

Town of Innisfil - Active Transportation Facilities							
25th Sideroad							
Preliminary Construction Cost Estimate(Sep 2022) - Full Corridor							
	Item	Description	Unit	Quantity	Unit Cost	Total	Comments
General	Part A - General						
	1.01	Construction Layout	L.S.	1	\$ 863,364.80	\$ 863,364.80	Assumes 5% of Section B-F
	1.02	Tree Removals	ea	175	\$ 200.00	\$ 35,000.00	As per Arborist Report
	1.03	Maintenance of Traffic	L.S.	1	\$ 2,435,460.00	\$ 2,435,460.00	Assumes 10% of Section B-F
	1.04	Supply, Install and Maintain Silt Fence for Erosion and Sediment Control	m	13800	\$ 25.00	\$ 345,000.00	For length of boulevard works. Assumes 1 side completed at a time.(assumed full length divided into 3 phases)
	1.05	Supply, Install and Maintain Tree Protection Fence	m	13800	\$ 20.00	\$ 276,000.00	For length of boulevard works. Assumes 1 side completed at a time.(assumed full length divided into 3 phases)
Subtotal (Part A - General excluding contingency)						\$ 3,954,824.80	3554825.4
						30% contingency (Part A)	\$ 1,186,447.44
						SubTotal (Part A - General)	\$ 5,141,272.24
Road and Boulevard Works	Part B - Road and Boulevard Works						
	2.01	Remove and Dispose of Existing Concrete Curb and Gutter (All Types)	m	690	\$ 18.00	\$ 12,420.00	
	2.02	Remove and Dispose of Existing Concrete Sidewalk	m2	2860	\$ 18.00	\$ 51,480.00	adjusted for Roundabout quantities
	2.03	Clearing and Grubbing	m2	30800	\$ 3.50	\$ 107,800.00	Full width of grass boulevard, adjusted for Roundabout
	2.04	Remove Existing Asphalt Pavement (Partial Depth) 50mm thickness	m2	54000	\$ 6.00	\$ 324,000.00	adjusted for Roundabout quantities
	2.05	HL-8 (50mm) Binder Course Asphalt - for Roadway	m2	64800	\$ 14.00	\$ 907,200.00	Assumes same structure for driveways for preliminary costing purposes
	2.06	HL-3 (50mm) Surface Course Asphalt - for Roadway	m2	64800	\$ 20.00	\$ 1,296,000.00	adjusted for Roundabout quantities
	2.07	HL-8 (50mm) Binder Course Asphalt - for MUP and Cycle track	m2	27300	\$ 14.00	\$ 382,200.00	adjusted for Roundabout quantities
	2.08	HL-3 (50mm) Surface Course Asphalt - for MUP and Cycle track	m2	27300	\$ 20.00	\$ 546,000.00	adjusted for Roundabout quantities
