

ATTACHMENT A

Group I Push Button Services

Traffic Signal Improvements and Repairs - Contractor shall provide pricing below inclusive of all labor, material, equipment, supervision, mobilization and demobilization costs, maintenance of traffic, if necessary, and transportation necessary on an as-needed basis for the City of Miami Beach in accordance with the bid specifications.

Item Number	Description	Unit	AGC Electric, Inc.	AUM Construction Inc.	Horsepower Electric, Inc.	R & D Electric, Inc.
102-74-2	BARRICADES (Temporary , Type III, 6')	EA	\$ 1.50	\$ 1.00	\$ 2.00	\$ 0.50
102-74-1A	BARRICADES (TEMPORARY- TYPE I, II & VP)	EA	\$ 1.00	\$ 1.00	\$ 1.00	\$ 0.50
102-76	FLASHING ARROW BOARD (Temporary, Multimode)	EA	\$ 30.00	\$ 15.00	\$ 15.00	\$ 8.00
102-77	102-77 HIGH INTENSITY FLASHING LIGHTS (TEMPORARY, TYPE "B")	EA	\$ 3.00	\$ 25.00	\$ 1.00	\$ 6.00
0102-15-0	RADAR SPEED DISPLAY UNIT	ED	\$ 25.00	\$ 25.00	\$ 25.00	\$ 10.00
0102- 60-	WORK ZONE SIGN	ED	\$ 0.50	\$ 1.00	\$ 1.00	\$ 3.00
0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	\$ 1.00	\$ 0.50	\$ 1.00	\$ 0.50
0102- 74- 6	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	ED	\$ 2.00	\$ 0.50	\$ 3.00	\$ 0.50
0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	\$ 30.00	\$ 15.00	\$ 15.00	\$ 8.00
0102-91A	PAVING MARKING TEMPORARY (SKIP),(ANY WIDTH),(YELLOW OR WHITE),(PAINT)	LF	\$ 0.90	\$ 1.00	\$ 3.00	\$ 8.00
0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	\$ 40.00	\$ 20.00	\$ 25.00	\$ 20.00
102-01	MAINTENANCE OF TRAFFIC	DA	\$ 870.00	\$ 750.00	\$ 2,500.00	\$ 600.00
0104- 10- 3	SEDIMENT BARRIER	LF	\$ 6.00	\$ 5.00	\$ 0.50	\$ 8.00
0104- 18-	INLET PROTECTION SYSTEM	EA	\$ 250.00	\$ 350.00	\$ 60.00	\$ 350.00
0110- 2- 1	CLEARING & GRUBBING (PUSH BUTTON CONTRACT)	AC	\$ 1,000.00	\$ 10,000.00	\$ 10,000.00	\$ 50,000.00
0110- 4- 2H	REMOVAL AND DISPOSAL OF EXISTING CONCRETE SIDEWALK - (UP TO 8" SICK)	SY	\$ 80.00	\$ 30.00	\$ 40.00	No Bid
0110-4-10C	REMOVE AND DISPOSE EXISTING CURB AND GUTTER	LF	\$ 20.00	\$ 10.00	\$ 10.00	No Bid
327-70	MILLING EXISTING PAVEMENT (1")(Payment for greater cuts will be paid proportionally)	SY	\$ 12.00	\$ 15.00	\$ 20.00	\$ 6.00
200-1-10	LIMEROCK BASE (8" THICK, PRIMED)	SY	\$ 7.00	\$ 50.00	\$ 75.00	\$ 350.00
334-2-13-1	HOT MIX ASPHALT, TRAFFIC C, SP-9.5	TN	\$ 450.00	\$ 550.00	\$ 500.00	\$ 250.00
351-1A	COLOR CONCRETE CURB AND GUTTER (TYPE F)	LF	\$ 85.00	\$ 45.00	\$ 50.00	\$ 120.00
351-1B	COLORED CONCRETE SIDEWALK (4"-THICK)	LF	\$ 95.00	\$ 70.00	\$ 75.00	\$ 120.00
351-1C	COLORED CONCRETE SIDEWALK (6"-THICK)	LF	\$ 103.00	\$ 80.00	\$ 85.00	\$ 120.00
425-5-1	ADJUST MANHOLE (UTILITIES) (MIAMI-DADE WATER AND SEWER)	EA	\$ 800.00	\$ 1,500.00	\$ 1,500.00	\$ 2,500.00
0520- 2	CONCRETE CURB & GUTTER (ANY TYPE, INCLUDING BASE PREPARATION)	LF	\$ 50.00	\$ 35.00	\$ 50.00	\$ 120.00
0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK (INCLUDES THE COST OF PEDESTRIAN RAMPS AND SIDEWALK CURBS)	SY	\$ 75.00	\$ 70.00	\$ 85.00	\$ 120.00
0522- 2-1	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK (INCLUDES DRIVEWAYS)	SY	\$ 85.00	\$ 80.00	\$ 95.00	\$ 146.00
0526- 1- 2	PAVERS, ARCHITECTURAL, SIDEWALK	SY	\$ 120.00	\$ 200.00	\$ 200.00	\$ 300.00
0527-2	DETECTABLE WARNING ON WALKING SURFACE	SF	\$ 45.00	\$ 35.00	\$ 40.00	\$ 86.00
