

Proposal	Description	Major Items	Length/Unit	Unit Cost (\$M)	Cost (\$M)	SUBTOTAL COST (\$M)	ENGINEERING DESIGN, GRADING, ROCK EXCAVATIONS, REMOVALS, AND UTILITY RELOCATIONS (50%) (\$M)	LAND COSTS (10%) (\$M)	TOTAL COST (\$M)	
1	East-West Collector Road A (2-lane)	a	New 2-lane urban road with bike lanes (short term)	5.7 km	1.4	7.98	8.0	4.0	0.8	12.8
		b	New 2-lane urban road with bike lanes (medium term)	2.7 km	1.4	3.8	3.8	1.9	0.4	6.0
		c	New traffic signals at intersections with cross-streets (short term)	4 unit	0.15	0.6	0.6	0.3	0.1	1.0
		d	New traffic signals at intersections with cross-streets (medium term)	2 unit	0.15	0.3	0.3	0.2	0.0	0.5
		e	At-grade railway crossing btw. 2nd Concession and Leslie (short term)	1 unit	0.3	0.3	0.3	0.2	0.0	0.5
		f	New 2-lane bridge over small watercourse btw. 2nd Concession and Leslie (13m wide x 20m span) (medium term)	260 m2	0.0025	0.65	0.7	0.3	0.1	1.0
		g	New 2-lane bridge over the creek btw. 2nd Concession and Leslie (13m wide x 50m span) (medium term)	650 m2	0.0025	1.625	1.6	0.8	0.2	2.6
		h	New 2-lane bridge over the creek btw. Yonge Street and 2nd Concession (13m wide x 20m span) (medium term)	260 m2	0.0025	0.65	0.7	0.3	0.1	1.0
		Sub-total						15.9	7.9	1.6
2	North-South Mid-Block Collector Rd.	a	New 2-lane urban road with bike lanes from Green Lane to Doane Road	4.0 km	1.4	5.6	5.6	2.8	0.6	9.0
		b	New 2-lane bridge over watercourse (13m wide x 40m span)	520 m2	0.0025	1.3	1.3	0.7	0.1	2.1
		c	New 2-lane bridge over watercourse (13m wide x 40m span)	520 m2	0.0025	1.3	1.3	0.7	0.1	2.1
		d	New traffic signals at intersections with cross-streets	2 unit	0.15	0.3	0.3	0.2	0.0	0.5
		Sub-total						8.5	4.3	0.9
3	Sharon East Employment Collector	a	New 2-lane urban road from Farr Avenue to Doane Road	1.6 km	1.2	1.92	1.9	1.0	0.2	3.1
		b	New 2-lane bridge over watercourse (13m wide x 20m span)	260 m2	0.0025	0.65	0.7	0.3	0.1	1.0
		c	New traffic signals at intersections with cross-streets	2 unit	0.15	0.3	0.3	0.2	0.0	0.5
		Sub-total						2.9	1.4	0.3
4	Thompson Drive Extension	a	New 2-lane urban road from 2nd Concession Road to Leslie Street	2.0 km	1.2	2.42	2.4	1.2	0.2	3.9
		b	New 2-lane urban road from Leslie Street to Sharon East Employment Collector	1.6 km	1.2	1.92	1.9	1.0	0.2	3.1
		c	New 2-lane bridge over watercourse between Woodbine Ave. and Leslie St. (13m wide x 20m span)	260 m2	0.0025	0.65	0.7	0.3	0.1	1.0
		d	New 2-lane bridge over watercourse between Leslie St. and 2nd Concession Rd. (13m wide x 20m span)	260 m2	0.0025	0.65	0.7	0.3	0.1	1.0
		f	New traffic signals at intersections with cross-streets	4 unit	0.15	0.6	0.6	0.3	0.1	1.0
		Sub-total						6.2	3.1	0.6

Notes: (1) Engineering design, grading, rock excavations, removals and utility relocations have been assumed to be 50% of project construction cost totals.

(2) Land costs have been assumed to be 10% of project construction cost totals.

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5	Doane Road Extension	a	New 2-lane bridge over watercourse (13m wide x 250m span)	3250	m2	0.0025	8.13	8.1	4.1	0.8	13.0
		b	New 2-lane urban road west of Yonge Street	0.5	km	1.2	0.60	0.6	0.3	0.1	1.0
		Sub-total						8.7	4.4	0.9	14.0
6a	Mt. Albert Road Extension A (traditional crossing)	a	New 2-lane rural road from Yonge Street to new bridge	0.6	km	0.9	0.54	0.5	0.3	0.1	0.9
		b	New 2-lane rural road from Hwy 11 to new bridge	0.21	km	0.9	0.189	0.2	0.1	0.0	0.3
		c	New signalized intersection at Hwy 11	1	unit	0.15	0.15	0.2	0.1	0.0	0.2
		d	New at-grade railway crossing	1	unit	0.3	0.3	0.3	0.2	0.0	0.5
		e	New 2-lane bridge over the entire floodplain (13m wide x 250m span)	3250	m2	0.0025	8.125	8.1	4.1	0.8	13.0
Sub-total						9.3	4.7	0.9	14.9		
6b	Mt. Albert Road Extension B (bridge crossing)	a	New 2-lane rural road from Yonge Street to new bridge	0.5	km	0.9	0.45	0.5	0.2	0.0	0.7
		b	New 2-lane rural road from Hwy 11 to bridge (5% grade up 8m vertical, 160m)	0.16	km	0.9	0.144	0.1	0.1	0.0	0.2
		c	New 2-lane bridge over the entire floodplain and railway (13m wide x 400m span)	5200	m2	0.0025	13	13.0	6.5	1.3	20.8
		d	New signalized intersection at Hwy 11	1	unit	0.15	0.15	0.2	0.1	0.0	0.2
Sub-total						13.7	6.9	1.4	22.0		
7	Harry Walker Extension	a	New 2-lane urban road with bike lanes	0.6	km	1.4	0.84	0.8	0.4	0.1	1.3
		b	New 2-lane bridge over watercourse (13m wide x 25m span)	325	m2	0.0025	0.81	0.8	0.4	0.1	1.3
		c	New traffic signals at intersection with Green Lane	1	unit	0.15	0.15	0.2	0.1	0.0	0.2
Sub-total						1.8	0.9	0.2	2.9		
8	North Queensville Local Roads	a	New 2-lane urban road with bike lanes	5.3	km	1.4	7.42	7.4	3.7	0.7	11.9
		b	New 2-lane bridge over watercourse (13m wide x 25m span)	325	m2	0.0025	0.81	0.8	0.4	0.1	1.3
		c	New 2-lane bridge over watercourse (13m wide x 40m span)	520	m2	0.0025	1.30	1.3	0.7	0.1	2.1
		d	New traffic signals at intersections	4	unit	0.15	0.6	0.6	0.3	0.1	1.0
Sub-total						10.1	5.1	1.0	16.2		
TOTAL FOR ALL PROJECTS (WITH HIGHEST COST ESTIMATE FOR ALTERNATIVE OPTIONS)									\$ 108.6		

Notes: (1) Engineering design, grading, rock excavations, removals and utility relocations have been assumed to be 50% of project construction cost totals.

(2) Land costs have been assumed to be 10% of project construction cost totals.