	2.09	Granular 'A' - Roadway	t	2120	\$ 25.00	\$ 53,000.00	Assumes 200mm Granular A.
	2.10	Granular 'A' - MUP	t	13500	\$ 25.00	\$ 337,500.00	Assumes 200mm Granular A.
	2.11	Supply, Place and Compact 50mm Crusher Run Limestone for Cycle Facility or MUP base	t	3500	\$ 56.00	\$ 196,000.00	
	2.12	Construct 150 mm Thick Concrete Sidewalk	m2	18550	\$ 90.00	\$ 1,669,500.00	
	2.13	Construct 125mm Thick Coloured Concrete Buffer	m2	13450	\$ 105.00	\$ 1,412,250.00	Between MUP and BOC when width is below 1.0m. Typically 0.6m wide
	2.14	Supply and Install Tactile Walking Surface Indicators	ea	60	\$ 350.00	\$ 21,000.00	
	2.15	150mm imported Topsoil and Sod	m2	28850	\$ 20.00	\$ 577,000.00	
	2.16	Concrete Curb and Gutter (all type)	m	14990	\$ 120.00	\$ 1,798,800.00	
	2.17	Permanent Durable Pavement Markings-10cm yellow line	m	9480	\$ 6.00	\$ 56,880.00	
	2.18	Permanent Durable Pavement Markings - 60cm Stop Lines and for Zebra crossing	m	780	\$ 36.00	\$ 28,080.00	
	2.19	Permanent Durable Pavement Markings - Turning Arrows	ea	20	\$ 55.00	\$ 1,100.00	
	2.20	Permanent Durable Pavement Markings - Elephant's feet (20cm x 20 cm)	m	820	\$ 24.00	\$ 19,680.00	
	2.21	Permanent Durable Pavement Markings - Shark teeth (30cm x 45 cm)	ea	12	\$ 35.00	\$ 420.00	
	2.22	Pavement markings - Green Thermoplastic cycle crossing	m	410	\$ 200.00	\$ 82,000.00	
	2.23	Pavement markings - Pedestrian Symbol, Bicycle Symbol, and Arrow	ea	8	\$ 165.00	\$ 1,320.00	
	2.24	Pavement markings - Diamond, Bicycle Symbol, and Arrow	ea	53	\$ 165.00	\$ 8,745.00	
	2.25	Pavement markings - Bicycle Symbol and Arrow	ea	32	\$ 110.00	\$ 3,520.00	
	2.26	Pavement markings - Raised crossing	ea	16	\$ 55.00	\$ 880.00	
	2.27	Permanent Roadway Signage	ea	138	\$ 265.00	\$ 36,517.00	Assumes 20 signs per/km per direction.
	2.28	Construct Raised Traffic Island Concrete Surface	m2	150	\$ 120.00	\$ 18,000.00	
	2.29	Construct Raised Traffic Island Curb and Gutter as per OPSD 600.040	m	200	\$ 100.00	\$ 20,000.00	
2.30	Gravel Shoulder	m2	2180	\$ 10.00	\$ 21,800.00	Assumed \$10.00 / m2	
SubTotal (Part B - Road and Boulevard Works excluding contingency)						\$ 9,991,092.00	9992302
						30% contingency (Part B)	\$ 2,997,327.60
						\$ 12,988,419.60	
Storm	Part C - Storm						
	3.01	Remove Catch Basin including shortening of the leads (if required) and dispose of site	ea	10	\$ 2,500.00	\$ 25,000.00	
	3.02	600mm x 600mm Precast Concrete Single Catch Basin	ea	48	\$ 5,000.00	\$ 240,000.00	At Bay Street
	3.03	600mm x 1200mm Precast Concrete Double Catch Basin	ea	24	\$ 7,500.00	\$ 180,000.00	
	3.04	Culvert removals including all bedding and riprap	m	1666	\$ 200.00	\$ 333,200.00	
	3.05	Proposed culvert (500mm) including all bedding and riprap	m	1247	\$ 2,500.00	\$ 3,117,500.00	
3.06	Infiltration chambers	m	2000	\$ 250.00	\$ 500,000.00		
SubTotal (Part C - Storm excluding contingency)						\$ 4,395,700.00	5979700
