



**US 8 - ALTERNATIVE G**  
**Concept Construction Cost Estimate**  
**Prepared By: SRF Consulting Group, Inc., 4/2/2021**

							TOTAL	
ITEM DESCRIPTION			UNIT	UNIT PRICE	EST. QUANTITY	EST. AMOUNT	EST. QUANTITY	EST. AMOUNT
PAVING AND GRADING COSTS								
GrP 1a	2106 Excavation - common & subgrade		cu. yd.	\$10.00	402,595	\$4,025,950	402,595	\$4,025,950
GrP 2a	2106 Common Embankment (CV)		cu. yd.	\$10.00	247,574	\$2,475,740	247,574	\$2,475,740
GrP 2d	2106 Granular Subgrade (CV)		cu. yd.	\$12.00	75,548	\$906,576	75,548	\$906,576
GrP 3a	Mainline Pavement	(1)	sq. yd.	\$35.00	288,876	\$10,110,660	288,876	\$10,110,660
GrP 3b	2" Mill and Overlay		sq. yd.	\$9.55	44,801	\$427,850	44,801	\$427,850
GrP 4a	Median	(1)	sq. ft.	\$7.50	326,421	\$2,448,158	326,421	\$2,448,158
GrP 4b	New Bituminous Trail - 3"	(1)	sq. yd.	\$20.00	37,340	\$746,795	37,340	\$746,795
GrP 5	Curb and Gutter		lin. ft.	\$25.00	123,829	\$3,095,725	123,829	\$3,095,725
GrP 8a	Removals - Pavement		sq. yd.	\$4.00	212,233	\$848,932	212,233	\$848,932
Karmel Intersection								
	Roundabout Option		Lump Sum	\$676,476	1	\$676,476	1	\$676,476
	Side Street Stop Option		Lump Sum	\$416,660				
SUBTOTAL PAVING AND GRADING COSTS:						\$25,762,861		\$25,762,861
DRAINAGE AND UTILITIES								
Dr 3	Water Quality Ponds		each	\$35,100	5	\$175,500	5	\$175,500
Dr 5	Drainage - urban		20%			\$5,153,000		\$5,153,000
Dr 7	Turf Establishment & Erosion Control		5%			\$1,288,000		\$1,288,000
SUBTOTAL DRAINAGE, UTILITIES AND EROSION CONTROL						\$6,616,500		\$6,616,500
RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS								
RW 1	Box Culvert -		lin. ft.	\$540	65	\$35,100	65	\$35,100
RW 30	Concrete Median Barrier		lin. ft.	\$110.00	4,629	\$509,190	4,629	\$509,190
SUBTOTAL RETAINING WALLS & OTHER MINOR STRUCTURAL COSTS:						\$544,290		\$544,290
SIGNAL AND LIGHTING COSTS								
SGL 1	Signals (permanent)		each	\$250,000	3	\$750,000	3	\$750,000
SGL 2	Signals (temporary)		each	\$80,000	3	\$240,000	3	\$240,000
SGL 3	Trail Lighting		each	\$8,000	2	\$16,000	2	\$16,000
SUBTOTAL SIGNAL AND LIGHTING COSTS:						\$1,006,000		\$1,006,000
SIGNING & STRIPING COSTS								
SGN 1	Mainline Signing (C&D)		mile	\$35,000	7.2	\$252,000	7.2	\$252,000
SGN 2	Mainline Striping		mile	\$5,000	8.1	\$40,400	8.1	\$40,400
SUBTOTAL SIGNING & STRIPING COSTS:						\$292,400		\$292,400
SUBTOTAL CONSTRUCTION COSTS:						\$34,222,051		\$34,222,051
MISCELLANEOUS COSTS								
M 1	Mobilization		5%			\$1,711,000		\$1,711,000
M 2	Non Quantified Minor Items	(2)	4%			\$1,369,000		\$1,369,000
M 7	Temporary Pavement & Drainage		4%			\$1,369,000		\$1,369,000
M 8	Construction Traffic Control		3%			\$1,027,000		\$1,027,000
M 10	Landscaping		1%			\$342,000		\$342,000
SUBTOTAL MISCELLANEOUS COSTS:						\$5,818,000		\$5,818,000
ESTIMATED TOTAL CONSTRUCTION COSTS without Contingency:						\$40,040,051		\$40,040,051
1	Contingency or "risk"	(3)	8%			\$3,211,000		\$3,211,000
ESTIMATED TOTAL CONSTRUCTION COSTS PLUS CONTINGENCY:						\$43,251,051		\$43,251,051
OTHER PROJECT COSTS:								
UTILITY AGREEMENTS			Lump Sum	\$750,000	1	\$750,000		\$750,000
R/W ACQUISITIONS			Lump Sum	\$7,000,000	1	\$7,000,000		\$7,000,000
DESIGN ENG. & CONSTRUCTION ADMIN.			9%	\$3,700,000	1	\$3,700,000		\$3,700,000
Frontage/Backage Roads - City of Wyoming			Lump Sum	\$7,220,000	1	\$7,220,000		\$7,220,000
Frontage/Backage Roads - Chisago City			Lump Sum	\$8,415,000	1	\$8,415,000		\$8,415,000
SUBTOTAL OTHER PROJECT COSTS						\$27,085,000		\$27,085,000
TOTAL PROJECT COST (based upon 2020 bid price information)						\$70,336,051		\$70,336,051

NOTE: (1) Includes 5" aggregate base class 5.  
 (2) Non-quantified minor items (includes clearing & grubbing, misc. surface removals, etc.)  
 (3) Potential contingency items (includes muck excavation, soil corrections, etc.)

Utility Agreements based upon: Relocating large transmission poles.