

**CITY AND COUNTY OF DENVER - DEPT. OF PUBLIC WORKS - TRAFFIC ENGINEERING SERVICES
TRAFFIC SIGNAL REBUILD - MLP-1 PROJECT CE80555**

**SUMMARY OF APPROXIMATE TRAFFIC SIGNAL QUANTITIES AND
OPINION OF PROBABLE CONSTRUCTION COSTS**

13-Apr-09

Item Number	Item Description	Unit	Quantity	Unit Cost	Total Cost	Sturgeon Electric Company Safeco Insurance Co. of Amer.		W.L. Contractors, Inc. Safeco Insurance Co. of Amer.	
						Unit Bid	Total Bid	Unit Bid	Total Bid
201-00000	CLEARING AND GRUBBING	LS	1	\$ 14,000.00	\$ 14,000.00	\$ 6,150.00	\$ 6,150.00	\$ 6,200.00	\$ 6,200.00
202-00019	REMOVAL OF INLET	EACH	1	\$ 1,500.00	\$ 1,500.00	\$ 1,320.00	\$ 1,320.00	\$ 700.00	\$ 700.00
202-00035	REMOVAL OF PIPE	LF	12	\$ 50.00	\$ 600.00	\$ 50.00	\$ 600.00	\$ 46.00	\$ 552.00
202-00195	REMOVAL OF MEDIAN COVER	SY	43	\$ 15.00	\$ 645.00	\$ 30.00	\$ 1,290.00	\$ 21.00	\$ 903.00
202-00200	REMOVAL OF SIDEWALK	SY	480	\$ 15.00	\$ 7,200.00	\$ 19.00	\$ 9,120.00	\$ 21.00	\$ 10,080.00
202-00203	REMOVAL OF CURB AND GUTTER	LF	1504	\$ 10.00	\$ 15,040.00	\$ 7.00	\$ 10,528.00	\$ 8.00	\$ 12,032.00
202-00206	REMOVAL OF CONCRETE CURB RAMP	SY	63	\$ 25.00	\$ 1,575.00	\$ 33.00	\$ 2,079.00	\$ 21.00	\$ 1,323.00
202-00210	REMOVAL OF CONCRETE PAVEMENT	SY	367	\$ 18.00	\$ 6,606.00	\$ 20.00	\$ 7,340.00	\$ 21.00	\$ 7,707.00
202-00220	REMOVAL OF ASPHALT MAT	SY	790	\$ 12.00	\$ 9,480.00	\$ 28.00	\$ 22,120.00	\$ 15.00	\$ 11,850.00
202-00250	REMOVAL OF PAVEMENT MARKING	SF	8500	\$ 2.00	\$ 17,000.00	\$ 1.75	\$ 14,875.00	\$ 2.00	\$ 17,000.00
202-00810	REMOVAL OF GROUND SIGN	EACH	11	\$ 75.00	\$ 825.00	\$ 200.00	\$ 2,200.00	\$ 21.00	\$ 231.00
202-00828	REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	LS	1	\$ 35,000.00	\$ 35,000.00	\$ 40,000.00	\$ 40,000.00	\$ 18,200.00	\$ 18,200.00
203-01597	POTHOLING	EACH	120	\$ 200.00	\$ 24,000.00	\$ 140.00	\$ 16,800.00	\$ 190.00	\$ 22,800.00
210-00050	RESET FIRE HYDRANT	EACH	1	\$ 3,000.00	\$ 3,000.00	\$ 2,450.00	\$ 2,450.00	\$ 2,130.00	\$ 2,130.00
210-00473	RESET CCTV CAMERA	EACH	1	\$ 2,300.00	\$ 2,300.00	\$ 1,050.00	\$ 1,050.00	\$ 570.00	\$ 570.00
210-00870	RESET COORDINATION UNIT	EACH	1	\$ 500.00	\$ 500.00	\$ 1,100.00	\$ 1,100.00	\$ 450.00	\$ 450.00
210-04020	MODIFY INLET (SPECIAL)	EACH	1	\$ 3,500.00	\$ 3,500.00	\$ 1,590.00	\$ 1,590.00	\$ 9,610.00	\$ 9,610.00
403-00720	HOT MIX ASPHALT (PATCHING) (ASPHALT)	TON	598	\$ 70.00	\$ 41,860.00	\$ 75.00	\$ 44,850.00	\$ 140.00	\$ 83,720.00