						30% contingency (Part C)	\$ 1,318,710.00
						\$ 5,714,410.00	
Bioswale	Part D - Bioswale						
	4.01	Bioswale - includes mulch, engineering soils, gravel, underdrain pipe, Geotextile, perforated pipe, monitoring well, overflow pipe.	LS	1	\$ 675,000.00	\$ 675,000.00	Conservative costing per km
4.02	Protection for utility works	LS	1	\$ 84,375.00	\$ 84,375.00	Assumes 10-15% bioswale cost	

SubTotal (Part D - Bioswale excluding contingency)					\$ 759,375.00	759375
					30% contingency (Part D)	\$ 227,812.50
						\$ 987,187.50
Electrical	Part E - Electrical					
	5.01	Full re-build for the signalized intersections (TP/TCP/Traffic controller)	per intersection	2	\$ 150,000.00	\$ 300,000.00
	5.02	Street Lighting	LS	1	\$ 2,268,000.00	\$ 2,268,000.00
SubTotal (Part E - Electrical excluding contingency)						\$ 2,568,000.00
					30% contingency (Part E)	\$ 770,400.00
						\$ 3,338,400.00
Part F - Utility Impact						
	6.01	Remove & Relocate LS	ea	2	\$ 5,000.00	\$ 10,000.00
	6.02	Remove & install new DI	ea	5	\$ 10,000.00	\$ 50,000.00
	6.03	Adjust Bell Mouth Manhole	ea	7	\$ 10,000.00	\$ 70,000.00
	6.04	Relocate Bell Pedestal	ea	44	\$ 5,000.00	\$ 220,000.00
	6.05	Relocate HBOX	ea	1	\$ 20,000.00	\$ 20,000.00
	6.06	Relocate Communication Box (COMM)	ea	1	\$ 20,000.00	\$ 20,000.00
	6.07	Remove and install new Fire hydrant	ea	51	\$ 2,500.00	\$ 127,500.00
	6.08	Relocate Hydro Poles	ea	132	\$ 15,000.00	\$ 1,980,000.00
SubTotal (Part F - Utility Impact excluding contingency)						\$ 2,497,500.00
					30% contingency (Part F)	\$ 749,250.00
						\$ 3,246,750.00
Roundabout Cost (excluding property intake)						\$ 798,295.00
SubTotal						\$ 32,214,734.34
Detailed Engineering Design (5%)						\$ 1,610,736.72
Construction Administration and Inspection (10%)						\$ 3,221,473.43
Total Cost						\$ 37,046,944.49

Phases Summary

Phase	Year	Limits	Distance (m)	Coordination	Context 1 - Low Density Residential	Context 2 - Green and Rural	Context 3 - Downtown Commercial	Cost	Cost -30%	Cost + 30%
1	2024	Big Bay Point to Mapleview Dr	1419	Big Bay Point Roundabout: 2024		1419		\$ 3,778,509.35	\$ 2,644,956.54	\$ 4,912,062.15
2	2025	Mapleview Dr to north of Lockhart Road	1125	Planned mixed-use development SE of Mapleview and 25th: timing unknown	815		310	\$ 6,796,831.56	\$ 4,757,782.09	\$ 8,835,881.03
2	2025	North of Lockhart Road to 10th Line	1630	sanitary sewer upgrade: anticipated 2024/25; future Innis Village servicing and Lockhart intersection improvements: 2024/25	690		940	\$ 10,279,598.99	\$ 7,195,719.29	\$ 13,363,478.69
								\$ 17,076,430.55	\$ 11,953,501.39	\$ 22,199,359.72
3	2027	10th Line to south of James St including 9th Line roundabout	1400		1400			\$ 8,118,950.33	\$ 5,683,265.23	\$ 10,554,635.43
4	2029	South of James St to Innisfil Beach Road	1380	watermain upgrade: before 2031	1310		70	\$ 8,064,537.11	\$ 5,645,175.98	\$ 10,483,898.24
