

Cost Estimate – Concrete Curb

Lower Yonge Precinct
Cost Estimate Summary

Road	From	To	Estimated Cost
Yonge Street	Queens Quay	Front Street	\$15,491,405
Yonge Street	Queens Quay	Harbour Street	\$3,565,771
Yonge Street	Harbour St.	Lake Shore Blvd. E.	\$5,683,275
Yonge Street	Lake Shore Blvd. E.	S. Rail Corridor	\$3,518,679
Yonge Street	S. Rail Corridor	N. Rail Corridor	\$1,559,149
Yonge Street	N. Rail Corridor	Front Street	\$1,164,531
Freeland Street	Queens Quay	Lake Shore Blvd. E.	\$5,303,484
Cooper Street	Queens Quay	The Esplanade	\$7,377,364
Cooper Street	Queens Quay	Lake Shore Blvd. E.	\$4,825,002
Church Street	N. Rail Corridor	The Esplanade	\$2,552,363
New Street	Queens Quay	Lake Shore Blvd. E.	\$3,610,863
Lower Jarvis Street	Queens Quay	Lake Shore Blvd. E.	\$4,508,413
Harbour Street	York Street	Lower Jarvis Street	\$15,080,729
Harbour Street	York Street	Bay Street	\$100,000
Harbour Street	Bay Street	Yonge Street	\$4,118,689
Harbour Street	Yonge Street	Freeland Street	\$3,590,789
Harbour Street	Freeland Street	Lower Jarvis Street	\$7,271,252
Lake Shore Blvd. E.	Yonge Street	Lower Jarvis Street	\$19,614,009
Lake Shore Blvd. E.	Yonge Street	Freeland Street	\$6,091,372
Lake Shore Blvd. E.	Freeland Street	Cooper Street	\$6,193,358
Lake Shore Blvd. E.	Cooper Street	Lower Jarvis Street	\$7,329,279
Gardiner Expwy. Ramps			\$55,060,881
TOTALS			\$126,047,148

Road: **Yonge Street**

From: Queens Quay

To: Harbour street

Length: 110 m

Width: 9.8 m

Assumptions:

Pavement Structure: Major Arterial
 Hot Mix Asphalt 90 mm
 PCC Concrete Base 250 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	300	\$105.00	\$31,500.00
PCC Concrete Base	m2	1078	\$64.00	\$68,992.00
Granular A	t	400	\$25.00	\$10,000.00
Asphalt for Cycle Track	t	110	\$110.00	\$12,100.00
Concrete for Cycle Track	m2	470	\$60.00	\$28,200.00
50mm Crushed Aggregate for Cycle Track	m2	470	\$25.00	\$11,750.00
Concrete Unit Pavers	m2	1100	\$200.00	\$220,000.00
Concrete base for Pavers	m2	1100	\$60.00	\$66,000.00
Concrete Curb and Gutter	m	220	\$120.00	\$26,400.00
Subdrain	m	220	\$40.00	\$8,800.00
Trunk Storm Sewer	m	110	\$1,000.00	\$110,000.00
Catchbasins	each	3	\$3,200.00	\$9,600.00
Catchbasin Manholes	each	3	\$8,500.00	\$25,500.00
250mm Catchbasin Leads	m	30	\$500.00	\$15,000.00
Soil Cells	m2	396	\$450.00	\$178,200.00
Planting Soil in Trench	m3	396	\$80.00	\$31,680.00
Trees	each	22	\$1,000.00	\$22,000.00
Illumination	each	5	\$25,000.00	\$125,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$20,000.00	\$20,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$20,000.00
Utility Relocations	LS	1	\$560,000.00	\$560,000.00
Sub-total Major Items				\$1,915,722.00
Minor Items (25% of Major Items)				\$478,930.50
Sub-total				\$2,394,652.50
Contingency (30% of Sub-total)				\$718,395.75
Engineering (15% of Sub-total)				\$359,197.88
TOTAL				\$3,472,246.13

Road: **Yonge Street**

Assumptions:

From: Harbour Street

Pavement Structure:

Major Arterial

To: Lake Shore Blvd

Hot Mix Asphalt

90 mm

Length: 150 m

PCC Concrete Base

250 mm

Width: 16 m

Granular A

150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	600	\$105.00	\$63,000.00
PCC Concrete Base	m2	2400	\$64.00	\$153,600.00
Granular A	t	900	\$25.00	\$22,500.00
Asphalt for Cycle Track	t	150	\$110.00	\$16,500.00
Concrete for Cycle Track	m2	630	\$60.00	\$37,800.00
50mm Crushed Aggregate for Cycle Track	m2	630	\$25.00	\$15,750.00
Concrete Unit Pavers	m2	1440	\$200.00	\$288,000.00
Concrete base for Pavers	m2	1440	\$60.00	\$86,400.00
Concrete Curb and Gutter	m	300	\$120.00	\$36,000.00
Subdrain	m	300	\$40.00	\$12,000.00
Trunk Storm Sewer	m	150	\$1,000.00	\$150,000.00
Catchbasins	each	3	\$3,200.00	\$9,600.00
Catchbasin Manholes	each	3	\$8,500.00	\$25,500.00
250mm Catchbasin Leads	m	50	\$500.00	\$25,000.00
Soil Cells	m2	540	\$450.00	\$243,000.00
Planting Soil in Trench	m3	540	\$80.00	\$43,200.00
Trees	each	30	\$1,000.00	\$30,000.00
Illumination	each	6	\$25,000.00	\$150,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$20,000.00	\$20,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Public Realm - West side of Yonge Street	m2	700	\$450.00	\$315,000.00
Public Realm - East side of Yonge Street	m2	1875	\$450.00	\$843,750.00
Utility Relocations	LS	1	\$140,000.00	\$140,000.00
Sub-total Major Items				\$3,051,600.00
Minor Items (25% of Major Items)				\$762,900.00
Sub-total				\$3,814,500.00
Contingency (30% of Sub-total)				\$1,144,350.00
Engineering (15% of Sub-total)				\$572,175.00
TOTAL				\$5,531,025.00

Road: **Yonge Street**

From: Lake Shore Blvd

To: Rail Corridor

Length: 180 m

Width: 16 m

Assumptions:

Pavement Structure: Major Arterial

Hot Mix Asphalt 90 mm

PCC Concrete Base 250 mm

Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	700	\$105.00	\$73,500.00
PCC Concrete Base	m2	2880	\$64.00	\$184,320.00
Granular A	t	1100	\$25.00	\$27,500.00
Asphalt for Cycle Track	t	180	\$110.00	\$19,800.00
Concrete for Cycle Track	m2	760	\$60.00	\$45,600.00
50mm Crushed Aggregate for Cycle Track	m2	760	\$25.00	\$19,000.00
Concrete Unit Pavers	m2	1300	\$200.00	\$260,000.00
Concrete base for Pavers	m2	1300	\$60.00	\$78,000.00
Concrete Curb and Gutter	m	360	\$120.00	\$43,200.00
Subdrain	m	360	\$40.00	\$14,400.00
Trunk Storm Sewer	m	180	\$1,000.00	\$180,000.00
Catchbasins	each	3.6	\$3,200.00	\$11,520.00
Catchbasin Manholes	each	3.6	\$8,500.00	\$30,600.00
250mm Catchbasin Leads	m	60	\$500.00	\$30,000.00
Soil Cells	m2	130	\$450.00	\$58,500.00
Planting Soil in Trench	m3	130	\$80.00	\$10,400.00
Trees	each	5	\$1,000.00	\$5,000.00
Illumination	each	8	\$25,000.00	\$200,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$20,000.00	\$20,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$305,000.00	\$305,000.00
Sub-total Major Items				\$1,941,340.00
Minor Items (25% of Major Items)				\$485,335.00
Sub-total				\$2,426,675.00
Contingency (30% of Sub-total)				\$728,002.50
Engineering (15% of Sub-total)				\$364,001.25
TOTAL				\$3,518,678.75

Road: **Yonge Street**
Rail Corridor

Assumptions:

Pavement Structure: Major Arterial
Hot Mix Asphalt 90 mm
PCC Concrete Base 250 mm
Granular A 150 mm

