

**Preliminary Quantities
Salem Transportation Improvements Municipal Class EA**

	Quantity 3-Lane Section				Quantity 5-Lane Section			Unit
	Essa Road	Salem Road	McKay Road W	Huronia Road	Veterans Drive	Lockhart Road	Mckay Road E	
Part A - Roadworks - Major Items								
Length (m)	3125	3050	2690	2075	2075	1696	2717	
Proposed Roadway - Including excavation	46311	46322	38535	32066	41784	40582	62565	sq.m
Concrete Sidewalk	12500	12200	10760	8300	8300	6784	10868	sq.m
Concrete median	3056	0	0	0	0	0	0	sq.m
Concrete Curb &Gutter - All types	6250	6100	5380	4150	4150	3392	5434	m
Storm Sewer System, including Ditch and Culvert	3125	3050	2690	2075	2075	1696	2717	lumpsum
Sanitary, Watermain and Appertenances	1650	2700	3726	2080	1362	1568	2280	m
Landscaping, Seeding and Sodding	1	1		1	1	1	1	lumpsum
Roundabout	2	0	0	0	0	0	0	lumpsum
New Structure	0	0	0	0	0	1	0	lumpsum
Retaining Walls						1500		sq.m
Removals of Existing Roadway	21875	18300	18830	12865	10790	11872	19019	sq.m
Other Minor Items/Utilities/ Contingencies (25%)								
Part B - Electrical								Unit
Street Light - tempoary and permanent	3.125	3.05	2.69	2.075	2.075	1.696	2.717	each KM
Traffic Signal -permanent	0	1	0	2	0	0	1	each
Part C - Utility Relocation								Unit
Utility Relocation - Assume (15%) of Construction Costs	1	1	1	1	1	1	1	lumpsum
Part D - Contingency Allowance (30%)								Unit
Contingency Allowance (30% of Part A-C)	-	-	-	-	-	-	-	lumpsum
Part E - Engineering and Construction Administration (15%)								Unit
Engineering and Construction Administration (15% of Part A-C)	-	-	-	-	-	-	-	lumpsum
Part F - Property Purchase								Unit
Fee simple	4465	24427	33124	6274	29594	20295	38935	sq.m

