

**PRELIMINARY CONSTRUCTION ESTIMATE**

Date: July 2012

Project No.:

ROAD Bovaird Drive  
From: 1.45km west of Heritage Road

To: Lake Louise / Worthington Avenue

Description:

Component/Category	Item Description	Units	Unit Price	Quantity	Sub Total	Total	
Design/Contract	Engineering (15%)	Lump Sum		15%		\$5,177,345	
	Overall Contingency (20%)	Lump Sum		20%		\$6,903,126	
Property	Strip property purchase	ha	\$750,000	3.56		\$2,670,000	
Utility Relocation	Relocate Hydro, Gas, Bell	Lump Sum	\$1,500,000	1		\$1,500,000	
Construction	Excavation/Earthworks	m3	\$12	111000		\$1,332,000	
	Install storm sewer	m per diam	\$400	5000		\$2,000,000	
	150mm Granular 'A'	tonne	\$20	25500		\$510,000	
	600mm Granular 'B'	tonne	\$18	84650		\$1,523,700	
	Asphalt Base	tonne	\$100	37000		\$3,700,000	
	Asphalt Top	tonne	\$120	12000		\$1,440,000	
	Install curb and gutter	m	\$60	10000		\$600,000	
	Install subdrains	m	\$20	10000		\$200,000	
	Install catch-basin leads	m	\$275	2000		\$550,000	
	Install catch-basin @ 70m spacing	each	\$2,200	72		\$158,400	
	Install manhole @ 70m spacing	each	\$5,000	72		\$360,000	
	Asphalt planing	m2	10	29098		\$290,980	
	Asphalt pulverizing	m2	5	33582		\$167,910	
		<b>Sub Total</b>					\$12,374,100
		Minor Roadwork and Drainage Items (including clearing and grubbing, ditching, topsoil stripping, minor earth borrow, breaking into ex. Pipe/structure, pavement markings, signage, proof rolling, tack coat, silt fence, tree protection, ect.)			10%		\$1,237,410
		Reconstruction Costs (incl. sawcutting, asphalt removal, MH/CB/WV/VCH adjustments, culvert removal, CB removal, curb removal, traffic control, ect.)			3.75%		\$510,432
Streetlights	Both sides @ 50m spacing	each	\$5,400	100		\$540,000	
Traffic Signals	Permanent 4 - way	each	\$275,000	4		\$1,100,000	
Culverts	Extension of Existing	m	\$4,000	100		\$400,000	
Bridges	Replace Westbound CN Overpass Structure	Lump Sum	\$4,500,000	1		\$4,500,000	
	Replace Huttonville Creek Structure	Lump Sum	\$2,500,000	1		\$2,500,000	
	Replace Culvert 'A' (1.1 km West of Heritage Road)	Lump Sum	\$5,500,000	1		\$5,500,000	
Landscaping/Sidewalks	Sidewalk	m2	\$65	12920		\$839,800	
	Trees and shrubs @ 15m spacing	each	\$550	700		\$385,000	

**TOTAL**

**\$46,596,103**