Length: 100 m

Width: 14.8 m

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	400	\$105.00	\$42,000.00
PCC Concrete Base	m2	1480	\$64.00	\$94,720.00
Granular A	t	600	\$25.00	\$15,000.00
Asphalt for Cycle Track	t	80	\$110.00	\$8,800.00
Concrete base for Cycle Track	m2	340	\$60.00	\$20,400.00
50mm Crushed Aggregate for Cycle Track	m2	340	\$25.00	\$8,500.00
Concrete Unit Pavers	m2	540	\$200.00	\$108,000.00
Concrete base for Pavers	m2	540	\$60.00	\$32,400.00
Concrete Curb and Gutter	m	200	\$120.00	\$24,000.00
Subdrain	m	200	\$40.00	\$8,000.00
Trunk Storm Sewer	m	100	\$1,000.00	\$100,000.00
Catchbasins	each	2	\$3,200.00	\$6,400.00
Catchbasin Manholes	each	2	\$8,500.00	\$17,000.00
250mm Catchbasin Leads	m	30	\$500.00	\$15,000.00
Soil Cells	m2	0	\$450.00	\$0.00
Planting Soil in Trench	m3	0	\$80.00	\$0.00
Trees	each	0	\$1,000.00	\$0.00
Illumination	each	4	\$25,000.00	\$100,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$10,000.00	\$10,000.00
Construction and Survey Layout	each	1	\$20,000.00	\$20,000.00
Bonds and Insurance Payment	each	1	\$20,000.00	\$20,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$5,000.00	\$5,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$5,000.00	\$5,000.00
Erosion and Sediment Control	each	1	\$5,000.00	\$5,000.00
Utility Relocations	LS	1	\$0.00	\$0.00
Sub-total Major Items				\$860,220.00
Minor Items (25% of Major Items)				\$215,055.00
Sub-total				\$1,075,275.00
Contingency (30% of Sub-total)				\$322,582.50
Engineering (15% of Sub-total)				\$161,291.25
TOTAL				\$1,559,148.75

Road: **Yonge Street**

From: Rail Corridor

To: Front Street

Length: 120 m

Width: 15.8 m

Assumptions:

Pavement Structure: Major Arterial

Hot Mix Asphalt 90 mm

PCC Concrete Base 250 mm

Granular A 150 mm

Assume that road will only be resurfaced, not reconstructed.

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	500	\$105.00	\$52,500.00
Concrete Unit Pavers	m2	600	\$200.00	\$120,000.00
Concrete base for Pavers	m2	600	\$60.00	\$36,000.00
Concrete Curb and Gutter	m	25	\$120.00	\$3,000.00
Subdrain	m	25	\$40.00	\$1,000.00
Illumination	each	8	\$25,000.00	\$200,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$10,000.00	\$10,000.00
Construction and Survey Layout	each	1	\$5,000.00	\$5,000.00
Bonds and Insurance Payment	each	1	\$10,000.00	\$10,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$10,000.00	\$10,000.00
Pre- and Post Construction Survey	each	1	\$10,000.00	\$10,000.00
Erosion and Sediment Control	each	1	\$5,000.00	\$5,000.00
Utility Relocations	LS	1	\$5,000.00	\$5,000.00
Sub-total Major Items				\$642,500.00
Minor Items (25% of Major Items)				\$160,625.00
Sub-total				\$803,125.00
Contingency (30% of Sub-total)				\$240,937.50
Engineering (15% of Sub-total)				\$120,468.75
TOTAL				\$1,164,531.25

Road: **Freeland Street**
 From: Queens Quay
 To: Lake Shore Blvd EB
 Length: 245 m
 Width: 8.5 m

Assumptions:
 Pavement Structure: Local w/Bus Route
 Hot Mix Asphalt 50 mm
 PCC Concrete Base 200 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	300	\$105.00	\$31,500.00
PCC Concrete Base	m2	2090	\$64.00	\$133,760.00
Granular A	t	800	\$25.00	\$20,000.00
Concrete Unit Pavers	m2	2850	\$200.00	\$570,000.00
Concrete base for Pavers	m2	2850	\$60.00	\$171,000.00
Concrete Curb and Gutter	m	490	\$120.00	\$58,800.00
Subdrain	m	490	\$40.00	\$19,600.00
Trunk Storm Sewer	m	245	\$1,000.00	\$245,000.00
Catchbasins	each	5	\$3,200.00	\$16,000.00
Catchbasin Manholes	each	5	\$8,500.00	\$42,500.00
250mm Catchbasin Leads	m	50	\$500.00	\$25,000.00
Soil Cells	m2	890	\$450.00	\$400,500.00
Planting Soil in Trench	m3	890	\$80.00	\$71,200.00
Trees	each	49	\$1,000.00	\$49,000.00
Illumination	each	10	\$25,000.00	\$250,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$20,000.00	\$20,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$340,000.00	\$340,000.00
Sub-total Major Items				\$2,788,860.00
Minor Items (25% of Major Items)				\$697,215.00
Sub-total				\$3,486,075.00
Contingency (30% of Sub-total)				\$1,045,822.50
Engineering (15% of Sub-total)				\$522,911.25
TOTAL				\$5,054,808.75

Road: **Cooper Street**
 From: Queens Quay
 To: Lake Shore Blvd EB
 Length: 230 m
 Width: 9.6 m

Assumptions:
 Pavement Structure: Collector w/Bus Route
 Hot Mix Asphalt 50 mm
 PCC Concrete Base 200 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	300	\$105.00	\$31,500.00
PCC Concrete Base	m2	2210	\$64.00	\$141,440.00
Granular A	t	800	\$25.00	\$20,000.00
Asphalt for Cycle Track	t	200	\$110.00	\$22,000.00
Concrete base for Cycle Track	m2	830	\$60.00	\$49,800.00
50mm Crushed Aggregate for Cycle Track	m2	830	\$25.00	\$20,750.00
Concrete Unit Pavers	m2	1710	\$200.00	\$342,000.00
Concrete base for Pavers	m2	1710	\$60.00	\$102,600.00
Concrete Curb and Gutter	m	460	\$120.00	\$55,200.00
Subdrain	m	460	\$40.00	\$18,400.00
Trunk Storm Sewer	m	230	\$1,000.00	\$230,000.00
Catchbasins	each	5	\$3,200.00	\$16,000.00
Catchbasin Manholes	each	5	\$8,500.00	\$42,500.00
250mm Catchbasin Leads	m	50	\$500.00	\$25,000.00
Soil Cells	m2	736	\$450.00	\$331,200.00
Planting Soil in Trench	m3	736	\$80.00	\$58,880.00
Trees	each	46	\$1,000.00	\$46,000.00
Illumination	each	10	\$25,000.00	\$250,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	0	\$25,000.00	\$0.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$20,000.00	\$20,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$410,000.00	\$410,000.00
Sub-total Major Items				\$2,533,270.00
Minor Items (25% of Major Items)				\$633,317.50
Sub-total				\$3,166,587.50
Contingency (30% of Sub-total)				\$949,976.25
Engineering (15% of Sub-total)				\$474,988.13
TOTAL				\$4,591,551.88

Road: **Church Street**

Assumptions:

From: North Tunnel

Pavement Structure:

Collector w/Bus
Route

To: The Esplanade

Hot Mix Asphalt

50 mm

Length: 100 m

PCC Concrete Base

200 mm

Width: 12 m

Granular A

150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	200	\$105.00	\$21,000.00
PCC Concrete Base	m2	1200	\$64.00	\$76,800.00
Granular A	t	500	\$25.00	\$12,500.00
Asphalt for Cycle Track	t	100	\$110.00	\$11,000.00
Concrete base for Cycle Track	m2	420	\$60.00	\$25,200.00
50mm Crushed Aggregate for Cycle Track	m2	420	\$25.00	\$10,500.00
Concrete Unit Pavers	m2	660	\$200.00	\$132,000.00
Concrete base for Pavers	m2	660	\$60.00	\$39,600.00
Concrete Curb and Gutter	m	200	\$120.00	\$24,000.00
Subdrain	m	200	\$40.00	\$8,000.00
Trunk Storm Sewer	m	100	\$1,000.00	\$100,000.00
Catchbasins	each	2	\$3,200.00	\$6,400.00
Catchbasin Manholes	each	2	\$8,500.00	\$17,000.00
250mm Catchbasin Leads	m	24	\$500.00	\$12,000.00
Soil Cells	m2	240	\$450.00	\$108,000.00
Planting Soil in Trench	m3	240	\$80.00	\$19,200.00
Trees	each	20	\$1,000.00	\$20,000.00
Illumination	each	4	\$25,000.00	\$100,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$315,000.00	\$315,000.00
Sub-total Major Items				\$1,408,200.00
Minor Items (25% of Major Items)				\$352,050.00
Sub-total				\$1,760,250.00
Contingency (30% of Sub-total)				\$528,075.00
Engineering (15% of Sub-total)				\$264,037.50
TOTAL				\$2,552,362.50

Road: "New" Street
 From: Queens Quay
 To: Lake Shore Blvd EB
 Length: 200 m
 Width: 8.5 m

Assumptions:

Pavement Structure: Local w/Bus Route
 Hot Mix Asphalt 50 mm
 PCC Concrete Base 200 mm
 Granular A 150 mm

Note: Construction assumed to be 'greenfield'.

