

Fort Bend County Tabulation
Bid 23-041
Term Contract for Traffic Signal Supplies and Services

Term: through September 30, 2024

Recommendation: Econolite Systems, Inc. as Primary, Creacom Inc. as Secondary

Company	Bid Price
Econolite Systems, Inc. Houston	\$3,588,742.52
Creacom Inc. Tomball	\$4,407,237.13
Southwest Signal Supply, Inc. South Houston	\$4,464,186.10
Traf-Tex, Inc. Houston	\$4,500,266.70

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Section Title	Item Number	Specification	Description	Unit	Quantity	Econolite Systems, Inc. Houston PRIMARY		Creacom Inc. Tomball SECONDARY		Southwest Signal Supply, Inc. South Houston		Traf-Tex, Inc. Houston	
						UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
ANNUAL PREVENTATIVE MAINTENANCE	1	1000, SS 9009	TRAFFIC CONTROL SIGNALS OF VARIOUS TYPES INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS IN ACCORDANCE WITH SPECIFICATION	EA	100	997.41	\$ 99,741.00	305.49	\$ 30,549.00	839.00	\$ 83,900.00	1,014.00	\$ 101,400.00
ANNUAL PREVENTATIVE MAINTENANCE	2	1000, SS 9009	TRAFFIC CONTROL BEACONS OF VARIOUS TYPES INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS IN ACCORDANCE WITH SPECIFICATION	EA	400	177.84	\$ 71,136.00	264.68	\$ 105,872.00	267.00	\$ 106,800.00	757.00	\$ 302,800.00
ANNUAL PREVENTATIVE MAINTENANCE	3	SS 9009	DYNAMIC MESSAGE SIGNS OF VARIOUS TYPES INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS IN ACCORDANCE WITH SPECIFICATION	EA	20	Item Removed							
ANNUAL PREVENTATIVE MAINTENANCE	4	SS 9009	SAFETY LIGHTING OF VARIOUS TYPES INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS IN ACCORDANCE WITH SPECIFICATION	EA	30	177.84	\$ 5,335.20	266.66	\$ 7,999.80	267.00	\$ 8,010.00	400.00	\$ 12,000.00
LABOR & EQUIPMENT	5	SS 9009	TRAFFIC SIGNAL TECHNICIAN MONDAY THRU FRIDAY (08:00AM TO 5:00PM)	HR	4,250	78.59	\$ 334,007.50	72.93	\$ 309,952.50	111.05	\$ 471,962.50	88.10	\$ 374,425.00
LABOR & EQUIPMENT	6	SS 9009	TRAFFIC SIGNAL TECHNICIAN MONDAY THRU FRIDAY (5:00PM TO 08:00AM)	HR	650	103.48	\$ 67,262.00	97.48	\$ 63,362.00	166.58	\$ 108,277.00	108.40	\$ 70,460.00
LABOR & EQUIPMENT	7	SS 9009	TRAFFIC SIGNAL TECHNICIAN SATURDAYS, SUNDAYS AND COUNTY HOLIDAYS (ALL DAY)	HR	450	103.43	\$ 46,543.50	122.02	\$ 54,909.00	166.58	\$ 74,961.00	108.40	\$ 48,780.00
LABOR & EQUIPMENT	8	SS 9009	TRAFFIC SIGNAL HELPER MONDAY THRU FRIDAY (08:00AM TO 5:00PM)	HR	4,250	58.12	\$ 247,010.00	57.15	\$ 242,887.50	63.95	\$ 271,787.50	64.35	\$ 273,487.50
LABOR & EQUIPMENT	9	SS 9009	TRAFFIC SIGNAL HELPER MONDAY THRU FRIDAY (5:00PM TO 08:00AM)	HR	200	82.40	\$ 16,480.00	73.81	\$ 14,762.00	95.93	\$ 19,186.00	84.70	\$ 16,940.00
LABOR & EQUIPMENT	10	SS 9009	TRAFFIC SIGNAL HELPER SATURDAYS, SUNDAYS AND COUNTY HOLIDAYS (ALL DAY)	HR	150	82.40	\$ 12,360.00	90.46	\$ 13,569.00	95.93	\$ 14,389.50	84.70	\$ 12,705.00
LABOR & EQUIPMENT	11	SS 9009	UTILITY TRUCK - 40' MINIMUM WORKING REACH	HR	10,000	32.33	\$ 323,300.00	64.71	\$ 647,100.00	0.25	\$ 2,500.00	39.00	\$ 390,000.00
LABOR & EQUIPMENT	12	SS 9009	DIGGER DERRICK (STANDARD DISTRIBUTION MODEL)	HR	100	45.72	\$ 4,572.00	77.66	\$ 7,766.00	40.00	\$ 4,000.00	76.00	\$ 7,600.00
