Midtown Oakville Transportation and Stormwater Municipal Class EA Final Report June 2014

APPENDIX I COST ESTIMATES

Preliminary Quantities and Cost Estimate CONSTRUCTION DETAILS

North Service Road Royal Windsor Drive CH 5170 NSR Midtown Oakville EA Project Location: From: To: Project Description:

NO	ITEM		ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
A. Roa		rk's & Drainage ring and Grubbing	3.1	ha	\$10,000.00	\$31,000
2		Excavation	14,560.0		\$10,000.00	\$31,000
3		Borrow	0.0		\$10.00	\$320,720
4		ular A (150mm)	6,070.0		\$21.42	\$130,019
5	Gran	ular B (450mm)	16,680.0	Т	\$20.40	\$340,272
6		ice Course Asphalt (50mm)	2,140.0		\$100.00	\$214,000
7		Course Asphalt (100mm)	4,160.0		\$95.00	\$395,200
8		l and overlay:	7,705.5		\$15.82	\$121,892
9		& Gutter	3,310.0		\$85.44	\$282,801
10		rete Kill Strips	0.0		\$48.91	\$0
11 12	Subd		3,310.0 0.0		\$19.29 \$190.21	\$63,850 \$0
12	Medi		0.0	m	\$190.21	Φ0
13	iviedi	Curbs	380.0	m	\$85.44	\$32,467
14		Concrete Kill Strips	380.0		\$48.91	\$18,586
15		Sodding	190.0		\$10.00	\$1,900
		Pavement	0.0		\$72.44	\$0
	Boule	evard Items				* -
16		Sidewalks	2,820.0	m2	\$60.71	\$171,202
17		Pedestrian Railings	0.0	m	\$165.67	\$0
18		Cyclepaths	0.0		\$23.41	\$0
19		Driveway (Res.)	0.0		\$50.12	\$0
20		Driveway (Comm.)	484.5		\$77.68	\$37,634
21		Chain link fencing (1.2m)	0.0		\$96.73	\$0
22	 	Screening Fence (1.8)	0.0		\$309.15	\$0 \$0
23	Dovo	Noise Attenuation (1.8m) ment Markings	0.0	m	\$683.19	\$0
24	rave	Line Striping	6,150.0	m	\$1.86	\$11,439
24	Drair		0,100.0	""	φ1.00	φ11, 4 39
25	Dian	Ditchina	0.0	m	\$45.21	\$0
26		Minor Culverts (New)	20.0		\$1,798.30	\$35,966
27		Minor Culverts (Widen)	40.0	m2	\$2,157.96	\$86,318
28		Major Culverts (New)	0.0	m	\$8,480.80	\$0
29		Major Culverts (Widen)	0.0		\$8,480.80	\$0
30		Typ. Storm Sewer	1,655.0	m	\$508.12	\$840,945
31		Oil/Grit Separators	1.0	ea.	\$44,291.00	\$44,291
32		Sewer extension	0.0	m .	\$1,146.52	\$0
33		Outfall	1.0	each	\$22,677.86	\$22,678
34	Prote	ective Barriers Retaining Walls	0.0	60 m	\$663.81	\$0
35		Reinforced Earth Wall	0.0	sq. m sq. m	\$500.00	\$0
36		Steel Beam Guard Rail	0.0		\$72.36	\$0
37		Eccentric Loaders	0.0		\$3,215.00	\$0
38		Proprietary Barriers	0.0	ea.	\$52,664.52	\$0
39		Temp. Jersey Barriers	0.0	m	\$66.43	\$0
B Land	dscap	oing				
40		Boulevard Trees	1,655.0	m	\$117.50	\$194,463
41		Sodding	10,030.5	m2	\$10.00	\$100,305
42		Topsoil & Seed	0.0	m2	\$4.50	\$0
C. Elec						
	Stree	etlighting			****	* 100 000
43		In Boulevard	1,655.0		\$263.99	\$436,898
44	Troff	In Median	0.0		\$176.30	\$0
45	ıran	ic Signals Temporary Signals	0.0		\$60,598.70	\$0
46		Arterial Intersection	0.0		\$264,677.96	\$0 \$0
47	1	Collector Intersection	0.0		\$211,680.50	\$0
48		Local Intersection	0.0		\$178,737.40	\$0
49	İ	Interconnect	0.0		\$69.44	\$0
D. Stru	ucture					
50		Grade Separation	0.0	each	\$16,433,844.37	\$0
51		Bridge (New)		m2 deck area	\$2,987.40	\$0
52		Bridge (Widen)	0.0	m2 deck area	4182.366438	\$0
E. Mis	cellar					
53		- XXXXXX		Ea.	0	\$0
54	L	- XXXXXX	0	Ea.	0	\$0
Sub To	otal A	Il Items		 		\$3,940,852
C 7	-41	25% Contingency		ļ		\$985,213
Sub To	otal	150/ Engineering		 		\$4,926,065
Grand	Tota	15% Engineering		 		\$738,910 \$5,664,974
Grand	iota			 		\$5,664,974
F Prop	ort:			 		
_	erty	Posidontial	0.0	m ²	¢117 50	ΦΩ
E E		Residential			\$117.50	\$0
55 56		Commercial	5 616 0	m?	使つつた UU	\$1 262 600
55 56		Commercial Subtotal Property	5,616.0	m2	\$225.00	\$1,263,600 \$1,263,600

Preliminary Quantities and Cost Estimate
CONSTRUCTION DETAILS
Project Location:

Trafalgar Road Interchange Trafalgar Road Interchange QEW Midtown Midtown Oakville EA

From:

To: Project Description:

NO	ITEM		ESTIMATED	LINUT	LINIT DRICE	TOTAL
	adwork's & Drainage		QUANTITY UNIT		UNIT PRICE	TOTAL
1		ing and Grubbing	2.6	ha	\$10,000.00	\$26,100
2		Excavation	18,580.0	m3	\$22.44	\$416,935
3		Borrow	60.0	m3	\$10.00	\$600
4		ular A (150mm)	3,290.0	Ţ	\$21.42	\$70,472
5 6		ular B (450mm) ice Course Asphalt (50mm	9,680.0 3,810.0	T	\$20.40 \$100.00	\$197,472 \$381,000
7		Course Asphalt (100mm)	2,750.0	Ť	\$95.00	\$261,250
8		and overlay:	9,610.0	m2	\$15.82	\$152,019
9	Curb	& Gutter	2,475.0	m	\$85.44	\$211,460
10	Conc	rete Kill Strips	0.0	m	\$48.91	\$0
11	Subd		3,601.0	m	\$19.29	\$69,463
12	Shou		320.0	m	\$190.21	\$60,867
	Media				227.11	
13 14		Curbs Concrete Kill Strips	0.0	m m	\$85.44 \$48.91	\$0 \$0
15		Sodding	0.0	m2	\$10.00	\$0
10		Pavement	0.0	m2	\$72.44	\$0
	Boule	evard Items			·	* -
16		Sidewalks	3,340.5	m2	\$60.71	\$202,802
17		Pedestrian Railings	0.0	m	\$165.67	\$0
18		Cyclepaths	0.0	m2	\$23.41	\$0
19 20		Driveway (Res.) Driveway (Comm.)	0.0 207.0	m2 m2	\$50.12 \$77.68	\$0 \$16,079
21		Chain link fencing (1.2m)	0.0	m	\$96.73	\$16,079
22		Screening Fence (1.8)	0.0	m	\$309.15	\$0
23		Noise Attenuation (1.8m)	0.0	m	\$683.19	\$0
		ment Markings				
24		Line Striping	3,143.0	m	\$1.86	\$5,846
25	Drain	age Ditching	640.0		¢45.04	\$28,935
25 26		Minor Culverts (New)	640.0	m m2	\$45.21 \$1,798.30	\$28,935
27		Minor Culverts (Widen)	0.0	m2	\$2,157.96	\$0
28		Major Culverts (New)	0.0	m	\$8,480.80	\$0
29		Major Culverts (Widen)	0.0	m	\$8,480.80	\$0
30		Typ. Storm Sewer	2,248.0	m	\$508.12	\$1,142,262
31		Oil/Grit Separators	1.0	ea.	\$44,291.00	\$44,291
32		Sewer extension Outfall	250.0 1.0	m each	\$1,146.52 \$22,677.86	\$286,630 \$22,678
33	Prote	ctive Barriers	1.0	Cacii	ΨΖΖ,077.00	Ψ22,070
34		Retaining Walls	362.0	sq. m	\$663.81	\$240,299
35		Reinforced Earth Wall	0.0	sq. m	\$500.00	\$0
36		Steel Beam Guard Rail	140.0	m	\$72.36	\$10,130
37		Eccentric Loaders	1.0	ea	\$3,215.00	\$3,215
38 39		Proprietary Barriers Temp. Jersey Barriers	0.0 1.036.0	ea. m	\$52,664.52 \$66.43	\$0 \$68,821
B Lan	dscar		1,030.0	***	ψ00.43	ψ00,021
40		Boulevard Trees	895.0	m	\$117.50	\$105,163
41		Sodding	5,240.5	m2	\$10.00	\$52,405
42		Topsoil & Seed	0.0	m2	\$4.50	\$0
C. Ele						
40	Stree	etlighting	005.0		#000.00	#000.000
43 44		In Boulevard	895.0 1,353.0		\$263.99 \$176.30	\$236,268 \$238,534
44	Traff	In Median ic Signals	1,353.0	m	\$170.30	\$238,534
45	an	Temporary Signals	0.0	each	\$60,598.70	\$0
46	L	Arterial Intersection	0.0	each	\$264,677.96	\$0
47		Collector Intersection	0.0	each	\$211,680.50	\$0
48		Local Intersection	0.0	each	\$178,737.40	\$0
49 D. Str t	104	Interconnect	1,353.0	m	\$69.44	\$93,948
	ucture		0.0	aaah	\$16,433,844.37	Φ0
50 51		Grade Separation Bridge (New)		each m2 deck area	\$2,987.40	\$0 \$3,354,395
52		Bridge (Widen)		m2 deck area	4182.366438	\$0
E. Mis	cellar	neous				
53		Gantry Sign Relocation	2	each	\$175,000.00	\$350,000
54		Gantry Sign	1	each	\$175,000.00	\$175,000
55 C	-4-1 -	Watermain Relocation	1	each	\$1,250,000.00	\$1,250,000
Sub T	otal A	Il Items				\$9,775,338
Sub T	otal	25% Contingency				\$2,443,835 \$12,219,173
	Jiai	15% Engineering			+	\$12,219,173
Sub I						\$14,052,049
Grand	Tota					Ţ,J 02, 040
	Tota]		
Grand						
		Residential	6,260.0	m2	\$225.00	\$1,408,500
Grand F Prop		Residential Commercial	6,260.0 0.0	m2 m2	\$225.00 \$18.46	\$0
Grand F Prop 56 57	perty	Residential				

Preliminary Quantities and Cost Estimate CONSTRUCTION DETAILS

North-South Crossing Go Station Trafalgar Road Midtown Oakville EA Project Location: From:

To: Project Description:

NO	ITEM		ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
A. Roa	dwork's & [•		l.	# 40 000 00	#50.000
2	Clearing and Earth Excav		5.4 27,690.0	ha 0	\$10,000.00 \$22.44	\$53,600
3	Earth Borrov		8,780.0		\$22.44 \$10.00	\$621,364 \$87,800
4	Granular A (9,660.0	T	\$21.42	\$206,917
5	Granular B (26,970.0	Т	\$20.40	\$550,188
6	Surface Cou	ırse Asphalt (50mm	3,410.0	Т	\$100.00	\$341,000
7		e Asphalt (100mm)	6,670.0	T	\$95.00	\$633,650
8	Grind and ov	,	3,230.0	m2	\$15.82	\$51,095
9	Curb & Gutte		4,430.0	m	\$85.44	\$378,492
10	Concrete Kil	l Strips	948.0	m	\$48.91	\$46,367
11	Subdrains		4,430.0	m	\$19.29	\$85,455
12	Shoulders		0.0	m	\$190.21	\$0
	Median					
13 14	Curbs	A. Kill Ohio.	1,386.0	m	\$85.44	\$118,418
15	Soddir	ete Kill Strips	1,386.0 2,772.0	m m2	\$48.91 \$10.00	\$67,789 \$27,720
10	Paven	•	0.0	m2	\$72.44	\$0
	Boulevard It		0.0	1112	Ψ12.44	ΨΟ
16	Sidewa		8,911.5	m2	\$60.71	\$541,017
17		trian Railings	2.0	m	\$165.67	\$331
18	Cyclep		0.0	m2	\$23.41	\$0
19		ay (Res.)	108.0	m2	\$50.12	\$5,413
20		/ay (Comm.)	139.5	m2	\$77.68	\$10,836
21	Chain	link fencing (1.2m)	0.0	m	\$96.73	\$0
22	Screen	ning Fence (1.8)	0.0	m	\$309.15	\$0
23		Attenuation (1.8m)	0.0	m	\$683.19	\$0
	Pavement M					
24	Line S	triping	7,844.0	m	\$1.86	\$14,590
	Drainage				21-21	•
25	Ditchir		0.0	m	\$45.21	\$0
26 27		Culverts (New) Culverts (Widen)	0.0	m2 m2	\$1,798.30	\$0 \$0
28		Culverts (Widen)	36.0	m m	\$2,157.96 \$8,480.80	\$305,309
29		Culverts (Widen)	0.0	m	\$8,480.80	\$005,509
30		torm Sewer	2,215.0	m	\$508.12	\$1,125,494
31		Separators	3.0	ea.	\$44,291.00	\$132,873
32		extension	0.0	m	\$1,146.52	\$0
33	Outfall		3.0	each	\$22,677.86	\$68,034
	Protective B	arriers				
34		ing Walls	0.0	sq. m	\$663.81	\$0
35		rced Earth Wall	2,062.0	sq. m	\$500.00	\$1,031,000
36		Beam Guard Rail	170.0	m	\$72.36	\$12,301
37		tric Loaders	4.0	ea	\$3,215.00	\$12,860
38 39		etary Barriers	0.0	ea.	\$52,664.52	\$0 \$23,915
	dscaping	Jersey Barriers	360.0	m	\$66.43	\$23,915
40		ord Troop	2 245 0		¢447.50	¢260,262
41	Soddir	rard Trees	2,215.0 9,942.3	m m2	\$117.50 \$10.00	\$260,263 \$99,423
42		l & Seed	9,942.3	m2	\$4.50	\$0
C. Elec		1 G 000G	0.0	1112	ψ1.00	ΨΟ
O. Lic	Streetlighti	na				
43	In Bou		2,215.0	m	\$263.99	\$584,731
44	In Med		0.0	m	\$176.30	\$0
	Traffic Sign		0.0		Ţ	
45		orary Signals	2.0	each	\$60,598.70	\$121,197
46		I Intersection	1.0	each	\$264,677.96	\$264,678
47	Collec	tor Intersection	1.0	each	\$211,680.50	\$211,680
48		ntersection	3.0	each	\$178,737.40	\$536,212
49	Interco	nnect	1,915.0	m	\$69.44	\$132,971
	ıctures					
50		Separation		each	\$16,433,844.37	\$0
51		(New)		m2 deck area	\$2,987.40	\$11,012,160
52		(Widen)	0.0	m2 deck area	4182.366438	\$0
	cellaneous		^	0006	\$0.00	
53 54		0	0	each each	\$0.00 \$0.00	\$0 \$0
	otal All Items		0	GaGII	φυ.υυ	\$19,777,140
JUD 10		ontingency				\$4,944,285
Sub To		onangonoy				\$24,721,425
54D 10		ngineering				\$3,708,214
Grand		riginicering				\$28,429,639
Janu	. 0					Ψ±0,4±3,039
F Prop	perty					
	Reside	ential	450.0	m2	\$117.50	\$52,875
55		ri nii di	450.0	1114	φιιι.30	Ψ02,010
55 56		ercial	30 638 0	m2	\$225.00	\$6 893 550
55 56	Comm	ercial al Property	30,638.0	m2	\$225.00	\$6,893,550 \$6,946,425