0575-1-1	SODDING (Pensacola Bahia or match existing) (includes watering)	SY	\$ 20.00	\$ 20.00	\$ 10.00	\$ 40.00
0580-336	TREE TRIMMING	HR	\$ 65.00	\$ 250.00	\$ 175.00	\$ 60.00
620-1-1	GROUNDING ELECTRODE	LF	\$ 8.00	\$ 20.00	\$ 10.00	\$ 26.00
630-1-12	CONDUIT 2" PVC, UNDERGROUND	LF	\$ 20.00	\$ 30.00	\$ 30.00	\$ 40.00

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630-1-13	CONDUIT 2" PVC, UNDERPAVEMENT (contingent to field condition and could be increased, decreased, or eliminated by the Project Manager)	LF	\$ 26.00	\$ 50.00	\$ 50.00	\$ 56.00
630-1-14	CONDUIT 2" PVC, UNDERGROUND DIRECTIONAL BORE	LF	\$ 26.00	\$ 50.00	\$ 30.00	\$ 45.00
630-1-16B	CONDUIT 2" PVC, additional conduit installed in existent open trench. Item is contingent upon field condition and could be increased, decreased, or eliminated by the Project Manager)	LF	\$ 6.00	\$ 10.00	\$ 10.00	\$ 6.00
0630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	\$ 20.00	\$ 30.00	\$ 30.00	\$ 40.00
0630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	\$ 26.00	\$ 50.00	\$ 30.00	\$ 45.00
0630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	\$ 20.00	\$ 65.00	\$ 30.00	\$ 48.00
0632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	\$ 13,000.00	\$ 10,000.00	\$ 12,000.00	\$ 8,600.00
632-7-1A	TRAFFIC CONTROL CABLE (11-21 CONDUCTOR)	LF	\$ 12.00	\$ 20.00	\$ 25.00	\$ 12.00
632-7-1B	TRAFFIC CONTROL CABLE (4-7 CONDUCTOR)	LF	\$ 9.00	\$ 15.00	\$ 20.00	\$ 11.00
0632-7-2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	\$ 9.00	\$ 10.00	\$ 20.00	\$ 12.00
0632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	PI	\$ 780.00	\$ 250.00	\$ 500.00	\$ 800.00
0633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	\$ 7.00	\$ 8.00	\$ 4.00	\$ 8.00
0633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	\$ 9.00	\$ 10.00	\$ 6.00	\$ 8.00
0633-1-420	FIBER OPTIC CABLE, RELOCATE, UNDERGROUND	LF	\$ 6.00	\$ 8.00	\$ 3.00	\$ 8.00
0633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	\$ 125.00	\$ 100.00	\$ 100.00	\$ 120.00
0633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	\$ 150.00	\$ 200.00	\$ 125.00	\$ 120.00
0633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	\$ 3,600.00	\$ 2,000.00	\$ 1,250.00	\$ 2,600.00
0633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	\$ 500.00	\$ 100.00	\$ 75.00	\$ 250.00
0633-3-14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA	\$ 1,900.00	\$ 750.00	\$ 100.00	\$ 310.00
0633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	\$ 1,900.00	\$ 2,500.00	\$ 1,500.00	\$ 3,600.00
0633-3-16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	\$ 2,300.00	\$ 2,500.00	\$ 1,600.00	\$ 2,600.00
0633-3-17	FIBER OPTIC CONNECTION HARDWARE, F&I, CONNECTOR PANEL	EA	\$ 800.00	\$ 750.00	\$ 500.00	\$ 1,200.00
0633-3-52	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE TRAY	EA	\$ 700.00	\$ 80.00	\$ 100.00	\$ 800.00
0633-4-1	SIGNALS COMMUNICATION CABLE- TWISTED PAIR CABLE, FURNISH & INSTALL	LF	\$ 8.00	\$ 15.00	\$ 5.00	\$ 12.00
0634-4-151	SPAN WIRE ASSEMBLY, F&I, TWO POINT, PERPENDICULAR	PI	\$ 3,100.00	\$ 6,000.00	\$ 5,000.00	\$ 13,800.00
0634-4-600	SPAN WIRE ASSEMBLY, REMOVE- POLES REMAIN	PI	\$ 980.00	\$ 1,000.00	\$ 1,000.00	\$ 750.00