LABOR & EQUIPMENT	13	SS 9009	POLE TRAILER - 40' LOAD CAPACITY	HR	50	11.43	\$ 571.50	23.33	\$ 1,166.50	50.00	\$ 2,500.00	22.00	\$ 1,100.00
LABOR & EQUIPMENT	14	SS 9009	BACKHOE/LOADER	HR	100	36.58	\$ 3,658.00	69.65	\$ 6,965.00	29.00	\$ 2,900.00	59.30	\$ 5,930.00
LABOR & EQUIPMENT	15	SS 9009	AIR COMPRESSOR	HR	25	22.86	\$ 571.50	19.60	\$ 490.00	29.00	\$ 725.00	59.30	\$ 1,482.50
LABOR & EQUIPMENT	16	SS 9009	GENERATOR - 5.5 KW	HR	25	22.86	\$ 571.50	4.75	\$ 118.75	25.00	\$ 625.00	42.35	\$ 1,058.75
TRAFFIC DEVICE REPAIR SERVICES	17	1000, SS 9009 Standard Detail LDI TxDOT DMS-6340	FURNISH AND INSTALL IN CONCRETE PAVEMENT, SAW-CUT LOOP DETECTOR COMPLETE AND IN PLACE, INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS, IN ACCORDANCE WITH SPECIFICATIONS AND STANDARD DETAILS., SEALANT SHALL MEET TxDOT DMS-6340 TYPE I, GREY COLOR.	LF	20	1.01	\$ 20.20	31.71	\$ 634.20	19.75	\$ 395.00	16.20	\$ 324.00
TRAFFIC DEVICE REPAIR SERVICES	18	1000, SS 9009 Standard Detail LDI TxDOT DMS-6340	FURNISH AND INSTALL IN ASPHALT PAVEMENT, SAW-CUT LOOP DETECTOR COMPLETE AND IN PLACE, INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS, IN ACCORDANCE WITH SPECIFICATIONS AND STANDARD DETAILS. SEALANT SHALL MEET TxDOT DMS-6340 TYPE IV.	LF	10	1.01	\$ 10.10	31.71	\$ 317.10	19.00	\$ 190.00	14.20	\$ 142.00
TRAFFIC DEVICE REPAIR SERVICES	19	1000, SS 9009 Standard Detail CPGT	FURNISH AND INSTALL TYPE D POLYMER CONCRETE PULL BOX AND LID COMPLETE AND IN PLACE WITH APRON, INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS, IN ACCORDANCE WITH SPECIFICATIONS AND STANDARD DETAILS	EA	35	1,668.54	\$ 58,398.90	1,182.12	\$ 41,374.20	1,875.00	\$ 65,625.00	1,028.00	\$ 35,980.00

Section Title	Item Number	Specification	Description	Unit	Quantity	Econolite Systems, Inc. Houston PRIMARY		Creacom Inc. Tomball SECONDARY		Southwest Signal Supply, Inc. South Houston		Traf-Tex, Inc. Houston	
						UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
TRAFFIC DEVICE REPAIR SERVICES	20	1000, SS 9009 Standard Detail CPGT	FURNISH AND INSTALL TYPE D POLYMER CONCRETE PULL BOX AND LID COMPLETE AND IN PLACE WITHOUT APRON, INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS, IN ACCORDANCE WITH SPECIFICATIONS AND STANDARD DETAILS	EA	17	1,252.95	\$ 21,300.15	908.02	\$ 15,436.34	1,735.00	\$ 29,495.00	942.50	\$ 16,022.50
TRAFFIC DEVICE REPAIR SERVICES	21	1000, SS 9009 Standard Detail CPGT	FURNISH AND INSTALL POLYMER CONCRETE GROUND BOX AND LID COMPLETE AND IN PLACE WITH APRON, INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS, IN ACCORDANCE WITH SPECIFICATIONS AND STANDARD DETAILS	EA	8	2,160.41	\$ 17,283.28	5,684.13	\$ 45,473.04	3,250.00	\$ 26,000.00	1,864.00	\$ 14,912.00
TRAFFIC DEVICE REPAIR SERVICES	22	1000, SS 9009 Standard Detail CPGT	FURNISH AND INSTALL POLYMER CONCRETE GROUND BOX AND LID COMPLETE AND IN PLACE WITHOUT APRON, INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS, IN ACCORDANCE WITH SPECIFICATIONS AND STANDARD DETAILS	EA	4	1,460.14	\$ 5,840.56	4,930.26	\$ 19,721.04	2,900.00	\$ 11,600.00	1,502.00	\$ 6,008.00
