



**PROJECT: RQQ-2013-IEP-052 CALEDONIA GO STATION TRANSIT PROJECT ASSESSMENT PROCESS
PRELIMINARY COST ESTIMATE**

November 9, 2015
 EST. BY: MM
 Checked BY: EM/JG
 PROJECT NO. 300034767

Component	Item	Unit	Estimated Quantity	Unit Price	Estimated Cost ¹	Remarks	
PHASE 1							
1.1 GENERAL WORK							
	Mobilization/Demobilization	LS	1	\$200,000	\$200,000	5% of contract value	
	Construction Layout	LS	1	\$40,000	\$40,000		
	Temporary Fencing	LS	1	\$25,000	\$25,000		
	Erosion and Sediment Control	LS	1	\$100,000	\$100,000		
	Clearing and Grubbing	LS	1	\$100,000	\$100,000		
	Utility relocation/protection	LS	1	\$500,000	\$500,000		
Sub-Total					\$1,000,000		
1.2 CIVIL TRACK/ROW WORKS							
	Prep for new west track (near future)	m	750	\$1,300	\$975,000	Assume station contract built in advance of Barrie track work.	
	Prep for new east track (distant future)	m	750	\$1,100	\$825,000		
	Re-align/lower existing track	m	750	\$750	\$562,500		
	Retaining Walls	sq.m	1600	\$600	\$960,000		
	Earthworks/Grading	sq.m	18750	\$40	\$750,000		
	Site Landscaping	LS	1	\$150,000	\$150,000		Hydroseed, etc.
	Decorative/Board Fencing	m	700	\$300	\$210,000		Replace fence along both sides
Sub-Total					\$4,400,000		
Phase 1 Sub-Total					\$5,400,000		
PHASE 2							
2.1 GENERAL WORK							
	Mobilization/Demobilization	LS	1	\$1,000,000	\$1,000,000	5%(+/-) of contract value (PHASE 2 & 3)	
	Construction Layout	LS	1	\$40,000	\$40,000		
	Temporary Fencing	LS	1	\$50,000	\$50,000		
	Erosion and Sediment Control	LS	1	\$100,000	\$100,000		
	Clearing and Grubbing	LS	1	\$75,000	\$75,000		
	Utility investigation/relocation/protection	LS	1	\$150,000	\$150,000		
	Misc. Removals	LS	1	\$50,000	\$50,000		
Sub-Total					\$1,500,000		
2.2 NEW STATION BUILDING							
	Station Building	LS	1	\$7,500,000	\$7,500,000		
	Elec/Comm Room Works	LS	1	\$500,000	\$500,000		
Sub-Total					\$8,000,000		

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2.3 NEW PEDESTRIAN BRIDGE						
	Pedestrian Bridge	m	43	\$52,500	\$2,257,500	
	Stair/Elevator Enclosure	LS	1	\$750,000	\$750,000	
	Elevators	EA	4	\$500,000	\$2,000,000	
Sub-Total					\$5,000,000	
2.4 NEW ISLAND PLATFORM						
	Earthworks	LS	1	\$50,000	\$50,000	Assumed relative grading largely complete during track re-alignment Incl. RWLs & storm connection Incl. boilers, bedding sand and comissioning Incl. base-pad/structure/utilities/etc.
	Platform - Granular 'A' (150mm)	sq.m	2331	\$15	\$34,965	
	Platform - Granular 'B' (150mm)	sq.m	2331	\$15	\$34,965	
	Platform - Asphalt (50mm)	sq.m	2331	\$30	\$69,930	
	Supply and install precast concrete retaining curbs on rail edge of platform including excavation, bedding, backfill and subdrain.	m	645	\$375	\$241,875	
	Tactile Tile	m	645	\$200	\$129,000	
	Asphalt Street Print	sq.m	2331	\$30	\$69,930	
	Mini-platform	LS	1	\$75,000	\$75,000	
	Platform Canopy	m	100	\$21,000	\$2,100,000	
	Platform Snowmelt	LS	1	\$2,500,000	\$2,500,000	
	Platform Shelters	EA	1	\$65,000	\$65,000	
	Maintenance Access	EA	2	\$25,000	\$50,000	
	Platform Lighting/CCTV/PA	LS	1	\$100,000	\$100,000	
Sub-Total					\$5,500,000	
2.5 KISS & RIDE/DROP OFF AREA/Staff Parking/Servicing						
KISS & RIDE						
	Earthworks	LS	1	\$40,000	\$40,000	
	Parking - Asphalt (90mm)	sq.m	675	\$30	\$20,250	
	Parking - Granular 'A' (150mm)	sq.m	675	\$15	\$10,125	
	Parking - Granular 'B' (450mm)	sq.m	675	\$18	\$12,150	
	Pavement Markings	LS	1	\$5,000	\$5,000	
	Concrete Sidewalk	sq.m	375	\$80	\$30,000	
	Sidewalk Granular 'A' (150mm)	sq.m	375	\$15	\$5,625	
	Concrete Barrier Curb	m	170	\$65	\$11,050	
	Lighting/CCTV/PA	LS	1	\$75,000	\$75,000	
STAFF PARKING						
	Earthworks	LS	1	\$40,000	\$40,000	
	Parking - Asphalt (90mm)	sq.m	275	\$30	\$8,250	
	Parking - Granular 'A' (150mm)	sq.m	275	\$15	\$4,125	
	Parking - Granular 'B' (450mm)	sq.m	275	\$18	\$4,950	
	Pavement Markings	LS	1	\$3,000	\$3,000	
	Concrete Barrier Curb	m	80	\$65	\$5,200	
	Lighting and CCTV	LS	1	\$65,000	\$65,000	