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	300	\$105.00	\$31,500.00
PCC Concrete Base	m2	1700	\$64.00	\$108,800.00
Granular A	t	700	\$25.00	\$17,500.00
Concrete Unit Pavers	m2	2300	\$200.00	\$460,000.00
Concrete base for Pavers	m2	2300	\$60.00	\$138,000.00
Concrete Curb and Gutter	m	400	\$120.00	\$48,000.00
Subdrain	m	400	\$40.00	\$16,000.00
Trunk Storm Sewer	m	200	\$1,000.00	\$200,000.00
Catchbasins	each	4	\$3,200.00	\$12,800.00
Catchbasin Manholes	each	4	\$8,500.00	\$34,000.00
250mm Catchbasin Leads	m	34	\$500.00	\$17,000.00
Soil Cells	m2	720	\$450.00	\$324,000.00
Planting Soil in Trench	m3	720	\$80.00	\$57,600.00
Trees	each	40	\$1,000.00	\$40,000.00
Illumination	each	8	\$25,000.00	\$200,000.00
Traffic Signals	each	0	\$150,000.00	\$0.00
Temporary Traffic Signals	each	0	\$25,000.00	\$0.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$0.00	\$0.00
Sub-total Major Items				\$1,880,200.00
Minor Items (25% of Major Items)				\$470,050.00
Sub-total				\$2,350,250.00
Contingency (30% of Sub-total)				\$705,075.00
Engineering (15% of Sub-total)				\$352,537.50
TOTAL				\$3,407,862.50

Road: **Jarvis Street**
 From: Queens Quay
 To: Lake Shore Blvd EB
 Length: 200 m
 Width: 14 m

Assumptions:
 Pavement Structure: Minor Arterial
 Hot Mix Asphalt 90 mm
 PCC Concrete Base 250 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	700	\$105.00	\$73,500.00
PCC Concrete Base	m2	2800	\$64.00	\$179,200.00
Granular A	t	1100	\$25.00	\$27,500.00
Asphalt for Cycle Track	t	220	\$110.00	\$24,200.00
Concrete base for Cycle Track	m2	920	\$60.00	\$55,200.00
50mm Crushed Aggregate for Cycle Track	m2	920	\$25.00	\$23,000.00
Concrete Unit Pavers	m2	1640	\$200.00	\$328,000.00
Concrete base for Pavers	m2	1640	\$60.00	\$98,400.00
Concrete Curb and Gutter	m	400	\$120.00	\$48,000.00
Subdrain	m	400	\$40.00	\$16,000.00
Trunk Storm Sewer	m	200	\$1,000.00	\$200,000.00
Catchbasins	each	4	\$3,200.00	\$12,800.00
Catchbasin Manholes	each	4	\$8,500.00	\$34,000.00
250mm Catchbasin Leads	m	56	\$500.00	\$28,000.00
Soil Cells	m2	920	\$450.00	\$414,000.00
Planting Soil in Trench	m3	920	\$80.00	\$73,600.00
Trees	each	40	\$1,000.00	\$40,000.00
Illumination	each	8	\$25,000.00	\$200,000.00
Traffic Signals	each	2	\$150,000.00	\$300,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$0.00	\$0.00
Sub-total Major Items				\$2,375,400.00
Minor Items (25% of Major Items)				\$593,850.00
Sub-total				\$2,969,250.00
Contingency (30% of Sub-total)				\$890,775.00
Engineering (15% of Sub-total)				\$445,387.50
TOTAL				\$4,305,412.50

Road: **Harbour Street**

From: Bay Street

To: Yonge Street

Length: 220 m

Width: 9.9 m

Assumptions:

Pavement Structure:

Major Arterial

Hot Mix Asphalt

90 mm

PCC Concrete Base

250 mm

Granular A

0 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	500	\$105.00	\$52,500.00
PCC Concrete Base	m2	0	\$64.00	\$0.00
Granular A	t	0	\$25.00	\$0.00
Asphalt for Cycle Track	t	210	\$110.00	\$27,500.00
Concrete for Cycle Track	m2	880	\$60.00	\$52,800.00
50mm Crushed Aggregate for Cycle Track	m2	880	\$25.00	\$22,000.00
Concrete Unit Pavers	m2	2552	\$200.00	\$510,400.00
Concrete base for Pavers	m2	2552	\$60.00	\$153,120.00
Concrete Curb and Gutter	m	220	\$120.00	\$26,400.00
Subdrain	m	220	\$40.00	\$8,800.00
Trunk Storm Sewer	m	110	\$1,000.00	\$110,000.00
Catchbasins	each	3	\$3,200.00	\$9,600.00
Catchbasin Manholes	each	3	\$8,500.00	\$25,500.00
250mm Catchbasin Leads	m	30	\$500.00	\$15,000.00
Soil Cells	m2	792	\$450.00	\$356,400.00
Planting Soil in Trench	m3	792	\$80.00	\$63,360.00
Trees	each	44	\$1,000.00	\$44,000.00
Illumination	each	9	\$25,000.00	\$225,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$10,000.00	\$10,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$25,000.00	\$25,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Monitor Ex. Structures during Construction	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$210,000.00	\$210,000.00
Sub-total Major Items				\$2,272,380.00
Minor Items (25% of Major Items)				\$568,095.00
Sub-total				\$2,840,475.00
Contingency (30% of Sub-total)				\$852,142.50
Engineering (15% of Sub-total)				\$426,071.25
TOTAL				\$4,118,688.75

Road: **Harbour Street**

From: Yonge Street

To: Freeland Street

Length: 155 m

Width: 9.9 m

Assumptions:

Pavement Structure: Collector

Hot Mix Asphalt 50 mm

PCC Concrete Base 200 mm

Granular A 150 mm

NOTE: Assumed to be constructed as 'greenfield'

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	200	\$105.00	\$21,000.00
PCC Concrete Base	m2	1600	\$64.00	\$102,400.00
Granular A	t	600	\$25.00	\$15,000.00
Asphalt for Cycle Track	t	110	\$110.00	\$27,500.00
Concrete for Cycle Track	m2	470	\$60.00	\$28,200.00
50mm Crushed Aggregate for Cycle Track	m2	465	\$25.00	\$11,625.00
Concrete Unit Pavers	m2	2190	\$200.00	\$438,000.00
Concrete base for Pavers	m2	2190	\$60.00	\$131,400.00
Concrete Curb and Gutter	m	310	\$120.00	\$37,200.00
Subdrain	m	310	\$40.00	\$12,400.00
Trunk Storm Sewer	m	155	\$1,000.00	\$155,000.00
Catchbasins	each	4	\$3,200.00	\$12,800.00
Catchbasin Manholes	each	4	\$8,500.00	\$34,000.00
250mm Catchbasin Leads	m	40	\$500.00	\$20,000.00
Soil Cells	m2	560	\$450.00	\$252,000.00
Planting Soil in Trench	m3	560	\$80.00	\$44,800.00
Trees	each	31	\$1,000.00	\$31,000.00
Illumination	each	7	\$25,000.00	\$175,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$20,000.00	\$20,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Post Construction Survey	each	1	\$10,000.00	\$10,000.00
Erosion and Sediment Control	each	1	\$20,000.00	\$20,000.00
Utility Relocations	LS	1	\$0.00	\$0.00
Sub-total Major Items				\$1,894,325.00
Minor Items (25% of Major Items)				\$473,581.25
Sub-total				\$2,367,906.25
Contingency (30% of Sub-total)				\$710,371.88
Engineering (15% of Sub-total)				\$355,185.94
TOTAL				\$3,433,464.06

Road: **Harbour Street**

From: Freeland Street

To: Jarvis Street

Length: 355 m

Width: 9.9 m

Assumptions:

Pavement Structure: Collector

Hot Mix Asphalt 50 mm

PCC Concrete Base 200 mm

Granular A 150 mm

NOTE: Assumed to be constructed as 'greenfield'

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	500	\$105.00	\$52,500.00
PCC Concrete Base	m2	3600	\$64.00	\$230,400.00
Granular A	t	1300	\$25.00	\$32,500.00
Asphalt for Cycle Track	t	250	\$110.00	\$27,500.00
Concrete for Cycle Track	m2	1070	\$60.00	\$64,200.00
50mm Crushed Aggregate for Cycle Track	m2	1065	\$25.00	\$26,625.00
Concrete Unit Pavers	m2	5010	\$200.00	\$1,002,000.00
Concrete base for Pavers	m2	5010	\$60.00	\$300,600.00
Concrete Curb and Gutter	m	710	\$120.00	\$85,200.00
Subdrain	m	710	\$40.00	\$28,400.00
Trunk Storm Sewer	m	355	\$1,000.00	\$355,000.00
Catchbasins	each	8	\$3,200.00	\$25,600.00
Catchbasin Manholes	each	8	\$8,500.00	\$68,000.00
250mm Catchbasin Leads	m	80	\$500.00	\$40,000.00
Soil Cells	m2	1280	\$450.00	\$576,000.00
Planting Soil in Trench	m3	1280	\$80.00	\$102,400.00
Trees	each	71	\$1,000.00	\$71,000.00
Illumination	each	15	\$25,000.00	\$375,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS		\$0.00	\$0.00
Sub-total Major Items				\$3,812,925.00
Minor Items (25% of Major Items)				\$953,231.25
Sub-total				\$4,766,156.25
Contingency (30% of Sub-total)				\$1,429,846.88
Engineering (15% of Sub-total)				\$714,923.44
TOTAL				\$6,910,926.56