			6954		4215	1419	1320	6954 \$ 37,038,427.34	\$ 25,926,899.14	\$ 48,149,955.54

Segment	Cost	Cost per m
Context 1	\$ 24,443,839.74	\$ 5,799.25
Context 2	\$ 3,778,509.35	\$ 2,662.80
Context 3	\$ 8,816,078.25	\$ 6,678.85
Total	\$ 37,038,427.34	

Town of Innisfil - Active Transportation Facilities							
25th Sideroad							
Preliminary Construction Cost Estimate(Sep 2022) - Context 1 (Low Density Residential)							
Item	Description	Unit	Quantity	Unit Cost	Total	Comments	
General	Part A - General						
	1.01	Construction Layout	L.S.	1	\$ 488,364.80	\$ 488,364.80	Assumes 5% of Section B-D
	1.02	Tree Removals	ea	154	\$ 200.00	\$ 30,800.00	As per Arborist Report
	1.03	Maintenance of Traffic	L.S.	1	\$ 1,080,460.60	\$ 1,080,460.60	Assumes 10% of Section B-D
	1.04	Supply, Install and Maintain Silt Fence for Erosion and Sediment Control	m	8400	\$ 25.00	\$ 210,000.00	For length of boulevard works. Assumes 1 side completed at a time.(assumed full length divided into 3 phases)
	1.05	Supply, Install and Maintain Tree Protection Fence	m	8400	\$ 20.00	\$ 168,000.00	For length of boulevard works. Assumes 1 side completed at a time.(assumed full length divided into 3 phases)
Subtotal (Part A - General excluding contingency)					\$ 1,977,625.40		
					30% contingency (Part A)	\$ 593,287.62	
					SubTotal (Part A - General)	\$ 2,570,913.02	
Road and Boulevard Works	Part B - Road and Boulevard Works						
	2.01	Remove and Dispose of Existing Concrete Curb and Gutter (All Types)	m	440	\$ 18.00	\$ 7,920.00	
	2.02	Remove and Dispose of Existing Concrete Sidewalk	m2	2860	\$ 18.00	\$ 51,480.00	Adjusted for Roundabout quantities
	2.03	Clearing and Grubbing	m2	19200	\$ 3.50	\$ 67,200.00	Full width of grass boulevard
	2.04	Remove Existing Asphalt Pavement (Partial Depth) 50mm thickness	m2	33500	\$ 6.00	\$ 201,000.00	
	2.05	HL-8 (50mm) Binder Course Asphalt - for Roadway	m2	39800	\$ 14.00	\$ 557,200.00	Assumes same structure for driveways for preliminary costing purposes
	2.06	HL-3 (50mm) Surface Course Asphalt - for Roadway	m2	39800	\$ 20.00	\$ 796,000.00	
	2.07	HL-8 (50mm) Binder Course Asphalt - for MUP and Cycle track	m2	12600	\$ 14.00	\$ 176,400.00	
	2.08	HL-3 (50mm) Surface Course Asphalt - for MUP and Cycle track	m2	12600	\$ 20.00	\$ 252,000.00	
	2.09	Granular 'A' - Roadway	t	1460	\$ 25.00	\$ 36,500.00	Assumes 200mm Granular A.
	2.10	Granular 'A' - MUP and cycle track	t	6450	\$ 25.00	\$ 161,250.00	Assumes 200mm Granular A.
	2.11	Supply, Place and Compact 50mm Crusher Run Limestone for Cycle Facility or MUP	t	1450	\$ 56.00	\$ 81,200.00	
	2.12	Construct 150 mm Thick Concrete Sidewalk	m2	13800	\$ 90.00	\$ 1,242,000.00	
	2.13	Construct 125mm Thick Coloured Concrete Buffer	m2	6100	\$ 105.00	\$ 640,500.00	Between MUP and BOC when width is below 1.0m. Typically 0.6m wide