0635-1-11	PULL & SPLICE BOX, (POLYMER)	AS	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,200.00
0635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	\$ 1,500.00	\$ 2,000.00	\$ 1,500.00	\$ 1,200.00
0635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	\$ 2,700.00	\$ 2,500.00	\$ 3,000.00	\$ 2,800.00
0635-2--13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	\$ 4,000.00	\$ 5,000.00	\$ 5,000.00	\$ 4,100.00
0635-3-12	JUNCTION BOX, FURNISH & INSTALL, MOUNTED	EA	\$ 420.00	\$ 750.00	\$ 750.00	\$ 680.00
0639-1-12	FP&L HOOKUP AND SITE ELECTRICAL (INCLUDING TELEMETRY WIRING)	LS	\$ 2,500.00	\$ 1,000.00	\$ 7,500.00	\$ 6,000.00
0639-1-123	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER NOT REQUIRED	AS	\$ 3,850.00	\$ 7,000.00	\$ 7,400.00	\$ 5,000.00
0639-1-13	ELECTRICAL PROWER SERVICES INCLUDES NEMA-3R RAIN-TIGHT INCLOSURE, DISCONNECT SWITCH,POLE CONDUIT)	AS	\$ 3,950.00	\$ 8,000.00	\$ 7,500.00	\$ 3,900.00

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0639-2-1	SERVICE WIRE(#6 AWG WITH THW INSULATION)(THREE CONDUCTOR SET)(BLACK,WHITE AND GREEN)	LF	\$ 7.00	\$ 10.00	\$ 12.00	\$ 8.00
641-2-12	PRESTRESSED CONCRETE POLES(FURNISH & INSTALL)(TYPE P-II SERVICE POLE)	EA	\$ 2,300.00	\$ 2,500.00	\$ 2,500.00	\$ 3,900.00
0639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	\$ 2,000.00	\$ 1,000.00	\$ 1,500.00	\$ 2,500.00
0641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	\$ 2,300.00	\$ 2,500.00	\$ 2,500.00	\$ 3,900.00
0641-2-16	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VI	EA	\$ 8,900.00	\$ 6,000.00	\$ 12,500.00	\$ 4,900.00
0641--2-17	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VII	EA	\$ 9,600.00	\$ 7,000.00	\$ 14,000.00	\$ 6,900.00
0646-1-11	ALUMINUM SIGNALS POLE, F&I, PEDESTAL	EA	\$ 2,000.00	\$ 2,000.00	\$ 3,500.00	\$ 3,000.00
0646-1-12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA	\$ 1,200.00	\$ 1,500.00	\$ 1,500.00	\$ 3,000.00
0646-1-60	ALUMINUM SIGNALS POLE, REMOVE	EA	\$ 300.00	\$ 100.00	\$ 500.00	\$ 50.00
647-11-01C	MAST ARM COMBINATION STANDARD-INSTALLATION ONLY(CONTRACTOR FURNISHES FOUNDATION, CUTS AND ADJUST ARMS TO FIT, FURNISH ARM CAPS AND OTHER INCIDENTALS)	EA	\$ 20,000.00	\$ 20,000.00	\$ 35,000.00	\$ 35,000.00
647-11-32(1)	MAST ARM COMBINATION STANDARD (32' ARM)(DS-12)	EA	\$ 24,500.00	\$ 30,000.00	\$ 50,000.00	\$ 65,000.00
647-11-38	MAST ARM COMBINATION STANDARD (38' ARM) (DS-15)	AS.	\$ 26,600.00	\$ 34,000.00	\$ 55,000.00	\$ 85,000.00
647- 11-34A	MAST ARM COMBINATION, (STD. TYPE DS-13)	AS.	\$ 27,000.00	\$ 32,000.00	\$ 53,000.00	\$ 84,000.00
647-11-36A	MAST ARM COMBINATIONS, (STD. TYPE DS-14)	AS.	\$ 28,000.00	\$ 33,500.00	\$ 53,500.00	\$ 84,000.00
647-11-40A	MAST ARM COMBINATION STANDARD [(40' ARM) (DS-16)	AS.	\$ 29,000.00	\$ 38,000.00	\$ 55,500.00	\$ 86,000.00
647-11-42A	MAST ARM COMBINATION STANDARD (42' ARM) (DS-17)	AS.	\$ 29,700.00	\$ 40,000.00	\$ 56,000.00	\$ 86,000.00
647-11-44A	MAST ARM COMBINATION STANDARD (44' ARM) (DS-18)	AS.	\$ 30,500.00	\$ 42,000.00	\$ 57,000.00	\$ 86,000.00
647-11-48A	MAST ARM COMBINATION STANDARD (48' Arm) (DS-20)	AS.	\$ 31,000.00	\$ 45,000.00	\$ 58,000.00	\$ 89,000.00
0649-31-101	STEEL MAST ARM,F&I, WIND SPEED-150,SINGLE ARM, W/0 LUMINAIRE-36	EA	\$ 59,000.00	\$ 65,000.00	\$ 60,000.00	\$ 65,000.00
