

G Cost Estimates



SNC • LAVALIN

COLTA - Options Analysis and Functional Design - Keating Road Connection

Project Name: COLTA - Functional Alignments	Discipline: Civil	Revision: B01
SLI Project #: 020447	Client: HRM	Date: 28-Feb-12
Prepared By: RNB	Checked By: BML	Approved By: RNB

Item No.	Description	Approximate Quantity	Unit	Approximate Unit Price	Approximate Total Price
1.0 - WINDSOR STREET TO WINDSOR EXCHANGE					
1.1	Earthworks	100.00	m ³	10.00	\$ 1,000
1.2	Clearing and Grubbing	50.00	m ²	10.00	\$ 500
1.3	New Asphalt Multiuse Trail	90.00	m ²	50.00	\$ 4,500
1.4	Curb Modifications	1.00	LS	1,000.00	\$ 1,000
1.5	Landscaping	1.00	LS	1,000.00	\$ 1,000
				SUB-TOTAL	\$ 8,000
				SUB-TOTAL	\$ 8,000
				<i>Misc Items (10%)</i>	<i>\$ 800</i>
				SUB-TOTAL	\$ 8,800
				<i>15% Contingency</i>	<i>\$ 1,320</i>
				TOTAL	\$ 10,120

TOTAL DOES NOT INCLUDE HST.



COLTA - Options Analysis and Functional Design - COLTA to HUGA (Springvale Connection)

Project Name: COLTA - Functional Alignments	Discipline: Civil	Revision: B01
SLI Project #: 020447	Client: HRM	Date: 28-Feb-12
Prepared By: RNB	Checked By: BML	Approved By: RNB

Item No.	Description	Approximate Quantity	Unit	Approximate Unit Price	Approximate Total Price
1.0 COLTA to JOSEPH HOWE DRIVE					
1.1	Earthworks	100.00	m ³	10.00	\$ 1,000
1.2	Repairs to Existing Sidewalk	190.00	m	30.00	\$ 5,700
1.3	Connection to COLTA Trail	1.00	LS	2,000.00	\$ 2,000
1.4	Intersection Upgrades at Joseph Howe Drive	1.00	LS	5,000.00	\$ 5,000
1.5	Sharrows	8.00	each	200.00	\$ 1,600
1.6	Misc Line Painting	40.00	m	5.00	\$ 200
1.7	Landscaping	1.00	LS	1,000.00	\$ 1,000
				SUB-TOTAL	\$ 16,500
2.0 JOSEPH HOWE TO CEMETERY ENTRANCE					
2.1	Earthworks	100.00	m ³	10.00	\$ 1,000
2.2	Repairs to Existing Sidewalk	100.00	m	30.00	\$ 3,000
2.3	Upgrading to Cemetery Entrance (including fence)	1.00	LS	10,000.00	\$ 10,000
2.4	Intersection Upgrades at Joseph Howe Drive	1.00	LS	3,000.00	\$ 3,000
2.5	Sharrows	6.00	each	200.00	\$ 1,200
2.6	Landscaping	1.00	LS	2,000.00	\$ 2,000
				SUB-TOTAL	\$ 20,200
3.0 CEMETERY - MURDOCH TO OLIVET					
3.1	Earthworks	1,500.00	m ³	10.00	\$ 15,000
3.2	Clearing and Grubbing	300.00	m ²	10.00	\$ 3,000
3.3	New Asphalt Multiuse Trail	320.00	m ²	50.00	\$ 16,000
3.4	Upgrade Ex. Gravel Roadway	1,800.00	m ²	50.00	\$ 90,000
3.5	Retaining Walls	1.00	LS	20,000.00	\$ 20,000
3.6	Misc Line Painting	20.00	m	5.00	\$ 100
3.7	Misc Cemetery Modifications	1.00	LS	10,000.00	\$ 10,000
3.8	Connection to Olivet Street	1.00	LS	5,000.00	\$ 5,000
3.9	Landscaping	1.00	LS	10,000.00	\$ 10,000
				SUB-TOTAL	\$ 169,100
4.0 OLIVET STREET TO HUGA					
4.1	Earthworks	500.00	m ³	10.00	\$ 5,000
4.2	Bulb Outs on Olivet Street	1.00	LS	5,000.00	\$ 5,000
4.3	Driveway Modifications at Fort Knox	1.00	LS	15,000.00	\$ 15,000
4.4	New Asphalt Multiuse Trail	350.00	m ²	50.00	\$ 17,500
4.5	New Curb	150.00	LS	120.00	\$ 18,000
4.6	New Asphalt	700.00	m ²	80.00	\$ 56,000
4.7	Relocation of Utility Pole	1.00	LS	3,000.00	\$ 3,000
4.8	Modifications to Sewer Chamber (cost does not include replacement)	1.00	LS	5,000.00	\$ 5,000
4.9	Landscaping	1.00	LS	5,000.00	\$ 5,000
4.10	Costs Associated with Rail Crossing or Additional HUGA Connections	Not Included			
				SUB-TOTAL	\$ 129,500
				SUB-TOTAL	\$ 335,300
				<i>Misc Items (10%)</i>	<i>\$ 33,530</i>
				SUB-TOTAL	\$ 368,830
				<i>15% Contingency</i>	<i>\$ 55,325</i>
				TOTAL	\$ 424,155