TRAFFIC DEVICE REPAIR SERVICES	23	687, 688, SS 6006, SS 9009, Standard Detail SPFA	FURNISH AND INSTALL SPEED LIMIT SIGN BEACON ASSEMBLY COMPLETE AND IN PLACE, INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS, IN ACCORDANCE WITH SPECIFICATIONS AND STANDARD DETAILS	EA	40	1,173.40	\$ 46,936.00	5,616.96	\$ 224,678.40	8,555.00	\$ 342,200.00	5,899.00	\$ 235,960.00
TRAFFIC DEVICE REPAIR SERVICES	24	687, 688, SS 6006, SS 9009, Standard Detail SPFA	FURNISH AND INSTALL WARNING BEACON ASSEMBLY COMPLETE AND IN PLACE, INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS, IN ACCORDANCE WITH SPECIFICATIONS AND STANDARD DETAILS	EA	5	7,069.84	\$ 35,349.20	5,749.33	\$ 28,746.65	9,016.70	\$ 45,083.50	5,866.00	\$ 29,330.00
TRAFFIC DEVICE REPAIR SERVICES	25	683, SS 9009, Strandard Detail PS&P	FURNISH AND INSTALL PEDESTRIAN SIGNAL POLE ASSEMBLY COMPLETE AND IN PLACE, INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS (AS REQUIRED), IN ACCORDANCE WITH SPECIFICATIONS AND STANDARD DETAILS	EA	40	1,403.16	\$ 56,126.40	2,720.36	\$ 108,814.40	4,052.00	\$ 162,080.00	3,225.00	\$ 129,000.00
TRAFFIC DEVICE REPAIR SERVICES	26	1000, SS 9009 Standard Details: ED TP, ED-SE, ED- SFSP	FURNISH AND INSTALL TYPE D 120/240 100 (NS) SS (E) SP (O) ELECTRICAL SERVICE ASSEMBLY COMPLETE AND IN PLACE, INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS, IN ACCORDANCE WITH STANDARD DETAILS	EA	5	6,816.80	\$ 34,084.00	7,509.96	\$ 37,549.80	7,892.60	\$ 39,463.00	7,231.00	\$ 36,155.00
TRAFFIC DEVICE REPAIR SERVICES	27	1000, SS 9009 Standard Details: ED TP, ED-SE, ED- SFSP	FURNISH AND INSTALL TYPE D 120/240 100 (NS) SS (E) SP (U) ELECTRICAL SERVICE ASSEMBLY COMPLETE AND IN PLACE, INCLUSIVE OF ALL LABOR, EQUIPMENT AND MATERIALS, IN ACCORDANCE WITH STANDARD DETAILS	EA	5	4,713.76	\$ 23,568.80	6,200.79	\$ 31,003.95	6,871.90	\$ 34,359.50	8,471.00	\$ 42,355.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	28	686, SP 686, DMS- 11011, SS 9009	FURNISH LED COBRAHEAD LUMINAIRE FIXTURE - 120 VAC, 400W HPS EQUIVALENT	EA	10	281.54	\$ 2,815.40	428.41	\$ 4,284.10	400.00	\$ 4,000.00	522.00	\$ 5,220.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	29	689, SP 689, 690, SS 9009	FURNISH TRAFFIC SIGNAL HEAD - ONE SECTION ASSEMBLY WITH VISOR (LESS HARDWARE AND LED MODULE)	EA	100	60.56	\$ 6,056.00	88.01	\$ 8,801.00	67.25	\$ 6,725.00	106.55	\$ 10,655.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	30	689, SP 689, 690, SS 9009	FURNISH TRAFFIC SIGNAL HEAD - THREE SECTION ASSEMBLY WITH VISOR and REFLECTIVE BACK PLATES (LESS HARDWARE AND LED MODULE)	EA	200	246.48	\$ 49,296.00	375.34	\$ 75,068.00	273.25	\$ 54,650.00	346.60	\$ 69,320.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	31	689, SP 689, 690, SS 9009	FURNISH TRAFFIC SIGNAL HEAD - FOUR SECTION ASSEMBLY WITH VISOR and REFLECTIVE BACK PLATES(LESS HARDWARE AND LED MODULE)	EA	100	359.09	\$ 35,909.00	530.66	\$ 53,066.00	398.00	\$ 39,800.00	507.55	\$ 50,755.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	32	689, SP 689, 690, SS 9009	FURNISH TRAFFIC SIGNAL HEAD - FIVE SECTION ASSEMBLY WITH VISOR and REFLECTIVE BACK PLATES(LESS HARDWARE AND LED MODULE)	EA	20	436.80	\$ 8,736.00	660.08	\$ 13,201.60	500.00	\$ 10,000.00	610.40	\$ 12,208.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	33	689, SP 689, 690, SS 9009	FURNISH TWELVE INCH TUNNEL VISOR FOR TRAFFIC SIGNAL HEAD	EA	600	10.62	\$ 6,372.00	19.41	\$ 11,646.00	14.95	\$ 8,970.00	18.20	\$ 10,920.