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SERVICING AND STORMWATER STORAGE							
	Gas	LS	1	\$100,000	\$100,000		
	Hydro	LS	1	\$100,000	\$100,000		
	Comms	LS	1	\$100,000	\$100,000		
	Sanitary	LS	1	\$150,000	\$150,000		
	Storm	LS	1	\$200,000	\$200,000		
	Stormwater Quality/Quantity	LS	1	\$150,000	\$150,000		
LANDSCAPING AND FENCING							
	Site Landscaping	LS	1	\$300,000	\$300,000		
	Decorative Fencing	m	100	\$300	\$30,000	Nominal amount	
Sub-Total					\$1,500,000		
Phase 2 Sub-Total					\$21,500,000		
PHASE 3 (PROVISIONAL)							
3.1 NEW SIDE PLATFORM							
	Earthworks	LS	1	\$75,000	\$75,000	Assumed relative grading largely complete during track re-alignment	
	Platform - Granular 'A' (150mm)	sq.m	1350	\$15	\$20,250		
	Platform - Granular 'B' (150mm)	sq.m	1350	\$15	\$20,250		
	Platform - Asphalt (50mm)	sq.m	1350	\$30	\$40,500		
	Supply and install precast concrete retaining curbs on rail edge of platform including excavation, bedding, backfill and subdrain.	m	325	\$400	\$130,000		
	Tactile Tile	m	325	\$250	\$81,250		
	Asphalt Street Print	sq.m	1350	\$30	\$40,500		
	Mini-platform	LS	1	\$100,000	\$100,000		
	Platform Canopy	m	100	\$12,500	\$1,250,000		Incl. RWLs & storm connection
	Platform Snowmelt	LS	1	\$2,000,000	\$2,000,000		Incl. piping, bedding sand and comissioning (connection to existing boilers)
	Platform Shelters	EA	2	\$65,000	\$130,000	Incl. base-pad/structure/utilities/etc.	
	Platform Lighting/CCTV/PA	LS	1	\$100,000	\$100,000		
Sub-Total					\$4,000,000		
3.2 NORTH PEDESTRIAN TUNNEL							
	Pre-cast Tunnel	m	28	\$65,000	\$1,820,000		
	Stair and Elevator Enclosure	EA	3	\$1,000,000	\$3,000,000		
	Elevators	EA	3	\$500,000	\$1,500,000		
	Platform Canopy	m	40	\$10,000	\$400,000		
	Shoring	LS	1	\$1,600,000	\$1,600,000		
Sub-Total					\$8,300,000		
Phase 3 Sub-Total					\$12,300,000		

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CASH ALLOWANCES						
CA1	Cash Allowance for Utility Charges (inc locates and relocation)				\$1,200,000	
CA2	Cash Allowance for Water Connection				\$300,000	
CA3	Cash Allowance for Sanitary Connections				\$300,000	
CA4	Cash Allowance for Contaminated Land Removal (Phase 1 Works)				\$1,500,000	
CA5	Cash Allowance for Contaminated Land Removal (Phase 2/3 Works)				\$1,000,000	
CA6	Cash Allowance for Wayfinding and Signage				\$60,000	
CA7	Cash Allowance for Testing, Inspection and Commissioning				\$300,000	
CA8	Cash Allowance for City Permits				\$60,000	
CA9	Cash Allowance for Paid Duty Officer				\$300,000	
CA10	Cash Allowance for Project Coordination				\$1,500,000	
Cash Allowance Sub-Total					\$6,500,000	
Sub Total					\$45,700,000	
Contingencies (30%)					\$12,000,000	
Total²					\$58,000,000	

1. Summed items may not equal the subtotal and total cost due to rounding of significant figures.
2. Estimate does not include for flagging. Work done under normal construction season conditions.