0649-31-102	MAST ARM,F&I, WIND SPEED-150,SINGLE ARM,W/0 LUMINAIRE-46	EA	\$ 59,500.00	\$ 75,000.00	\$ 70,000.00	\$ 84,000.00
0649-31-103	MAST ARM,F&I, WIND SPEED-150, SINGLE ARM,W/0 LUMINAIRE-60	EA	\$ 65,000.00	\$ 90,000.00	\$ 75,000.00	\$ 89,000.00
0649- 31-111	MAST ARM,F&I, WIND SPEED-150,DOUBLE ARM,W/0 LUMINAIRE, 36- 46	EA	\$ 62,000.00	\$ 130,000.00	\$ 85,000.00	\$ 84,000.00
0649- 31-115	MAST ARM,F&I, WIND SPEED-150,DOUBLE ARM, W/0 LUMINAIRE, 46- 60	EA	\$ 39,000.00	\$ 135,000.00	\$ 86,000.00	\$ 160,000.00
0649- 31-116	MAST ARM,F&I, WIND SPEED-150,DOUBLE ARM,W/0 LUMINAIRE, 46- 70.5	EA	\$ 44,100.00	\$ 140,000.00	\$ 95,000.00	\$ 160,000.00
0649- 36-300	MAST ARM, REMOVE SHALLOW FOUNDATION, BOLT ON ATTACHMENT	EA	\$ 2,800.00	\$ 1,500.00	\$ 3,500.00	\$ 6,000.00
0650- 1- 14	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS.	\$ 2,000.00	\$ 1,800.00	\$ 1,800.00	\$ 2,100.00
0650- 1- 16	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS.	\$ 2,100.00	\$ 2,000.00	\$ 2,000.00	\$ 2,600.00
0650- 1- 19	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY	AS.	\$ 2,500.00	\$ 2,500.00	\$ 2,200.00	\$ 3,000.00
0650- 1- 24	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE W/ALUM TOP, 3 SECTION, 1 WAY	AS.	\$ 1,800.00	\$ 2,000.00	\$ 1,700.00	\$ 2,100.00
0650-1-44	TRAFFIC SIGNAL, FURNISH & INSTALL PROGRAMABLE, 3 SECTION, 1 WAY	AS.	\$ 7,000.00	\$ 7,000.00	\$ 8,000.00	\$ 14,000.00
0650- 1- 60	TRAFFIC SIGNAL, REMOVE- POLES TO REMAIN	AS.	\$ 280.00	\$ 150.00	\$ 200.00	\$ 80.00
0650- 1- 70	TRAFFIC SIGNAL, RELOCATE- INCLUDES REMOVAL AND REINSTALLATION	AS.	\$ 900.00	\$ 350.00	\$ 700.00	\$ 1,200.00
0650-51-313	TRAFFIC SIGNAL, F&I (3 SECTION, 1 WAY) (COMPLETE WITH HORIZONTAL MOUNTING BRACKETS AND LAMPS)(LED)	AS	\$ 2,000.00	\$ 1,800.00	\$ 1,800.00	\$ 2,100.00
0650-51-413	TRAFFIC SIGNAL, F&I (4 SECTION, 1 WAY) (COMPLETE WITH HORIZONTAL MOUNTING BRACKETS AND LAMPS)(LED)	AS	\$ 2,100.00	\$ 2,000.00	\$ 2,000.00	\$ 2,600.00

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0650-51-513	TRAFFIC SIGNAL, F&I (5 SECTION, 1 WAY) (COMPLETE WITH HORIZONTAL MOUNTING BRACKETS AND LAMPS)(LED)	AS	\$ 2,500.00	\$ 2,500.00	\$ 2,200.00	\$ 3,000.00
0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS.	\$ 1,800.00	\$ 1,800.00	\$ 1,100.00	\$ 1,400.00
0653- 1- 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS.	\$ 2,500.00	\$ 2,500.00	\$ 2,000.00	\$ 2,600.00
0653- 1- 60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS.	\$ 400.00	\$ 150.00	\$ 100.00	\$ 80.00
0653-191	PEDESTRIAN SIGNAL, ONE WAY (LED COUNTDOWN)	AS.	\$ 1,800.00	\$ 1,800.00	\$ 1,100.00	\$ 1,400.00
654-001-013	RECTANGULAR RAPID FLASHING BEACON FURNISHED AND INSTALL	EA	\$ 13,000.00	\$ 20,000.00	\$ 15,000.00	\$ 18,100.00
	IN ROADWAY LIGHT ASSEMBLY,IRLA, REPAIR	Cost of part	\$ 62,000.00	\$ 5,000.00	\$ 7,500.00	\$ 2,500.00
	SPEED FEEDBACK SIGN, REPAIR	Cost of part	\$ 4,500.00	\$ 12,000.00	\$ 6,000.00	\$ 2,500.00
659-112	SIGNAL HEAD AUXILIARIES (MOUNTING BRACKET, 2 WAY)	EA	\$ 600.00	\$ 1,000.00	\$ 800.00	\$ 2,000.00
0660- 1-101	LOOP DETECTOR INDUCTIVE, F&I, TYPE 1	EA	\$ 200.00	\$ 150.00	\$ 200.00	\$ 800.00
0660- 1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	EA	\$ 290.00	\$ 200.00	\$ 225.00	\$ 900.00