412-01000	CONCRETE PAVEMENT (10 INCH)	SY	142	\$ 60.00	\$ 8,520.00	\$ 79.00	\$ 11,218.00	\$ 84.00	\$ 11,928.00
603-01120	12 INCH REINFORCED CONCRETE PIPE	LF	29	\$ 70.00	\$ 2,030.00	\$ 115.00	\$ 3,335.00	\$ 81.00	\$ 2,349.00
603-01150	15 INCH REINFORCED CONCRETE PIPE	LF	19	\$ 75.00	\$ 1,425.00	\$ 135.00	\$ 2,565.00	\$ 95.00	\$ 1,805.00
604-13005	INLET TYPE 14	EACH	1	\$ 6,000.00	\$ 6,000.00	\$ 4,790.00	\$ 4,790.00	\$ 4,950.00	\$ 4,950.00
604-16005	INLET TYPE 16 (5 FOOT)	EACH	1	\$ 3,600.00	\$ 3,600.00	\$ 3,395.00	\$ 3,395.00	\$ 4,950.00	\$ 4,950.00
604-16505	INLET TYPE 16 (DOUBLE) (5 FOOT)	EACH	1	\$ 6,000.00	\$ 6,000.00	\$ 5,210.00	\$ 5,210.00	\$ 5,550.00	\$ 5,550.00
604-30005	MANHOLE SLAB BASE (5 FOOT)	EACH	1	\$ 3,600.00	\$ 3,600.00	\$ 4,050.00	\$ 4,050.00	\$ 5,330.00	\$ 5,330.00
608-00000	CONCRETE SIDEWALK	SY	512	\$ 80.00	\$ 40,960.00	\$ 41.75	\$ 21,376.00	\$ 47.00	\$ 24,064.00
608-00010	CONCRETE CURB RAMP	SY	330	\$ 120.00	\$ 39,600.00	\$ 89.00	\$ 29,370.00	\$ 101.00	\$ 33,330.00
609-21010	6-INCH CURB AND GUTTER, 1-FT PAN	LF	193	\$ 20.00	\$ 3,860.00	\$ 21.50	\$ 4,149.50	\$ 20.00	\$ 3,860.00
609-21020	6-INCH CURB AND GUTTER, 2-FT PAN	LF	1223	\$ 25.00	\$ 30,575.00	\$ 17.00	\$ 20,791.00	\$ 20.00	\$ 24,460.00
609-24008	4-INCH MOUNTABLE CURB AND GUTTER, 2-FT PAN	LF	91	\$ 90.00	\$ 8,190.00	\$ 30.00	\$ 2,730.00	\$ 22.00	\$ 2,002.00
609-24100	12-FT VALLEY GUTTER	LF	83	\$ 75.00	\$ 6,225.00	\$ 52.00	\$ 4,316.00	\$ 47.00	\$ 3,901.00
613-01200	2 INCH ELECTRICAL CONDUIT (PLASTIC)	LF	2645	\$ 15.00	\$ 39,675.00	\$ 12.50	\$ 33,062.50	\$ 12.50	\$ 33,062.50
613-01300	3 INCH ELECTRICAL CONDUIT (PLASTIC)	LF	4940	\$ 20.00	\$ 98,800.00	\$ 14.00	\$ 69,160.00	\$ 14.75	\$ 72,865.00
613-07000	PULL BOX (WATER VALVE)	EACH	2	\$ 700.00	\$ 1,400.00	\$ 670.00	\$ 1,340.00	\$ 256.00	\$ 512.00
613-07023	PULL BOX (TRAFFIC)	EACH	30	\$ 600.00	\$ 18,000.00	\$ 650.00	\$ 19,500.00	\$ 400.00	\$ 12,000.00
613-07026	PULL BOX (TYPE A)	EACH	33	\$ 600.00	\$ 19,800.00	\$ 425.00	\$ 14,025.00	\$ 400.00	\$ 13,200.00
614-00011	SIGN PANEL (CLASS I)	SF	684	\$ 25.00	\$ 17,100.00	\$ 32.00	\$ 21,888.00	\$ 25.00	\$ 17,100.00
614-00216	STEEL SIGN POST (2x2 INCH TUBING)	LF	94	\$ 25.00	\$ 2,350.00	\$ 30.00	\$ 2,820.00	\$ 35.00	\$ 3,290.00
614-03100	CONCRETE FOOTING (TRAFFIC SIGNAL POLE)	EACH	25	\$ 3,600.00	\$ 90,000.00	\$ 4,250.00	\$ 106,250.00	\$ 2,300.00	\$ 57,500.00
