



CSAH 44 & TH 14
Concept Cost Estimate per Census Tract
Friday, February 10, 2023

			Option 1 Totals		Tract 13.02		Tract 14.02		Tract 19	
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										
2106 Excavation - common & subgrade	cu. yd.	\$13	55,738	\$724,594	5,574	\$72,459	5,574	\$72,459	44,590	\$579,675
2106 Common Embankment (CV)	cu. yd.	\$6	541,000	\$3,246,000	54,100	\$324,600	54,100	\$324,600	432,800	\$2,596,800
2106 Granular Subgrade "SuperSand"	cu. yd.	\$30	17,900	\$537,000	1,790	\$53,700	1,790	\$53,700	14,320	\$429,600
2106 Select Granular - Structural Backfill (CV)	cu. yd.	\$38	6,745	\$256,310	675	\$25,631	675	\$25,631	5,396	\$205,048
2106 Granular Subgrade (CV)	cu. yd.	\$15	19,700	\$295,500	1,970	\$29,550	1,970	\$29,550	15,760	\$236,400
Ramp Pavement	sq. yd.	\$61	17,522	\$1,068,866			4,381	\$267,217	13,142	\$801,650
Ramp Shoulder Pavement	sq. yd.	\$61	9,295	\$567,007			2,324	\$141,752	6,971	\$425,255
CSAH 44 Pavement	sq. yd.	\$40	30,032	\$1,201,280					30,032	\$1,201,280
CSAH 44 Shoulder Pavement	sq. yd.	\$40	13,348	\$533,902					13,348	\$533,902
7th Street Pavement	sq. yd.	\$29	11,733	\$340,267	3,911	\$113,422	3,911	\$113,422	3,911	\$113,422
7th Street Shoulder Pavement	sq. yd.	\$29	3,911	\$113,422	1,304	\$37,807	1,304	\$37,807	1,304	\$37,807
Concrete Walk / Trail / Median	sq. yd.	\$12	6,817	\$81,800					6,817	\$81,800
Bituminous Walk / Trail	sq. yd.	\$20	11,697	\$233,936					11,697	\$233,936
ADA Pedestrian Curb Ramp	each	\$2000	16	\$32,000					16	\$32,000
Concrete Curb and Gutter	lin. ft.	\$30	20,171	\$605,130					20,171	\$605,130
Removals - Pavement	sq. yd.	\$7	14,111	\$98,775					14,111	\$98,775
SUBTOTAL PAVING AND GRADING COSTS:				\$9,935,790		\$657,170		\$1,066,138		\$8,212,481
DRAINAGE, UTILITIES AND EROSION CONTROL										
Drainage - urban			2%	\$199,000		\$49,750		\$49,750		\$99,500
Drainage - rural	mile	\$100,000	2.50	\$250,000		\$62,500		\$62,500		\$125,000
Turf Establishment & Erosion Control	3%			\$298,074		\$74,519		\$74,519		\$149,037
Landscaping	2%			\$198,716		\$49,679		\$49,679		\$99,358
SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL				\$945,790		\$236,448		\$236,448		\$472,895
BRIDGE COSTS										
Bridge - CSAH 44 over TH 14 and Railroad	sq. ft.	\$300	43,234	\$12,970,200					43,234	\$12,970,200
Bridge - Exit Ramp Over Railroad	sq. ft.	\$500	10,392	\$5,196,000			10,392	\$5,196,000		
Bridge - Entrance Ramp Over Railroad	sq. ft.	\$500	10,532	\$5,266,000					10,532	\$5,266,000
Bridge - 7th Street Overpass	sq. ft.	\$250	8,384	\$2,096,000	8,384	\$2,096,000				
SUBTOTAL BRIDGE COSTS:				\$25,528,200		\$2,096,000		\$5,196,000		\$18,236,200
RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS										
MSE Ret. Walls 10' high	lin. ft.	\$600	384	\$230,400			192	\$115,200	192	\$115,200
MSE Ret. Walls 15' high	lin. ft.	\$800	767	\$613,600			384	\$306,800	384	\$306,800
MSE Ret. Walls 20' high	lin. ft.	\$1,000	767	\$767,000			384	\$383,500	384	\$383,500
MSE Ret. Walls 25' high	lin. ft.	\$1,200	767	\$920,400			384	\$460,200	384	\$460,200
MSE Ret. Walls 30' high	lin. ft.	\$1,400	767	\$1,073,800			384	\$536,900	384	\$536,900
MSE Wall - Moment Slab	lin. ft.	\$600	4,600	\$2,760,000			2,300	\$1,380,000	2,300	\$1,380,000
SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS:				\$6,365,200				\$3,182,600		\$3,182,600
SIGNAL AND LIGHTING COSTS										
Signals (permanent)	each	\$300,000	3	\$900,000					3	\$900,000
Mainline Lighting (permanent)	mile	\$350,000	0.90	\$315,000					0.90	\$315,000
SUBTOTAL SIGNAL AND LIGHTING COSTS:				\$1,215,000						\$1,215,000
SIGNING & STRIPING COSTS										
Mainline Signing (C&D)	mile	\$80,000	1.5	\$120,000	0.38	\$30,000	0.38	\$30,000	0.75	\$60,000
Mainline Striping	mile	\$50,000	1.5	\$75,000	0.38	\$18,750	0.38	\$18,750	0.75	\$37,500
Mainline Signing (A, OH, Br Mtd)	each	\$50,000	2.0	\$100,000	0.50	\$25,000	0.50	\$25,000	1.00	\$50,000
SUBTOTAL SIGNING & STRIPING COSTS:				\$295,000		\$73,750		\$73,750		\$147,500
SUBTOTAL CONSTRUCTION COSTS:										
				\$44,284,980		\$3,063,368		\$9,754,936		\$31,466,676
MISCELLANEOUS COSTS										
Mobilization	5%			\$2,214,249		\$153,168		\$487,747		\$1,573,334
Non Quantified Minor Items	1%			\$442,850		\$30,634		\$97,549		\$314,667
Temporary Pavement & Drainage	1%			\$442,850		\$30,634		\$97,549		\$314,667
Traffic Control	0.05%			\$22,142		\$1,532		\$4,877		\$15,733
SUBTOTAL MISCELLANEOUS COSTS:				\$3,122,091		\$215,967		\$687,723		\$2,218,401
ESTIMATED TOTAL CONSTRUCTION COSTS without Contingency:				\$47,407,071		\$3,279,335		\$10,442,659		\$33,685,077
Contingency or "risk"	4%			\$1,896,283		\$131,173		\$417,706		\$1,347,403
Inflation Cost (To 2025; 3yrs @4% per yr)	Factor	1.12		\$5,688,848		\$393,520		\$1,253,119		\$4,042,209
ESTIMATED TOTAL CONSTRUCTION COST (ROUNDED 2025 DOLLARS, \$M)				\$55.0		\$3.8		\$12.1		\$39.1