Preliminary Quantities and Cost Estimate CONSTRUCTION DETAILS

Cross Avenue 18510 Project Location: From: To: Project Description: 21090 Midtown Oakville EA

NO	ITEM		ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
A. Roa		s & Drainage				
1		g and Grubbing	4.7	ha	\$10,000.00	\$47,450
2	Earth B	xcavation	41,690.0 90.927.0	m3	\$22.44 \$10.00	\$935,524 \$909,270
3		orrow ar A (150mm)	18,840.0	m3 T	\$10.00	\$909,270 \$403,553
5		ar B (450mm)	49,530.0	T	\$20.40	\$1,010,412
6		Course Asphalt (50mm)	7,970.0	Ť	\$100.00	\$797,000
7		ourse Asphalt (100mm)	12,930.0	Ť	\$95.00	\$1,228,350
8		nd overlay:	17,140.0	m2	\$15.82	\$271,134
9	Curb &	•	6,420.0	m	\$85.44	\$548,514
10		te Kill Strips	2.300.0	m	\$48.91	\$112,493
11	Subdrai		6.420.0	m	\$19.29	\$123,842
12	Shoulde		0.0	m	\$190.21	\$123,042
12	Median		0.0		Ψ130.21	Ψ
13		urbs	2,540.0	m	\$85.44	\$217,013
14		oncrete Kill Strips	2,540.0	m	\$48.91	\$124,231
15		odding	1,610.0	m2	\$10.00	\$16,100
13		avement	0.0	m2	\$70.00	\$10,100
		ard Items	0.0	1112	Ψ12.44	Ψ
16		idewalks	15,495.0	m2	\$60.71	\$940,701
17		edestrian Railings	0.0	m	\$165.67	\$940,701
18		yclepaths	930.0	m2	\$23.41	\$21,771
19		riveway (Res.)	520.0	m2	\$50.12	\$26,060
20		riveway (Res.)	1,065.0	m2	\$77.68	\$82,726
21		hain link fencing (1.2m)	0.0	m m	\$96.73	\$62,726
22		creening Fence (1.8)	0.0	m	\$309.15	\$0
23		oise Attenuation (1.8m)	0.0	m	\$683.19	\$0
23		ent Markings	0.0	101	φυου. 19	Φ0
24		ne Striping	15,660.0	m	\$1.86	\$29,128
4 4	Drainag		13,000.0	m	φ1.00	φ ∠ ઝ, I ∠ C
25		itching	0.0	m	\$45.21	\$0
26		inor Culverts (New)	0.0	m2	\$1,798.30	\$0
27		inor Culverts (Widen)	0.0	m2	\$2,157.96	\$0
28		ajor Culverts (New)	80.0	m	\$8,480.80	\$678,464
29		ajor Culverts (Widen)	0.0	m	\$8,480.80	\$078,464
30		p. Storm Sewer	3,210.0	m	\$508.12	\$1,631,077
31		il/Grit Separators	4.0	ea.	\$44,291.00	\$1,031,077
32		ewer extension	20.0	m	\$1,146.52	\$22,930
33		utfall	2.0	each	\$22,677.86	\$45,356
33		ve Barriers	2.0	eacm	\$22,077.00	φ 4 0,300
34		etaining Walls	0.0	sq. m	\$663.81	\$0
35		einforced Earth Wall	1,773.0	sq. m	\$500.00	\$886,500
36		teel Beam Guard Rail	410.0	94.111 m	\$72.36	\$29,668
37		ccentric Loaders	3.0	ea	\$3,215.00	\$9,645
38		roprietary Barriers	0.0	ea.	\$52,664.52	\$9,043
39		emp. Jersey Barriers	0.0	m	\$66.43	\$0
	dscapin		0.0		ψ00.43	Ψ
40		oulevard Trees	3,210.0	m	\$117.50	\$377,175
41		odding	10,805.0	m2	\$10.00	\$108,050
42		opsoil & Seed	0.0	m2	\$4.50	\$100,030
	ctrical	Spoon a Good	0.0	1112	ψ1.00	Ψ
C. LIE	Streetli	ahtina				
43	- 1.	<u> </u>	3 210 0	m	\$263.00	\$247 207
43		Median	3,210.0	m m	\$263.99 \$176.30	\$847,397 \$0
-1-1		Signals	0.0		φ170.30	Φ0
45		emporary Signals	2.0	each	\$60,598.70	\$121,197
46		rterial Intersection	1.0	each	\$264,677.96	\$264,678
47		ollector Intersection	3.0	each	\$211,680.50	\$635,041
48		ocal Intersection	3.0	each	\$178,737.40	\$536,212
49		terconnect	2,580.0	m	\$69.44	\$179,146
	uctures		2,500.0		Ψ001	ψ175,140
50		rade Separation	0.0	each	\$16,433,844.37	\$0
51		ridge (New)		m2 deck area	\$2,987.40	\$2,974,048
52		ridge (New) ridge (Widen)		m2 deck area	\$2,987.40 4182.366438	\$2,974,048
	cellane	,	0.0	IIIZ UCUN AIEA	T102.300430	Φ0
53		XXXXXX	0.0	cook	¢0.00	
54		ail Tack Realignment	0.0 1.0	each each	\$0.00 \$1,000,000.00	\$0 \$1,000,000
			1.0	CaUII	φ1,000,000.00	
oud I	otal All I					\$18,369,022
		5% Contingency				\$4,592,256
Sub To	_			ļļ		\$22,961,278
		5% Engineering				\$3,444,192
Grand	Total			<u>T</u>		\$26,405,469
F Prop	perty					
55	R	esidential	0.0	m2	\$117.50	\$0
56		ommercial	62,830.0	m2	\$225.00	\$14,136,750
	Si	ubtotal Property				\$14,136,750
		IMATED COST				\$40,542,219

