

**GRANITE STREET RECONSTRUCTION  
TOWN OF FRISCO, CO  
MADISON AVE TO SUMMIT BLVD  
30% LEVEL ENGINEERS OPINION OF PROBABLE CONSTRUCTION COST**

PREPARED BY  
TOOLE DESIGN GROUP  
July 21, 2023

SUMMARY OF APPROXIMATE QUANTITIES						
CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	UNIT PRICE	PROJECT TOTAL		PROJECT TOTAL
				PLAN	AS CONST.	TOTAL COST
201-00001	CLEARING AND GRUBBING	ACRE	\$25,000.00	2.1		\$52,500.00
202-00010	REMOVAL OF TREE	EACH	\$500.00	8		\$4,000.00
202-00200	REMOVAL OF SIDEWALK	SY	\$50.00	1,150		\$57,500.00
202-00203	REMOVAL OF CURB AND GUTTER	LF	\$10.00	1,970		\$19,700.00
202-00210	REMOVAL OF CONCRETE PAVEMENT	SY	\$80.00	2,510		\$200,800.00
202-00220	REMOVAL OF ASPHALT MAT	SY	\$15.00	15,800		\$237,000.00
202-00700	REMOVAL OF LIGHT STANDARD	EACH	\$1,000.00	9		\$9,000.00
202-00810	REMOVAL OF GROUND SIGN	EACH	\$200.00	33		\$6,600.00
202-05030	SAWING ASPHALT MATERIAL (10 INCH)	LF	\$5.00	650		\$3,250.00
203-00000	UNCLASSIFIED EXCAVATION	CY	\$50.00	7,000		\$350,000.00
210-01000	RESET FENCE	LF	\$25.00	25		\$625.00
210-04010	ADJUST MANHOLE	EACH	\$1,500.00	4		\$6,000.00
210-04015	MODIFY MANHOLE	EACH	\$4,000.00	1		\$4,000.00
210-04020	MODIFY INLET	EACH	\$3,000.00	2		\$6,000.00
212-XXXXX	TREE PROTECTION FENCE	LF	\$7.00	320		\$2,240.00
212-00006	SEEDING (NATIVE)	ACRE	\$10,000.00	0.29		\$2,900.00
214-00240	DECIDUOUS TREE (4 INCH CALIPER)	EACH	\$795.00	113		\$89,835.00
304-06007	AGGREGATE BASE COURSE (CLASS 6)	CY	\$65.00	4,100		\$266,500.00
403-34631	HOT MIX ASPHALT (GRADING SX) (50) (PG 58-34)	TON	\$145.00	1,710		\$247,950.00
403-34721	HOT MIX ASPHALT (GRADING SX) (75) (PG 58-28)	TON	\$175.00	6,160		\$1,078,000.00
411-10255	EMULSIFIED ASPHALT (SLOW-SETTING)	GAL	\$10.00	1,475		\$14,750.00
412-00600	CONCRETE PAVEMENT (6 INCH)	SY	\$120.00	1,695		\$203,400.00
412-00800	CONCRETE PAVEMENT (8 INCH)	SY	\$150.00	140		\$21,000.00
603-50018	18 INCH PLASTIC PIPE	LF	\$200.00	895		\$179,000.00
603-50024	24 INCH PLASTIC PIPE	LF	\$220.00	1,810		\$398,200.00
604-13005	INLET TYPE 13 (5 FOOT)	EACH	\$6,000.00	14		\$84,000.00
604-30005	MANHOLE SLAB BASE (5 FOOT)	EACH	\$8,000.00	12		\$96,000.00
608-00000	CONCRETE SIDEWALK	SY	\$98.00	2,970		\$291,060.00
608-00010	CONCRETE CURB RAMP	SY	\$220.00	740		\$162,800.00
608-00015	DETECTABLE WARNINGS	SF	\$150.00	790		\$118,500.00
608-00050	BRICK PAVERS	SF	\$70.00	3,380		\$236,600.00
609-21010	CURB AND GUTTER TYPE 2 (SECTION I-B)	LF	\$40.00	2,380		\$95,200.00
609-21020	CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	\$50.00	4250		\$212,500.00
613-xxxx	TOWN OF FRISCO STANDARD LIGHTPOST	EACH	\$8,000.00	64		\$512,000.00
614-00011	SIGN PANEL (CLASS I)	SF	\$35.00	250		\$8,750.00
614-00216	STEEL SIGNPOST (2X2 INCH TUBING)	LF	\$20.00	505		\$10,100.00
625-00000	CONSTRUCTION SURVEYING	L S	\$40,000.00	1		\$40,000.00
627-00005	EPOXY PAVEMENT MARKING	GAL	\$260.00	45		\$11,700.00
627-00070	PREFORMED THERMOPLASTIC PAVEMENT MARKING	SF	\$80.00	80		\$6,400.00

CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	UNIT PRICE	PROJECT TOTAL		PROJECT TOTAL
				PLAN	AS CONST.	TOTAL COST
627-30405	PREFORMED THERMOPLASTIC PAVEMENT MARKING (WORD- SYMBOL)	SF	\$80.00	275		\$21,984.00
627-30410	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOP LINE)	SF	\$20.00	1,980		\$39,600.00
700-xxxxx	UTILITY MODIFICATIONS/ADJUSTMENTS	LS	\$20,000.00	1		\$20,000.00
700-xxxxx	WATER ADJUSTMENTS/RELOCATIONS	LS	\$20,000.00	1		\$20,000.00

TOTAL ITEM COSTS			\$5,447,944
ROW AQUISITIONS AND EASEMENTS	5.0%		\$272,397
MOBILIZATION	10.0%		\$544,794
MAINTENANCE OF TRAFFIC	10.0%		\$544,794
7% CONSTRUCTION ENGINEERING AND INSPECTION	7.0%		\$381,356
EROSION CONTROL	5.0%		\$272,397
MISCELLANEOUS ITEM ALLOWANCE	25.0%		\$1,361,986
SUBTOTAL			\$8,825,669
YEARS UNTIL CONSTRUCTION	2		
ESCALATION (4.5%/YEAR)	4.5%		\$794,310
<b>TOTAL CONSTRUCTION COST</b>			<b>\$9,619,980</b>
<b>TOTAL CONSTRUCTION COST (ROUNDED)</b>			<b>\$9,620,000</b>

This cost opinion was developed by identifying pay items and establishing quantities based on the current 30% Level construction documents. Additional pay items have been assigned based on approximate lump sum prices based on a percentage of the anticipated construction cost. The cost opinion also includes a 25% MISCELLANEOUS ITEM ALLOWANCE to cover items that are unidentified and are typically unknown prior to final design. Unit costs are based on 2022 dollars and were assigned based on historical cost data from CDOT Unit Cost Data for 2022 and 2021-2022 CCD Bid Tabulations. This cost estimate includes a percentage for easement and cost, based on discussions with the Town and past project experience. This cost opinion does not include permitting, inspection, construction management, or the cost for ongoing maintenance. An approximate escalation based on the information known as of when this estimate was prepared, is included. This cost estimate is provided for the Client's information, and is based on the design professional's recent experience, adjusted for factors known at the time of preparation. Toole Design Group, LLC has no control over the cost of labor and material, competitive bidding, or market conditions; and makes no warranties, expressed or implied, concerning the accuracy of this cost opinion as compared to actual bids or cost to the Client.