TOTAL DOES NOT INCLUDE HST.



COLTA - Options Analysis and Functional Design - COLTA to HUGA (Scot Street Connection)

Project Name: COLTA - Functional Alignments	Discipline: Civil	Revision: B01
SLI Project #: 020447	Client: HRM	Date: 28-Feb-12
Prepared By: RNB	Checked By: BML	Approved By: RNB

Item No.	Description	Approximate Quantity	Unit	Approximate Unit Price	Approximate Total Price
1.0 SCOT STREET - JOSEPH HOWE TO MALL ENTRANCE					
1.1	Earthworks	100.00	m ³	10.00	\$ 1,000
1.2	Intersection AT Upgrades	1.00	LS	5,000.00	\$ 5,000
1.3	New Asphalt Multiuse Trail	25.00	m ²	50.00	\$ 1,250
1.4	Upgrade Ex. Conc Sidewalk	200.00	m ²	100.00	\$ 20,000
1.5	Sharrows	6.00	each	200.00	\$ 1,200
1.6	Misc Line Painting	60.00	m	5.00	\$ 300
1.7	Landscaping	1.00	LS	1,500.00	\$ 1,500
				SUB-TOTAL	\$ 30,250
2.0 SCOT STREET - MALL ENTRANCE TO PARKING LOT					
2.1	Earthworks	500.00	m ³	10.00	\$ 5,000
2.2	New Asphalt Multiuse Trail	300.00	m ²	50.00	\$ 15,000
2.3	Remove Parking Stalls and New Curb	1.00	LS	1,000.00	\$ 1,000
2.4	New Curb	70.00	m	120.00	\$ 8,400
2.5	Misc Line Painting	50.00	m	5.00	\$ 250
2.6	New Asphalt	100.00	m ²	80.00	\$ 8,000
2.7	Misc Items (Accommodate Retaining Wall)	1.00	LS	5,000.00	\$ 5,000
2.8	Landscaping	1.00	LS	1,500.00	\$ 1,500
				SUB-TOTAL	\$ 44,150
3.0 SCOT STREET - BUILDING FRONT TO HUGA TRAIL					
3.1	Earthworks	200.00	m ³	10.00	\$ 2,000
3.2	New Asphalt Multiuse Trail	250.00	m ²	50.00	\$ 12,500
3.3	Reconstruct Commercial Building Frontage	250.00	m ²	200.00	\$ 50,000
3.4	New Curb	90.00	m	120.00	\$ 10,800
3.5	Misc Line Painting	130.00	m	5.00	\$ 650
3.6	Parking Lot - General Modifications	1.00	LS	5,000.00	\$ 5,000
3.7	Landscaping	1.00	LS	2,500.00	\$ 2,500
				SUB-TOTAL	\$ 83,450
4.0 SCOT STREET - AT BRIDGE OVER CN RAIL CUT					
4.1	Earthworks	200.00	m ³	10.00	\$ 2,000
4.2	Concrete Landing Areas	100.00	m ²	150.00	\$ 15,000
4.3	Bridge Structure	1.00	LS	600,000.00	\$ 600,000
4.4	Landscaping	1.00	LS	1,500.00	\$ 1,500
				SUB-TOTAL	\$ 618,500
				SUB-TOTAL	\$ 776,350
				Misc Items (10%)	\$ 77,635
				SUB-TOTAL	\$ 853,985
				15% Contingency	\$ 128,098
				TOTAL	\$ 982,083

TOTAL DOES NOT INCLUDE HST.



