

BROADWAY BLVD. RECONSTRUCTION - DR. MARTIN LUTHER KING JR. AVENUE TO LOMAS BOULEVARD

CITY OF ALBUQUERQUE PROJECT: A/E 6319.96

Engineer's Opinion of Probable Construction Cost - 60% Design - With HAWK and Signal Upgrades

March 21, 2024

ITEM NUMBER	LONG DESCRIPTION	UNIT	UNIT PRICE	TOTAL QUANTITY	TOTAL COST
	CONSTRUCTION				
4.010	CONSTRUCTION STAKING, COMPLETE	LS	\$ 40,000.00	1	\$40,000.00
4.020	CONSTRUCTION SURVEYING, COMPL.	LS	\$ 20,000.00	1	\$20,000.00
6.050	CONSTRUCTION MOBILIZATION, COMPL.	LS	\$ 121,900.00	1	\$121,900.00
19.010	CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL.	LS	\$ 146,200.00	1	\$146,200.00
30.020	NPDES PERMITTING, COMPL.	LS	\$ 15,000.00	1	\$15,000.00
1600.001	VIBRATION MONITORING AND DIGITAL VIDEO RECORDING	LS	\$ 40,000.00	1	\$40,000.00
	SUBTOTAL CONSTRUCTION ITEMS				\$383,100.00
	ROADWAY				
202.011	EXCAVATE & DISPOSE OF UNSUITABLE MATERIAL, COMPL.	CY	\$ 20.00	100	\$2,000.00
204.010	FILL, CONSTRUCTION, INCL. EXCAVATION, PLACEMENT & COMPACTION OF UNCLASSIFIED MATERIAL, OVER 2 FT. DEEP, CIP.	CY	\$ 20.00	400	\$8,000.00
301.011	ANY COMBINATION OF CUT/FILL AND/OR BALANCE AND/OR GRADING. LESS THAN 2' EXCAV., NO IMPORT OR EXPORT OF MATERIAL. CIP AT 95% COMPACTION	SY	\$ 9.00	8,600	\$77,400.00
301.020	SUBGRADE PREP. 12" AT 95% COMPACTION, CIP	SY	\$ 5.00	8,600	\$43,000.00
302.010	UNTREATED AGGREGATE BASE COURSE, CRUSHED, 6" AT 95% COMPACTION, CIP. SD 2408	SY	\$ 11.00	8,600	\$94,600.00
336.010	PRIME COAT, EMULSIFIED ASPHALT, CIP.	SY	\$ 1.20	8,600	\$10,320.00
336.024	ASPHALT CONCRETE, 3 INCH THICK, SUPERPAVE	SY	\$ 30.00	17,100	\$513,000.00
336.080	ASPHALT CONC., PLACEMENT, 3" THICK, ARTERIAL GRADATION SP-IV ADDITIONAL COST FOR PLACEMENT WITHOUT MACHINE LAYDOWN, CIP	SY	\$ 60.00	400	\$24,000.00
336.120	TACK COAT, CATIONIC EMULSIFIED ASPHALT, CIP.	SY	\$ 1.00	8,600	\$8,600.00
337.050	CONCRETE PAVEMENT, 9" THICK, PORTLAND CEMENT CONCRETE WITH FLY ASH, CIP. SD2407	SY	\$ 140.00	120	\$16,800.00
340.010	SIDEWALK, 4" THICK, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE COMPACTION, CIP. SD 2430	SY	\$ 75.00	520	\$39,000.00
340.020	DRIVEPAD, 6" THICK, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE COMPACTION, CIP. SD 2425	SY	\$ 120.00	61	\$7,320.00
340.023	WHEELCHAIR ACCESS RAMP, 4" PCC, STD. CURB., CIP. SD 2418	SY	\$ 105.00	140	\$14,700.00
340.029	DETECTABLE WARNING SURFACES FOR ADA RAMPS	SF	\$ 35.00	160	\$5,600.00
340.053	CURB & GUTTER, STANDARD, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE PREPARATION, CIP. SD 2415	LF	\$ 45.00	480	\$21,600.00
340.060	CURB & GUTTER, MEDIAN, PORTLAND CEMENT CONCRETE, CIP. SD 2408	LF	\$ 40.00	1,940	\$77,600.00
346.100	TEXTURED MEDIAN PAVEMENT, 4 " THICK, COLORED PC CONCRETE, INCL. SUBGRADE COMPACTION, CIP. SD 2408	SF	\$ 16.00	1,940	\$31,040.00
510.100	CUT-OFF WALL, PC CONCRETE, INCL. FORMWORK, CIP.	CY	\$ 2,000.00	6	\$12,000.00
	SUBTOTAL ROADWAY ITEMS				\$1,006,580.00



