





MARSH LAKE ROAD PRELIMINARY DESIGN FOR THE CITY OF VICTORIA

Concept Cost Estimate (based upon 2018 bid price information)

Prepared By: SRF Consulting Group, Inc., July 12, 2019

			OPTION 1							
			CSAH 43 ROUNDABOUT		CSAH 11 ROUNDABOUT		2 LANE DIVIDED WITH MEDIAN			
			2/3 COUNTY, 1/3 CITY		1/2 COUNTY, 1/2 CITY		COUNTY SHARE		CITY SHARE	
ITEM DESCRIPTION	UNIT	UNIT PRICE	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT
PAVING AND GRADING COSTS										
GrP 1a	2106 Excavation - common & subgrade	cu. vd	5.500	\$44,000	10.100	\$80,800	35.000	\$280,000	6.100	\$48,800
GrP 2d	2106 Granular Subgrade (CV)	cu. vd	3.700	\$62,900	6.800	\$115,600	23.400	\$397,800	4.100	\$69,700
GrP 3e	County Road Pavement	sq. vd	5.500	\$143,000	10.100	\$262,600	35.000	\$910,000	6.100	\$158,600
GrP 3a	Local & Frontage Road Pavement	sq. vd								
GrP 4a	Concrete Walk / Trail / Median	sq. vd	960	\$51,840	1.600	\$86,400	4.300	\$232,200	4.300	\$232,200
GrP 4b	Bituminous Walk / Trail	sq. vd	450	\$6,750	2.500	\$37,500	4.650	\$69,750	4.650	\$69,750
GrP 4c	ADA Pedestrian Curb Ramp	each	12	\$21,000	17	\$29,750			12	\$21,000
GrP 5	Concrete Curb and Gutter	lin. ft.	2.800	\$64,400	5.200	\$119,600	16.700	\$384,100	17.100	\$393,300
GrP 7	Pavement Edge Drains	lin. ft.							17.100	\$136,800
GrP 8a	Removals - Pavement	sq. vd	4.700	\$35,250	9.800	\$73,500	7.300	\$54,750		
SUBTOTAL PAVING AND GRADING COSTS:				\$429,140		\$805,750		\$2,328,600		\$1,130,150
DRAINAGE, UTILITIES AND EROSION CONTROL										
Dr 3	Water Quality Ponds	l.s.		\$60,000			2	\$120,000	2	\$120,000
Dr 5	Drainage - urban	20%		\$86,000		\$162,000		\$466,000		\$227,000
Dr 6	Drainage - rural	(3) mile		\$110,000						
Dr 7	Turf Establishment & Erosion Control	10%		\$43,000		\$81,000		\$233,000		\$114,000
Dr 8	Landscaping	2%		\$9,000		\$17,000		\$47,000		\$23,000
SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL				\$138,000		\$260,000		\$866,000		\$484,000
RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS										
RW 1	Box Culvert -	(4) lin. ft.		\$500			215	\$107,500		
SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS:								\$107,500		
SIGNING & STRIPING COSTS										
SGN 1	Mainline Signing (C&D)	mile	0.2	\$7,000	0.4	\$14,000	1.1	\$38,500	0.5	\$17,500
SGN 2	Mainline Striping	mile	0.2	\$1,000	0.4	\$2,000	2.2	\$11,000	1.0	\$5,000
SUBTOTAL SIGNING & STRIPING COSTS:				\$8,000		\$16,000		\$49,500		\$22,500
SUBTOTAL CONSTRUCTION COSTS:				\$575,140		\$1,081,750		\$3,351,600		\$1,636,650
MISCELLANEOUS COSTS										
M 1	Mobilization	5%		\$29,000		\$55,000		\$168,000		\$82,000
M 2	Non Quantified Minor Items	10%		\$8,000		\$109,000		\$336,000		\$164,000
M 8	Traffic Control	2%		\$12,000		\$22,000		\$68,000		\$33,000
SUBTOTAL MISCELLANEOUS COSTS:				\$99,000		\$186,000		\$572,000		\$279,000
ESTIMATED TOTAL CONSTRUCTION COSTS without Contingency:				\$674,140		\$1,267,750		\$3,923,600		\$1,915,650
1	Contingency or "risk"	10%		\$68,000		\$127,000		\$393,000		\$192,000
ESTIMATED TOTAL CONSTRUCTION COSTS PLUS CONTINGENCY:				\$742,140		\$1,394,750		\$4,316,600		\$2,107,650
OTHER PROJECT COSTS:										
RAILROAD AGREEMENTS		Lump Sum		\$1						
UTILITY AGREEMENTS		Lump Sum		\$1						
TURN BACK AGREEMENTS		Lump Sum		\$1						
PROJECT MITIGATION		Lump Sum		\$1						
R/W ACQUISITIONS		Lump Sum		\$1						
DESIGN ENG. & CONSTRUCTION ADMIN.		Lump Sum		20%	\$149,000	\$279,000	\$864,000	\$422,000		
SUBTOTAL OTHER PROJECT COSTS				\$149,000		\$279,000		\$864,000		\$422,000
TOTAL PROJECT COST				\$891,140		\$1,673,750		\$5,180,600		\$2,529,650
INFLATION (CURRENT YR. TO OPENING YR.)										
	Years	3%	3	\$83,000	3	\$156,000	3	\$481,000	3	\$235,000
TOTAL PROJECT COST (OPENING YEAR DOLLARS)				\$974,140		\$1,829,750		\$5,661,600		\$2,764,650

NOTE: (1) Includes aggregate base class 5 and PASB or OGAB, as appropriate
 (2) Includes aggregate base class 5
 (3) Does not include pavement edge drains. see separate item
 (4) Does not include excavation or backfill.

OPTION 1: 2 lane divided with median, County road, urban, trail on north side, 5" bit on 10" ag on sand, roundabouts at CSAH 43 and CSAH 11, 120' max ROW, built 2021