

Lakeshore Connecting Communities Study Capital Cost Estimates Summary

Segment	Approximate Length (km)	Roadway Construction		Rapidway Median Platform	Curb Side Bus Shelter	Landscaping	Traffic Signal and Illumination	Major Structure		Structural Culverts		Contingency		Subtotal	
		Widening and Rehabilitation	Widening and Reconstruction					Widening and Rehabilitation	Replacement	Minor Rehabilitation	Major Rehabilitation	Low Range (20%)	High Range (50%)	Low Range	High Range
1 Winston Churchill Drive to Southdown Road	2.2	\$ 11,481,400	\$ 14,953,400		\$ 400,000	\$ 2,200,000	\$ 2,000,000			\$ 160,000	\$ 1,394,000	\$ 3,249,000	\$ 10,474,000	\$ 19,491,000	\$ 31,422,000
2 Southdown Road to Johnson's Lane	1.6	\$ 7,287,000	\$ 9,487,800		\$ 500,000	\$ 2,921,000	\$ 3,000,000	\$ 3,915,000	\$ 7,495,000			\$ 3,525,000	\$ 11,702,000	\$ 21,148,000	\$ 35,106,000
3 Johnson's Lane to Shawnmarr Road	2.7	\$ 11,366,600	\$ 14,802,200		\$ 550,000	\$ 2,700,000	\$ 1,500,000			\$ 196,000	\$ 2,463,000	\$ 3,263,000	\$ 11,008,000	\$ 19,576,000	\$ 33,024,000
4 Shawnmarr Road to Mississauga Road	1.0	\$ 4,233,600	\$ 5,513,200		\$ 400,000	\$ 1,453,000	\$ 2,000,000					\$ 1,618,000	\$ 4,684,000	\$ 9,705,000	\$ 14,051,000
5 Mississauga Road to Seneca Avenue	2.0	\$ 8,380,400	\$ 10,914,400		\$ 600,000	\$ 5,000,000	\$ 3,500,000	\$ 6,855,000	\$ 12,808,000			\$ 4,868,000	\$ 16,412,000	\$ 29,204,000	\$ 49,235,000
6 Seneca Avenue to Cawthra Road	1.3	\$ 6,483,400	\$ 8,443,400		\$ 350,000	\$ 2,455,000	\$ 2,000,000	\$ 2,725,000	\$ 5,344,000			\$ 2,803,000	\$ 9,297,000	\$ 16,817,000	\$ 27,890,000
7 Cawthra Road to Etobicoke Creek	2.4	\$ 15,209,600	\$ 19,807,200	\$ 9,000,000	\$ 650,000	\$ 2,370,000	\$ 3,500,000			\$ 850,000	\$ 4,602,000	\$ 6,316,000	\$ 19,965,000	\$ 37,896,000	\$ 59,895,000
													Total	\$ 153,837,000	\$ 250,623,000

Notes:

1. Property costs are not included.
2. Roadway construction cost includes grading, drainage, urban sections, paving, granular materials, pavement markings, traffic control, roadside safety and utility relocation.
3. Landscaping cost includes enhanced landscaping features such as soil cell system.
4. Contingency range covers scope changes, unknown complexities, labour and material shortages, staging and diversion route construction, and market adjustments