Preliminary Quantities and Cost Estimate CONSTRUCTION DETAILS

Iroquois Shore Road Leighland Avenue Eighth Line Midtown Oakville EA Project Location: From: To: Project Description:

			ESTIMATED			
NO	ITEM		QUANTITY	UNIT	UNIT PRICE	TOTAL
	dwork's & D		4.7	h -	\$40,000,00	C47.444
2	Clearing and Earth Excava	· ·	1.7 5,780.0	ha m3	\$10,000.00 \$22.44	\$17,114 \$129,703
3	Earth Borrow		0.0	m3	\$10.00	\$129,703
4	Granular A (1		2,780.0	T	\$21.42	\$59,548
5	Granular B (4	150mm)	6,930.0	Т	\$20.40	\$141,372
6		rse Asphalt (50mm)	950.0	Т	\$100.00	\$95,000
7		Asphalt (100mm)	1,890.0	T	\$95.00	\$179,550
8	Grind and ov	,	15,795.0		\$15.82	\$249,858
9	Curb & Gutte		2,116.0	m	\$85.44	\$180,788
10 11	Concrete Kill Subdrains	Strips	0.0	m	\$48.91	\$0 \$40,818
12	Shoulders		2,116.0 0.0	m m	\$19.29 \$190.21	\$40,616 \$0
12	Median		0.0		ψ190.21	ΨΟ
13	Curbs		0.0	m	\$85.44	\$0
14		te Kill Strips	0.0	m	\$48.91	\$0
15	Soddin		0.0	m2	\$10.00	\$0
	Pavem		0.0	m2	\$72.44	\$0
	Boulevard Ite			_		<u> </u>
16	Sidewa		4,063.5	m2	\$60.71	\$246,695
17 18	Cyclepa	rian Railings	0.0	m m2	\$165.67 \$23.41	\$0 \$0
19		arns ay (Res.)	0.0	m2 m2	\$23.41 \$50.12	\$0 \$0
20		ay (Comm.)	450.0	m2	\$77.68	\$34,955
21		ink fencing (1.2m)	0.0	m	\$96.73	\$0
22	Screen	ing Fence (1.8)	0.0	m	\$309.15	\$0
23		Attenuation (1.8m)	0.0	m	\$683.19	\$0
	Pavement Ma					
24	Line St	riping	4,232.0	m	\$1.86	\$7,872
25	Drainage Ditching		0.0		\$45.21	¢o.
26		Culverts (New)	0.0	m m2	\$1,798.30	\$0 \$0
27		Culverts (Widen)	0.0	m2	\$2,157.96	\$0
28		Culverts (New)	0.0	m	\$8,480.80	\$0
29	Major C	Culverts (Widen)	0.0	m	\$8,480.80	\$0
30	Typ. St	orm Sewer	1,058.0	m	\$508.12	\$537,595
31		Separators	0.0	ea.	\$44,291.00	\$0
32		extension	0.0	m .	\$1,146.52	\$0
33	Outfall Drata stive De	arrioro.	0.0	each	\$22,677.86	\$0
34	Protective Ba	arriers ng Walls	0.0	sq. m	\$663.81	\$0
35		ced Earth Wall	0.0	sq. m	\$500.00	\$0 \$0
36		eam Guard Rail	0.0	m	\$72.36	\$0
37		ric Loaders	0.0	ea	\$3,215.00	\$0
38		tary Barriers	0.0	ea.	\$52,664.52	\$0
39		Jersey Barriers	0.0	m	\$66.43	\$0
	dscaping					
40		ard Trees	1,058.0	m	\$117.50	\$124,315
41 42	Sodding	g & Seed	2,757.5 0.0	m2 m2	\$10.00 \$4.50	\$27,575 \$0
C. Ele		& Seeu	0.0	IIIZ	ψ4.50	φυ
O. 210	Streetlightin	a				
43	In Boule		1,058.0	m	\$263.99	\$279,298
44	In Medi		0.0	m	\$176.30	\$0
	Traffic Signa		0.0			
45		rary Signals	1.0	each	\$60,598.70	\$60,599
46		Intersection	1.0	each	\$264,677.96	\$264,678
47 48		or Intersection	1.0 0.0	each	\$211,680.50 \$178,737.40	\$211,680 \$0
48	Intercor		0.0	each m	\$178,737.40	\$0 \$0
	uctures		0.0		Ψυυ4	ψΟ
50		Separation	0.0	each	\$16,433,844.37	\$0
51	Bridge			m2 deck area	\$2,987.40	\$0
52		(Widen)	0.0	m2 deck area	4182.366438	\$0
	cellaneous					
53		0	0	each	\$0.00	\$0 \$0
54	otal All Items	0	0	each	\$0.00	\$0
Sub I		ontingency				\$2,889,011 \$722,253
Sub To		orangency				\$3,611,264
JUN 11		ngineering				\$5,611,204
Grand		.59				\$4,152,953
						. , . , . , ,
F Prop	erty					
55	Reside	ntial	250.0	m2	\$117.50	\$29,375
		ercial	5,900.0	m2	\$225.00	\$1,327,500
56	Comme					
		al Property	,			\$1,356,875 \$5,509,828

Preliminary Quantities and Cost Estimate CONSTRUCTION DETAILS

NS-E Ramp CH 5000 CH 6084 Midtown Oakville EA **Project Location:** From:

To: Project Description:

NO	ITEM adwork's & Drainage		ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
			4.0	ha	\$10,000,00	Ø4E 000
2		ring and Grubbing Excavation	1.6 5,860		\$10,000.00 \$22.44	\$15,800 \$131,498
3		Borrow	11.030.0	m3	\$10.00	\$110,300
4		ular A (150mm)	1,850.0	T	\$21.42	\$39,627
5		ular B (450mm)	7,190.0	Т	\$20.40	\$146,676
6		ice Course Asphalt (50mm	2,760.0	T	\$100.00	\$276,000
7		Course Asphalt (100mm)	4,310.0	T	\$95.00	\$409,450
8		l and overlay:	0.0	m2	\$15.82	\$0
9		& Gutter	0.0	m	\$85.44	\$0
10	Subd	rete Kill Strips	0.0	m 	\$48.91	\$0
11 12	Subd		0.0	m m	\$19.29 \$190.21	\$0 \$0
12	Media		0.0	m	\$190.21	Φυ
13	ivieui	Curbs	0.0	m	\$85.44	\$0
14		Concrete Kill Strips	0.0	m	\$48.91	\$0 \$0
15		Sodding	0	m2	\$10.00	\$0
		Pavement	0.00	m2	\$72.44	\$0
	Boule	evard Items				
16		Sidewalks	0	m2	\$60.71	\$0
17		Pedestrian Railings	0	m	\$165.67	\$0
18		Cyclepaths	0	m2	\$23.41	\$0
19		Driveway (Res.)	0	m2	\$50.12 \$77.69	\$0 \$0
20	 	Driveway (Comm.) Chain link fencing (1.2m)	0	m2 m	\$77.68 \$96.73	\$0 \$0
22	 	Screening Fence (1.8)	0	m m	\$309.15	\$0 \$0
23		Noise Attenuation (1.8m)	0	m	\$683.19	\$0 \$0
	Pave	ment Markings	J		φοσο.10	ΨΟ
24		Line Striping	1,084	m	\$1.86	\$2,016
	Drain		·		·	
25		Ditching	2,168	m	\$45.21	\$98,018
26		Minor Culverts (New)	20	m2	\$1,798.30	\$35,966
27		Minor Culverts (Widen)	0	m2	\$2,157.96	\$0
28		Major Culverts (New)	60	m	\$8,480.80	\$508,848
29		Major Culverts (Widen)	0	m	\$8,480.80	\$0
30 31		Typ. Storm Sewer Oil/Grit Separators	0	m ea.	\$0.00 \$44,291.00	\$0 \$0
32		Sewer extension	0	m ea.	\$1,146.52	\$0 \$0
33		Outfall	0	each	\$22,677.86	\$0 \$0
- 00	Prote	ective Barriers		ouo	Ψ22,0.7.00	Ψΰ
34		Retaining Walls	120	sq. m	\$663.81	\$79,657
35		Reinforced Earth Wall	0	sq. m	\$500.00	\$0
36		Steel Beam Guard Rail	150	m	\$72.36	\$10,854
37		Eccentric Loaders	1	ea	\$3,215.00	\$3,215
38		Proprietary Barriers	0	ea.	\$52,664.52	\$0
39		Concrete Barriers	30	m	\$300.00	\$9,000
B Land	ascap	Boulevard Trees	0		\$117.50	¢ 0
41		Sodding	5,420	m m2	\$10.00	\$0 \$54,200
42		Topsoil & Seed	2,981	m2	\$4.50	\$13,415
C. Ele	ctrica		_,,,,,		*****	4.0,
	_	etlighting				
43		In Boulevard	1084	m	\$263.99	\$286,162
44		In Median	0	m	\$176.30	\$0
	Traff	ic Signals				
45		Temporary Signals	0	each	\$60,598.70	\$0
46		Arterial Intersection	0	each	\$264,677.96	\$0
47	<u> </u>	Collector Intersection	0	each	\$211,680.50	\$0 \$0
48 49	 	Local Intersection Interconnect	0 1084	each m	\$178,737.40 \$69.44	\$0 \$75,269
D. Stru	Ictur		1004	m	φυ σ.44	φ10,∠09
50		Grade Separation	0	each	\$16,433,844.37	\$0
51		Bridge (New)		m2 deck area	\$2,987.40	\$0 \$0
52	1	Bridge (Widen)	0		\$4,182.37	\$0
E. Mis	cellar					
53		Gantry Sign Relocation	1	each	\$175,000.00	\$175,000
54		- XXXXXX	0	each	\$0.00	\$0
Sub To	otal A	II Items				\$2,480,971
		25% Contingency				\$620,243
Sub To	otal	1.00				\$3,101,214
		15% Engineering				\$465,182
Grand	Tota	Į				\$3,566,396
F Prop	erty	Davidanti I	-		01/	.
55		Residential	0	m2	\$117.50	\$0
56		Commercial	2130	m2	\$225.00	\$479,250 \$479,250
	LF	Subtotal Property STIMATED COST		Į Į		\$4,045,646

Preliminary Quantities and Cost Estimate CONSTRUCTION DETAILS

E-NS Ramp 7000 Project Location: From:

To: Project Description: 7790 Midtown Oakville EA

NO	ITEM	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
A. Roa	adwork's & Drainage				
1	Clearing and Grubbing	1.6	ha	\$10,000.00	\$15,800
2	Earth Excavation	14,890	m3	\$22.44	\$334,132
3 4	Earth Borrow Granular A (150mm)	570.0 1,850.0	m3 T	\$10.00 \$21.42	\$5,700 \$39,627
5	Granular B (450mm)	7,190.0	T	\$20.40	\$146,676
6	Surface Course Asphalt (50mm	1,920.0	Ť	\$100.00	\$192,000
7	Base Course Asphalt (100mm)	2,920.0	Т	\$95.00	\$277,400
8	Grind and overlay:	0.0	m2	\$15.82	\$0
9	Curb & Gutter	190.0	m	\$85.44	\$16,233
10	Concrete Kill Strips	0.0	m	\$48.91	\$0
11	Subdrains	790.0	m	\$19.29	\$15,239
12	Shoulders	0.0	m	\$190.21	\$0
	Median				
13	Curbs	0.0	m	\$85.44	\$0
14 15	Concrete Kill Strips Sodding	0.0	m m2	\$48.91 \$10.00	\$0 \$0
10	Pavement	0.00	m2	\$72.44	\$0 \$0
	Boulevard Items	0.00	IIIZ	ψ12.44	ΨΟ
16	Sidewalks	0	m2	\$60.71	\$0
17	Pedestrian Railings	0	m	\$165.67	\$0
18	Cyclepaths	0	m2	\$23.41	\$0
19	Driveway (Res.)	0	m2	\$50.12	\$0
20	Driveway (Comm.)	0	m2	\$77.68	\$0
21	Chain link fencing (1.2m)	0	m	\$96.73	\$0
22	Screening Fence (1.8)	0	m	\$309.15	\$0 \$0
23	Noise Attenuation (1.8m)	0	m	\$683.19	\$0
24	Pavement Markings Line Striping	1,580	m	\$1.86	\$2,939
24	Drainage	1,300	""	ψ1.00	Ψ2,939
25	Ditching	1,580	m	\$45.21	\$71,434
26	Minor Culverts (New)	100	m2	\$1,798.30	\$179,830
27	Minor Culverts (Widen)	0	m2	\$2,157.96	\$0
28	Major Culverts (New)	60	m	\$8,480.80	\$508,848
29	Major Culverts (Widen)	0	m	\$8,480.80	\$0
30	Typ. Storm Sewer	790	m	\$508.12	\$401,418
31	Oil/Grit Separators	1	ea.	\$44,291.00	\$44,291
32	Sewer extension Outfall	0	m each	\$1,146.52 \$22,677.86	\$0 \$0
33	Protective Barriers	U	eacii	\$22,077.00	Φ0
34	Retaining Walls	100	sq. m	\$663.81	\$66,381
35	Reinforced Earth Wall	0	sq. m	\$500.00	\$0
36	Steel Beam Guard Rail	105	m	\$72.36	\$7,598
37	Eccentric Loaders	0	ea	\$3,215.00	\$0
38	Proprietary Barriers	530	ea.	\$600.00	\$318,000
39	Concrete Barriers	80	m	\$300.00	\$24,000
	dscaping			0117.50	20
40	Boulevard Trees	3.050	m m2	\$117.50	\$0
41	Sodding Topsoil & Seed	3,950 3,555	m2	\$10.00 \$4.50	\$39,500 \$15,998
C. Ele		0,000	1112	ψ1.00	ψ10,000
0. 2.0	Streetlighting				
43	In Boulevard	790	m	\$263.99	\$208,550
44	In Median	0	m	\$176.30	\$0
	Traffic Signals				
45	Temporary Signals	0	each	\$60,598.70	\$0
46	Arterial Intersection	0	each	\$264,677.96	\$0
47	Collector Intersection	0	each	\$211,680.50	\$0 \$0
48 49	Local Intersection Interconnect	790	each m	\$178,737.40 \$69.44	\$0 \$54,855
	uctures	190	111	ψ09. 44	ψ04,005
50	Grade Separation	0	each	\$16,433,844.37	\$0
51	Bridge (New)		m2 deck area	\$2,987.40	\$0
52	Bridge (Widen)	0		\$4,182.37	\$0
E. Mis	cellaneous				
53	New Sign Gantry	2	each	\$175,000.00	\$350,000
54	- XXXXXX	0	each	\$0.00	\$0
Sub T	otal All Items				\$3,336,447
	25% Contingency				\$834,112
Sub T					\$4,170,559
C== -	15% Engineering				\$625,584
Grand	lotal				\$4,796,143
E D	oorty.				
F Prop		^	m?	¢147 F0	ro.
55 56	Residential Commercial	0	m2 m2	\$117.50 \$225.00	\$0 \$0
50	Subtotal Property	- 0	1112	ΨΖΖΟ.00	\$0 \$0
TOTA	AL ESTIMATED COST				\$4,796,143

