

APPENDIX G

Preliminary Preferred Design Alternative Cost Estimates:

- **Interim Stage Cost Estimates**
- **Ultimate Stage Cost Estimates**

Cost Estimate for Harvie Road / Big Bay Point Road
Preferred Alternative 2b - Crossing over Highway 400, excludes Highway 400 Staging Costs
INTERIM STAGE FOR 5 LANE HARVIE OVER 6 LANE HIGHWAY 400

	Item	Length	Width	Area	Unit	Qty.*	Unit Price	Total
1	5 Lane Crossing Structure for 6 Lane Highway 400	40	32.5	1300	m2	1300	\$ 3,000	\$ 3,900,000
2	Earthworks				m3	100000	\$ 7	\$ 700,000
3	Harvie/Big Bay Point Road	1.25			km		\$ 3,272,110	\$ 4,090,138
4	Remove Rail Crossing				1	LS	\$ 1,200,000	\$ 1,200,000
5	Traffic Signals				2	ea	\$ 250,000	\$ 500,000
6	Whiskey Creek Culvert/SWM (Design Required)	490			m		\$ 7,500	\$ 3,675,000
7	Fairview Road Widening	0.3			km	1	\$ 1,000,000	\$ 300,000
8	Hwy 400 Median Improvement allowance- Barrie portion				LS	1		\$ 1,000,000
							Subtotal:	\$ 15,365,138
	Contingency (30% of Construction Sub-total)							\$ 4,609,541
	Utility Relocation (10% of Sub-total)							\$ 1,536,514
	Engineering (15% of Sub-total)							\$ 2,304,771
	HST (1.76% of Sub-total)							\$ 270,426
							Subtotal:	\$ 24,086,390
	Land				ha	4.1	\$ 500,000.00	\$ 2,050,000
							Total:	\$ 26,136,390

Note: build without Highway shifts/staging costs

Note: consider retaining walls in design

9+400 to 10+650

Note:100 year, use 1.8m dia for pricing purposes

* Ballpark estimate only, excluding any additional staging costs, or taxes

Note: prices are based on Barrie road costs and MTO Parametric Estimating Guideline, structural unit rate increased

Note: Costs may vary as other studies are completed and further detailed analysis completed

Cost Estimate for Harvie Road / Big Bay Point Road
Preferred Alternative 2b - Crossing over Highway 400, excludes Highway 400 Staging Costs
ULTIMATE STAGE FOR 7 LANE HARVIE OVER 10 LANE HIGHWAY 400

	Item	Length	Width	Area	Unit	Qty.*	Unit Price	Total
1	7 Lane Crossing Structure for 10 Lane Highway 400	40	47.5	1900	m2	1900	\$ 3,000	\$ 5,700,000
2	Earthworks				m3	100000	\$ 7	\$ 700,000
3	Harvie/Big Bay Point Road	1.25			km		\$ 1,500,000	\$ 1,875,000
4	Remove Rail Crossing				LS	0	\$ 1,200,000	
5	Traffic Signals				ea	0	\$ 250,000	
6	Whiskey Creek Culvert/SWM	0			m		\$ 7,500	\$ -
7	Fairview Road Widening	0			km	1	\$ 1,000,000	\$ -
8	Potential Preferred interchange				LS	1	\$ 10,000,000	\$ 10,000,000
							Subtotal:	\$ 18,275,000
	Contingency (30% of Construction Sub-total)							\$ 5,482,500
	Utility Relocation (10% of Sub-total)							\$ 1,827,500
	Engineering (15% of Sub-total)							\$ 2,741,250
	HST (1.76% of Sub-total)							\$ 321,640
							Subtotal:	\$ 28,647,890
	Land				ha	2.8	\$ 500,000.00	\$ 1,400,000
							Total:	\$ 30,047,890

Note: build without Highway shifts/staging costs, 40*7.5 widening+40*40 second span

Note: consider retaining walls in design

9+400 to 10+650

Note:100 year, use 1.8m dia for pricing purposes

* Ballpark estimate only, excluding any additional staging costs, or taxes

Note: prices are based on Barrie road costs and MTO Parametric Estimating Guideline, structural unit rate increased

Note: Costs may vary as other studies are completed and further detailed analysis completed

POTENTIAL PREFERRED INTERCHANGE ITEM:

Cost of ramp construction is based on 1550 m long 1 lane*\$2M/km=\$3M plus 1250m long 2 lane*\$4M/km=\$5M plus allowances to \$10M