**Preliminary Cost Estimates
Salem Transportation Improvements Municipal Class EA**

	Quantity 3-Lane Section				Quantity 5-Lane Section			Unit	Unit Price	Price
	Essa Road	Salem Road	McKay Road W	Huronia Road	Veterans Dr	Lockhart Rd	McKay Rd E			
Part A - Roadworks - Major Items	3125	3050	2690	2075	2075	1696	2717	m		
Proposed Roadway - Including excavation	\$4,631,100.00	\$4,632,200.00	\$3,853,500.00	\$3,206,600.00	\$4,178,400.00	\$4,058,200.00	\$6,256,500.00	sq,m	\$100.00	\$30,816,500.00
Concrete Sidewalk	\$625,000.00	\$610,000.00	\$538,000.00	\$415,000.00	\$415,000.00	\$339,200.00	\$543,400.00	sq,m	\$50.00	\$3,485,600.00
Concrete median	\$183,360.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	sq,m	\$60.00	\$183,360.00
Concrete Curb &Gutter - All types	\$437,500.00	\$427,000.00	\$376,600.00	\$290,500.00	\$290,500.00	\$237,440.00	\$380,380.00	m	\$70.00	\$2,439,920.00
Storm Sewer System, including Ditch and Culvert	\$1,250,000.00	\$1,220,000.00	\$1,076,000.00	\$830,000.00	\$830,000.00	\$678,400.00	\$1,086,800.00	lumpsum	\$400.00	\$6,971,200.00
Sanitary, Watermain and Appertenances	\$1,200,000.00	\$2,000,000.00	\$4,720,000.00	\$1,360,000.00	\$1,344,000.00	\$2,112,000.00	\$10,496,000.00	-	-	\$23,232,000.00
Landscaping, Seeding and Sodding	\$50,000.00	\$50,000.00	\$0.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	lumpsum	\$50,000.00	\$300,000.00
Roundabout	\$200,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	lumpsum	\$100,000.00	\$200,000.00
New Structure - Including Staging Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,800,000.00	\$0.00	lumpsum	\$2,000,000.00	\$4,800,000.00
Rail Signal Warning Device	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$250,000.00	lumpsum	\$250,000.00	\$250,000.00
Retaining Walls	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,700,000.00	\$0.00	sq,m	\$1,800.00	\$2,700,000.00
Removals of Existing Roadway	\$109,375.00	\$91,500.00	\$94,150.00	\$64,325.00	\$53,950.00	\$59,360.00	\$95,095.00	sq,m	\$5.00	\$567,755.00
Other Minor Items/Utilities/ Contingencies (25%)	\$2,094,240.00	\$2,234,800.00	\$2,641,025.00	\$1,538,025.00	\$1,776,975.00	\$1,868,810.00	\$4,703,270.00			\$16,858,000.00
Subtotal - A	\$10,780,575.00	\$11,265,500.00	\$13,299,275.00	\$7,754,450.00	\$8,938,825.00	\$16,903,410.00	\$23,861,445.00			\$92,804,335.00
Part B - Electrical										
Street Light - tempoary and permanent	\$781,250.00	\$762,500.00	\$672,500.00	\$518,750.00	\$518,750.00	\$424,000.00	\$679,250.00	each KM	\$250,000.00	\$4,357,000.00
Traffic Signal -permanent	0	\$180,000.00	0	\$360,000.00	0	0	\$180,000.00	each	\$180,000.00	\$720,000.00
Subtotal - B	\$781,250.00	\$942,500.00	\$672,500.00	\$878,750.00	\$518,750.00	\$424,000.00	\$859,250.00			\$5,077,000.00
Subtotal A+B	\$11,561,825.00	\$12,208,000.00	\$13,971,775.00	\$8,633,200.00	\$9,457,575.00	\$17,327,410.00	\$24,720,695.00			\$97,881,335.00
Part C - Utility Relocation										
Utility Relocation - Assume (15%) of Construction Costs	1	1	1	1	1	1	1	lumpsum	NA	\$14,682,200.25
Subtotal - C	\$1,734,273.75	\$1,831,200.00	\$2,095,766.25	\$1,294,980.00	\$1,418,636.25	\$2,599,111.50	\$3,708,104.25			\$14,682,200.25
Part D - Contingency Allowance (30%)										
Contingency Allowance (30% of Part A-C)								lumpsum		\$33,769,060.58
Subtotal - D	\$3,988,829.63	\$4,211,760.00	\$4,820,262.38	\$2,978,454.00	\$3,262,863.38	\$5,977,956.45	\$8,528,639.78			\$33,768,765.60
Part E - Engineering and Construction Administration (15%)										
Engineering and Construction Administration (15% of Part A-C)								lumpsum		\$16,884,530.29
Subtotal - E	\$1,994,414.81	\$2,105,880.00	\$2,410,131.19	\$1,489,227.00	\$1,631,431.69	\$2,988,978.23	\$4,264,319.89			\$16,884,382.80
Part F - Property Purchase										
Fee simple	\$1,205,550.00	\$6,595,290.00	\$8,943,480.00	\$1,693,980.00	\$7,990,380.00	\$5,479,650.00	\$10,512,450.00	sq,m	\$270.00	\$42,420,780.00
Subtotal - F										\$42,420,780.00
Total - Construction Cost for Roadway	\$20,484,893.19	\$26,952,130.00	\$32,241,414.81	\$16,089,841.00	\$23,760,886.31	\$34,373,106.18	\$51,734,208.91			\$205,637,463.65

Preliminary Cost Estimates for Salem

McKay Road East (Interim) - Quantites and Costing				
No.	Quantity	Units	Unit Cost	Total
Earth Excavation (Grading)	80,343	M3	\$12	\$964,116
Earth Borrow	72,632	M3	\$2	\$145,264
HL1 Asphalt	3,672	T	\$132	\$484,704
HL3 Asphalt	9,180	T	\$155	\$1,422,900
Granular A	5,512	M3	\$42	\$231,504
Granular B	23,070	M3	\$38	\$876,660
				\$4,125,148

Preliminary Cost Estimates for Salem

Huron Road (Interim) - Quantities and Costing				
No.	Quantity	Units	Unit Cost	Total
Earth Excavation (Grading)	11,771	M3	\$12	\$141,252
HL1 Asphalt	1,509	T	\$132	\$199,214
HL3 Asphalt	3,927	T	\$155	\$608,685
Granular A	2,358	M3	\$42	\$99,036
Granular B	11,118	M3	\$38	\$422,484
				\$1,470,671