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	34	692, 699, SP699, SS 9009	FURNISH PEDESTRIAN SIGNAL HOUSING	EA	100	152.99	\$ 15,299.00	110.01	\$ 11,001.00	201.00	\$ 20,100.00	203.65	\$ 20,365.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	35	689, SP 689, 690, SS 9009	FURNISH THREE SECTION VEHICULAR SIGNAL HOUSING WITH VISORS AND (associated mounting hardware type) - MAST ARM MOUNT and REFLECTIVE BACK PLATES PER COUNTY SPEC	EA	200	622.96	\$ 124,592.00	621.26	\$ 124,252.00	705.50	\$ 141,100.00	573.00	\$ 114,600.00

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						UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
SIGNAL HEADS, HARDWARE AND LAMP UNITS	36	689, SP 689, 690, SS 9009	FURNISH FOUR SECTION VEHICULAR SIGNAL HOUSING WITH VISORS AND (associated mounting hardware type) - MAST ARM MOUNT and REFLECTIVE BACK PLATES PER COUNTY SPEC	EA	100	817.44	\$ 81,744.00	737.74	\$ 73,774.00	925.75	\$ 92,575.00	680.35	\$ 68,035.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	37	689, SP 689, 690, SS 9009	FURNISH FIVE SECTION VEHICULAR SIGNAL HOUSING WITH VISORS AND (associated mounting hardware type) - MAST ARM MOUNT and REFLECTIVE BACK PLATES PER COUNTY SPEC	EA	20	1,000.79	\$ 20,015.80	856.82	\$ 17,136.40	1,110.00	\$ 22,200.00	791.50	\$ 15,830.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	38	689, SP 689, 690, SS 9009	FURNISH THREE SECTION VEHICULAR SIGNAL HOUSING WITH VISORS AND (associated mounting hardware type) - SPAN WIRE MOUNT and REFLECTIVE BACK PLATES PER COUNTY SPEC	EA	200	561.56	\$ 112,312.00	595.37	\$ 119,074.00	649.00	\$ 129,800.00	549.25	\$ 109,850.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	39	689, SP 689, 690, SS 9009	FURNISH FOUR SECTION VEHICULAR SIGNAL HOUSING WITH VISORS AND (associated mounting hardware type) - SPAN WIRE MOUNT and REFLECTIVE BACK PLATES PER COUNTY SPEC	EA	100	750.11	\$ 75,011.00	718.33	\$ 71,833.00	867.00	\$ 86,700.00	662.50	\$ 66,250.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	40	689, SP 689, 690, SS 9009	FURNISH FIVE SECTION VEHICULAR SIGNAL HOUSING WITH VISORS AND (associated mounting hardware type) - SPAN WIRE MOUNT and REFLECTIVE BACK PLATES PER COUNTY SPEC	EA	20	898.32	\$ 17,966.40	856.82	\$ 17,136.40	1,027.00	\$ 20,540.00	748.60	\$ 14,972.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	41	689, SP 689, 690, SS 9009	FURNISH SIGNAL HEAD HARDWARE ASSEMBLY - SIDE POLE MOUNT	EA	10	100.93	\$ 1,009.30	128.13	\$ 1,281.30	112.00	\$ 1,120.00	123.10	\$ 1,231.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	42	692, 699, SP699, SS 9009	FURNISH PEDESTRIAN SIGNAL HEAD HARDWARE ASSEMBLY - SIDE POLE MOUNT	EA	100	69.06	\$ 6,906.00	135.90	\$ 13,590.00	73.00	\$ 7,300.00	145.00	\$ 14,500.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	43	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - RED BALL, 120 VAC	EA	50	28.37	\$ 1,418.50	44.01	\$ 2,200.50	73.00	\$ 3,650.00	41.55	\$ 2,077.50
SIGNAL HEADS, HARDWARE AND LAMP UNITS	44	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - YELLOW BALL, 120 VAC	EA	25	456.84	\$ 11,421.00	44.01	\$ 1,100.25	73.00	\$ 1,825.00	42.55	\$ 1,063.75