Road: **Lake Shore Blvd EB**

From: Yonge Street

To: Freeland Street

Length: 160 m

Width: 10.3 m

Assumptions:

Pavement Structure: Major Arterial

Hot Mix Asphalt 90 mm

PCC Concrete Base 250 mm

Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	400	\$105.00	\$42,000.00
PCC Concrete Base	m2	1648	\$64.00	\$105,472.00
Granular A	t	600	\$25.00	\$15,000.00
Concrete Unit Pavers	m2	930	\$200.00	\$186,000.00
Concrete base for Pavers	m2	930	\$60.00	\$55,800.00
Concrete Curb and Gutter	m	320	\$120.00	\$38,400.00
Subdrain	m	320	\$40.00	\$12,800.00
Trunk Storm Sewer	m	160	\$1,000.00	\$160,000.00
Catchbasins	each	4	\$3,200.00	\$12,800.00
Catchbasin Manholes	each	4	\$8,500.00	\$34,000.00
250mm Catchbasin Leads	m	50	\$500.00	\$25,000.00
Soil Cells	m2	368	\$450.00	\$165,600.00
Planting Soil in Trench	m3	368	\$80.00	\$29,440.00
Trees	each	32	\$1,000.00	\$32,000.00
Illumination	each	7	\$25,000.00	\$175,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Monitor Ex. Structures during Construction	each	1	\$10,000.00	\$10,000.00
Erosion and Sediment Control	each	1	\$20,000.00	\$20,000.00
Public Realm	m2	2350	\$450.00	\$1,057,500.00
Utility Relocations	each	1	\$345,000.00	\$345,000.00
Access and Protection	each	1	\$250,000.00	\$250,000.00
Sub-total Major Items				\$3,111,812.00
Provisions for public realm improvements (10%)				\$311,181.20
Minor Items (25% of Major Items)				\$777,953.00
Sub-total				\$4,200,946.20
Contingency (30% of Sub-total)				\$1,260,283.86
Engineering (15% of Sub-total)				\$630,141.93
TOTAL				\$6,091,371.99

Road: **Lake Shore Blvd EB**
 From: Freeland Street
 To: Cooper Street
 Length: 160 m
 Width: 10.3 m

Assumptions:

Pavement Structure: Major Arterial
 Hot Mix Asphalt 90 mm
 PCC Concrete Base 250 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	400	\$105.00	\$42,000.00
PCC Concrete Base	m2	1648	\$64.00	\$105,472.00
Granular A	t	600	\$25.00	\$15,000.00
Concrete Unit Pavers	m2	890	\$200.00	\$178,000.00
Concrete base for Pavers	m2	890	\$60.00	\$53,400.00
Concrete Curb and Gutter	m	320	\$120.00	\$38,400.00
Subdrain	m	320	\$40.00	\$12,800.00
Trunk Storm Sewer	m	160	\$1,000.00	\$160,000.00
Catchbasins	each	4	\$3,200.00	\$12,800.00
Catchbasin Manholes	each	4	\$8,500.00	\$34,000.00
250mm Catchbasin Leads	m	50	\$500.00	\$25,000.00
Soil Cells	m2	368	\$450.00	\$165,600.00
Planting Soil in Trench	m3	368	\$80.00	\$29,440.00
Trees	each	32	\$1,000.00	\$32,000.00
Illumination	each	7	\$25,000.00	\$175,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Temporary Parking Lot	each	1	\$50,000.00	\$50,000.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Monitor Ex. Structures during Construction	each	1	\$10,000.00	\$10,000.00
Erosion and Sediment Control	each	1	\$20,000.00	\$20,000.00
Public Realm	m2	2000	\$450.00	\$900,000.00
Utility Relocations	LS	1	\$265,000.00	\$265,000.00
Access and Protection	each	1	\$500,000.00	\$500,000.00
Sub-total Major Items				\$3,163,912.00
Provisions for public realm improvements (10%)				\$316,391.20
Minor Items (25% of Major Items)				\$790,978.00
Sub-total				\$4,271,281.20
Contingency (30% of Sub-total)				\$1,281,384.36
Engineering (15% of Sub-total)				\$640,692.18
TOTAL				\$6,193,357.74

Road: **Lake Shore Blvd EB**

From: Cooper Street

To: Jarvis Street

Length: 220 m

Width: 10.3 m

Assumptions:

Pavement Structure: Major Arterial
 Hot Mix Asphalt 90 mm
 PCC Concrete Base 250 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	600	\$105.00	\$63,000.00
PCC Concrete Base	m2	2266	\$64.00	\$145,024.00
Granular A	t	900	\$25.00	\$22,500.00
Concrete Unit Pavers	m2	1010	\$200.00	\$202,000.00
Concrete base for Pavers	m2	1010	\$60.00	\$60,600.00
Concrete Curb and Gutter	m	440	\$120.00	\$52,800.00
Subdrain	m	440	\$40.00	\$17,600.00
Trunk Storm Sewer	m	220	\$1,000.00	\$220,000.00
Catchbasins	each	5	\$3,200.00	\$16,000.00
Catchbasin Manholes	each	5	\$8,500.00	\$42,500.00
250mm Catchbasin Leads	m	60	\$500.00	\$30,000.00
Soil Cells	m2	506	\$450.00	\$227,700.00
Planting Soil in Trench	m3	506	\$80.00	\$40,480.00
Trees	each	44	\$1,000.00	\$44,000.00
Illumination	each	9	\$25,000.00	\$225,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Temporary Parking Lot	each	1	\$75,000.00	\$75,000.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Monitor Ex. Structures during Construction	each	1	\$10,000.00	\$10,000.00
Erosion and Sediment Control	each	1	\$20,000.00	\$20,000.00
Public Realm	m2	2500	\$450.00	\$1,125,000.00
Utility Relocations	LS	1	\$265,000.00	\$265,000.00
Access and Protection	each	1	\$500,000.00	\$500,000.00
Sub-total Major Items				\$3,744,204.00
Provisions for public realm improvements (10%)				\$374,420.40
Minor Items (25% of Major Items)				\$936,051.00
Sub-total				\$5,054,675.40
Contingency (30% of Sub-total)				\$1,516,402.62
Engineering (15% of Sub-total)				\$758,201.31
TOTAL				\$7,329,279.33

Road: **Gardiner Off-ramp**

From: EB Gardiner

To: Yonge Street

Length: 270 m

Assumptions:

1. Includes removal of Bay St. on-ramp to EB Gardiner
2. Includes removal of existing EB off-ramp
3. Based on YBY Tender Estimate Report unit rates

Description	Units	Quantity	Unit Price	Cost
General Items	LS	1	\$1,000,000.00	\$1,000,000.00
Access and Protection	LS	1	\$2,000,000.00	\$2,000,000.00
Roadway Protection and Shoring	LS	1	\$200,000.00	\$200,000.00
Removal of Bay Street on-ramp	m2	3100	\$2,000.00	\$6,200,000.00
Removal of Gardiner off-ramp	m2	4100	\$2,000.00	\$8,200,000.00
General Municipal Works	LS	1	\$50,000.00	\$50,000.00
Traffic Signals	LS	1	\$150,000.00	\$150,000.00
New Off-ramp to Yonge Street	m2	3000	\$3,500.00	\$10,500,000.00
Streetscape under New Ramp	LS	1	\$200,000.00	\$200,000.00
Concrete Sidewalk	m2	380	\$60.00	\$22,800.00
Trunk Storm Sewer	m	270	\$1,000.00	\$270,000.00
Catchbasins	each	10	\$3,200.00	\$32,000.00
Catchbasin Manholes	each	10	\$8,500.00	\$85,000.00
250mm Catchbasin Leads	m	1000	\$500.00	\$500,000.00
Illumination	each	20	\$25,000.00	\$500,000.00
Public Realm	m2	1040	\$450.00	\$468,000.00
Property Costs (33 Bay Street)	LS	1	\$3,417,636.74	\$3,417,636.74
Utility Relocations				\$1,500,000.00
Sub-total Major Items				\$35,295,436.74
Minor Items (20% of Major Items)				\$7,059,087.35
Sub-total				\$42,354,524.08
Contingency (20% of Sub-total)				\$8,470,904.82
Engineering (10% of Sub-total)				\$4,235,452.41
TOTAL				\$55,060,881.31

