,647	t	\$ 31.00	\$ 950,047.00
19	Roadway Works	Tack Coat	16,656	m2	\$ 3.00	\$ 49,968.00
20	SWM & Drainage	Removal and Relocation, Driveway Culvert	27	ea	\$ 300.00	\$ 8,100.00
21	SWM & Drainage	Removal and Disposal, Pipes and Culverts	4	ea	\$ 150.00	\$ 600.00
22	SWM & Drainage	Crossing Culvert Extension/Modification	10	m	\$ 1,000.00	\$ 10,000.00
23	SWM & Drainage	Removal and Relocation, Catchbasin and Leads	3	ea	\$ 2,000.00	\$ 6,000.00
24	SWM & Drainage	Catch Basin	64	ea	\$ 3,500.00	\$ 224,000.00
25	SWM & Drainage	Double Catch Basin	2	ea	\$ 5,000.00	\$ 10,000.00
26	SWM & Drainage	Storm Sewer Maintenance Hole	1	ea	\$ 10,000.00	\$ 10,000.00
27	SWM & Drainage	Catch Basin Maintenance Hole	5	ea	\$ 8,500.00	\$ 42,500.00
28	SWM & Drainage	Double Catch Basin Maintenance Hole	1	ea	\$ 9,500.00	\$ 9,500.00
29	SWM & Drainage	Ditch Inlet Catch Basin	3	ea	\$ 5,000.00	\$ 15,000.00
30	SWM & Drainage	Oil-Grit Separator (OGS) Unit	1	ea	\$ 100,000.00	\$ 100,000.00
31	SWM & Drainage	250mm Storm Sewer and Catch Basin Leads	435	m	\$ 450.00	\$ 195,683.00
32	SWM & Drainage	300mm Storm Sewer	148	m	\$ 550.00	\$ 81,620.00
33	SWM & Drainage	350mm Storm Sewer	42	m	\$ 575.00	\$ 24,380.00
34	SWM & Drainage	375mm Storm Sewer	204	m	\$ 600.00	\$ 122,460.00
35	SWM & Drainage	450mm Storm Sewer	346	m	\$ 650.00	\$ 224,770.00
36	SWM & Drainage	525mm Storm Sewer	174	m	\$ 700.00	\$ 121,730.00
37	SWM & Drainage	600mm Storm Sewer	196	m	\$ 750.00	\$ 147,300.00
38	SWM & Drainage	675mm Storm Sewer	8	m	\$ 800.00	\$ 6,240.00
39	SWM & Drainage	750mm Storm Sewer	417	m	\$ 850.00	\$ 354,535.00
40	SWM & Drainage	825mm Storm Sewer	9	m	\$ 900.00	\$ 7,740.00
41	SWM & Drainage	3000mm Storm Sewer	175	m	\$ 3,000.00	\$ 525,000.00
42	Municipal Utilities	Watermain	1,700	m	\$ 1,800.00	\$ 3,060,000.00
43	Municipal Utilities	Mainline Valve Box	3	ea	\$ 6,500.00	\$ 19,500.00
44	Municipal Utilities	Hydrant Set	26	ea	\$ 15,000.00	\$ 390,000.00
45	Municipal Utilities	Watermain Service Connections (To City ROW Limits)	350	m	\$ 1,000.00	\$ 350,000.00
46	Municipal Utilities	Watermain Service Connection Appurtenance Set	35	ea	\$ 4,000.00	\$ 140,000.00
47	Municipal Utilities	Sanitary Sewer	1,735	m	\$ 4,300.00	\$ 7,460,500.00
48	Municipal Utilities	Sanitary Sewer Maintenance Hole	15	ea	\$ 30,000.00	\$ 450,000.00
49	Municipal Utilities	Sanitary Service Connections (To City ROW Limits)	350	m	\$ 1,000.00	\$ 350,000.00
50	Miscellaneous	Allowance, Miscellaneous Items (15%)	1	LS		\$ 2,869,859.00
51	Electrical	Removal and Relocation, Traffic Signal Pole and Equipment	6	ea	\$ 7,500.00	\$ 45,000.00
52	Electrical	Removal and Relocation, Traffic Signal Handwells and Wirings	1	LS	\$ 10,000.00	\$ 10,000.00
53	Electrical	Modification, Existing Power Supply	1	LS	\$ 1,000.00	\$ 1,000.00
54	Electrical	Streetlighting Luminaire and Arm	38	ea	\$ 1,250.00	\$ 47,500.00
55	Electrical	Low Voltage Aerial Cables and Ground Cables	1	LS	\$ 120,000.00	\$ 120,000.00
56	Electrical	Power Supply Cabinet with Grounding	4	ea	\$ 5,000.00	\$ 20,000.00
57	Electrical	Grounding Rods	1	LS	\$ 5,000.00	\$ 5,000.00
58	Electrical	Hydro Connection Charges	1	LS	\$ 2,500.00	\$ 2,500.00
59	Landscape	Allowance, Tree Protection, Hydroseeding, Tree Removals, Tree and Shrub Planting	1	LS	\$ 50,000.00	\$ 50,000.00
Construction Cost Estimate						\$ 22,303,247.00
Additional Contingency / Cost Escalation (30%)						\$ 6,690,975.00
Subtotal 1						\$ 28,994,222.00
60	Other Utilities	Relocation, Utility Pole (Incl. Aerial Cable, Guying Anchor(s), Equipment)	32	ea	\$ 15,000.00	\$ 480,000.00
61	Other Utilities	Relocation, Bell Pedestals and Cables (Aerial and/or Buried)	1	LS	\$ 300,000.00	\$ 300,000.00
62	Other Utilities	Relocation, 100mm Gas Main	2,000	m	\$ 5,000.00	\$ 10,000,000.00
Subtotal 2						\$ 10,780,000.00
Subtotal 3 (Subtotal 1+ Subtotal 2)						\$ 39,774,222.00
HST (13%)						\$ 5,170,649.00
Total						\$ 44,944,871.00