residence of the control of the cont

W-NS Ramp 2000 3255 Midtown Oakville EA To: Project Description:

			ESTIMATED		I	
NO	ITEM		QUANTITY	UNIT	UNIT PRICE	TOTAL
		k's & Drainage	2.0	ho	£40,000,00	\$20,000
2		ring and Grubbing Excavation	2.9 7800	ha m3	\$10,000.00 \$22.44	\$28,800 \$175,032
3		Borrow	7840	m3	\$10.00	\$78,400
4		ular A (150mm)	4140	T	\$21.42	\$88,679
5		ular B (450mm)	15440	T	\$20.40	\$314,976
6		ce Course Asphalt (50mm	3590	T	\$100.00	\$359,000
7		Course Asphalt (100mm)	4180	T	\$95.00	\$397,100
8		and overlay:	160	m2	\$15.82	\$2,531
9		& Gutter rete Kill Strips	1190	m m	\$85.44 \$48.91	\$101,672 \$0
11	Subd		1790	m	\$19.29	\$34.529
12	Shou		0	m	\$190.21	\$04,329
	Media				ψ100.21	Ψ0
13		Curbs	400	m	\$85.44	\$34,175
14		Concrete Kill Strips	400	m	\$48.91	\$19,564
15		Sodding	0	m2	\$10.00	\$0
		Pavement	0	m2	\$72.44	\$0
16	Boule	evard Items Sidewalks	0		\$60.71	\$0
16 17		Pedestrian Railings	0	m2 m	\$60.71 \$165.67	\$0 \$0
18		Cyclepaths	0	m2	\$23.41	\$0 \$0
19		Driveway (Res.)	0	m2	\$50.12	\$0
20		Driveway (Comm.)	104	m2	\$77.68	\$8,040
21		Chain link fencing (1.2m)	0	m	\$96.73	\$0
22		Screening Fence (1.8)	0	m	\$309.15	\$0
23	Dar	Noise Attenuation (1.8m)	0	m	\$683.19	\$0
24	rave	ment Markings Line Striping	3235	m	\$1.86	\$6,017
24	Drain		3233	111	φ1.00	φυ,017
25	Diani	Ditching	3080	m	\$45.21	\$139,251
26		Minor Culverts (New)	95	m2	\$1,798.30	\$170,839
27		Minor Culverts (Widen)	0	m2	\$2,157.96	\$0
28		Major Culverts (New)	60	m	\$8,480.80	\$508,848
29		Major Culverts (Widen)	0	m	\$8,480.80	\$0
30 31		Typ. Storm Sewer Oil/Grit Separators	695 0	m ea.	\$152.22 \$44,291.00	\$105,791 \$0
32		Sewer extension	0	m	\$1,146.52	\$0
33		Outfall	0	each	\$22,677.86	\$0
	Prote	ctive Barriers			, , , , , , , , , , , , , , , , , , , ,	* -
34		Retaining Walls	0	sq. m	\$663.81	\$0
35		Reinforced Earth Wall	0	sq. m	\$500.00	\$0
36		Steel Beam Guard Rail	65	m	\$72.36	\$4,703
37 38		Eccentric Loaders	1 0	ea	\$3,215.00 \$52,664.52	\$3,215 \$0
39		Proprietary Barriers Concrete Barriers	510	ea. m	\$300.00	\$153,000
B Land	dscar		010		φοσο.σσ	ψ100,000
40		Boulevard Trees	695	m	\$117.50	\$81,663
41		Sodding	10127	m2	\$10.00	\$101,265
42		Topsoil & Seed	4879	m2	\$4.50	\$21,954
C. Elec						
46		etlighting	.=		0000 0	****
43		In Boulevard	1760	m	\$263.99 \$176.30	\$464,617
44	Troff	In Median ic Signals	0	m	\$176.30	\$0
45	irail	Temporary Signals	1	each	\$60,598.70	\$60,599
46		Arterial Intersection	1	each	\$264,677.96	\$264,678
47		Collector Intersection	0	each	\$211,680.50	\$0
48		Local Intersection	0	each	\$178,737.40	\$0
49		Interconnect	780	m	\$69.44	\$54,160
D. Stru	ucture				0.10.100 5 1 1 5	
50		Grade Separation		each	\$16,433,844.37	\$0 \$0
51 52		Bridge (New) Bridge (Widen)		m2 deck area m2 deck area	\$2,987.40 4182.366438	\$0 \$0
E. Mis	cellar		U	IIIZ UCUN AICA	T102.300430	ΨΟ
53	Jonal	Relocate Sign Gantry	2	Ea.	\$175,000.00	\$350,000
54		Sign Gantry	1	Ea.	\$175,000.00	\$175,000
Sub To	otal A	II Items				\$4,308,097
		25% Contingency				\$1,077,024
Sub To	otal					\$5,385,121
		15% Engineering				\$807,768
Grand	Tota					\$6,192,890
F Prop	erty	Desidential	•	~~ ^	MAA7 FA	**
55	erty	Residential	0	m2	\$117.50 \$225.00	\$0 \$0
_	erty	Residential Commercial Subtotal Property	0	m2 m2	\$117.50 \$225.00	\$0 \$0 \$0

Preliminary Quantities and Cost Estimate CONSTRUCTION DETAILS

Project Location:

From:

Royal Windsor Drive Eighth Line The Canadian Road Midtown Oakville EA To: Project Description:

NO	ITEM	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
	dwork's & Drainage	7,0111111			
1	Clearing and Grubbing	3.8	ha	\$10,000.00	\$37,500
2	Earth Excavation	4,570.0	m3	\$22.44	\$102,551
3	Earth Borrow	76,920.0		\$10.00	\$769,200
4	Granular A (150mm)	6,150.0		\$21.42	\$131,733
5 6	Granular B (450mm) Surface Course Asphalt (50mm)	16,980.0 2,100.0	T T	\$20.40 \$100.00	\$346,392 \$210,000
7	Base Course Asphalt (100mm)	4,190.0		\$95.00	\$398,050
8	Grind and overlay:	2,475.0	m2	\$15.82	\$39,030
9	Curb & Gutter	2,000.0		\$85.44	\$170,877
10	Concrete Kill Strips	0.0	m	\$48.91	\$0
11	Subdrains	2.000.0	m	\$19.29	\$38,580
12	Shoulders	0.0	m	\$190.21	\$0
	Median	0.0		ψ.00.2.	Ψ
13	Curbs	2,000.0	m	\$85.44	\$170,877
14	Concrete Kill Strips	2,000.0	m	\$48.91	\$97,820
15	Sodding	4,500.0	m2	\$10.00	\$45,000
	Pavement	0.0	m2	\$72.44	\$0
	Boulevard Items				
16	Sidewalks	2,976.0	m2	\$60.71	\$180,673
17	Pedestrian Railings	2.0	m	\$165.67	\$331
18	Cyclepaths	275.0	m2	\$23.41	\$6,438
19	Driveway (Res.)	0.0	m2	\$50.12	\$0
20	Driveway (Comm.)	48.0	m2	\$77.68	\$3,728
21	Chain link fencing (1.2m)	0.0	m	\$96.73	\$0
22	Screening Fence (1.8)	0.0	m	\$309.15	\$0
23	Noise Attenuation (1.8m)	0.0	m	\$683.19	\$0
24	Pavement Markings Line Striping	5,060.0		\$1.86	¢0.440
24	Drainage	5,060.0	m	\$1.86	\$9,412
25	Ditching	0.0	m	\$45.21	\$0
26	Minor Culverts (New)	102.5	m2	\$1.798.30	\$184,326
27	Minor Culverts (Widen)	0.0	m2	\$2,157.96	\$104,320
28	Major Culverts (New)	140.0	m	\$8,480.80	\$1,187,312
29	Major Culverts (Widen)	0.0	m	\$8,480.80	\$0
30	Typ. Storm Sewer	1,000.0	m	\$508.12	\$508,124
31	Oil/Grit Separators	2.0	ea.	\$44,291.00	\$88,582
32	Sewer extension	0.0	m	\$1,146.52	\$0
33	Outfall	2.0	each	\$22,677.86	\$45,356
	Protective Barriers				
34	Retaining Walls	0.0	sq. m	\$663.81	\$0
35	Reinforced Earth Wall	2,307.0		\$500.00	\$1,153,500
36	Steel Beam Guard Rail	1,015.0	m	\$72.36	\$73,445
37	Eccentric Loaders	4.0		\$3,215.00	\$12,860
38 39	Proprietary Barriers	0.0	ea.	\$52,664.52 \$66.43	\$0 \$3,322
	Temp. Jersey Barriers dscaping	50.0	m	\$66.43	
40	Boulevard Trees	1,000.0	m	\$117.50	\$117,500
40	Sodding Sodding	4,942.0	m m2	\$117.50	\$117,500 \$49,420
42	Topsoil & Seed	0.0	m2	\$4.50	\$49,420
C. Elec		0.0		ψ-1.50	ΨΟ
	Streetlighting	1			
43	In Boulevard	1,000.0	m	\$263.99	\$263,987
44	In Median	0.0	m	\$176.30	\$0
	Traffic Signals	0.0			**
45	Temporary Signals	3.0	each	\$60,598.70	\$181,796
46	Arterial Intersection	3.0	each	\$264,677.96	\$794,034
47	Collector Intersection	1.0	each	\$211,680.50	\$211,680
48	Local Intersection	0.0	each	\$178,737.40	\$0
49	Interconnect	1,000.0	m	\$69.44	\$69,436
	uctures				
50	Grade Separation		each	\$16,433,844.37	\$0
51	Bridge (New)		m2 deck area	\$2,987.40	\$4,170,900
52	Bridge (Widen)	1,535.4	m2 deck area	4182.366438	\$6,421,417
	cellaneous	_			2.1
53	- XXXXXX		Ea.	0	\$0 \$0
54	- XXXXXX	0	Ea.	0	\$0 \$19 205 210
oub l	otal All Items				\$18,295,310
Quil T	25% Contingency				\$4,573,827 \$22,860,137
Sub To					\$22,869,137 \$3,430,371
Grand	15% Engineering				\$3,430,371 \$26,299,508
Grand	ı olai				φ∠υ,∠99,308
F Prop	porty				
_	•	0.0	m?	\$447 FA	6 0
E E	Decidentic!	. ()()	m2	\$117.50	\$0
55 56	Residential		m?	\$20E 00	PEC 0E0
55 56	Commercial	250.0	m2	\$225.00	\$56,250 \$56,250
56			m2	\$225.00	\$56,250 \$56,250 \$26,355,758

Preliminary Quantities and Cost Estimate
CONSTRUCTION DETAILS
Project Location:

AT Crossing West AT Crossing West Argus Road Oakville Place Midtown Oakville EA From: To: Project Description:

NO	ITEM		ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
		k's & Drainage	QUANTITI	UNII	UNII FRICE	TOTAL
		ng and Grubbing	0.4	ha	\$10,000.00	\$3,600
		Excavation	0.0	m3	\$22.44	\$0
3		Borrow ılar A (150mm)	10,340.0 590.0	m3 T	\$10.00 \$21.42	\$103,400 \$12,638
5		ılar B (450mm)	0.0	T	\$20.40	\$12,036
		ce Course Asphalt (50mm)	0.0	T	\$100.00	\$0
		Course Asphalt (100mm)	410.0	Т	\$95.00	\$38,950
8		and overlay:	0.0	m2	\$15.82	\$0
9		& Gutter	0.0	m	\$85.44	\$0
10 11	Subdr	ete Kill Strips	1,080.0	m m	\$48.91 \$19.29	\$0 \$20,833
12	Should		0.0	m	\$190.21	\$20,833
	Media		0.0		ψ1001 <u>2</u> 1	Ψ0
13		Curbs	0.0	m	\$85.44	\$0
14		Concrete Kill Strips	0.0	m	\$48.91	\$0
15		Sodding	0.0	m2	\$10.00	\$0
		Pavement vard Items	0.0	m2	\$72.44	\$0
16		Sidewalks	0.0	m2	\$60.71	\$0
17		Pedestrian Railings	775.0	m	\$165.67	\$128,394
18		Cyclepaths	0.0	m2	\$23.41	\$0
19		Driveway (Res.)	0.0	m2	\$50.12	\$0
20		Driveway (Comm.)	0.0	m2	\$77.68	\$0
21		Chain link fencing (1.2m) Screening Fence (1.8)	0.0	m m	\$96.73 \$309.15	\$0 \$0
23		Noise Attenuation (1.8m)	0.0	m	\$683.19	\$0
		ment Markings	0.0		φοσο. το	+ + + + + + + + + + + + + + + + + + +
24		Line Striping	0.0	m	\$1.86	\$0
	Draina					
25		Ditching	0.0	m	\$45.21	\$0
26 27		Minor Culverts (New) Minor Culverts (Widen)	0.0	m2 m2	\$1,798.30 \$2,157.96	\$0 \$0
28		Major Culverts (New)	0.0	m	\$8,480.80	\$0
29		Major Culverts (Widen)	0.0	m	\$8,480.80	\$0
30		Typ. Storm Sewer	0.0	m	\$508.12	\$0
31		Oil/Grit Separators	0.0	ea.	\$44,291.00	\$0
32		Sewer extension	0.0	m	\$1,146.52	\$0
33		Outfall ctive Barriers	0.0	each	\$22,677.86	\$0
34		Retaining Walls	820.8	sq. m	\$663.81	\$544,822
35		Reinforced Earth Wall	0.0	sq. m	\$500.00	\$0
36	,	Steel Beam Guard Rail	0.0	m	\$72.36	\$0
37		Eccentric Loaders	0.0	ea	\$3,215.00	\$0
38		Proprietary Barriers	0.0	ea.	\$52,664.52	\$0
39 B Land		Temp. Jersey Barriers	0.0	m	\$66.43	\$0
40	_	Boulevard Trees	0.0	m	\$117.50	\$0
41		Sodding	540.0	m2	\$10.00	\$5,400
42		Topsoil & Seed	0.0	m2	\$4.50	\$0
C. Elec						
		tlighting				A
43	_	In Boulevard	540.0	m m	\$263.99 \$176.30	\$142,553 \$0
44		In Median c Signals	0.0	m	\$176.30	\$0
45		Temporary Signals	0.0	each	\$60,598.70	\$0
46		Arterial Intersection	0.0	each	\$264,677.96	\$0
47	-	Collector Intersection	0.0	each	\$211,680.50	\$0
48		Local Intersection	0.0	each	\$178,737.40	\$0
49 D. Str u		Interconnect	0.0	m	\$69.44	\$0
50		s Grade Separation	0.0	each	\$16,433,844.37	\$0
51		Bridge (New)		m2 deck area	\$2,987.40	\$1,702,819
52		Bridge (Widen)		m2 deck area	4182.366438	\$0
E. Mis	cellan	eous				
53		- XXXXXX	0	each	\$0.00	\$0
54	أببا	- XXXXXX	0	each	\$0.00	\$0
Sub To						\$2,703,409 \$675,852
Cub T		25% Contingency				
Sub To		15% Engineering				\$3,379,261 \$506,889
Grand		1070 Engineering				\$3,886,151
						,
				i		
F Prop	erty			<u> </u>		
F Prop		Residential	0.0	m2	\$117.50	\$0
F Prop		Residential Commercial Subtotal Property	0.0 3,400.0	m2 m2	\$117.50 \$225.00	\$0 \$765,000 \$765,000

Preliminary Quantities and Cost Estimate

CONSTRUCTION DETAILS

Residential

Commercial

TOTAL ESTIMATED COST

Subtotal Prop

56

 Project Location:
 AT Crossing East

 From:
 Iroquois Shore Road

 To:
 Cross Avenue

Project Description: Midtown Oakville EA QUANTITY UNIT UNIT PRICE TOTAL A. Roadwork's & Drainage 1 Clearing and Grubbing ha \$10,000.00 \$7,100 0.0 \$22.44 Earth Excavation m3 Earth Borrow 5,090.0 \$10.00 \$50,900 m3 4 Granular A (150mm) \$4,498 210.0 \$21.42 5 Granular B (450mm) 0.0 \$20.40 Surface Course Asphalt (50mm 0.0 \$100.00 \$0 Base Course Asphalt (100mm) 140.0 \$95.00 300 8 Grind and overlay: 0.0 m2 \$15.82 \$0 9 Curb & Gutter 0.0 \$85.44 \$0 m 10 Concrete Kill Strips 0.0 m \$48.91 \$0 11 Subdrains \$0 0.0 \$19.29 m 12 Shoulders \$72,280 380.0 \$190.21 m Median 13 Curbs 0.0 m \$85 44 \$0 Concrete Kill Strips 14 0.0 m \$48.91 \$0 \$10.00 \$0 15 Sodding 0.0 m2 \$0 Pavement 0.0 \$72.44 m2 Boulevard Items 16 Sidewalks 0.0 m2 \$60.71 Pedestrian Railings 380.0 \$165.67 \$62 ,955 m 18 0.0 \$0 Cyclepaths m2 19 Driveway (Res.) 0.0 \$50.12 \$0 m2 20 Driveway (Comm.) 0.0 m2 \$77.68 \$0 Chain link fencing (1.2m) 0.0 m \$96.73 \$0 Screening Fence (1.8) 0.0 m \$309.15 \$0 23 Noise Attenuation (1.8m) 0.0 m \$683.19 Pavement Markings 0.0 \$1.86 \$0 24 Line Striping m Drainage Ditching 25 380.0 \$45.21 \$17,180 m Minor Culverts (New) \$1,798.30 26 0.0 m2 Minor Culverts (Widen) \$2,157.96 27 0.0 m2 \$0 \$0 28 Major Culverts (New) 0.0 \$8,480.80 m 29 Major Culverts (Widen) 0.0 m \$8,480.80 \$0 \$0 30 Typ. Storm Sewer 0.0 m \$508.12 31 Oil/Grit Separators 0.0 ea. \$44,291,00 \$0 32 Sewer extension 0.0 m \$1 146 53 \$0 \$0 33 \$22,677.86 Outfall 0.0 each Protective Barriers 34 0.0 \$663.81 \$0 Retaining Walls sa. m 35 Reinforced Earth Wall \$500.00 \$0 0.0 sq. m Steel Beam Guard Rail 0.0 m 37 0.0 \$3,215.00 \$0 Eccentric Loaders ea 38 Proprietary Barriers \$52,664.52 \$0 0.0 ea. 39 Temp. Jersey Barriers 0.0 m \$66.43 \$0 B Landscaping 40 Boulevard Trees m 41 Sodding 1,650.0 \$10.00 \$16,500 m2 Topsoil & Seed 42 5,790.0 m2 \$4.50 \$26,055 C. Electrical Streetlighting 43 In Boulevard 330.0 \$263.99 \$87,116 m 44 In Median 0.0 \$176.30 m \$0 Traffic Signals 45 Temporary Signals 0.0 each \$60,598.70 \$0 \$0 \$264.677.96 46 Arterial Intersection 0.0 each \$0 47 Collector Intersection 0.0 each \$211 680 50 \$178,737,40 48 Local Intersection 0.0 each \$0 49 0.0 \$69.44 \$0 Interconnect m D. Structures 50 Grade Separation 0.0 each 16 433 844 37 \$0 \$2,987.40 4182.366438 \$9,559,685 51 Bridge (New) 3,200.0 m2 deck area 52 Bridge (Widen) 0.0 m2 deck area E. Miscellaneous 53 - xxxxxx each \$0 \$0.00 \$0 54 - xxxxxx 0 each Sub Total All Items \$9.917.569 \$2 479 392 25% Contingency Sub Total \$12,396,961 15% Engineering \$1 859 544 \$14,256,505 Property

m2

m2

\$0

\$14,256,505

0.0