Cost Estimate – Granite Curb

Lower Yonge Precinct
Cost Estimate Summary

Road	From	To	Estimated Cost
Yonge Street	Queens Quay	Front Street	\$15,491,405
Yonge Street	Queens Quay	Harbour Street	\$3,565,771
Yonge Street	Harbour St.	Lake Shore Blvd. E.	\$5,683,275
Yonge Street	Lake Shore Blvd. E.	S. Rail Corridor	\$3,518,679
Yonge Street	S. Rail Corridor	N. Rail Corridor	\$1,559,149
Yonge Street	N. Rail Corridor	Front Street	\$1,164,531
Freeland Street	Queens Quay	Lake Shore Blvd. E.	\$5,303,484
Cooper Street	Queens Quay	The Esplanade	\$7,377,364
Cooper Street	Queens Quay	Lake Shore Blvd. E.	\$4,825,002
Church Street	N. Rail Corridor	The Esplanade	\$2,552,363
New Street	Queens Quay	Lake Shore Blvd. E.	\$3,610,863
Lower Jarvis Street	Queens Quay	Lake Shore Blvd. E.	\$4,508,413
Harbour Street	York Street	Lower Jarvis Street	\$15,080,729
Harbour Street	York Street	Bay Street	\$100,000
Harbour Street	Bay Street	Yonge Street	\$4,118,689
Harbour Street	Yonge Street	Freeland Street	\$3,590,789
Harbour Street	Freeland Street	Lower Jarvis Street	\$7,271,252
Lake Shore Blvd. E.	Yonge Street	Lower Jarvis Street	\$19,614,009
Lake Shore Blvd. E.	Yonge Street	Freeland Street	\$6,091,372
Lake Shore Blvd. E.	Freeland Street	Cooper Street	\$6,193,358
Lake Shore Blvd. E.	Cooper Street	Lower Jarvis Street	\$7,329,279
Gardiner Expwy. Ramps			\$55,060,881
TOTALS			\$126,047,148

Road: **Yonge Street**
 From: Queens Quay
 To: Harbour street
 Length: 110 m
 Width: 9.8 m

Assumptions:
 Pavement Structure: Major Arterial
 Hot Mix Asphalt 90 mm
 PCC Concrete Base 250 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	300	\$105.00	\$31,500.00
PCC Concrete Base	m2	1078	\$64.00	\$68,992.00
Granular A	t	400	\$25.00	\$10,000.00
Asphalt for Cycle Track	t	110	\$110.00	\$12,100.00
Concrete for Cycle Track	m2	470	\$60.00	\$28,200.00
50mm Crushed Aggregate for Cycle Track	m2	470	\$25.00	\$11,750.00
Concrete Unit Pavers	m2	1100	\$200.00	\$220,000.00
Concrete base for Pavers	m2	1100	\$60.00	\$66,000.00
Granite Curb and Gutter	m	220	\$400.00	\$88,000.00
Subdrain	m	220	\$40.00	\$8,800.00
Trunk Storm Sewer	m	110	\$1,000.00	\$110,000.00
Catchbasins	each	3	\$3,200.00	\$9,600.00
Catchbasin Manholes	each	3	\$8,500.00	\$25,500.00
250mm Catchbasin Leads	m	30	\$500.00	\$15,000.00
Soil Cells	m2	396	\$450.00	\$178,200.00
Planting Soil in Trench	m3	396	\$80.00	\$31,680.00
Trees	each	22	\$1,000.00	\$22,000.00
Illumination	each	5	\$25,000.00	\$125,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$20,000.00	\$20,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$560,000.00	\$560,000.00
Sub-total Major Items				\$1,967,322.00
Minor Items (25% of Major Items)				\$491,830.50
Sub-total				\$2,459,152.50
Contingency (30% of Sub-total)				\$737,745.75
Engineering (15% of Sub-total)				\$368,872.88
TOTAL				\$3,565,771.13

Road: **Yonge Street**
 From: Harbour Street
 To: Lake Shore Blvd
 Length: 150 m
 Width: 16 m

Assumptions:
 Pavement Structure: Major Arterial
 Hot Mix Asphalt 90 mm
 PCC Concrete Base 250 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	600	\$105.00	\$63,000.00
PCC Concrete Base	m2	2400	\$64.00	\$153,600.00
Granular A	t	900	\$25.00	\$22,500.00
Asphalt for Cycle Track	t	150	\$110.00	\$16,500.00
Concrete for Cycle Track	m2	630	\$60.00	\$37,800.00
50mm Crushed Aggregate for Cycle Track	m2	630	\$25.00	\$15,750.00
Concrete Unit Pavers	m2	1440	\$200.00	\$288,000.00
Concrete base for Pavers	m2	1440	\$60.00	\$86,400.00
Granite Curb and Gutter	m	300	\$400.00	\$120,000.00
Subdrain	m	300	\$40.00	\$12,000.00
Trunk Storm Sewer	m	150	\$1,000.00	\$150,000.00
Catchbasins	each	3	\$3,200.00	\$9,600.00
Catchbasin Manholes	each	3	\$8,500.00	\$25,500.00
250mm Catchbasin Leads	m	50	\$500.00	\$25,000.00
Soil Cells	m2	540	\$450.00	\$243,000.00
Planting Soil in Trench	m3	540	\$80.00	\$43,200.00
Trees	each	30	\$1,000.00	\$30,000.00
Illumination	each	6	\$25,000.00	\$150,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$20,000.00	\$20,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Public Realm - West side of Yonge Street	m2	700	\$450.00	\$315,000.00
Public Realm - East side of Yonge Street	m2	1875	\$450.00	\$843,750.00
Utility Relocations	LS	1	\$140,000.00	\$140,000.00
Sub-total Major Items				\$3,135,600.00
Minor Items (25% of Major Items)				\$783,900.00
Sub-total				\$3,919,500.00
Contingency (30% of Sub-total)				\$1,175,850.00
Engineering (15% of Sub-total)				\$587,925.00
TOTAL				\$5,683,275.00

Road: **Yonge Street**
 From: Lake Shore Blvd
 To: Rail Corridor
 Length: 180 m
 Width: 16 m

Assumptions:
 Pavement Structure: Major Arterial
 Hot Mix Asphalt 90 mm
 PCC Concrete Base 250 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	700	\$105.00	\$73,500.00
PCC Concrete Base	m2	2880	\$64.00	\$184,320.00
Granular A	t	1100	\$25.00	\$27,500.00
Asphalt for Cycle Track	t	180	\$110.00	\$19,800.00
Concrete for Cycle Track	m2	760	\$60.00	\$45,600.00
50mm Crushed Aggregate for Cycle Track	m2	760	\$25.00	\$19,000.00
Concrete Unit Pavers	m2	1300	\$200.00	\$260,000.00
Concrete base for Pavers	m2	1300	\$60.00	\$78,000.00
Concrete Curb and Gutter	m	360	\$120.00	\$43,200.00
Subdrain	m	360	\$40.00	\$14,400.00
Trunk Storm Sewer	m	180	\$1,000.00	\$180,000.00
Catchbasins	each	3.6	\$3,200.00	\$11,520.00
Catchbasin Manholes	each	3.6	\$8,500.00	\$30,600.00
250mm Catchbasin Leads	m	60	\$500.00	\$30,000.00
Soil Cells	m2	130	\$450.00	\$58,500.00
Planting Soil in Trench	m3	130	\$80.00	\$10,400.00
Trees	each	5	\$1,000.00	\$5,000.00
Illumination	each	8	\$25,000.00	\$200,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$20,000.00	\$20,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$305,000.00	\$305,000.00
Sub-total Major Items				\$1,941,340.00
Minor Items (25% of Major Items)				\$485,335.00
Sub-total				\$2,426,675.00
Contingency (30% of Sub-total)				\$728,002.50
Engineering (15% of Sub-total)				\$364,001.25
TOTAL				\$3,518,678.75

Road: **Yonge Street**
Rail Corridor

Assumptions:

Pavement Structure: Major Arterial
Hot Mix Asphalt 90 mm
PCC Concrete Base 250 mm
Granular A 150 mm

Length: 100 m

Width: 14.8 m

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	400	\$105.00	\$42,000.00
PCC Concrete Base	m2	1480	\$64.00	\$94,720.00
Granular A	t	600	\$25.00	\$15,000.00
Asphalt for Cycle Track	t	80	\$110.00	\$8,800.00
Concrete base for Cycle Track	m2	340	\$60.00	\$20,400.00
50mm Crushed Aggregate for Cycle Track	m2	340	\$25.00	\$8,500.00
Concrete Unit Pavers	m2	540	\$200.00	\$108,000.00
Concrete base for Pavers	m2	540	\$60.00	\$32,400.00
Concrete Curb and Gutter	m	200	\$120.00	\$24,000.00
Subdrain	m	200	\$40.00	\$8,000.00
Trunk Storm Sewer	m	100	\$1,000.00	\$100,000.00
Catchbasins	each	2	\$3,200.00	\$6,400.00
Catchbasin Manholes	each	2	\$8,500.00	\$17,000.00
250mm Catchbasin Leads	m	30	\$500.00	\$15,000.00
Soil Cells	m2	0	\$450.00	\$0.00
Planting Soil in Trench	m3	0	\$80.00	\$0.00
Trees	each	0	\$1,000.00	\$0.00
Illumination	each	4	\$25,000.00	\$100,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$10,000.00	\$10,000.00
Construction and Survey Layout	each	1	\$20,000.00	\$20,000.00
Bonds and Insurance Payment	each	1	\$20,000.00	\$20,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$5,000.00	\$5,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$5,000.00	\$5,000.00
Erosion and Sediment Control	each	1	\$5,000.00	\$5,000.00
Utility Relocations	LS	1	\$0.00	\$0.00
Sub-total Major Items				\$860,220.00
Minor Items (25% of Major Items)				\$215,055.00
Sub-total				\$1,075,275.00
Contingency (30% of Sub-total)				\$322,582.50
Engineering (15% of Sub-total)				\$161,291.25
TOTAL				\$1,559,148.75

Road: **Yonge Street**

From: Rail Corridor

To: Front Street

Length: 120 m

Width: 15.8 m

Assumptions:

Pavement Structure: Major Arterial

Hot Mix Asphalt 90 mm

PCC Concrete Base 250 mm

Granular A 150 mm

Assume that road will only be resurfaced, not reconstructed.

