

Broadview Avenue Extension (Underpass)  
Municipal Class Environmental Assessment

Preliminary Cost Estimate

Road:	Broadview Avenue (Underpass)	Assumptions:	
From:		Pavement Structure:	Asphalt Cycle Path Structure
To:		HL-1	40 mm
Length:	72.5 m	HL-8	50 mm
Width:	43 m	Concrete	250 mm
		Granular A	150 mm
			50mm Crushed Aggregate
			200 mm

Description	Units	Quantity	Unit Price	Cost
Full depth asphalt pavement / concrete road base removal	m2	0.00	\$40.80	\$0.00
Earthworks Removal and Disposal	m3	6240	\$120.00	\$748,800.00
Removal of concrete curb and gutter	m	0.00	\$34.00	\$0.00
Removal of concrete median and traffic island to road base full depth	m2	0	\$47.60	\$0.00
Removal of planter and street trees	each	4	\$680.00	\$2,720.00
Removal of light poles	each	2	\$1,360.00	\$2,720.00
Removal of Existing Traffic Signals	each	0	\$54,400.00	\$0.00
HL-1	t	50	\$183.60	\$9,180.00
HL-8	t	60	\$142.80	\$8,568.00
Concrete base	t	110	\$170.00	\$18,700.00
Granular A	t	6190	\$34.00	\$210,460.00
Tack coat	m2	440	\$1.36	\$598.40
HL-8 for Cycle Path	t	70	\$142.80	\$9,996.00
Granular A for Cycle Path	t	110	\$34.00	\$3,740.00
50mm Crushed Aggregate for Cycle Path	t	60	\$34.00	\$2,040.00
Concrete Curb and Gutter	m	290	\$122.40	\$35,496.00
Subdrain	m	290	\$47.60	\$13,804.00
Cast-in-place Concrete Sidewalk w/ Paver Band	m2	0	\$163.20	\$0.00
Unit Paving for Layby	m2	0	\$680.00	\$0.00
Unit Paving for Boulevard	m2	600	\$680.00	\$408,000.00
Concrete Median	m2	640	\$238.00	\$152,320.00
Parapet walls including Foundation	m	72.5	\$1,500.00	\$108,750.00
Trunk Storm Sewer	m	80	\$2,040.00	\$163,200.00
Super Catchbasins	each	2	\$20,000.00	\$40,000.00
Catchbasin Manholes	each	1	\$24,480.00	\$24,480.00
250mm Catchbasin Leads	m	90	\$816.00	\$73,440.00
Bioswale	m	0	\$479.33	\$0.00
Soil Cells on boulevard	m2	0	\$612.00	\$0.00
Supply and install new benches	each	0	\$680.00	\$0.00
Supply and install garbage receptacles	each	0	\$680.00	\$0.00
Relocate Bike Rack	each	0	\$122.40	\$0.00
Install Bike Rack	each	0	\$231.20	\$0.00
Install TTC Shelter	each	2	\$6,800.00	\$13,600.00
Construct TTC shelter concrete base	m2	420	\$238.00	\$99,960.00
Tactile buffer	m	145	\$652.80	\$94,656.00
Tactile Surface	m	0	\$652.80	\$0.00
Adjust MH, Valve Chamber, Electrical Handwell	each	0	\$1,326.00	\$0.00
Adjust CB	each	0	\$6,800.00	\$0.00
Adjust water valves to final grade	each	0	\$292.40	\$0.00
Relocate existing fire hydrant	each	0	\$10,880.00	\$0.00
Adjust existing fire hydrant	each	0	\$2,040.00	\$0.00
Watermain	m	80	\$1,000.00	\$80,000.00
Adjust existing sanitary valves and manhole	each	0	\$1,326.00	\$0.00
Pavement markings - white or yellow solid of skip - 10 cm	m	290	\$13.60	\$3,944.00
50mm Stop Bar	m	0	\$68.00	\$0.00
Pavement markings - Arrows	each	0	\$673.20	\$0.00
Streetprint including 10cm crosswalk lines	m	0	\$272.00	\$0.00
Green Paint for Cycle Path	m2	290.2	\$204.00	\$59,200.80
Arrows for Cycle Path	each	4	\$68.00	\$272.00
10cm white 1-1-1 for cycle path	m	0	\$13.60	\$0.00
Illumination	each	5	\$19,040.00	\$95,200.00
New Traffic Signals	each	0	\$350,000.00	\$0.00
Temporary Traffic Signals	each	0	\$75,000.00	\$0.00
Streetcar Tracks	m	0	TBD	
Sub-total Major Items				\$2,483,845.20
Minor Items (25% of Major Items)	LS	0		\$620,961.30
Utility Relocations (No Utility Relocations Required)	LS	0		
Sub-total				\$3,104,806.50
Contingency (30% of Sub-total)	LS	0		\$931,441.95
Engineering (15% of Sub-total)	LS	0		\$465,720.98
TOTAL				\$4,501,969.43