SIGNAL HEADS, HARDWARE AND LAMP UNITS	45	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - GREEN BALL, 120 VAC	EA	25	32.25	\$ 806.25	44.01	\$ 1,100.25	73.00	\$ 1,825.00	42.55	\$ 1,063.75
SIGNAL HEADS, HARDWARE AND LAMP UNITS	46	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - RED ARROW, 120 VAC	EA	50	35.25	\$ 1,762.50	44.01	\$ 2,200.50	73.00	\$ 3,650.00	41.55	\$ 2,077.50
SIGNAL HEADS, HARDWARE AND LAMP UNITS	47	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - YELLOW ARROW, 120 VAC	EA	25	35.06	\$ 876.50	44.01	\$ 1,100.25	73.00	\$ 1,825.00	42.55	\$ 1,063.75
SIGNAL HEADS, HARDWARE AND LAMP UNITS	48	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - GREEN ARROW, 120 VAC	EA	25	54.18	\$ 1,354.50	44.01	\$ 1,100.25	73.00	\$ 1,825.00	42.55	\$ 1,063.75
SIGNAL HEADS, HARDWARE AND LAMP UNITS	49	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - RED U-TURN, 120 VAC	EA	5	82.87	\$ 414.35	68.60	\$ 343.00	100.00	\$ 500.00	73.40	\$ 367.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	50	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - YELLOW U-TURN, 120 VAC	EA	5	82.87	\$ 414.35	68.60	\$ 343.00	100.00	\$ 500.00	73.40	\$ 367.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	51	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - GREEN U-TURN, 120 VAC	EA	5	82.87	\$ 414.35	68.60	\$ 343.00	100.00	\$ 500.00	73.40	\$ 367.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	52	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - RED BIKE SYMBOL, 120 VAC	EA	10	82.87	\$ 828.70	68.60	\$ 686.00	100.00	\$ 1,000.00	68.30	\$ 683.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	53	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - YELLOW BIKE SYMBOL, 120 VAC	EA	10	82.87	\$ 828.70	68.60	\$ 686.00	100.00	\$ 1,000.00	68.30	\$ 683.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	54	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - GREEN BIKE SYMBOL, 120 VAC	EA	10	82.87	\$ 828.70	68.60	\$ 686.00	100.00	\$ 1,000.00	68.30	\$ 683.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	55	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - RED BALL, 48 VDC	EA	50	1.00	\$ 50.00	88.01	\$ 4,400.50	73.00	\$ 3,650.00	64.20	\$ 3,210.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	56	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - YELLOW BALL, 48 VDC	EA	25	1.00	\$ 25.00	88.01	\$ 2,200.25	73.00	\$ 1,825.00	85.50	\$ 2,137.50
SIGNAL HEADS, HARDWARE AND LAMP UNITS	57	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - GREEN BALL, 48 VDC	EA	25	1.00	\$ 25.00	97.07	\$ 2,426.75	73.00	\$ 1,825.00	84.00	\$ 2,100.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	58	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - RED ARROW, 48 VDC	EA	50	1.00	\$ 50.00	97.07	\$ 4,853.50	73.00	\$ 3,650.00	90.30	\$ 4,515.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	59	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - YELLOW ARROW, 48 VDC	EA	25	1.00	\$ 25.00	97.07	\$ 2,426.75	73.00	\$ 1,825.00	91.45	\$ 2,286.25
SIGNAL HEADS, HARDWARE AND LAMP UNITS	60	689, SP 689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - GREEN ARROW, 48 VDC	EA	25	1.00	\$ 25.00	97.07	\$ 2,426.75	73.00	\$ 1,825.00	91.45	\$ 2,286.25