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	500	\$105.00	\$52,500.00
Concrete Unit Pavers	m2	600	\$200.00	\$120,000.00
Concrete base for Pavers	m2	600	\$60.00	\$36,000.00
Concrete Curb and Gutter	m	25	\$120.00	\$3,000.00
Subdrain	m	25	\$40.00	\$1,000.00
Illumination	each	8	\$25,000.00	\$200,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$10,000.00	\$10,000.00
Construction and Survey Layout	each	1	\$5,000.00	\$5,000.00
Bonds and Insurance Payment	each	1	\$10,000.00	\$10,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$10,000.00	\$10,000.00
Pre- and Post Construction Survey	each	1	\$10,000.00	\$10,000.00
Erosion and Sediment Control	each	1	\$5,000.00	\$5,000.00
Utility Relocations	LS	1	\$5,000.00	\$5,000.00
Sub-total Major Items				\$642,500.00
Minor Items (25% of Major Items)				\$160,625.00
Sub-total				\$803,125.00
Contingency (30% of Sub-total)				\$240,937.50
Engineering (15% of Sub-total)				\$120,468.75
TOTAL				\$1,164,531.25

Road: **Freeland Street**
 From: Queens Quay
 To: Lake Shore Blvd EB
 Length: 245 m
 Width: 8.5 m

Assumptions:
 Pavement Structure: Local w/Bus Route
 Hot Mix Asphalt 50 mm
 PCC Concrete Base 200 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	300	\$105.00	\$31,500.00
PCC Concrete Base	m2	2090	\$64.00	\$133,760.00
Granular A	t	800	\$25.00	\$20,000.00
Concrete Unit Pavers	m2	2850	\$200.00	\$570,000.00
Concrete base for Pavers	m2	2850	\$60.00	\$171,000.00
Granite Curb and Gutter	m	490	\$400.00	\$196,000.00
Subdrain	m	490	\$40.00	\$19,600.00
Trunk Storm Sewer	m	245	\$1,000.00	\$245,000.00
Catchbasins	each	5	\$3,200.00	\$16,000.00
Catchbasin Manholes	each	5	\$8,500.00	\$42,500.00
250mm Catchbasin Leads	m	50	\$500.00	\$25,000.00
Soil Cells	m2	890	\$450.00	\$400,500.00
Planting Soil in Trench	m3	890	\$80.00	\$71,200.00
Trees	each	49	\$1,000.00	\$49,000.00
Illumination	each	10	\$25,000.00	\$250,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$20,000.00	\$20,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$340,000.00	\$340,000.00
Sub-total Major Items				\$2,926,060.00
Minor Items (25% of Major Items)				\$731,515.00
Sub-total				\$3,657,575.00
Contingency (30% of Sub-total)				\$1,097,272.50
Engineering (15% of Sub-total)				\$548,636.25
TOTAL				\$5,303,483.75

Road: **Cooper Street**
 From: Queens Quay
 To: Lake Shore Blvd EB
 Length: 230 m
 Width: 9.6 m

Assumptions:

Pavement Structure: Collector w/Bus Route
 Hot Mix Asphalt 50 mm
 PCC Concrete Base 200 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	300	\$105.00	\$31,500.00
PCC Concrete Base	m2	2210	\$64.00	\$141,440.00
Granular A	t	800	\$25.00	\$20,000.00
Asphalt for Cycle Track	t	200	\$110.00	\$22,000.00
Concrete base for Cycle Track	m2	830	\$60.00	\$49,800.00
50mm Crushed Aggregate for Cycle Track	m2	830	\$25.00	\$20,750.00
Concrete Unit Pavers	m2	1710	\$200.00	\$342,000.00
Concrete base for Pavers	m2	1710	\$60.00	\$102,600.00
Granite Curb and Gutter	m	460	\$400.00	\$184,000.00
Subdrain	m	460	\$40.00	\$18,400.00
Trunk Storm Sewer	m	230	\$1,000.00	\$230,000.00
Catchbasins	each	5	\$3,200.00	\$16,000.00
Catchbasin Manholes	each	5	\$8,500.00	\$42,500.00
250mm Catchbasin Leads	m	50	\$500.00	\$25,000.00
Soil Cells	m2	736	\$450.00	\$331,200.00
Planting Soil in Trench	m3	736	\$80.00	\$58,880.00
Trees	each	46	\$1,000.00	\$46,000.00
Illumination	each	10	\$25,000.00	\$250,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	0	\$25,000.00	\$0.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$20,000.00	\$20,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$410,000.00	\$410,000.00
Sub-total Major Items				\$2,662,070.00
Minor Items (25% of Major Items)				\$665,517.50
Sub-total				\$3,327,587.50
Contingency (30% of Sub-total)				\$998,276.25
Engineering (15% of Sub-total)				\$499,138.13
TOTAL				\$4,825,001.88

Road: **Church Street**
 From: North Tunnel
 To: The Esplanade
 Length: 100 m
 Width: 12 m

Assumptions:
 Pavement Structure: Collector w/Bus Route
 Hot Mix Asphalt 50 mm
 PCC Concrete Base 200 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	200	\$105.00	\$21,000.00
PCC Concrete Base	m2	1200	\$64.00	\$76,800.00
Granular A	t	500	\$25.00	\$12,500.00
Asphalt for Cycle Track	t	100	\$110.00	\$11,000.00
Concrete base for Cycle Track	m2	420	\$60.00	\$25,200.00
50mm Crushed Aggregate for Cycle Track	m2	420	\$25.00	\$10,500.00
Concrete Unit Pavers	m2	660	\$200.00	\$132,000.00
Concrete base for Pavers	m2	660	\$60.00	\$39,600.00
Concrete Curb and Gutter	m	200	\$120.00	\$24,000.00
Subdrain	m	200	\$40.00	\$8,000.00
Trunk Storm Sewer	m	100	\$1,000.00	\$100,000.00
Catchbasins	each	2	\$3,200.00	\$6,400.00
Catchbasin Manholes	each	2	\$8,500.00	\$17,000.00
250mm Catchbasin Leads	m	24	\$500.00	\$12,000.00
Soil Cells	m2	240	\$450.00	\$108,000.00
Planting Soil in Trench	m3	240	\$80.00	\$19,200.00
Trees	each	20	\$1,000.00	\$20,000.00
Illumination	each	4	\$25,000.00	\$100,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$315,000.00	\$315,000.00
Sub-total Major Items				\$1,408,200.00
Minor Items (25% of Major Items)				\$352,050.00
Sub-total				\$1,760,250.00
Contingency (30% of Sub-total)				\$528,075.00
Engineering (15% of Sub-total)				\$264,037.50
TOTAL				\$2,552,362.50

Road: "New" Street

Assumptions:

From: Queens Quay

Pavement Structure: Local w/Bus Route

To: Lake Shore Blvd EB

Hot Mix Asphalt 50 mm

Length: 200 m

PCC Concrete Base 200 mm

Width: 8.5 m

Granular A 150 mm

Note: Construction assumed to be 'greenfield'.

