

 MANITOU DRIVE PRELIMINARY DESIGN CONCEPT OPINION OF PROBABLE COST								
			Webster to Bleams		Fairway to Webster (Less SW and Bike Lanes)		Fairway to Webster (Only SW and Bike Lanes)	
	Unit	Unit Cost	Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Road Construction								
Earth Excavationn	L.S.		1.0	\$ 78,000	1.0	\$ 18,000	1.0	\$ 4,000
Pavement Structure ¹	sq m	\$ 50.00	19100.0	\$ 955,000	4500.0	\$ 225,000	900.0	\$ 45,000
Curbs	m	\$ 45.00	2810.0	\$ 126,450	690.0	\$ 31,050		\$ -
Sidewalk	sq m	\$ 50.00	4600.0	\$ 230,000		\$ -	1900.0	\$ 95,000
Retaining Walls	sq m	\$ 450.00	90.0	\$ 40,500	110.0			\$ -
Restoration	sq m	\$ 20.00	2800.0	\$ 56,000	700.0	\$ 14,000		\$ -
Landscaping	L.S.		1.0	\$ 120,000	1.0	\$ 30,000		\$ -
Sub-total				\$ 1,605,950		\$ 318,050		\$ 144,000
Bridge Construction								
Bridge	L.S.		1.0	\$ 3,000,000		\$ -		\$ -
Sub-total				\$ 3,000,000		\$ -		\$ -
Storm Sewer								
1500 Ø DCBMH	each	\$ 6,000.00	2.0	\$ 12,000		\$ -		\$ -
1200 Ø MH	each	\$ 4,000.00	7.0	\$ 28,000	8.0	\$ 32,000		\$ -
1800 Ø MH	each	\$ 7,000.00	3.0	\$ 21,000		\$ -		\$ -
2400 Ø MH	each	\$ 13,000.00	1.0	\$ 13,000		\$ -		\$ -
DCB	each	\$ 4,000.00	2.0	\$ 8,000		\$ -		\$ -
CB	each	\$ 2,000.00	5.0	\$ 10,000	8.0	\$ 16,000		\$ -
300mm storm sewer	m	\$ 125.00	60.0	\$ 7,500	90.0	\$ 11,250		\$ -
375mm storm sewer	m	\$ 140.00	65.0	\$ 9,100	80.0	\$ 11,200		\$ -
450mm storm sewer	m	\$ 165.00	145.0	\$ 23,925	115.0	\$ 18,975		\$ -
900mm storm sewer	m	\$ 425.00	35.0	\$ 14,875		\$ -		\$ -
1050mm storm sewer	m	\$ 600.00	45.0	\$ 27,000		\$ -		\$ -
1200mm storm sewer	m	\$ 750.00	45.0	\$ 33,750		\$ -		\$ -
OGS	each	\$ 80,000.00	2.0	\$ 160,000	1.0	\$ 80,000		\$ -
Sub-total				\$ 368,150		\$ 169,425		\$ -
Watermain								
Creek Crossing	L.S.		1.0	\$ 175,000		\$ -		\$ -
450mm watermain	m	\$ 300.00	300.0	\$ 90,000		\$ -		\$ -
450mm valves	each	\$ 17,500.00	5.0	\$ 87,500		\$ -		\$ -
Sub-total				\$ 352,500		\$ -		\$ -
Property								
#50 Manitou Drive	L.S.			\$ 500,000				\$ -
#38 Manitou Drive	L.S.			\$ 50,000				\$ -
#110 Manitou Drive	L.S.			\$ 125,000				\$ -
#107 Manitou Drive	L.S.			\$ 100,000				\$ -
#35 Manitou Drive	L.S.			\$ 65,000				\$ -
#695 Fairway Road	L.S.					\$ 40,000		\$ -
City of Kitchener	L.S.			\$ -		\$ -		\$ -
Sub-total				\$ 840,000		\$ 40,000		\$ -
Easements								
#21 Manitou Drive	L.S.			\$ -		\$ 7,000		
#28 Manitou Drive	L.S.			\$ 13,700				
#25-29 Manitou Drive	L.S.					\$ 25,000		
#31-33 Manitou Drive	L.S.			\$ 6,000				
#36 Manitou Drive	L.S.			\$ 10,000				
#38 Manitou Drive	L.S.			\$ 20,000				
#50 Manitou Drive	L.S.			\$ 50,000				
#107 Manitou Drive	L.S.			\$ 10,000				
#110 Manitou Drive	L.S.			\$ 10,000				
City of Kitchener	L.S.			\$ -		\$ -		
Sub-total				\$ 99,700		\$ 32,000		\$ -
Utility Relocation								
Hydro Poles	each	\$ 8,000.00	21.0	\$ 168,000	12.0	\$ 96,000		\$ -
Bell Canada	L.S.			\$ -		\$ -		\$ -
Rogers Cable	L.S.			\$ -		\$ -		\$ -
Kitchener Utilities (Gas)	L.S.			\$ -		\$ -		\$ -
Sub-total				\$ 168,000		\$ 96,000		\$ -
Contingency								
Contingency	L.S.	20%		\$ 1,286,860		\$ 131,095		\$ 28,800
TOTAL				7,721,160		786,570		172,800

¹This unit cost is based on the following pavement structure and prices:

50 mm HL-3 surface asphalt at	\$ 95.00 per tonne.
90 mm HL-4 binder and base asphalt at	\$ 90.00 per tonne.
150 mm Granular "A" roadbase at	\$ 15.00 per tonne.
350 mm Granular "B" sub-base at	\$ 12.00 per tonne.