

Project TESTON RD (KLEINBURG ST WY TO 250m WEST OF PINE VALLEY DR)  
 Subject CLASS EA, OPINION OF PROBABLE COST  
 Task PRELIMINARY CONSTRUCTION COST (DRAFT)

Computed P. Yip  
 Checked A.R  
 Sheet 1

Date 6/11/2022  
 Date 6/11/2022  
 of 1

From:  
 Kilometre

KLEINBURG ST WY  
 2.2

To: 250m WEST OF PINE VALLEY DR

Component/Category	Item Description	Units	2022 Unit Price	Quantity	Total
Utility Conflicts	Hydro Pole Relocation	each	\$35,000	8	\$280,000
	Contingency (25%)				\$70,000
	<b>Sub Total</b>				<b>\$350,000</b>
Removals	Asphalt removal	m2	\$6	17,550	\$111,092
	Mountable curb and gutter removal	m	\$11	250	\$2,773
	Relocate Hydrant and Valve	each	\$2,006	22	\$44,139
	Removal of Existing Valve Chamber and Removal of Existing Forcemain Chamber	each	\$12,000	8	\$96,000
	Gabion wall removal	m3	\$535	375	\$200,745
	Remove Existing 400mm Watermain	m	\$90	325	\$29,250
	Remove Existing 300mm Sanitary Forcemain	m	\$80	370	\$29,600
	Contingency (25%)				\$128,399
<b>Sub Total</b>				<b>\$641,997</b>	
Road Work	Excavation/Earthworks	m3	\$14	20,247	\$290,751
	Earth Borrow	m3	\$6	2,189	\$12,147
	HL3 Surface Course Asphalt	tonne	\$236	1,646	\$388,419
	HL8 Binder Course Asphalt	tonne	\$178	2,470	\$438,873
	Base Course CRL (Granular A)	tonne	\$58	4,299	\$247,708
	Subbase Course CRL (Granular B Type II)	tonne	\$44	12,695	\$552,212
	Install Curb and Gutter (Roadway)	m	\$65	4,400	\$286,000
	Install Cycle Track	m2	\$106	7,920	\$839,916
	Install Sidewalk	m2	\$77	4,050	\$313,349
	Install Storm Sewer	m	\$655	2,200	\$1,441,836
	Install Subdrains	m	\$39	4,400	\$169,708
	Install Catch Basin	each	\$2,372	88	\$208,747
	Install Catch Basin Lead	m	\$280	616	\$172,480
	Install Manhole	each	\$3,996	44	\$175,819
	Install 400mm Watermain	m	\$1,400	325	\$465,000
	Install Existing 300mm Sanitary Forcemain	m	\$1,200	370	\$444,000
	Install Guiderail	m	\$150	232	\$34,800
	Permanent Pavement Marking	m	\$20	2,530	\$50,600
	Relocate Forcemain Chamber and Air Relief Valve	each	\$80,000	3	\$240,000
	Relocate Valve Chamber	each	\$80,000	5	\$400,000
	Install Retaining Wall	m2	\$660	1,481	\$977,542
Contingency (25%)				\$2,034,976	
<b>Sub Total</b>				<b>\$10,174,882</b>	
Streetlights	Mounting on existing Hydro Pole	each	\$2,600	32	\$80,000
	Pole Relocation	each	\$25,000	19	\$475,000
	New Streetlight Pole (assume 50m spacing)	each	\$10,000	44	\$440,000
	Contingency (25%)				\$248,750
<b>Sub Total</b>				<b>\$1,243,750</b>	
Culverts and Structures	<b>Culvert #1</b>				
	Foundation and Construction	m	\$4,000	29	\$116,000
	Culvert Installation	m	\$14,844	29	\$430,476
	<b>Culvert #2</b>				
	Foundation and Construction	m	\$4,000	17.5	\$70,000
	Culvert Installation	m	\$17,000	17.5	\$297,500
	<b>Culvert #3</b>				
	Foundation and Construction	m	\$4,000	26	\$104,000
	Culvert Installation	m	\$53,000	26	\$1,378,000
	Contingency (25%)				\$598,994
<b>Sub Total</b>				<b>\$2,994,970</b>	
Landscape	Landscape (4% of road work cost)	LS	\$410,000	1	\$410,000
	Contingency (25%)				\$102,500
	<b>Sub Total</b>				<b>\$512,500</b>
Traffic control	Traffic Control For Detour (i.e. signages, portable variable messsge signs, etc...)	LS	\$50,000	1	\$50,000
Engineering	Design and Contract Administration (20% of construction cost)	LS	\$2,560,000	1	\$2,560,000

TOTAL

**\$18,530,000**

Notes:

\* The cost estimate does not include property acquisition costs, major structural improvement costs, and subsurface utility relocation costs