COLTA - Options Analysis and Functional Design - COLTA to HUGA (Scot Street Connection)

Project Name: COLTA - Functional Alignments	Discipline: Civil	Revision: B01
SLI Project #: 020447	Client: HRM	Date: 28-Feb-12
Prepared By: RNB	Checked By: BML	Approved By: RNB

Item No.	Description	Approximate Quantity	Unit	Approximate Unit Price	Approximate Total Price
1.0 - CN RAIL CUT TO CN DRIVEWAY					
1.1	Earthworks	3,000.00	m ³	10.00	\$ 30,000
1.2	Modifications to Existing Parking Lot (east end of bridge)	1.00	LS	10,000.00	\$ 10,000
1.3	New Asphalt Multiuse Trail	770.00	m ²	50.00	\$ 38,500
1.4	Driveway Upgrades at CN Shop Entrance - General	1.00	LS	2,000.00	\$ 2,000
1.5	New Curb	80.00	m	120.00	\$ 9,600
1.6	Misc Line Painting	20.00	m	5.00	\$ 100
1.7	Fencing Upgrading	250.00	m	20.00	\$ 5,000
1.8	Removal of Sidwalk and Guiderail (Chisholm)	60.00	m	15.00	\$ 900
1.9	Landscaping	1.00	LS	10,000.00	\$ 10,000
1.1	Land Cost Associated with Parking Lot	Not Included			
1.11	Cost Associated with Easement on CN Property	Not Included			
				SUB-TOTAL	\$ 106,100
2.0 - CN DRIVEWAY TO CEMERARY ENTRANCE					
2.1	Earthworks	100.00	m ³	10.00	\$ 1,000
2.2	New Asphalt Multiuse Trail	120.00	m ²	50.00	\$ 6,000
2.3	Utility Pole Relocation	1.00	LS	5,000.00	\$ 5,000
2.4	New Curb	60.00	m	120.00	\$ 7,200
2.5	Upgrades to Cemetery Entrance	1.00	LS	5,000.00	\$ 5,000
2.6	New Asphalt (Chisholm Modifications)	200.00	m ²	80.00	\$ 16,000
2.7	Misc. Roadway Modifications	1.00	LS	5,000.00	\$ 5,000
2.8	Landscaping	1.00	LS	1,000.00	\$ 1,000
				SUB-TOTAL	\$ 46,200
3.0 - CEMETERY: CHISHOLM TO WINDSOR					
3.1	Earthworks	500.00	m ³	10.00	\$ 5,000
3.2	New Asphalt Multiuse Trail	2,200.00	m ²	50.00	\$ 110,000
3.3	Upgrade Cemetery Entrance	1.00	LS	5,000.00	\$ 5,000
3.4	Landscaping	1.00	LS	10,000.00	\$ 10,000
3.5	Misc. Improvements Allowance	1.00	LS	10,000.00	\$ 10,000
				SUB-TOTAL	\$ 140,000
				SUB-TOTAL	\$ 292,300
				Misc Items (10%)	\$ 29,230
				SUB-TOTAL	\$ 321,530
				15% Contingency	\$ 48,230
				TOTAL	\$ 369,760

TOTAL DOES NOT INCLUDE HST.



COLTA - Options Analysis and Functional Design - COLTA to HUGA (Scot Street Connection)

Project Name: COLTA - Functional Alignments	Discipline: Civil	Revision: B01
SLI Project #: 020447	Client: HRM	Date: 28-Feb-12
Prepared By: RNB	Checked By: BML	Approved By: RNB