614-70150	PEDESTRIAN SIGNAL FACE (16) (COUNTDOWN)	EACH	52	\$ 750.00	\$ 39,000.00	\$ 665.00	\$ 34,580.00	\$ 515.00	\$ 26,780.00
614-70336	TRAFFIC SIGNAL FACE (12-12-12)	EACH	103	\$ 800.00	\$ 82,400.00	\$ 860.00	\$ 88,580.00	\$ 655.00	\$ 67,465.00
614-70560	TRAFFIC SIGNAL FACE (12-12-12-12-12)	EACH	14	\$ 1,200.00	\$ 16,800.00	\$ 1,200.00	\$ 16,800.00	\$ 1,060.00	\$ 14,840.00
614-72860	PEDESTRIAN PUSH BUTTON	EACH	26	\$ 225.00	\$ 5,850.00	\$ 375.00	\$ 9,750.00	\$ 220.00	\$ 5,720.00
614-72875	TRAFFIC SIGNAL VEHICLE DETECTOR (LOOP TYPE)	EACH	4	\$ 1,000.00	\$ 4,000.00	\$ 960.00	\$ 3,840.00	\$ 925.00	\$ 3,700.00
614-72886	INTERSECTION DETECTION SYSTEM (CAMERA)	EACH	12	\$ 6,500.00	\$ 78,000.00	\$ 6,550.00	\$ 78,600.00	\$ 7,000.00	\$ 84,000.00
614-75848	TRAFFIC SIGNAL CONTROLLER AND CABINET (INSTALL ONLY)	EACH	6	\$ 2,500.00	\$ 15,000.00	\$ 8,976.00	\$ 53,856.00	\$ 5,650.00	\$ 33,900.00
614-79867	FIRE PREEMPTION UNIT AND TIMER	EACH	7	\$ 6,000.00	\$ 42,000.00	\$ 14,500.00	\$ 101,500.00	\$ 6,940.00	\$ 48,580.00
614-83000	TRAFFIC SIGNAL MAST ARM STEEL (INSTALL ONLY)	EACH	27	\$ 2,500.00	\$ 67,500.00	\$ 1,850.00	\$ 49,950.00	\$ 915.00	\$ 24,705.00
620-00020	SANITARY FACILITY	EACH	7	\$ 2,000.00	\$ 14,000.00	\$ 4,700.00	\$ 32,900.00	\$ 120.00	\$ 840.00
625-00000	CONSTRUCTION SURVEYING	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 14,800.00	\$ 14,800.00	\$ 13,550.00	\$ 13,550.00
626-00000	MOBILIZATION	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 35,000.00	\$ 35,000.00	\$ 53,900.00	\$ 53,900.00
627-00002	THERMOPLASTIC PAVEMENT MARKING	SF	1081	\$ 10.00	\$ 10,810.00	\$ 4.00	\$ 4,324.00	\$ 4.00	\$ 4,324.00
627-00004	EPOXY PAVEMENT MARKING	GAL	15	\$ 85.00	\$ 1,275.00	\$ 220.00	\$ 3,300.00	\$ 226.00	\$ 3,390.00
627-30410	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOP LINE)	SF	6078	\$ 12.00	\$ 72,936.00	\$ 7.50	\$ 45,585.00	\$ 9.50	\$ 57,741.00
630-10005	CONSTRUCTION TRAFFIC CONTROL	LS	1	\$ 80,000.00	\$ 80,000.00	\$ 99,338.00	\$ 99,338.00	\$ 75,000.00	\$ 75,000.00
700-70010	F/A MINOR CONTRACT REVISIONS	F A	1	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
700-70310	F/A LANDSCAPING	F A	1	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
TOTAL						\$ 1,316,912.00	\$ 1,273,506.00	\$ 1,092,501.50	
							\$ 1,243,500.00		
							\$ 30,006.00		