0660- 1-109	LOOP VEHICLE DETECTOR AMPLIFIER (RELAY OUTPUT-RACK MOUNTED TYPE 170 CABINET)	EA	\$ 300.00	\$ 200.00	\$ 500.00	\$ 800.00
0660- 1-110	LOOP DETECTOR INDUCTIVE, F&I, TYPE 10	EA	\$ 220.00	\$ 250.00	\$ 300.00	\$ 800.00
660-2-101	LOOP ASSEMBLY	AS	\$ 1,500.00	\$ 1,200.00	\$ 1,800.00	\$ 2,500.00
0660- 2-102	LOOP ASSEMBLY, F&I, TYPE B	AS.	\$ 1,300.00	\$ 1,200.00	\$ 600.00	\$ 2,500.00
0660- 2-106	LOOP ASSEMBLY, F&I, TYPE F	AS.	\$ 1,500.00	\$ 1,600.00	\$ 1,900.00	\$ 2,500.00
0660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA	\$ 10,000.00	\$ 11,000.00	\$ 7,500.00	\$ 8,500.00
0660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	\$ 9,000.00	\$ 11,500.00	\$ 11,000.00	\$ 20,000.00
0660- 4- 11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	\$ 6,000.00	\$ 10,000.00	\$ 20,000.00	\$ 20,000.00
0660- 4- 12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	\$ 4,200.00	\$ 3,500.00	\$ 7,500.00	\$ 8,500.00
0660- 4- 4A	LOOP LEAD IN CABLE (NO.14 A.W.G)	EA	\$ 7.00	\$ 10.00	\$ 5.00	\$ 8.00
0660- 4- 42	VEHICLE DETECTION SYSTEM- VIDEO, RELOCATE ABOVE GROUND EQUIPMENT	EA	\$ 3,000.00	\$ 2,000.00	\$ 1,500.00	\$ 4,400.00
0660-5-11	VEHICLE DETECTION SYSTEM- WIRELESS MAGNETOMETER, FURNISH & INSTALL, CABINET EQUIPMENT	EA	\$ 9,000.00	\$ 12,000.00	\$ 3,500.00	\$ 9,800.00
0660-5-12	VEHICLE DETECTION SYSTEM- WIRELESS MAGNETOMETER, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	\$ 7,000.00	\$ 12,000.00	\$ 10,000.00	\$ 6,100.00
0660-5-13	VEHICLE DETECTION SYSTEM- WIRELESS MAGNETOMETER, FURNISH & INSTALL, IN-ROAD ELECTRONICS	EA	\$ 8,500.00	\$ 15,000.00	\$ 2,500.00	\$ 8,500.00
0665- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	\$ 300.00	\$ 400.00	\$ 350.00	\$ 600.00
0665- 1- 12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	EA	\$ 4,200.00	\$ 3,000.00	\$ 1,500.00	\$ 3,400.00
0665- 1- 40	PEDESTRIAN DETECTOR, RELOCATE	EA	\$ 100.00	\$ 100.00	\$ 200.00	\$ 600.00
0665- 1- 60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	\$ 50.00	\$ 50.00	\$ 50.00	\$ 1,000.00
0670- 4-1	FLASHING BEACON CONTROLLER ASSEMBLY	AS	\$ 6,200.00	\$ 5,000.00	\$ 5,000.00	\$ 8,500.00
0670- 5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS.	\$ 29,000.00	\$ 40,000.00	\$ 40,000.00	\$ 54,000.00
0670- 5-111	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION	AS.	\$ 32,000.00	\$ 42,000.00	\$ 41,000.00	\$ 54,000.00
0670- 5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS.	\$ 5,300.00	\$ 5,000.00	\$ 5,000.00	\$ 14,000.00
0670- 5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS.	\$ 1,900.00	\$ 750.00	\$ 500.00	\$ 2,500.00

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672-1-3	INSTALL TRAFFIC CONTROLLER ASSEMBLY-(BUILD-UP CONTROLLER & COMPONENTS FURNISHED BY COUNTY. CONTRACTOR TO CONSTRUCT FOUNDATION, INSTALL AND WIRE CONTROLLER AND COMPONENTS FOR A COMPLETE INSTALLATION)	AS	\$ 6,500.00	\$ 15,000.00	\$ 4,500.00	\$ 20,000.00
672-1-4	MODIFICATION OF EXISTING TRAFFIC CONTROLLER ASSEMBLY TYPE 170 or 2070LX (COMPONENTS FURNISHED BY COUNTY. CONTRACTOR TO INSTALL, REMOVE OR RE-PLACE COMPONENTS AND/OR MODIFY PHASING AND/OR OTHER OPERATION)	AS	\$ 5,300.00	\$ 5,000.00	\$ 3,500.00	\$ 14,000.00