Item No.	Description	Approximate Quantity	Unit	Approximate Unit Price	Approximate Total Price
1.0 - WINDSOR STREET TO WINDSOR EXCHANGE					
1.1	Earthworks	4,000.00	m ³	10.00	\$ 40,000
1.2	New Asphalt Multiuse Trail	800.00	m ²	50.00	\$ 40,000
1.3	Guiderail Between Trail and Road	120.00	m	40.00	\$ 4,800
1.4	Remove Existing Right Turn Lane	1.00	LS	5,000.00	\$ 5,000
1.5	New Curb	150.00	m	120.00	\$ 18,000
1.6	New Asphalt	800.00	m ²	80.00	\$ 64,000
1.7	Misc Line Painting	80.00	m	5.00	\$ 400
1.8	Fencing Upgrading	100.00	m	50.00	\$ 5,000
1.9	Landscaping	1.00	LS	10,000.00	\$ 10,000
1.10	Median Modifications on Windsor	1.00	LS	20,000.00	\$ 20,000
				SUB-TOTAL	\$ 207,200
2.0 - WINDSOR EXCHANGE TO KEMPT ROAD					
2.1	Earthworks	100.00	m ³	10.00	\$ 1,000
2.2	New Asphalt Multiuse Trail	450.00	m ²	50.00	\$ 22,500
2.3	Modifications to Parking Lot - Car Dealership	1.00	LS	10,000.00	\$ 10,000
2.4	Misc Line Painting	50.00	m	5.00	\$ 250
2.5	Landscaping	1.00	LS	2,000.00	\$ 2,000
2.6	Cost Associated with Adjacent Lands	Not Included			
				SUB-TOTAL	\$ 35,750
3.0 - KEMPT ROAD TO MACKINTOSH AVENUE					
3.1	Earthworks	200.00	m ³	10.00	\$ 2,000
3.2	New Asphalt Multiuse Trail	620.00	m ²	50.00	\$ 31,000
3.3	Guiderail / Protection Between Trail and Road	200.00	m	40.00	\$ 8,000
3.4	Driveway Modifications / Access Management	6.00	each	10,000.00	\$ 60,000
3.5	Relocation of Bus Stop	1.00	LS	10,000.00	\$ 10,000
3.6	New Asphalt	200.00	m ²	80.00	\$ 16,000
3.7	Misc Line Painting	100.00	m	5.00	\$ 500
3.8	Landscaping	1.00	LS	4,000.00	\$ 4,000
3.9	Modifications at Mackintosh Intersection	1.00	LS	5,000.00	\$ 5,000
3.10	Misc. Modifications to Adjacent Property	1.00	LS	20,000.00	\$ 20,000
3.11	Costs Associated with Modifications to Adjacent Property / Land	Not Included			
3.12	Costs Associated with Traffic Signals	Not Included			
				SUB-TOTAL	\$ 156,500
4.0 - MACKINTOSH AVENUE TO HRM YARD					
4.1	Earthworks	200.00	m ³	10.00	\$ 2,000
4.2	New Asphalt Multiuse Trail	650.00	m ²	50.00	\$ 32,500
4.3	Guiderail / Protection Between Trail and Road	150.00	m	40.00	\$ 6,000
4.4	Driveway Modifications	2.00	each	5,000.00	\$ 10,000
4.5	New Curb	220.00	m	120.00	\$ 26,400
4.6	New Asphalt	400.00	m ²	80.00	\$ 32,000
4.7	Misc Line Painting	80.00	m	5.00	\$ 400
4.8	Landscaping	1.00	LS	5,000.00	\$ 5,000
4.9	Modifications at Bayne Street	1.00	LS	5,000.00	\$ 5,000
4.10	Relocation of Utility Poles and Hydrants	1.00	LS	10,000.00	\$ 10,000
4.11	Cost Associated with Lighting Under the Bridge	1.00	LS	5,000.00	\$ 5,000
4.12	Costs Associated with Modifications to Adjacent Property / Land	Not Included			
				SUB-TOTAL	\$ 134,300
5.0 - HRM YARD TO CONTAINER TERMINAL SERVICE ROAD					
5.1	Earthworks	2,000.00	m ³	10.00	\$ 20,000
5.2	New Asphalt Multiuse Trail	400.00	m ²	50.00	\$ 20,000
5.3	Parking Lot Modifications at HRM Yard	1.00	LS	10,000.00	\$ 10,000
5.4	Retaining Walls	1.00	LS	15,000.00	\$ 15,000