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	300	\$105.00	\$31,500.00
PCC Concrete Base	m2	1700	\$64.00	\$108,800.00
Granular A	t	700	\$25.00	\$17,500.00
Concrete Unit Pavers	m2	2300	\$200.00	\$460,000.00
Concrete base for Pavers	m2	2300	\$60.00	\$138,000.00
Granite Curb and Gutter	m	400	\$400.00	\$160,000.00
Subdrain	m	400	\$40.00	\$16,000.00
Trunk Storm Sewer	m	200	\$1,000.00	\$200,000.00
Catchbasins	each	4	\$3,200.00	\$12,800.00
Catchbasin Manholes	each	4	\$8,500.00	\$34,000.00
250mm Catchbasin Leads	m	34	\$500.00	\$17,000.00
Soil Cells	m2	720	\$450.00	\$324,000.00
Planting Soil in Trench	m3	720	\$80.00	\$57,600.00
Trees	each	40	\$1,000.00	\$40,000.00
Illumination	each	8	\$25,000.00	\$200,000.00
Traffic Signals	each	0	\$150,000.00	\$0.00
Temporary Traffic Signals	each	0	\$25,000.00	\$0.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$0.00	\$0.00
Sub-total Major Items				\$1,992,200.00
Minor Items (25% of Major Items)				\$498,050.00
Sub-total				\$2,490,250.00
Contingency (30% of Sub-total)				\$747,075.00
Engineering (15% of Sub-total)				\$373,537.50
TOTAL				\$3,610,862.50

Road: **Jarvis Street**
 From: Queens Quay
 To: Lake Shore Blvd EB
 Length: 200 m
 Width: 14 m

Assumptions:
 Pavement Structure: Minor Arterial
 Hot Mix Asphalt 90 mm
 PCC Concrete Base 250 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	700	\$105.00	\$73,500.00
PCC Concrete Base	m2	2800	\$64.00	\$179,200.00
Granular A	t	1100	\$25.00	\$27,500.00
Asphalt for Cycle Track	t	220	\$110.00	\$24,200.00
Concrete base for Cycle Track	m2	920	\$60.00	\$55,200.00
50mm Crushed Aggregate for Cycle Track	m2	920	\$25.00	\$23,000.00
Concrete Unit Pavers	m2	1640	\$200.00	\$328,000.00
Concrete base for Pavers	m2	1640	\$60.00	\$98,400.00
Granite Curb and Gutter	m	400	\$400.00	\$160,000.00
Subdrain	m	400	\$40.00	\$16,000.00
Trunk Storm Sewer	m	200	\$1,000.00	\$200,000.00
Catchbasins	each	4	\$3,200.00	\$12,800.00
Catchbasin Manholes	each	4	\$8,500.00	\$34,000.00
250mm Catchbasin Leads	m	56	\$500.00	\$28,000.00
Soil Cells	m2	920	\$450.00	\$414,000.00
Planting Soil in Trench	m3	920	\$80.00	\$73,600.00
Trees	each	40	\$1,000.00	\$40,000.00
Illumination	each	8	\$25,000.00	\$200,000.00
Traffic Signals	each	2	\$150,000.00	\$300,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$0.00	\$0.00
Sub-total Major Items				\$2,487,400.00
Minor Items (25% of Major Items)				\$621,850.00
Sub-total				\$3,109,250.00
Contingency (30% of Sub-total)				\$932,775.00
Engineering (15% of Sub-total)				\$466,387.50
TOTAL				\$4,508,412.50

Road: **Harbour Street**

From: Bay Street

To: Yonge Street

Length: 220 m

Width: 9.9 m

Assumptions:

Pavement Structure: Major Arterial

Hot Mix Asphalt 90 mm

PCC Concrete Base 250 mm

Granular A 0 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	500	\$105.00	\$52,500.00
PCC Concrete Base	m2	0	\$64.00	\$0.00
Granular A	t	0	\$25.00	\$0.00
Asphalt for Cycle Track	t	210	\$110.00	\$27,500.00
Concrete for Cycle Track	m2	880	\$60.00	\$52,800.00
50mm Crushed Aggregate for Cycle Track	m2	880	\$25.00	\$22,000.00
Concrete Unit Pavers	m2	2552	\$200.00	\$510,400.00
Concrete base for Pavers	m2	2552	\$60.00	\$153,120.00
Concrete Curb and Gutter	m	220	\$120.00	\$26,400.00
Subdrain	m	220	\$40.00	\$8,800.00
Trunk Storm Sewer	m	110	\$1,000.00	\$110,000.00
Catchbasins	each	3	\$3,200.00	\$9,600.00
Catchbasin Manholes	each	3	\$8,500.00	\$25,500.00
250mm Catchbasin Leads	m	30	\$500.00	\$15,000.00
Soil Cells	m2	792	\$450.00	\$356,400.00
Planting Soil in Trench	m3	792	\$80.00	\$63,360.00
Trees	each	44	\$1,000.00	\$44,000.00
Illumination	each	9	\$25,000.00	\$225,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$10,000.00	\$10,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$25,000.00	\$25,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Monitor Ex. Structures during Construction	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$210,000.00	\$210,000.00
Sub-total Major Items				\$2,272,380.00
Minor Items (25% of Major Items)				\$568,095.00
Sub-total				\$2,840,475.00
Contingency (30% of Sub-total)				\$852,142.50
Engineering (15% of Sub-total)				\$426,071.25
TOTAL				\$4,118,688.75

Road: **Harbour Street**
 From: Yonge Street
 To: Freeland Street
 Length: 155 m
 Width: 9.9 m

Assumptions:
 Pavement Structure: Collector
 Hot Mix Asphalt 50 mm
 PCC Concrete Base 200 mm
 Granular A 150 mm

NOTE: Assumed to be constructed as 'greenfield'

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	200	\$105.00	\$21,000.00
PCC Concrete Base	m2	1600	\$64.00	\$102,400.00
Granular A	t	600	\$25.00	\$15,000.00
Asphalt for Cycle Track	t	110	\$110.00	\$27,500.00
Concrete for Cycle Track	m2	470	\$60.00	\$28,200.00
50mm Crushed Aggregate for Cycle Track	m2	465	\$25.00	\$11,625.00
Concrete Unit Pavers	m2	2190	\$200.00	\$438,000.00
Concrete base for Pavers	m2	2190	\$60.00	\$131,400.00
Granite Curb and Gutter	m	310	\$400.00	\$124,000.00
Subdrain	m	310	\$40.00	\$12,400.00
Trunk Storm Sewer	m	155	\$1,000.00	\$155,000.00
Catchbasins	each	4	\$3,200.00	\$12,800.00
Catchbasin Manholes	each	4	\$8,500.00	\$34,000.00
250mm Catchbasin Leads	m	40	\$500.00	\$20,000.00
Soil Cells	m2	560	\$450.00	\$252,000.00
Planting Soil in Trench	m3	560	\$80.00	\$44,800.00
Trees	each	31	\$1,000.00	\$31,000.00
Illumination	each	7	\$25,000.00	\$175,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$30,000.00	\$30,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$40,000.00	\$40,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$20,000.00	\$20,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Post Construction Survey	each	1	\$10,000.00	\$10,000.00
Erosion and Sediment Control	each	1	\$20,000.00	\$20,000.00
Utility Relocations	LS	1	\$0.00	\$0.00
Sub-total Major Items				\$1,981,125.00
Minor Items (25% of Major Items)				\$495,281.25
Sub-total				\$2,476,406.25
Contingency (30% of Sub-total)				\$742,921.88
Engineering (15% of Sub-total)				\$371,460.94
TOTAL				\$3,590,789.06

Road: **Harbour Street**
 From: Freeland Street
 To: Jarvis Street
 Length: 355 m
 Width: 9.9 m

Assumptions:
 Pavement Structure: Collector
 Hot Mix Asphalt 50 mm
 PCC Concrete Base 200 mm
 Granular A 150 mm

NOTE: Assumed to be constructed as 'greenfield'

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	500	\$105.00	\$52,500.00
PCC Concrete Base	m2	3600	\$64.00	\$230,400.00
Granular A	t	1300	\$25.00	\$32,500.00
Asphalt for Cycle Track	t	250	\$110.00	\$27,500.00
Concrete for Cycle Track	m2	1070	\$60.00	\$64,200.00
50mm Crushed Aggregate for Cycle Track	m2	1065	\$25.00	\$26,625.00
Concrete Unit Pavers	m2	5010	\$200.00	\$1,002,000.00
Concrete base for Pavers	m2	5010	\$60.00	\$300,600.00
Granite Curb and Gutter	m	710	\$400.00	\$284,000.00
Subdrain	m	710	\$40.00	\$28,400.00
Trunk Storm Sewer	m	355	\$1,000.00	\$355,000.00
Catchbasins	each	8	\$3,200.00	\$25,600.00
Catchbasin Manholes	each	8	\$8,500.00	\$68,000.00
250mm Catchbasin Leads	m	80	\$500.00	\$40,000.00
Soil Cells	m2	1280	\$450.00	\$576,000.00
Planting Soil in Trench	m3	1280	\$80.00	\$102,400.00
Trees	each	71	\$1,000.00	\$71,000.00
Illumination	each	15	\$25,000.00	\$375,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Erosion and Sediment Control	each	1	\$10,000.00	\$10,000.00
Utility Relocations	LS	1	\$0.00	\$0.00
Sub-total Major Items				\$4,011,725.00
Minor Items (25% of Major Items)				\$1,002,931.25
Sub-total				\$5,014,656.25
Contingency (30% of Sub-total)				\$1,504,396.88
Engineering (15% of Sub-total)				\$752,198.44
TOTAL				\$7,271,251.56

Road: **Lake Shore Blvd EB**
 From: Yonge Street
 To: Freeland Street
 Length: 160 m
 Width: 10.3 m

