

47th Interchange

Greeley, CO

8/20/2023

Item	Unit	Total Qty	Unit Price	Total Cost
MAJOR ROADWAY ITEMS (NOTES 1-3)				
REMOVE PAVEMENT	SY	72,800	\$ 7.00	\$ 509,600
REMOVE CONCRETE MEDIAN/SIDEWALK	SF	29,700	\$ 5.00	\$ 148,500
REMOVE CURB AND GUTTER	LF	6,400	\$ 5.00	\$ 32,000
EXCAVATION - COMMON	CY	32,000	\$ 12.00	\$ 384,000
MATERIAL EMBANKMENT (CV)	CY	360,000	\$ 14.00	\$ 5,040,000
AGGREGATE BASE COURSE (CLASS 6)	TONS	42,300	\$ 34.00	\$ 1,438,200
CONCRETE PAVEMENT 12"	SY	59,900	\$ 107.00	\$ 6,409,300
HOT MIX ASPHALT (GRADING S) (75) (PG 58-28)	TONS	20,200	\$ 107.00	\$ 2,161,400
CURB AND GUTTER TYPE 2	LF	12,900	\$ 45.00	\$ 580,500
BARRIER	LF		\$ 68.00	\$ -
GUARDRAIL - ALL TYPES	LF	6,300	\$ 51.00	\$ 321,300
4" CONCRETE WALK	SY	10,300	\$ 57.00	\$ 587,100
MEDIAN COVER MATERIAL	SF	44,100	\$ 17.00	\$ 749,700
Subtotal				\$ 18,362,000
STRUCTURAL ITEMS				
MSE RETAINING WALL	SF	2,000	\$ 102.00	\$ 204,000
35TH BRIDGE & WALLS	LS		\$ 11,300,000.00	\$ -
47TH BRIDGE & WALLS	LS	1	\$ 5,700,000.00	\$ 5,700,000
ARCH TUNNEL	LF		\$ 4,000.00	\$ -
CIP SECTION	LS		\$ 113,000.00	\$ -
CAST IN PLACE HEADWALLS	EACH		\$ 113,000.00	\$ -
				\$ 5,904,000
All Roadway Construction Subtotal				\$ 24,266,000
SPECIAL LUMP SUM CONSTRUCTION ITEMS				
REMOVE SIGNAL SYSTEM	LS	2	\$ 50,000.00	\$ 100,000
TEMPORARY SIGNAL SYSTEM	LS	1	\$ 30,000.00	\$ 30,000
35TH AND 25TH TRAFFIC SIGNAL SYSTEM	EA		\$ 450,000.00	\$ -
47TH AND 25TH TRAFFIC SIGNAL SYSTEM	EA	1	\$ 450,000.00	\$ 450,000
35TH INTERCHANGE SIGNAL SYSTEM	EA		\$ 450,000.00	\$ -
47TH INTERCHANGE SIGNAL SYSTEM	EA	2	\$ 300,000.00	\$ 600,000
HUB TRAFFIC SIGNAL SYSTEM	LS		\$ 150,000.00	\$ -
(4) ELEVATOR & STAIRWELL	LS		\$ 1,800,000.00	\$ -
(5) CITY UTILITIES (WATERMAIN/SANITARY/ELECTRIC)	LS		\$ 400,000.00	\$ -
35TH INTERCHANGE LIGHTING	LS		\$ 1,000,000.00	\$ -
47TH INTERCHANGE LIGHTING	LS	1	\$ 500,000.00	\$ 500,000
(6) MOBILITY HUB LIGHTING	LS		\$ 352,000.00	\$ -
35TH DRAINAGE	LS		\$ 3,100,000.00	\$ -
47TH DRAINAGE	LS	1	\$ 2,657,000.00	\$ 2,657,000
HWY 34 DRAINAGE	LS		\$ 1,149,000.00	\$ -
(7) MOBILITY HUB DRAINAGE	LS		\$ 44,000.00	\$ -
MOBILITY HUB SHELTERS	EA		\$ 15,000.00	\$ -
MOBILITY HUB STATION BUILDING	SF		\$ 250.00	\$ -
REGIONAL TRANSIT STATION BUILDING WITH CANOPY	SF		\$ 450.00	\$ -
MOBILITY HUB SITE AMENITIES (BIKE PARKING, BENCHES, ETC.)	LS		\$ 200,000.00	\$ -
35TH UTILITY ITEMS - FIBER OPTIC, WATERMAIN, ETC.	LS		\$ 2,325,000.00	\$ -
UTILITY LINE BURIAL - 35TH AVE	LS		\$ 250,000.00	\$ -
UTILITY LINE BURIAL - 47TH AVE	LS	1	\$ 250,000.00	\$ 250,000
Subtotal				\$ 4,587,000
PERCENTAGE ITEMS				
MOBILIZATION		5%	of all roadway	\$ 1,442,700
MISC REMOVALS (CURB, SIGNS, TREES, ETC.)		2%	of all roadway	\$ 577,100
SIGNING & PAVEMENT MARKINGS		3%	of all roadway	\$ 865,600
TURF ESTABLISHMENT AND EROSION CONTROL		4%	of all roadway	\$ 1,154,200
TRAFFIC CONTROL/STAGING		5%	of all roadway	\$ 1,442,700
CONTINGENCY FOR MISSING ITEMS		15%	of all roadway	\$ 4,328,000
Subtotal				\$ 9,810,000
Construction Cost (2026 Dollars)				\$ 38,700,000
Anticipated Right-of-Way Cost (2026 Dollars)				\$ 4,560,000
Engineering Cost (2026 Dollars)				\$ 5,805,000
Total Cost (2026 Dollars)				\$ 49,065,000

Notes:

- Highway pavement section assumed is 12 inch concrete pavement, 10 inch aggregate base.
- Local road pavement section assumed is 10 inch bituminous pavement, 12 inch aggregate base.
- Local station pavement section assumed is 4 inch asphalt pavement, 6 inch aggregate base.
- Elevator and Stairwell includes all required mechanical and structural components for their construction
- City Utilities includes plumbing, electrical and communications to mobility hub and local bus station. Also includes EV Charging stations.
- Includes parking lot lighting, bus station lighting, and mobility hub lighting.
- Drainage includes rural highway drainage, city street urban drainage, parking lot drainage and reshaping SE pond. Cost is 15% of Roadway Items.
- Inflation rate assumed to be 4%