

## Cost Estimate - Collection System

Item #	Activity	Dump Road	2nd Conc. Road	Front Road	South Shore Rd.	Lower Road	Stella Road	TOTAL
1	Mobilization and Indirects - Avertex	\$5,000	\$46,518	\$13,708	\$19,706	\$22,306	\$62,763	\$170,000
	<b>Trenching and boring</b>							
2	Soil Trenching - Single collector circuit	\$46,053	\$160,820	\$133,386	\$0	\$0	\$0	\$340,259
3	Rock trenching - Single collector circuit		\$0	\$0	\$126,945	\$173,394	\$0	\$300,339
4	Soil Trenching - Double collector circuit		\$226,321	\$0	\$0	\$0	\$129,326	\$355,648
5	Directional Boring - Soil		\$19,758	\$0	\$0	\$0	\$49,128	\$68,886
6	Directional Boring - Rock		\$382,728	\$116,370	\$232,740	\$258,600	\$1,000,776	\$1,991,214
7	Excavate Rock in Pits - JB's and Splice Pits		\$20,057	\$0	\$5,014	\$0	\$5,014	\$30,086
8	Install Junction Box (JB) c/w grounding		\$34,880	\$0	\$8,720	\$0	\$8,720	\$52,320
9	Additional for Bollards for JB's		\$12,796	\$0	\$3,199	\$0	\$3,199	\$19,194
10	Jetting of fibre with in 32mm HDPE	\$4,571	\$32,331	\$12,982	\$4,613	\$6,342	\$18,854	\$79,693
	<b>Splicing</b>							
11	MV Cable Shield Break Splice - 4/0 AWG		\$9,960	\$9,960	\$0	\$0	\$0	\$19,920
12	MV Cable Shield Break Splice - 500mcm		\$5,392	\$0	\$0	\$5,392	\$0	\$10,784
13	MV Cable Shield Break Splice - 1250mcm AL (COPPER)		\$7,582	\$0	\$7,582	\$0	\$30,326	\$45,490
14	Fibre 2-4way Splice c/w Hand Hole - 24F (JB locations)		\$12,744	\$0	\$3,186	\$0	\$3,186	\$19,116
	<b>Collector Cable Supply Costs</b>							
15	4/0 AWG 35 kV Cable	\$42,258	\$203,346	\$120,020	\$0	\$58,671	\$0	\$424,296
16	500 kcmil 35 kV cable		\$79,443	\$0	\$47,616	\$0	\$85,619	\$212,679
17	1250 kcmil 35 kV cable		\$150,343	\$0	\$0	\$0	\$400,914	\$551,257
18	Fiber cable	\$2,029	\$14,349	\$5,761	\$2,049	\$2,816	\$8,365	\$35,369
19	<b>Contingency (20%)</b>	\$19,982	\$283,874	\$82,438	\$92,274	\$105,504	\$361,238	\$945,310
	<b>SUMMARY</b>	<b>\$119,892</b>	<b>\$1,703,242</b>	<b>\$494,626</b>	<b>\$553,643</b>	<b>\$633,025</b>	<b>\$2,167,429</b>	<b>\$5,671,857</b>