Assumptions:
 Pavement Structure: Major Arterial
 Hot Mix Asphalt 90 mm
 PCC Concrete Base 250 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	400	\$105.00	\$42,000.00
PCC Concrete Base	m2	1648	\$64.00	\$105,472.00
Granular A	t	600	\$25.00	\$15,000.00
Concrete Unit Pavers	m2	930	\$200.00	\$186,000.00
Concrete base for Pavers	m2	930	\$60.00	\$55,800.00
Concrete Curb and Gutter	m	320	\$120.00	\$38,400.00
Subdrain	m	320	\$40.00	\$12,800.00
Trunk Storm Sewer	m	160	\$1,000.00	\$160,000.00
Catchbasins	each	4	\$3,200.00	\$12,800.00
Catchbasin Manholes	each	4	\$8,500.00	\$34,000.00
250mm Catchbasin Leads	m	50	\$500.00	\$25,000.00
Soil Cells	m2	368	\$450.00	\$165,600.00
Planting Soil in Trench	m3	368	\$80.00	\$29,440.00
Trees	each	32	\$1,000.00	\$32,000.00
Illumination	each	7	\$25,000.00	\$175,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Monitor Ex. Structures during Construction	each	1	\$10,000.00	\$10,000.00
Erosion and Sediment Control	each	1	\$20,000.00	\$20,000.00
Public Realm	m2	2350	\$450.00	\$1,057,500.00
Utility Relocations	LS	1	\$345,000.00	\$345,000.00
Access and Protection	each	1	\$250,000.00	\$250,000.00
Sub-total Major Items				\$3,111,812.00
Provisions for public realm improvements (10%)				\$311,181.20
Minor Items (25% of Major Items)				\$777,953.00
Sub-total				\$4,200,946.20
Contingency (30% of Sub-total)				\$1,260,283.86
Engineering (15% of Sub-total)				\$630,141.93
TOTAL				\$6,091,371.99

Road: **Lake Shore Blvd EB**

Assumptions:

From: Freeland Street

Pavement Structure:

Major Arterial

To: Cooper Street

Hot Mix Asphalt

90 mm

Length: 160 m

PCC Concrete Base

250 mm

Width: 10.3 m

Granular A

150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	400	\$105.00	\$42,000.00
PCC Concrete Base	m2	1648	\$64.00	\$105,472.00
Granular A	t	600	\$25.00	\$15,000.00
Concrete Unit Pavers	m2	890	\$200.00	\$178,000.00
Concrete base for Pavers	m2	890	\$60.00	\$53,400.00
Concrete Curb and Gutter	m	320	\$120.00	\$38,400.00
Subdrain	m	320	\$40.00	\$12,800.00
Trunk Storm Sewer	m	160	\$1,000.00	\$160,000.00
Catchbasins	each	4	\$3,200.00	\$12,800.00
Catchbasin Manholes	each	4	\$8,500.00	\$34,000.00
250mm Catchbasin Leads	m	50	\$500.00	\$25,000.00
Soil Cells	m2	368	\$450.00	\$165,600.00
Planting Soil in Trench	m3	368	\$80.00	\$29,440.00
Trees	each	32	\$1,000.00	\$32,000.00
Illumination	each	7	\$25,000.00	\$175,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Temporary Parking Lot	each	1	\$50,000.00	\$50,000.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Monitor Ex. Structures during Construction	each	1	\$10,000.00	\$10,000.00
Erosion and Sediment Control	each	1	\$20,000.00	\$20,000.00
Public Realm	m2	2000	\$450.00	\$900,000.00
Utility Relocations	LS	1	\$265,000.00	\$265,000.00
Access and Protection	each	1	\$500,000.00	\$500,000.00
Sub-total Major Items				\$3,163,912.00
Provisions for public realm improvements (10%)				\$316,391.20
Minor Items (25% of Major Items)				\$790,978.00
Sub-total				\$4,271,281.20
Contingency (30% of Sub-total)				\$1,281,384.36
Engineering (15% of Sub-total)				\$640,692.18
TOTAL				\$6,193,357.74

Road: **Lake Shore Blvd EB**
 From: Cooper Street
 To: Jarvis Street
 Length: 220 m
 Width: 10.3 m

Assumptions:
 Pavement Structure: Major Arterial
 Hot Mix Asphalt 90 mm
 PCC Concrete Base 250 mm
 Granular A 150 mm

Description	Units	Quantity	Unit Price	Cost
Hot Mix Asphalt	t	600	\$105.00	\$63,000.00
PCC Concrete Base	m2	2266	\$64.00	\$145,024.00
Granular A	t	900	\$25.00	\$22,500.00
Concrete Unit Pavers	m2	1010	\$200.00	\$202,000.00
Concrete base for Pavers	m2	1010	\$60.00	\$60,600.00
Concrete Curb and Gutter	m	440	\$120.00	\$52,800.00
Subdrain	m	440	\$40.00	\$17,600.00
Trunk Storm Sewer	m	220	\$1,000.00	\$220,000.00
Catchbasins	each	5	\$3,200.00	\$16,000.00
Catchbasin Manholes	each	5	\$8,500.00	\$42,500.00
250mm Catchbasin Leads	m	60	\$500.00	\$30,000.00
Soil Cells	m2	506	\$450.00	\$227,700.00
Planting Soil in Trench	m3	506	\$80.00	\$40,480.00
Trees	each	44	\$1,000.00	\$44,000.00
Illumination	each	9	\$25,000.00	\$225,000.00
Traffic Signals	each	1	\$150,000.00	\$150,000.00
Temporary Traffic Signals	each	1	\$25,000.00	\$25,000.00
Temporary Parking Lot	each	1	\$75,000.00	\$75,000.00
Construction signs, Field Office	each	1	\$25,000.00	\$25,000.00
Construction and Survey Layout	each	1	\$30,000.00	\$30,000.00
Bonds and Insurance Payment	each	1	\$30,000.00	\$30,000.00
Supply, Install and Maintain Temporary Fence	each	1	\$40,000.00	\$40,000.00
Traffic Control Persons, Signs and Barricades	each	1	\$20,000.00	\$20,000.00
Pre- and Post Construction Survey	each	1	\$20,000.00	\$20,000.00
Monitor Ex. Structures during Construction	each	1	\$10,000.00	\$10,000.00
Erosion and Sediment Control	each	1	\$20,000.00	\$20,000.00
Public Realm	m2	2500	\$450.00	\$1,125,000.00
Utility Relocations	LS	1	\$265,000.00	\$265,000.00
Access and Protection	each	1	\$500,000.00	\$500,000.00
Sub-total Major Items				\$3,744,204.00
Provisions for public realm improvements (10%)				\$374,420.40
Minor Items (25% of Major Items)				\$936,051.00
Sub-total				\$5,054,675.40
Contingency (30% of Sub-total)				\$1,516,402.62
Engineering (15% of Sub-total)				\$758,201.31
TOTAL				\$7,329,279.33

Road: **Gardiner Off-ramp**

From: EB Gardiner

To: Yonge Street

Length: 270 m

Assumptions:

1. Includes removal of Bay St. on-ramp to EB Gardiner
2. Includes removal of existing EB off-ramp
3. Based on YBY Tender Estimate Report unit rates

Description	Units	Quantity	Unit Price	Cost
General Items	LS	1	\$1,000,000.00	\$1,000,000.00
Access and Protection	LS	1	\$2,000,000.00	\$2,000,000.00
Roadway Protection and Shoring	LS	1	\$200,000.00	\$200,000.00
Removal of Bay Street on-ramp	m2	3100	\$2,000.00	\$6,200,000.00
Removal of Gardiner off-ramp	m2	4100	\$2,000.00	\$8,200,000.00
General Municipal Works	LS	1	\$50,000.00	\$50,000.00
Traffic Signals	LS	1	\$150,000.00	\$150,000.00
New Off-ramp to Yonge Street	m2	3000	\$3,500.00	\$10,500,000.00
Streetscape under New Ramp	LS	1	\$200,000.00	\$200,000.00
Concrete Sidewalk	m2	380	\$60.00	\$22,800.00
Trunk Storm Sewer	m	270	\$1,000.00	\$270,000.00
Catchbasins	each	10	\$3,200.00	\$32,000.00
Catchbasin Manholes	each	10	\$8,500.00	\$85,000.00
250mm Catchbasin Leads	m	1000	\$500.00	\$500,000.00
Illumination	each	20	\$25,000.00	\$500,000.00
Public Realm	m2	1040	\$450.00	\$468,000.00
Property Costs (33 Bay Street)	LS	1	\$3,417,636.74	\$3,417,636.74
Utility Relocations	LS	1	\$1,500,000.00	\$1,500,000.00
Sub-total Major Items				\$35,295,436.74
Minor Items (20% of Major Items)				\$7,059,087.35
Sub-total				\$42,354,524.08
Contingency (20% of Sub-total)				\$8,470,904.82
Engineering (10% of Sub-total)				\$4,235,452.41
TOTAL				\$55,060,881.31