	2.14	Supply and Install Tactile Walking Surface Indicators	ea	50	\$ 350.00	\$ 17,500.00	
	2.15	150mm imported Topsoil and Sod	m2	14800	\$ 20.00	\$ 296,000.00	
	2.16	Concrete Curb and Gutter (all type)	m	7880	\$ 120.00	\$ 945,600.00	
	2.17	Permanent Durable Pavement Markings-10cm yellow line	m	5890	\$ 6.00	\$ 35,340.00	
	2.18	Permanent Durable Pavement Markings - 60cm Stop Lines and for Zebra crossing	m	650	\$ 36.00	\$ 23,400.00	
	2.19	Permanent Durable Pavement Markings - Turning Arrows	ea	10	\$ 55.00	\$ 550.00	
	2.20	Permanent Durable Pavement Markings - Elephant's feet (20cm x 20 cm)	m	680	\$ 24.00	\$ 16,320.00	
	2.21	Permanent Durable Pavement Markings - Shark teeth (30cm x 45 cm)	ea	12	\$ 35.00	\$ 420.00	
	2.22	Pavement markings - Green Thermoplastic cycle crossing	m	340	\$ 200.00	\$ 68,000.00	
	2.24	Pavement markings - Diamond, Bicycle Symbol, and Arrow	ea	51	\$ 165.00	\$ 8,415.00	
	2.25	Pavement markings - Bicycle Symbol and Arrow	ea	26	\$ 110.00	\$ 2,860.00	
	2.26	Pavement markings - Raised crossing	ea	16	\$ 55.00	\$ 880.00	
	2.27	Permanent Roadway Signage	ea	87	\$ 265.00	\$ 23,161.00	Assumes 20 signs per/km per direction.
	2.28	Construct Raised Traffic Island Concrete Surface	m2	150	\$ 120.00	\$ 18,000.00	
	2.29	Construct Raised Traffic Island Curb and Gutter as per OPSD 600.040	m	200	\$ 100.00	\$ 20,000.00	
SubTotal (Part B - Road and Boulevard Works excluding contingency)					\$ 5,747,096.00		
					30% contingency (Part B)	\$ 1,724,128.80	
					SubTotal (Part B - Road and Boulevard Works)	\$ 7,471,224.80	
Storm	Part C - Storm						
	3.01	Remove Catch Basin including shortening of the leads (if required) and dispose of site	ea	3	\$ 2,500.00	\$ 7,500.00	

	3.02	600mm x 600mm Precast Concrete Single Catch Basin	ea	7	\$ 5,000.00	\$ 35,000.00	At Bay Street
	3.03	600mm x 1200mm Precast Concrete Double Catch Basin		24	\$ 7,500.00	\$ 180,000.00	
	3.04	Culvert removals including all bedding and riprap	m	1176	\$ 200.00	\$ 235,200.00	
	3.05	Proposed culvert (500mm) including all bedding and riprap	m	1200	\$ 2,500.00	\$ 3,000,000.00	
SubTotal (Part C - Storm excluding contingency)						\$ 3,457,700.00	
						30% contingency (Part C)	\$ 1,037,310.00
						\$ 4,495,010.00	
Part D - Bioswale							
Bioswale	4.01	Bioswale - includes mulch, engineering soils, gravel, underdrain pipe. Geotextile, perforated pipe, monitoring well, overflow pipe.	LS	1	\$ 500,000.00	\$ 500,000.00	Conservative costing per km
	4.02	Protection for utility works	LS	1	\$ 62,500.00	\$ 62,500.00	Assumes 10-15% bioswale cost
SubTotal (Part D - Bioswale excluding contingency)						\$ 562,500.00	
						30% contingency (Part D)	\$ 168,750.00
						\$ 731,250.00	
Part E - Electrical							