0676-110-110A	CONTROLLER CABINET-POLE MOUNTED	EA	\$ 2,000.00	\$ 5,000.00	\$ 8,000.00	\$ 14,000.00
0678-1-109	CONTROLLER ACCESSORIES, REPLACE EXISTING- FURNISH AND INSTAL, TYPE 3 TIME SWITCH	EA	\$ 1,600.00	\$ 2,500.00	\$ 3,000.00	\$ 9,500.00
0678-1-113C	SOLAR PAGER PROGRAMABLE TIME SWITCH	EA	\$ 1,500.00	\$ 5,000.00	\$ 2,500.00	\$ 9,500.00
0684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	\$ 4,000.00	\$ 8,000.00	\$ 5,000.00	\$ 8,500.00
0685-163	AUDIBLE-TACTIEL PEDESTRIAN SYSTEM (FURNISHED AND INSTALL)- INCLUDES ALL ELECTRONIC EQUIPMENT, MOUNTING HARDWARE, POWER SUPPLIES,PUSH BUTTONS,AND SIGN FACES WHICH ARE DESIGNED TO BOTH A RAISED VIBRATING TACTILE ARROW AONG WITH A VARIETY OF AUDIBLE SOUNDS FOR DIFFERENT TRAFFIC SIGNAL FUNCTIONS)(THE SYSTEM SHALL CONSIST OF A CONTROL UNIT AND PEDESTRIAN PUSHBUTTON UNIT AS DESCRIBED IN THE TECHNICAL SPECIAL PROVISIONS)	AS	\$ 15,000.00	\$ 3,500.00	\$ 15,000.00	\$ 11,000.00
0685-165	SOLAR ENGINE (INCLUDES ELECTRONICS,BATTERIES & SOLAR PANELS), DUAL LED SIGNAL INCLUDING, HOUSING AND MOUNTING HARDWARE	AS	No Bid	\$ 5,000.00	\$ 10,000.00	No Bid
690-10	REMOVE TRAFFIC SIGNAL HEAD ASSEMBLY	EA	\$ 280.00	\$ 250.00	\$ 400.00	\$ 80.00
690-20	REMOVE PEDESTRIAN SIGNAL HEAD ASSEMBLY	EA	\$ 100.00	\$ 250.00	\$ 150.00	\$ 80.00
690-31	REMOVE SIGNAL PEDESTAL	EA	\$ 480.00	\$ 250.00	\$ 500.00	\$ 80.00
690-32-2	POLE REMOVAL(SHALLOW)(BOLT ON ATTACHMENT)	EA	\$ 3,400.00	\$ 1,000.00	\$ 2,500.00	\$ 6,400.00
690-33-1	POLE REMOVAL (DEEP)(DIRECT BURIAL)	EA	\$ 1,800.00	\$ 1,000.00	\$ 5,000.00	\$ 8,000.00
690-40	REMOVE MAST ARM ASSEMBLY	EA	\$ 3,000.00	\$ 1,500.00	\$ 2,400.00	\$ 4,000.00
690-50	REMOVE CONTROLLER ASSEMBLY	EA	\$ 1,200.00	\$ 1,000.00	\$ 400.00	\$ 2,800.00
690-51	REMOVE CONTROLLER FOUNDATION-INCLUDES PROPER DISPOSAL, AND GRADING OF AREA IF REQUIERED	EA	\$ 920.00	\$ 1,000.00	\$ 750.00	\$ 10,000.00
690-100	REMOVE MISCELLANEOUS SIGNAL EQUIPMENT	PI	\$ 870.00	\$ 500.00	\$ 500.00	\$ 2,000.00
690-110	RELOCATE SIGNAL HEAD ASSEMBLY-(SINGLE OR MULTIPLE SECTION, SPAN WIRE OR MAST ARM MOUNTED)(PROVIDE NEW ASTRO BRACKET)	EA	\$ 720.00	\$ 350.00	\$ 1,000.00	\$ 2,000.00
690-200	PULL BOX REMOVAL	EA	\$ 200.00	\$ 100.00	\$ 500.00	\$ 800.00
690-70A	REMOVE PEDESTRIAN DETECTOR ASSEMBLY (INCLUDES PUSH BUTTON SIGN)	EA	\$ 80.00	\$ 100.00	\$ 50.00	\$ 100.00
699-1-1A	INTERNALLY ILLUNINATED STREET SIGN NAME (LED), (INCLUDING MOUNTY BRACKET)	AS	\$ 3,500.00	\$ 3,500.00	\$ 3,800.00	\$ 4,250.00
0700-5-22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	\$ 3,500.00	\$ 4,000.00	\$ 3,800.00	\$ 8,200.00
0700- 5- 50	INTERNALLY ILLUMINATED SIGN, RELOCATE	EA	\$ 1,000.00	\$ 1,500.00	\$ 1,500.00	\$ 2,000.00
0700- 5- 60	INTERNALLY ILLUMINATED SIGN, REMOVE	EA	\$ 300.00	\$ 500.00	\$ 400.00	\$ 800.00
0700- 11-391	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT- AC POWERED, BLANK OUT SIGN, UP TO 12 SF	AS.	\$ 8,000.00	\$ 10,000.00	\$ 10,000.00	\$ 26,000.00

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0700- 12- 12	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, TWO BEACONS	AS.	\$ 7,000.00	\$ 8,000.00	\$ 12,000.00	\$ 11,000.00
0700- 12- 32	SIGN BEACON, F&I OVERHEAD MOUNT, TWO BEACONS	AS.	\$ 10,000.00	\$ 6,000.00	\$ 10,000.00	\$ 11,000.00
0705- 10- 1	OBJECT MARKER, TYPE 1	EA	\$ 2,500.00	\$ 500.00	\$ 400.00	\$ 370.00
