APPENDIX W – Preliminary Cost Estimate

Preliminary Cost Estimate

SUMMARY		
Phase 1	Keele Street to Dufferin Street	$79,850,542.76
Phase 2	Dufferin Street to Bathurst Street	$40,497,707.06
	TOTAL	**$120,348,249.81**

Preliminary Cost Estimate

Phase 1 – Keele Street to Dufferin Street

Item	Description	Est. Qty.	Unit	Unit Price	Total Price
1	Traffic Management, Site Office and Bonds	1	L.S.	$650,000	$650,000
2	Clearing, Grubbing & Tree Removal	11700	m^3	$50	$585,000
3	Stripping	11700	m^3	$15	$175,500
4	Full Depth Asphalt Pavement Removal	13700	m^2	$30	$411,000
5	Earth Excavation and Grading	41000	m^3	$64	$2,624,000
6	Earth Borrow	192600	m^3	$15	$2,889,000
7	Roadway Granular 'A' Base Course	20724	tonne	$75	$1,554,300
8	Roadway Granular 'B' Base Course	51810	tonne	$74	$3,833,940
9	Superpave 12.5 (50mm) FC1 Cat. D (PG 64-28)-Roadway	5235	tonne	$260	$1,361,100
10	Superpave 19.0 (50mm) Cat. D (PG 64-28)-Roadway	5115	tonne	$187	$956,505
11	Superpave 25.0 (80mm) Cat. D (PG 64-28)-Roadway	8310	tonne	$187	$1,553,970
12	Tack Coat	79150	m^2	$1	$79,150
13	Concrete Median	205	m^2	$125	$25,625
14	Concrete Sidewalk	765	m^2	$150	$114,750
15	Concrete Curb and Gutter	4500	m	$185	$832,500
16	150mm Dia. Subdrain	4500	m	$64	$288,000
17	Asphalt Multi Use Path	6640	m^2	$120	$796,800
18	Sediment Control Fences	4200	m	$31	$130,200
19	Topsoil	1755	m^3	$20	$35,100
20	Sod	11700	m^2	$30	$351,000
21	Street Tree Plantings	60	each	$500	$30,000

Item	Description	Est. Qty.	Unit	Unit Price	Total Price
22	Natural Valley Restoration Plantings	1	L.S.	$300,000	$300,000
23	Storm Sewer Pipes and Catchbasin Leads	1	L.S.	$6,925,917	$6,925,917
24	Maintenance Holes, and Catchbasins	1	L.S.	$890,760	$890,760
25	SWM Ponds and Associated Works	1	L.S.	$720,000	$720,000
26	Underground SWMFs and LID Improvements	1	L.S.	$1,248,000	$1,248,000
27	Oil/Grit Separators	3	each	$60,000	$180,000
28	Non-structural Culverts	1	L.S.	$479,985	$479,985
29	Don River Tributary Channel Works	1	L.S.	$300,000	$300,000
30	40m Single Span Concrete Bridge (Per Structural Design Report)	1	L.S.	$10,179,500	$10,179,500
31	Pavement Markings and Symbols and Signs	1	L.S.	$75,000	$75,000
32	Miscellaneous Removals & New Construction Items (10%)	1	L.S.	$100,000	$100,000
33	Illumination	2.1	km	$500,000	$1,050,000
34	Traffic Signals - Temporary	2	each	$150,000	$300,000
35	Traffic Signals - Permanent	3	each	$150,000	$450,000
				Subtotal - Construction Cost	$42,026,601
				Engineering, Contract Administration, and Project Management (25%)	$10,506,650
				Internal Region Costs (10%)	$4,202,660
				Allowance for Environmental Mitigation (10%)	$4,202,660
				Utilities (15%)	$6,303,990
				Miscellaneous (5%)	$2,101,330
				Contingency (25%)	$10,506,650
				Total Project Cost	$79,850,543

Preliminary Cost Estimate

Phase 2 – Dufferin Street to Bathurst Street

Item	Description	Est. Qty.	Unit	Unit Price	Total Price
1	Traffic Management, Site Office and Bonds	1	L.S.	$325,000	$325,000
2	Clearing, Grubbing & Tree Removal	5050	m^3	$50	$252,500
3	Stripping	5050	m^3	$15	$75,750
4	Partial Depth Asphalt Pavement Removal	32600	m^2	$42	$1,369,200
5	Earth Excavation and Grading	26000	m^3	$64	$1,664,000
6	Excess Soil Disposal	8000	m^3	$120	$960,000
7	Roadway Granular 'A' Base Course	7236	tonne	$75	$542,700
8	Roadway Granular 'B' Base Course	13266	tonne	$74	$981,684
9	Superpave 12.5 (50mm) FC1 Cat. D (PG 64-28)-Roadway	5415	tonne	$260	$1,407,900
10	Superpave 19.0 (50mm) Cat. D (PG 64-28)-Roadway	9495	tonne	$187	$1,775,565
11	Superpave 25.0 (80mm) Cat. D (PG 64-28)-Roadway	1745	tonne	$187	$326,315
12	Tack Coat	81800	m^2	$1	$81,800
13	Concrete Median	600	m^2	$125	$75,000
14	Concrete Sidewalk	8320	m^2	$150	$1,248,000
15	Concrete Curb and Gutter	4700	m	$185	$869,500
16	150mm Dia. Subdrain	4700	m	$64	$300,800
17	Asphalt Cycle Tracks	6880	m^2	$120	$825,600
18	Sediment Control Fences	4000	m	$31	$124,000
19	Topsoil	760	m^3	$20	$15,200
20	Sod	5050	m^2	$30	$151,500
21	Street Tree Plantings	60	each	$500	$30,000

Item	Description	Est. Qty.	Unit	Unit Price	Total Price
22	Storm Sewer Pipes and Catchbasin Leads	1	L.S.	$4,401,912	$4,401,912
23	Maintenance Holes, and Catchbasins	1	L.S.	$1,026,000	$1,026,000
24	Underground SWMFs and LID Improvements	1	L.S.	$1,204,800	$1,204,800
25	Oil/Grit Separators	5	each	$60,000	$300,000
26	Non-structural Culverts	1	L.S.	$439,000	$439,000
27	Culvert Headwall Modifications	1	L.S.	$250,000	$250,000
28	Pavement Markings and Symbols and Signs	1	L.S.	$75,000	$75,000
29	Miscellaneous Removals & New Construction Items (10%)	1	L.S.	$100,000	$100,000
30	Illumination	2	km	$500,000	$1,000,000
31	Traffic Signals - Temporary	2	each	$150,000	$300,000
32	Traffic Signals - Permanent	3	each	$150,000	$450,000
Subtotal - Construction Cost					**$22,498,726**
Engineering, Contract Administration, and Project Management (25%)					**$5,624,682**
Internal Region Costs (10%)					**$2,249,873**
Utilities (15%)					**$3,374,809**
Miscellaneous (5%)					**$1,124,936**
Contingency (25%)					**$5,624,682**
Total Project Cost					**$40,497,707**