Electrical	5.01	Full re-build for the signalized intersections (TP/TCP/Traffic controller)	per intersection	2	\$ 150,000.00	\$ 300,000.00	
	5.02	Street Lighting	LS	1	\$ 2,006,400.00	\$ 2,006,400.00	
SubTotal (Part E - Electrical excluding contingency)						\$ 2,006,400.00	Changed from 2306400 to 2006400
						30% contingency (Part E)	\$ 601,920.00
						\$ 2,608,320.00	
Part F - Utility Impact							
	6.02	Remove & install new DI	ea	1	\$ 10,000.00	\$ 10,000.00	
	6.03	Adjust Bell Mouth Manhole	ea	5	\$ 10,000.00	\$ 50,000.00	
	6.04	Relocate Bell Pedestal	ea	27	\$ 5,000.00	\$ 135,000.00	
	6.05	Relocate HBOX	ea	1	\$ 20,000.00	\$ 20,000.00	
	6.06	Relocate Communication Box (COMM)	ea	1	\$ 20,000.00	\$ 20,000.00	
	6.07	Remove and install new Fire hydrant	ea	34	\$ 2,500.00	\$ 85,000.00	
	6.08	Relocate Hydro Poles	ea	111	\$ 15,000.00	\$ 1,665,000.00	
SubTotal (Part F - Utility Impact excluding contingency)						\$ 1,985,000.00	
						30% contingency (Part F)	\$ 595,500.00
						\$ 2,580,500.00	
Roundabout Cost (excluding property intake)						\$ 798,295.00	
SubTotal						\$ 21,255,512.82	
Detailed Engineering Design (5%)						\$ 1,062,775.64	
Construction Administration and Inspection (10%)						\$ 2,125,551.28	
Total Cost						\$ 24,443,839.74	

Town of Innisfil - Active Transportation Facilities									
25th Sideroad									
Preliminary Construction Cost Estimate(Sep 2022) - Context 2 (Green and Rural)									
Item	Description	Unit	Quantity	Unit Cost	Total (actual)	Total	Comments		
Part A - General									
General	1.01	Construction Layout	L.S.	1	\$ 94,000.00	\$	94,000.00	Assumes 5% of Section B-D	
	1.02	Tree Removals	ea	11	\$ 200.00	\$	2,200.00	As per Arborist Report	
	1.03	Maintenance of Traffic	L.S.	1	\$ 235,000.00	\$	235,000.00	Assumes 10% of Section B-D	
	1.04	Supply, Install and Maintain Silt Fence for Erosion and Sediment Control	m	2800	\$ 25.00	\$ 115,000.00	\$	70,000.00	For length of boulevard works. Assumes 1 side completed at a time.(assumed full length divided into 3 phases)
	1.05	Supply, Install and Maintain Tree Protection Fence	m	2800	\$ 20.00	\$ 92,000.00	\$	56,000.00	For length of boulevard works. Assumes 1 side completed at a time.(assumed full length divided into 3 phases)
Subtotal (Part A - General excluding contingency)						\$	457,200.00		
						\$	137,160.00	30% contingency (Part A)	
SubTotal (Part A - General)						\$	-	\$	594,360.00
Part B - Road and Boulevard Works									
Road and Boulevard Works	2.01	Clearing and Grubbing	m2	6300	\$ 3.50	\$	22,050.00	Full width of grass boulevard	
	2.02	Remove Existing Asphalt Pavement (Partial Depth) 50mm thickness	m2	11100	\$ 6.00	\$	66,600.00		
	2.03	HL-8 (50mm) Binder Course Asphalt - for Roadway	m2	11500	\$ 14.00	\$	161,000.00	Assumes same structure for driveways for preliminary costing purposes	