Lakeshore Connecting Communities Study Capital Cost Estimates				Roadway		Utility Relocations		Rapidway Median Platform	Curbside Bus Shelter	Landscaping	Enhanced Landscape Features	Traffic Signal and Illumination	Major Structure (assume concrete bridges)		Structural culvert (concrete)		Roadway Protection		Water Control Cost		Contingency		Subtotal			
Segment	Length (km)	Lanes	Total (km)	other additional work	Widening and Rehabilitation (+100% cost for urban section)	Widening and Reconstruction (+100% cost for urban section)	Widening and Rehabilitation (additional 40% of roadway cost)						Widening and Reconstruction (additional 40% of roadway cost)	Widening and Rehabilitation	Replacement (including removal - 15% of new structure)	Minor Rehabilitation (extension)	Major Rehabilitation (replacement)	low	high	low	high	low	high	low	high	low
				unit price	\$ 688,000	\$ 896,000			\$ 1,500,000	\$ 50,000	\$ 1,000,000	\$ 800	\$ 500,000	\$ 3,500	\$ 6,325	\$ 3,000	\$ 6,900	\$ 50,000	\$ 300,000	\$ 50,000	\$ 300,000	20%	50%			
1	0.71	6	4.26	culvert	20 m2 (extension) minor rehab.	115 m2 (replacement) major rehab.									\$ 60,000	\$ 794,000	\$ 50,000	\$ 300,000	\$ 50,000	\$ 300,000						
	0.105	7	0.735	curb side bus shelter	8				\$ 400,000																	
	1.385	5	6.925	signalized intersection	4								\$ 2,000,000													
	2.2		11.92						\$ 2,200,000													\$ 3,249,000	\$ 10,474,000	\$ 19,491,000	\$ 31,422,000	
2A	0.22	6	1.32	bridge rehab/widen	900 m2								\$ 3,150,000	\$ 5,693,000			\$ 50,000	\$ 300,000	\$ 50,000	\$ 300,000						
	0.195	5	0.975	CN bridge rehab/widen	190 m2								\$ 665,000	\$ 1,202,000												
	0.06	4	0.24	signalized intersection	1																					
	0.475		2.535	curb side bus shelter	3				\$ 150,000																	
2B	0.115	5	0.575	curb side bus shelter	2				\$ 100,000																	
	0.23	4	0.92	signalized intersection	2																					
	0.345		1.495																							
2C	0.13	5	0.65	curb side bus shelter	4				\$ 200,000																	
	0.213	4	0.852	signalized intersection	2																					
	0.343		1.502																							
2D	0.12	4	0.48	curb side bus shelter	1				\$ 50,000																	
	0.31	5	1.55	soil cell	1660 m2							\$ 1,328,000														
	0.43		2.03	signalized intersection	1							\$ 500,000														
Total 2:	1.593		7.562						\$ 500,000	\$ 1,593,000			\$ 3,000,000													
					\$ 1,397,000	\$ 1,819,000	\$ 558,800	\$ 727,600															\$ 3,525,000	\$ 11,702,000	\$ 21,148,000	\$ 35,106,000
3	0.2	6	1.2	culvert	32 m2 (extension) minor rehab.	270 m2 (replacement) major rehab.									\$ 96,000	\$ 1,863,000	\$ 50,000	\$ 300,000	\$ 50,000	\$ 300,000						
	0.6	5	3	signalized intersection	3								\$ 1,500,000													
	1.9	4	7.6	curb side bus shelter	11				\$ 550,000																	
	2.7		11.8						\$ 2,700,000																	
					\$ 8,119,000	\$ 10,573,000	\$ 3,247,600	\$ 4,229,200															\$ 3,263,000	\$ 11,008,000	\$ 19,576,000	\$ 33,024,000
4	0.455	5	2.275	curb side bus shelter	8				\$ 400,000																	
	0.53	4	2.12	signalized intersection	4								\$ 2,000,000													
	0.985		4.395	soil cell	585 m2				\$ 985,000			\$ 468,000														
					\$ 3,024,000	\$ 3,938,000	\$ 1,209,600	\$ 1,575,200																		
5A-B-C	0.54	5	2.7	bridge rehab/widen	1930 m2				\$ 600,000				\$ 6,755,000	\$ 12,208,000			\$ 50,000	\$ 300,000	\$ 50,000	\$ 300,000						
	1.5	4	6	curb side bus shelter	12																					
				signalized intersection	7								\$ 3,500,000													
	2.04		8.7	soil cell	3700 m2				\$ 2,040,000			\$ 2,960,000														
					\$ 5,986,000	\$ 7,796,000	\$ 2,394,400	\$ 3,118,400																		
6	1.15	5	5.75	bridge rehab/widen	750 m2								\$ 2,625,000	\$ 4,744,000			\$ 50,000	\$ 300,000	\$ 50,000	\$ 300,000						
	0.065	4	0.26	curb side bus shelter	7				\$ 350,000																	
				signalized intersection	4								\$ 1,120,000													
	0.12	6	0.72	soil cell	1400 m2																					
	1.335		6.73						\$ 1,335,000																	
					\$ 4,631,000	\$ 6,031,000	\$ 1,852,400	\$ 2,412,400																		
7	1.305	8	10.44	culvert	250 m2 (extension) minor rehab.	580 m2 (replacement) major rehab.									\$ 750,000	\$ 4,002,000	\$ 50,000	\$ 300,000	\$ 50,000	\$ 300,000						
	0.38	4	1.52	Rapidway Median Platform	6				\$ 9,000,000																	
	0.28	5	1.4	signalized intersection	7								\$ 3,500,000													
	0.405	6	2.43	curb side bus shelter	13				\$ 650,000																	
	2.37		15.79						\$ 2,370,000																	
					\$ 10,864,000	\$ 14,148,000	\$ 4,345,600	\$ 5,659,200																		