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ITEM NUMBER	LONG DESCRIPTION	UNIT	UNIT PRICE	TOTAL QUANTITY	TOTAL COST
	DRAINAGE				
701.100	TRENCHING, BACKFILLING, & COMPACTION, FOR 18" TO 36" SEWER PIPE, UP TO 8' IN DEPTH, PIPE NOT INCL., COMPL.	LF	\$ 100.00	10	\$1,000.00
910.009	24" REINFORCED CONCRETE PIPE, CLASS III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF	\$ 80.00	10	\$800.00
915.020	CATCH BASIN, TYPE "A", DOUBLE GRATE, CIP. SD 2201	EA	\$ 10,000.00	1	\$10,000.00
915.030	CATCH BASIN, TYPE "C", SINGLE GRATE, CIP. SD 2205	EA	\$ 12,000.00	1	\$12,000.00
	SUBTOTAL DRAINAGE ITEMS				\$23,800.00
	REMOVALS				
201.010	SITE CLEARING AND GRUBBING, COMPL.	AC	\$ 8,000.00	1	\$8,000.00
201.020	TREES, 12" TO 30" CIRCUMFERENCE, REMOVE & DISPOSE, COMPL.	EA	\$ 1,500.00	1	\$1,500.00
343.020	EXISTING PAVEMENT, ASPHALT CONCRETE, UP TO 4" THICK, SAWCUT, REMOVE & DISPOSE, COMPL.	SY	\$ 9.00	7,600	\$68,400.00
343.030	EXISTING PAVEMENT, ASPHALT CONCRETE, MORE THAN 4" THICK, SAWCUT, REMOVE & DISPOSE, COMPL.	SY	\$ 12.00	900	\$10,800.00
343.050	EXISTING PAVEMENT, PC CONCRETE, MORE THAN 6" THICK, SAWCUT, REMOVE & DISPOSE, COMPL.	SY	\$ 22.00	120	\$2,640.00
343.080	EXISTING CURB & GUTTER OR VALLEY GUTTER, PC CONCRETE, REMOVE & DISPOSE, COMPL.	LF	\$ 15.00	520	\$7,800.00
343.090	REMOVE AND DISPOSE EXISTING PCC SIDEWALK, CURB RAMPS, AND DRIVEPAD	SY	\$ 16.00	600	\$9,600.00
421.112	METER PEDESTAL (SIGNAL), REMOVE & DISPOSE, COMPL.	EA	\$ 11,000.00	2	\$22,000.00
422.101	TRAFFIC SIGNAL PEDESTAL POLE, ANY SIZE, REMOVE & SALVAGE, COMPL.	EA	\$ 500.00	9	\$4,500.00
422.110	TRAFFIC SIGNAL MASTARM, ANY SIZE, REMOVE & SALVAGE, COMPL.	EA	\$ 2,000.00	13	\$26,000.00
423.101	TRAFFIC SIGNAL FOUNDATION MASTARM, REMOVE & DISPOSE, COMPL.	EA	\$ 1,000.00	13	\$13,000.00
423.102	TRAFFIC SIGNAL FOUNDATION, FOR PEDESTAL POLE & SPLICE CABINET, REMOVE & DISPOSE, COMPL.	EA	\$ 600.00	9	\$5,400.00
423.121	STREET LIGHT FOUNDATION, REMOVE & DISPOSE, COMPL.	EA	\$ 600.00	2	\$1,200.00
915.070	CATCH BASIN, EXISTING, REMOVE & DISPOSE, ANY TYPE, INCL. CLEANUP, COMPL., SD 2200	EA	\$ 1,500.00	2	\$3,000.00
	SUBTOTAL REMOVAL ITEMS				\$183,840.00
	LIGHTING				
422.030	STREET LIGHT STANDARD, SINGLE ARM, 30', (TYPE V, DAVIT), CIP.	EA	\$ 8,000.00	1	\$8,000.00
423.020	LUMINAIRE FOUNDATION FOR LUMINAIRE HEIGHT OF 40' OR LESS, CIP.	EA	\$ 1,800.00	3	\$5,400.00
424.006	ELECTRICAL CONDUIT, 2", INCL. TRENCHING, BACKFILL, & PATCHING, CIP.	LF	\$ 11.00	200	\$2,200.00
425.002	ELECTRICAL PULL BOX, (STANDARD), CIP.	EA	\$ 1,000.00	6	\$6,000.00
426.001	SINGLE CONDUCTOR, #2, CIP.	LF	\$ 4.00	700	\$2,800.00
426.004	SINGLE CONDUCTOR, #8, CIP.	LF	\$ 2.00	200	\$400.00
432.00X	LED ROADWAY LUMINAIRE	EA	\$ 591.72	1	\$591.72
	SUBTOTAL LIGHTING ITEMS				\$25,391.72