0706- 3-	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	\$ 8.00	\$ 10.00	\$ 6.00	\$ 370.00
0706-1-12	RETRO-REFLECTIVE PAVEMENT MARKERS (CLASS B, MONO OR BI-DIRECTIONAL, ALL COLORS)	EA	\$ 10.00	\$ 10.00	\$ 6.00	\$ 14.00
0706-47	RELOCATE SIGN (SINGLE POST, INCLUDES BASE POST AND FOOTING)	AS	\$ 1,000.00	\$ 600.00	\$ 700.00	\$ 1,600.00
0711- 11-121	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	LF	\$ 2.00	\$ 4.00	\$ 1.50	\$ 8.00
0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	\$ 3.50	\$ 4.50	\$ 3.00	\$ 14.00
0711- 11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	LF	\$ 4.50	\$ 5.00	\$ 4.50	\$ 28.00
0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	\$ 5.00	\$ 6.00	\$ 6.00	\$ 36.00
0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	\$ 5,000.00	\$ 6,000.00	\$ 2,335.00	\$ 990.00
0711- 11-151	THERMOPLASTIC WHITE DOTTED/GUIDELINE (6")	LF	\$ 3.00	\$ 2.50	\$ 1.50	\$ 8.00
0711- 11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE	EA	\$ 250.00	\$ 200.00	\$ 315.00	\$ 900.00
0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	\$ 200.00	\$ 200.00	\$ 165.00	\$ 490.00
0711-11-221	THERMOPLASTIC, YELLOW, SOLID, (6")	LF	\$ 3.00	\$ 4.00	\$ 1.50	\$ 8.00
0711- 11-232	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL, GROUND MOUNT-SOLAR POWERED, ELECTRONIC SPEED FEEDBACK SIGN, 12-20 SF	AS	\$ 15,000.00	\$ 20,000.00	\$ 15,000.00	\$ 24,000.00
0711- 11-241	THERMOPLASTIC, YELLOW, SKIP, (6")	LF	\$ 8.00	\$ 3.00	\$ 1.50	\$ 8.00
0711- 11-251	THERMOPLASTIC, YELLOW, DOTTED/GUIDELINE, (6")	LF	\$ 8.00	\$ 2.50	\$ 1.50	\$ 8.00
0711- 14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	\$ 850.00	\$ 600.00	\$ 675.00	\$ 900.00
0711- 14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	\$ 600.00	\$ 600.00	\$ 675.00	\$ 490.00
0711- 15-101	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"	GM	\$ 8,000.00	\$ 10,000.00	\$ 66,667.00	\$ 8,000.00
0711- 15-131	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	\$ 5,000.00	\$ 6,000.00	\$ 2,775.00	\$ 8,000.00
0711- 15-201	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	\$ 8,500.00	\$ 10,000.00	\$ 6,667.00	\$ 8,000.00
0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	\$ 6,000.00	\$ 6,500.00	\$ 6,667.00	\$ 8,000.00
0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	\$ 6,000.00	\$ 6,500.00	\$ 6,667.00	\$ 8,000.00
0711- 17-	REMOVAL OF EXISTING THERMOPLASTIC PAVEMENT MARKINGS	SF	\$ 8.00	\$ 10.00	\$ 3.75	\$ 8.00
0700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS.	\$ 800.00	\$ 650.00	\$ 700.00	\$ 1,200.00
0700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS.	\$ 1,300.00	\$ 1,500.00	\$ 1,500.00	\$ 1,600.00
0700-20-40	SINGLE POST SIGN, RELOCATE	AS.	\$ 600.00	\$ 450.00	\$ 500.00	\$ 400.00
0700-1-60	SINGLE POST SIGN, REMOVE	AS.	\$ 100.00	\$ 100.00	\$ 150.00	\$ 80.00
0700-2-15	MULTI- POST SIGN, F&I GROUND MOUNT, 51-100 SF	AS.	\$ 7,100.00	\$ 10,000.00	\$ 12,000.00	\$ 14,400.00
700-20-11	SINGLE POST SIGN, F&I , UP TO 12 SF	AS	\$ 8.00	\$ 650.00	\$ 700.00	\$ 800.00
0700-3-101	SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF	EA	\$ 500.00	\$ 500.00	\$ 500.00	\$ 800.00
0700-3-102	SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, 12-20 SF	EA	\$ 800.00	\$ 1,200.00	\$ 900.00	\$ 800.00