	2.04	HL-3 (50mm) Surface Course Asphalt - for Roadway	m2	11500	\$ 20.00	\$	230,000.00		
	2.05	HL-8 (50mm) Binder Course Asphalt - for MUP	m2	4500	\$ 14.00	\$	63,000.00		
	2.06	HL-3 (50mm) Surface Course Asphalt - for MUP	m2	4500	\$ 20.00	\$	90,000.00		
	2.07	Granular 'A' - MUP	t	2150	\$ 25.00	\$	53,750.00	Assumes 200mm Granular A.	
	2.08	Supply, Place and Compact 50mm Crusher Run Limestone for Cycle Facility or MUP base	t	650	\$ 56.00	\$	36,400.00		
	2.10	150mm imported Topsoil and Sod	m2	9750	\$ 20.00	\$	195,000.00		
	2.11	Concrete Curb and Gutter (all type)	m	2940	\$ 120.00	\$	352,800.00		
	2.12	Permanent Durable Pavement Markings-10cm yellow line	m	1440	\$ 6.00	\$	8,640.00		
	2.13	Permanent Durable Pavement Markings - 60cm Stop Lines and for Zebra crossing	m	10	\$ 36.00	\$	360.00		
	2.14	Pavement markings - Pedestrian Symbol, Bicycle Symbol, and Arrow	ea	8	\$ 165.00	\$	1,320.00		
	2.15	Permanent Roadway Signage	ea	27	\$ 265.00	\$	7,261.00	Assumes 20 signs per/km per direction.	
	2.16	Gravel Shoulder	m2	2180	\$ 10.00	\$	21,800.00	Assumed \$10.00 / m2	
SubTotal (Part B - Road and Boulevard Works excluding contingency)						\$	1,309,981.00		
						\$	392,994.30	30% contingency (Part B)	
SubTotal (Part B - Road and Boulevard Works)						\$	-	\$	1,702,975.30
Part C - Storm									
	3.01	600mm x 600mm Precast Concrete Single Catch Basin	ea	24	\$ 5,000.00	\$	120,000.00	At Bay Street	
	3.02	Culvert removals including all bedding and riprap	m	70	\$ 200.00	\$	14,000.00		
	3.03	Proposed culvert (500mm) including all bedding and riprap	m	47	\$ 2,500.00	\$	117,500.00		
SubTotal (Part C - Storm excluding contingency)						\$	251,500.00		
						\$	75,450.00	30% contingency (Part C)	
SubTotal (Part C - Storm)						\$	-	\$	326,950.00
Part D - Bioswale									
Bioswale	4.01	Bioswale - includes mulch, engineering soils, gravel, underdrain pipe, Geotextile, perforated pipe, monitoring well, overflow pipe.	LS	1	\$ 175,000.00	\$	175,000.00	Conservative costing per km	
	4.02	Protection for utility works	LS	1	\$ 21,875.00	\$	21,875.00	Assumes 10-15% bioswale cost	
SubTotal (Part D - Bioswale excluding contingency)						\$	196,875.00		
						\$	59,062.50	30% contingency (Part D)	
SubTotal (Part D - Bioswale)						\$	-	\$	255,937.50
Part F - Utility Impact									
	6.01	Relocate Bell Pedestal	ea	10	\$ 5,000.00	\$	50,000.00		
	6.02	Remove and install new Fire hydrant	ea	8	\$ 2,500.00	\$	20,000.00		
	6.03	Relocate Hydro Poles	ea	3	\$ 15,000.00	\$	45,000.00		
SubTotal (Part F - Utility Impact excluding contingency)						\$	115,000.00		
						\$	34,500.00	30% contingency (Part F)	
SubTotal (Part F - Utility Impact)						\$	-	\$	149,500.00
SubTotal						\$	-	\$	3,285,660.30
Detailed Engineering Design (5%)						\$	-	\$	164,283.02
Construction Administration and Inspection (10%)						\$	-	\$	328,566.03
Total Cost						\$	-	\$	3,778,509.35

Town of Innisfil - Active Transportation Facilities							
25th Sideroad							
Preliminary Construction Cost Estimate(Sep 2022) - Context 3 (Downtown Commercial)							
Item	Description	Unit	Quantity	Unit Cost	Total	Comments	
General	Part A - General						
	1.01	Construction Layout	L.S.	1	\$ 281,000.00	\$ 281,000.00	Assumes 5% of Section B-F
	1.02	Tree Removals	ea	10	\$ 200.00	\$ 2,000.00	As per Arborist Report
	1.03	Maintenance of Traffic	L.S.	1	\$ 720,000.00	\$ 720,000.00	Assumes 10% of Section B-F
	1.04	Supply, Install and Maintain Silt Fence for Erosion and Sediment Control	m	2600	\$ 25.00	\$ 65,000.00	For length of boulevard works. Assumes 1 side completed at a time.(assumed full length divided into 3 phases)
1.05	Supply, Install and Maintain Tree Protection Fence	m	2600	\$ 20.00	\$ 52,000.00	For length of boulevard works. Assumes 1 side completed at a time.(assumed full length divided into 3 phases)	
Subtotal (Part A - General excluding contingency)					\$ 1,120,000.00		
					30% contingency (Part A)	\$ 336,000.00	
					SubTotal (Part A - General)	\$ 1,456,000.00	
Road and Boulevard Works	Part B - Road and Boulevard Works						
	2.01	Remove and Dispose of Existing Concrete Curb and Gutter (All Types)	m	250	\$ 18.00	\$ 4,500.00	
	2.03	Clearing and Grubbing	m2	5300	\$ 3.50	\$ 18,550.00	Full width of grass boulevard
	2.04	Remove Existing Asphalt Pavement (Partial Depth) 50mm thickness	m2	9400	\$ 6.00	\$ 56,400.00	
	2.05	HL-8 (50mm) Binder Course Asphalt - for Roadway	m2	13500	\$ 14.00	\$ 189,000.00	Assumes same structure for driveways for preliminary costing purposes