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	SIGNALS				
421.010	METER PEDESTAL (SIGNAL), CIP.	EA	\$ 6,000.00	2	\$12,000.00
422.003	TRAFFIC SIGNAL PEDESTAL POLE, 13', CIP.	EA	\$ 1,500.00	11	\$16,500.00
422.015	TRAFFIC SIGNAL MASTARM, 25' ARM, TYPE III, TROMBONE, CIP.	EA	\$ 16,000.00	2	\$32,000.00
422.016	TRAFFIC SIGNAL MASTARM, 30' ARM, TYPE II, TROMBONE, CIP.	EA	\$ 18,000.00	1	\$18,000.00
422.019	TRAFFIC SIGNAL MASTARM, 35' ARM, TYPE III, TROMBONE, CIP.	EA	\$ 20,000.00	1	\$20,000.00
422.020	TRAFFIC SIGNAL MASTARM, 40' ARM, TYPE II, TROMBONE, CIP.	EA	\$ 20,000.00	3	\$60,000.00
422.XXX	TRAFFIC SIGNAL MASTARM, 45' ARM, TYPE II, TROMBONE, CIP.	EA	\$ 22,000.00	2	\$44,000.00
422.XXX	TRAFFIC SIGNAL MASTARM, 45' ARM, TYPE III, TROMBONE, CIP.	EA	\$ 24,000.00	2	\$48,000.00
422.XXX	TRAFFIC SIGNAL MASTARM, 50' ARM, TYPE II, TROMBONE, CIP.	EA	\$ 24,000.00	1	\$24,000.00
422.XXX	TRAFFIC SIGNAL MASTARM, 50' ARM, TYPE III, TROMBONE, CIP.	EA	\$ 26,000.00	1	\$26,000.00
422.XXX	TRAFFIC SIGNAL MASTARM, 55' ARM, TYPE II, TROMBONE, CIP.	EA	\$ 28,000.00	1	\$28,000.00
422.XXX	TRAFFIC SIGNAL MASTARM, 60' ARM, TYPE II, TROMBONE, CIP.	EA	\$ 30,000.00	1	\$30,000.00
423.001	TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE, CIP.	EA	\$ 2,000.00	11	\$22,000.00
423.002	TRAFFIC SIGNAL MASTARM FOUNDATION, CIP.	EA	\$ 2,300.00	15	\$34,500.00
423.003	TRAFFIC SIGNAL CONTROLLER FOUNDATION,(TYPE M & P CABINET), CIP.	EA	\$ 750.00	6	\$4,500.00
426.006	ELECTRICAL CONDUIT, 2", INCL. TRENCHING, BACKFILL, PATCHING, PUISHING, BORING, & JACKING, CIP.	EA	\$ 11.00	6,100	\$67,100.00
424.011	ELECTRICAL CONDUIT, 3", INCL. TRENCHING, BACKFILL, PATCHING, PUISHING, BORING, & JACKING, CIP.	EA	\$ 15.00	5,400	\$81,000.00
425.002	ELECTRICAL PULL BOX, (STANDARD), CIP.	EA	\$ 1,000.00	58	\$58,000.00
427.002	3 SECTION TRAFFIC SIGNAL ASSEMBLY, CIP.	EA	\$ 850.00	43	\$36,550.00
427.003	3 SECTION TRAFFIC SIGNAL ASSEMBLY FOR HAWK CONFIG., CIP	EA	\$ 1,000.00	6	\$6,000.00
427.00X	4 SECTION TRAFFIC SIGNAL ASSEMBLY, CIP.	EA	\$ 1,100.00	3	\$3,300.00
427.004	5 SECTION TRAFFIC SIGNAL ASSEMBLY, CIP.	EA	\$ 1,200.00	16	\$19,200.00
427.023	PEDESTRIAN SIGNAL, LED, CIP.	EA	\$ 815.00	34	\$27,710.00
427.031	3 SECTION BACKPLATE, CIP.	EA	\$ 120.00	23	\$2,760.00
427.032	3 SECTION BACKPLATE FOR HAWK CONFIG., CIP	EA	\$ 130.00	6	\$780.00
427.033	5 SECTION BACKPLATE, CIP.	EA	\$ 150.00	6	\$900.00
428.010	PUSH BUTTON STATION, CIP.	EA	\$ 700.00	19	\$13,300.00
429.001	TRAFFIC ACTUATED CONTROLLER, CIP.	EA	\$ 6,300.00	6	\$37,800.00
429.021	8 PHASE DUAL RING CONTROLLER CABINET, CIP.	EA	\$ 28,000.00	6	\$168,000.00
425.XXX	INTERCONNECT UPGRADES	LS	\$ 25,000.00	1	\$25,000.00
	SUBTOTAL SIGNAL ITEMS				\$966,900.00