0700-3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,600.00
0700-3-204	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 31-50 SF	EA	\$ 2,300.00	\$ 3,500.00	\$ 7,500.00	\$ 4,000.00
0700-3-205	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 51-100 SF	EA	\$ 3,800.00	\$ 5,000.00	\$ 9,500.00	\$ 6,800.00
0700-3-206	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 101-200 SF	EA	\$ 5,800.00	\$ 7,500.00	\$ 11,000.00	\$ 8,500.00
0700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA	\$ 300.00	\$ 500.00	\$ 400.00	\$ 320.00
0700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA	\$ 120.00	\$ 150.00	\$ 50.00	\$ 300.00

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0700-3-602	SIGN PANEL, REMOVE, 12-20 SF	EA	\$ 190.00	\$ 150.00	\$ 100.00	\$ 300.00
0700-3-605	SIGN PANEL, REMOVE, 51-100 SF	EA	\$ 500.00	\$ 650.00	\$ 500.00	\$ 2,000.00
0700-3-606	SIGN PANEL, REMOVE, 101-200 SF	EA	\$ 700.00	\$ 2,000.00	\$ 1,200.00	\$ 2,000.00
0700-40-02	ROADSIDE SIGNS(DOUBLE POST)(12 THRU 25 SF)	AS	\$ 4,500.00	\$ 2,500.00	\$ 3,500.00	\$ 3,500.00
0700-46-01	REMOVAL OF SIGN AND POST	AS	\$ 200.00	\$ 250.00	\$ 175.00	\$ 600.00
0700-48-18	SIGN PANEL LESS THAN 15 SF	AS	\$ 480.00	\$ 1,200.00	\$ 500.00	\$ 600.00
0700-48-28B	SIGN PANEL INSTALLATION, (MAST ARM, OR SPAN WIRE MOUNT. COUNTY FURNISH SIGN ONLY. CONTRACTOR FURNISHES ACCESSORIES, STRAPS,CABLES, BRACKETS, CONNECTORS, ETC.)	EA	\$ 480.00	\$ 900.00	\$ 750.00	\$ 1,000.00
700-48-60B	REMOVAL OF SIGN PANEL	EA	\$ 150.00	\$ 100.00	\$ 200.00	\$ 160.00
	BLINKER SIGN, FLASHING LEG SIGN	EA	\$ 3,850.00	\$ 10,000.00	\$ 7,500.00	\$ 2,500.00
0700-5-21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	\$ 3,500.00	\$ 3,500.00	\$ 3,800.00	\$ 4,250.00

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Group 2-Time and Material Costs for Additional Goods or Services not Specified														
Item	Hourly Rate	Estimated Annual Service Hours	AGC Electric Inc.			AUM Construction Inc.			Horsepower Electric, Inc.			R & D Electric, Inc.		
			U/M	Unit Cost	Total Annual Service	Unit Cost	Total Annual Service (Hours_X_Unit Cost)	Unit Cost	Total Annual Service (Hours_X_Unit Cost)	Unit Cost	Total Annual Service (Hours_X_Unit Cost)			
1	Hourly Rate - Regular	50	Hourly Rate	\$45.00	\$ 2,250.00	\$ 100.00	\$ 5,000.00	\$ 400.00	\$ 20,000.00	\$ 300.00	\$ 15,000.00			
2	Hourly Rate - Non Regular	20	Hourly Rate	\$65.00	\$ 1,300.00	\$ 150.00	\$ 3,000.00	\$ 500.00	\$ 10,000.00	\$ 400.00	\$ 8,000.00			
3	Supplies & Materials	15	Hourly Rate	\$90.00	\$ 1,350.00	\$ 200.00	\$ 3,000.00	\$ 600.00	\$ 9,000.00	\$ 450.00	\$ 6,750.00			
		(A) Estimated Annual Cost	(B) % Mark-up	(C) Cost of % Mark-up (A x B = C)	(D) Net Annual Cost (A + C = D)	(B) % Mark- up	(C) Cost of % Mark-up (A x B = C)	(D) Net Annual Cost (A + C = D)	(B) % Mark- up	(C) Cost of % Mark-up (A x B = C)	(D) Net Annual Cost (A + C = D)	(B) % Mark- up	(C) Cost of % Mark-up (A x B = C)	(D) Net Annual Cost (A + C = D)
4	Cost of Materials	\$25,000	12%	\$3,000	\$28,000.00	20%	\$5,000.00	\$30,000.00	20%	\$5,000.00	\$30,000.00	10%	\$2,500.00	\$27,500.00
				GRAND TOTAL	\$32,900.00		GRAND TOTAL	\$41,000.00		GRAND TOTAL	\$69,000.00		GRAND TOTAL	\$57,250.00