	2.06	HL-3 (50mm) Surface Course Asphalt - for Roadway	m2	13500	\$ 20.00	\$ 270,000.00	
	2.07	HL-8 (50mm) Binder Course Asphalt - for MUP and Cycle track	m2	10200	\$ 14.00	\$ 142,800.00	
	2.08	HL-3 (50mm) Surface Course Asphalt - for MUP and Cycle track	m2	10200	\$ 20.00	\$ 204,000.00	
	2.09	Granular 'A' - Roadway	t	660	\$ 25.00	\$ 16,500.00	Assumes 200mm Granular A.
	2.10	Granular 'A' - MUP and cycle track	t	4900	\$ 25.00	\$ 122,500.00	Assumes 200mm Granular A.
	2.11	Supply, Place and Compact 50mm Crusher Run Limestone for Cycle Facility or MUP base	t	1400	\$ 56.00	\$ 78,400.00	
	2.12	Construct 150 mm Thick Concrete Sidewalk	m2	4750	\$ 90.00	\$ 427,500.00	
	2.13	Construct 125mm Thick Coloured Concrete Buffer	m2	7350	\$ 105.00	\$ 771,750.00	Between MUP and BOC when width is below 1.0m. Typically 0.6m wide
	2.14	Supply and Install Tactile Walking Surface Indicators	ea	10	\$ 350.00	\$ 3,500.00	
	2.15	150mm imported Topsoil and Sod	m2	4300	\$ 20.00	\$ 86,000.00	Includes buffer and 2.4m wide planting strip
	2.16	Concrete Curb and Gutter (all type)	m	4170	\$ 120.00	\$ 500,400.00	
	2.17	Permanent Durable Pavement Markings-10cm yellow line	m	2150	\$ 6.00	\$ 12,900.00	
	2.18	Permanent Durable Pavement Markings - 60cm Stop Lines and for Zebra crossing	m	120	\$ 36.00	\$ 4,320.00	
	2.19	Permanent Durable Pavement Markings - Turning Arrows	ea	10	\$ 55.00	\$ 550.00	
	2.20	Permanent Durable Pavement Markings - Elephant's feet (20cm x 20 cm)	m	140	\$ 24.00	\$ 3,360.00	
	2.22	Pavement markings - Green Thermoplastic cycle crossing	m	70	\$ 200.00	\$ 14,000.00	
	2.24	Pavement markings - Diamond, Bicycle Symbol, and Arrow	ea	10	\$ 165.00	\$ 1,650.00	
	2.25	Pavement markings - Bicycle Symbol and Arrow	ea	5	\$ 110.00	\$ 550.00	
2.27	Permanent Roadway Signage	ea	23	\$ 265.00	\$ 6,095.00	Assumes 20 signs per/km per direction.	
SubTotal (Part B - Road and Boulevard Works excluding contingency)					\$ 2,935,225.00		
					30% contingency (Part B)	\$ 880,567.50	
					\$ 3,815,792.50		

		Part C - Storm					
Storm	3.01	Remove Catch Basin including shortening of the leads (if required) and dispose of site	ea	7	\$ 2,500.00	\$ 17,500.00	
	3.02	600mm x 600mm Precast Concrete Single C	ea	17	\$ 5,000.00	\$ 85,000.00	At Bay Street
	3.03	Culvert removals including all bedding and riprap	m	420	\$ 200.00	\$ 84,000.00	
	3.04	Storm Sewer including Manholes	m	1320	\$ 1,200.00	\$ 1,584,000.00	
	3.05	Infiltration chambers	m	2000	\$ 250.00	\$ 500,000.00	
SubTotal (Part C - Storm excluding contingency)						\$ 2,270,500.00	
					30% contingency (Part C)		\$ 681,150.00
							\$ 2,951,650.00
Electrical	5.01	Street Lighting	LS	1	\$ 633,600.00	\$ 633,600.00	
	SubTotal (Part E - Electrical)						\$ 633,600.00
					30% contingency (Part C)		\$ 190,080.00
							\$ 823,680.00
		Part F - Utility Impact					
	6.01	Remove & Relocate LS	ea	2	\$ 5,000.00	\$ 10,000.00	
	6.02	Remove & install new DI	ea	4	\$ 10,000.00	\$ 40,000.00	
	6.03	Adjust Bell Mouth Manhole	ea	2	\$ 10,000.00	\$ 20,000.00	
	6.04	Relocate Bell Pedestal	ea	7	\$ 5,000.00	\$ 35,000.00	
	6.07	Remove and install new Fire hydrant	ea	9	\$ 2,500.00	\$ 22,500.00	
	6.08	Relocate Hydro Poles	ea	18	\$ 15,000.00	\$ 270,000.00	
	SubTotal (Part F - Utility Impact)						\$ 397,500.00
					30% contingency (Part F)		\$ 119,250.00
							\$ 516,750.00
SubTotal						\$ 7,666,155.00	
Detailed Engineering Design (5%)						\$ 383,307.75	
Construction Administration and Inspection (10%)						\$ 766,615.50	
Total Cost						\$ 8,816,078.25	