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	SIGNING AND STRIPING				
440.015	REFLECTORIZED PAINT FOR MEDIAN NOSE, CIP.	SF	\$ 5.00	300	\$1,500.00
441.001	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 4" WIDTH, CIP.	LF	\$ 1.50	4,100	\$6,150.00
441.002	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 6" WIDTH, CIP.	LF	\$ 1.90	2,200	\$4,180.00
441.005	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 24" WIDTH, CIP.	LF	\$ 9.00	700	\$6,300.00
441.010	REFLECTORIZED PLASTIC ARROW, RIGHT, CIP.	EA	\$ 260.00	4	\$1,040.00
441.011	REFLECTORIZED PLASTIC ARROW, LEFT, CIP.	EA	\$ 260.00	7	\$1,820.00
441.031	REFLECTORIZED PLASTIC SYMBOL, BICYCLE, CIP	EA	\$ 300.00	10	\$3,000.00
441.040	RETROREFLECTORIZED PLASTIC MARKING, ARROW, SYMBOL, OR WORD, CIP. (LEFT LAND DROP AND BICYCLE ARROW)	EA.	\$ 300.00	12	\$3,600.00
450.001	ALUMINUM PANEL SIGN, CIP,	SF	\$ 26.00	80	\$2,080.00
450.010	SQUARE TUBE STEEL POSTS & BASE POSTS FOR ALUMINUM PANEL SIGN, CIP.	LF	\$ 16.00	180	\$2,880.00
	SUBTOTAL SIGNING AND STRIPING ITEMS				\$32,550.00
	LANDSCAPING				
1001.XXX	LANDSCAPING AND IRRIGATION, COMPL. (INCL. GRAVEL, TREES, SHRUBS, BOULDERS)	LS	\$ 185,000.00	1	\$185,000.00
	SUBTOTAL LANDSCAPING ITEMS				\$185,000.00
	ABCWUA ITEMS				
801.111	VALVE BOX, ADJUST TO GRADE, CIP.	EA	\$ 1,000.00	12	\$12,000.00
802.400	WATER METER BOX, ADJUST TO GRADE, COMPL.	EA	\$ 1,100.00	4	\$4,400.00
920.400	EXISTING MANHOLE FRAME & COVER, ADJUST TO GRADE WITH METAL RINGS, 2" OR LESS, CIP. SD 2460	EA	\$ 1,500.00	14	\$21,000.00
	SUBTOTAL ABCWUA ITEMS				\$37,400.00
	SUBTOTAL BASE ITEMS				\$2,844,561.72
	ALLOWANCE (UTILITY RELOCATIONS)				\$20,000.00
	ALLOWANCE (MATERIALS TESTING)				\$50,000.00
	SUBTOTAL INCLUDING ALLOWANCES				\$2,914,561.72
	CONTINGENCY (15%)				\$437,184.26
	CONSTRUCTION MANAGEMENT (6%)				\$174,873.70
	SUBTOTAL (WITH CONTINGENCY AND CONST. MANAGEMENT)				\$3,526,619.68
	NMGRT (7.750%)				\$273,313.03
	PROJECT TOTAL				\$3,799,932.71

Note: The construction cost estimates is based on WSP's professional experience and judgment and shall be deemed to represent the company's opinion. The company has no control over the cost of labor, material, equipment, and other relevant factors that could influence the ultimate construction costs. Thus, the company does not guarantee that proposals, bids, or the actual facility cost will be the same as the company's estimate of probable construction cost or that construction costs will not vary from its opinions of probable cost.