5.5	CN Rail Crossing	1.00	LS	20,000.00	\$	20,000
5.6	New Asphalt	150.00	m ²	80.00	\$	12,000
5.7	Misc Line Painting	50.00	m	5.00	\$	250
5.8	Landscaping	1.00	LS	10,000.00	\$	10,000
5.9	Crossing of Gravel Driveway	1.00	LS	5,000.00	\$	5,000
5.10	Costs Associated with Property Acquisition / Easements	Not Included				
				SUB-TOTAL	\$	112,250
6.0 - CONTAINER TERMINAL SERVICE ROAD TO SEAVIEW PARK						
6.1	Earthworks	7,000.00	m ³	10.00	\$	70,000
6.2	New Asphalt Multiuse Trail	4,000.00	m ²	50.00	\$	200,000
6.3	Misc. Accomodation of Utilities	1.00	LS	20,000.00	\$	20,000
6.4	Crossing of Service Road to Seaview Park	1.00	LS	5,000.00	\$	5,000
6.5	New Asphalt (Seaview Park)	200.00	m ²	80.00	\$	16,000
6.6	Costs Associated with Trail Upgrades within Seaview Park	Not Included				
6.7	Costs Associated with Property Acquisition / Easements	Not Included				
				SUB-TOTAL	\$	311,000
				SUB-TOTAL	\$	957,000
				<i>Misc Items (10%)</i>	\$	95,700
				SUB-TOTAL	\$	1,052,700
				<i>15% Contingency</i>	\$	157,905
				TOTAL	\$	1,210,605

TOTAL DOES NOT INCLUDE HST.



COLTA - Options Analysis and Functional Design - Bedford Highway Connection

Project Name: COLTA - Functional Alignments	Discipline: Civil	Revision: B01
SLI Project #: 020447	Client: HRM	Date: 28-Feb-12
Prepared By: RNB	Checked By: BML	Approved By: RNB

Item No.	Description	Approximate Quantity	Unit	Approximate Unit Price	Approximate Total Price
1.0 COLTA END TO DUTCH VILLAGE ROAD					
1.1	Earthworks	200.00	m ³	10.00	\$ 2,000
1.2	New Asphalt Multiuse Trail	400.00	m ²	50.00	\$ 20,000
1.3	Guiderail / Protection Between Trail and Road	130.00	m	40.00	\$ 5,200
1.4	Remove Existing Sidewalk	150.00	m	5.00	\$ 750
1.5	Driveway Upgrades / Access Management	3.00	each	10,000.00	\$ 30,000
1.6	Dutch Village Intersection Upgrades	1.00	LS	20,000.00	\$ 20,000
1.7	Misc Line Painting	100.00	m	5.00	\$ 500
1.8	Landscaping	1.00	LS	2,000.00	\$ 2,000
				SUB-TOTAL	\$ 80,450
2.0 JOSEPH HOWE TO MAIN AVENUE					
2.1	Earthworks	400.00	m ³	10.00	\$ 4,000
2.2	New Asphalt Multiuse Trail	900.00	m ²	50.00	\$ 45,000
2.3	Guiderail / Protection Between Trail and Road	250.00	m	40.00	\$ 10,000
2.4	Remove Existing Sidewalk	300.00	m	5.00	\$ 1,500
2.5	Driveway Upgrades	6.00	each	5,000.00	\$ 30,000
2.6	Misc Line Painting	20.00	m	5.00	\$ 100
2.7	Landscaping	1.00	LS	7,000.00	\$ 7,000
2.8	Costs Associated with Land Requirements	Not Included			
				SUB-TOTAL	\$ 97,600
3.0 MAIN AVENUE TO END (~500 metres)					
3.1	Earthworks	200.00	m ³	10.00	\$ 2,000
3.2	Rock Excavation / Removal	600.00	m ³	80.00	\$ 48,000
3.3	New Asphalt Multiuse Trail	1,500.00	m ²	70.00	\$ 105,000
3.4	Guiderail / Protection Between Trail and Road	400.00	m	40.00	\$ 16,000
3.5	Remove Existing Sidewalk	500.00	m	5.00	\$ 2,500
3.6	Costs Associated with Drainage	1.00	LS	50,000.00	\$ 50,000
3.7	Borrow	2,000.00	m ³	30.00	\$ 60,000
3.8	Landscaping	1.00	LS	10,000.00	\$ 10,000
				SUB-TOTAL	\$ 293,500
				SUB-TOTAL	\$ 471,550
				<i>Misc Items (10%)</i>	<i>\$ 47,155</i>
				SUB-TOTAL	\$ 518,705
				<i>15% Contingency</i>	<i>\$ 77,806</i>
				TOTAL	\$ 596,511

TOTAL DOES NOT INCLUDE HST.