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SIGNAL HEADS, HARDWARE AND LAMP UNITS	61	689, SS 9009	FURNISH LED TRAFFIC SIGNAL LAMP UNIT - YELLOW BALL, 12 VDC, 5 WATT	EA	250	67.50	\$ 16,875.00	84.13	\$ 21,032.50	88.75	\$ 22,187.50	84.00	\$ 21,000.00
SIGNAL HEADS, HARDWARE AND LAMP UNITS	62	699, SP 699, SS 9009	FURNISH LED PEDESTRIAN TRAFFIC SIGNAL (COUNTDOWN) LAMP UNIT	EA	50	129.65	\$ 6,482.50	160.49	\$ 8,024.50	195.00	\$ 9,750.00	168.00	\$ 8,400.00
BATTERIES	63	688, SS 9009	FURNISH BATTERY FOR SOLAR FLASHER ASSEMBLY	EA	250	276.23	\$ 69,057.50	362.40	\$ 90,600.00	329.75	\$ 82,437.50	354.00	\$ 88,500.00
BATTERIES	64	SS 9009	FURNISH BATTERY FOR BATTERY BACKUP UNIT (AlphaCell 3.5 & 4.0HP Pure Lead Top Terminal Batteries or Department Approved Equal)	EA	600	303.90	\$ 182,340.00	414.17	\$ 248,502.00	376.90	\$ 226,140.00	402.00	\$ 241,200.00
BATTERIES	65	SS 9009	FURNISH 12V INTERNAL SCHOOL ZONE CLOCK - BATTERY (INSERT SPECIFIC BATTERY SPEC)	EA	250	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	66	SS 9009	FURNISH NEMA TS2 16 CHANNEL CABINET (Henke PT P44168TS2-1-MC ATC RACK MOUNT TRAFFIC-CONTROLLER UNIT WITH "EOS" LOCAL SOFTWARE-INSTALLED	EA	5	34,410.93	\$ 172,054.65	46,089.33	\$ 230,446.65	40,524.00	\$ 202,620.00	42,450.00	\$ 212,250.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	67	2070, SS 9009	FURNISH TYPE 2070-1C CPU MODULE	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	68	2070, SS 9009	FURNISH TYPE 2070-2B FIELD I/O MODULE	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	69	2070, SS 9009	FURNISH TYPE 2070-3 FRONT PANEL ASSEMBLY	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	70	2070, SS 9009	FURNISH TYPE 2070-4A POWER SUPPLY	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	71	SS 9009	FURNISH GROUND MOUNT ITS CONTROLLER CABINET ASSEMBLY (HC)(HOUSING 3) WITH SIDE MOUNTED BATTERY BACKUP SYSTEM (BBS)	EA	5	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	72	ATC 5301 v02, SS 9009	FURNISH GROUND MOUNT ATC CONTROLLER CABINET ASSEMBLY (CALTRANS 340 CABINET) WITH INTERNAL BATTERY BACKUP SYSTEM (BBS). INCLUDES 2 INPUT FILES WITH 4 SIU's, 16 4 CHANNEL VEHICLE DETECTOR CARDS, 2 4 CHANNEL DC ISOLATOR CARDS, AND 32 CHANNEL OUTPUT CAPABLE, INCLUSIVE OF ALL PLUGGABLE MODULES.	EA	5	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	73	SS 9009	FURNISH MODEL 16EP-24 RACK MOUNT POWER SUPPLY	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	74	SS 9009	FURNISH CMU AUXILIARY DISPLAY UNIT (ADU)	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	75	SS 9009	FURNISH CMUIP-212 CABINET MONITOR UNIT	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	76	SS 9009	FURNISH ALPHA FXM-2000 OR APPROVED EQUAL	EA	1	6,703.81	\$ 6,703.81	8,794.63	\$ 8,794.63	7,732.70	\$ 7,732.70	7,745.00	\$ 7,745.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	77	SS 9009	FURNISH ALPHA SWITCHING UNIT OR APPROVED EQUAL	EA	1	749.00	\$ 749.00	983.66	\$ 983.66	895.00	\$ 895.00	958.00	\$ 958.00

Section Title	Item Number	Specification	Description	Unit	Quantity	Econolite Systems, Inc. Houston PRIMARY		Creacom Inc. Tomball SECONDARY		Southwest Signal Supply, Inc. South Houston		Traf-Tex, Inc. Houston	
						UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	78	SS 9009	FURNISH REMOTE BATTERY MANAGEMENT SYSTEM	EA	1	807.43	\$ 807.43	1,061.31	\$ 1,061.31	965.80	\$ 965.80	1,029.00	\$ 1,029.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	79	SS 9009	FURNISH MMU-16LE CABINET MONITOR UNIT	EA	1	780.87	\$ 780.87	1,656.68	\$ 1,656.68	995.25	\$ 995.25	1,279.00	\$ 1,279.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	80	SS 9009	FURNISH 2018KClip CABINET MONITOR UNIT	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	81	SS 9009	FURNISH AMU-214-AUXILIARY MONITOR UNIT	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	82	SS 9009	FURNISH SIU-218 SERIAL INTERFACE UNIT (SIU)	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	83	ATC-5301-v02, SS-9009	FURNISH CMUIP-2212HV CABINET MONITOR UNIT	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	84	ATC-5301-v02, SS-9009	FURNISH CMUIP-2212LV CABINET MONITOR UNIT	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	85	ATC-5301-v02, SS-9009	FURNISH ATCC-2-CHANNEL HDSP-1HV	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	86	ATC-5301-v02, SS-9009	FURNISH ATCC-2-CHANNEL HDSP-1LV	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	87	ATC-5301-v02, SS-9009	FURNISH ATCC-4-CHANNEL DETECTOR CARDS	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	88	ATC-5301-v02, SS-9009	FURNISH ATCC-SIU	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	89	ATC-5301-v02, SS-9009	FURNISH ATCC-DC-4-CHANNEL ISOLATOR	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	90	ATC-5301-v02, SS-9009	FURNISH ATCC-FTR	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	91	ATC-5301-v02, SS-9009	FURNISH ATCC-DC-POWER SUPPLY	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	92	SS 9009	FURNISH SMARTMICRO TYPE 42 SYSTEM (INCLUSIVE OF ALL MATERIALS) or approved equal	EA	1	Item Removed							

Section Title	Item Number	Specification	Description	Unit	Quantity	Econolite Systems, Inc. Houston PRIMARY		Creacom Inc. Tomball SECONDARY		Southwest Signal Supply, Inc. South Houston		Traf-Tex, Inc. Houston	
						UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	93	SS 9009	FURNISH SMARTMICRO-TMIBv2 PROCESSOR	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	94	SS 9009	FURNISH SMART MICRO-TYPE 42 SENSOR	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	95	SS 9009	FURNISH ECONOLITE EVO SYSTEM (2 SENSOR UNITS, INCLUSIVE OF ALL MATERIALS) or approved equal	EA	1	28,697.46	\$ 28,697.46	38,440.13	\$ 38,440.13	33,798.60	\$ 33,798.60	34,582.00	\$ 34,582.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	96	SS 9009	FURNISH ECONOLITE EVO SENSOR	EA	1	10,401.85	\$ 10,401.85	13,926.46	\$ 13,926.46	12,488.90	\$ 12,488.90	12,561.00	\$ 12,561.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	97	SS 9009	FURNISH ECONOLITE EVO HUB	EA	1	7,553.73	\$ 7,553.73	9,907.71	\$ 9,907.71	8,711.40	\$ 8,711.40	8,951.00	\$ 8,951.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	98	SS 9009	FURNISH GRIDSMART 360 SYSTEM (INCLUSIVE OF ALL MATERIALS) or approved equal	EA	1	20,975.42	\$ 20,975.42	26,086.22	\$ 26,086.22	23,329.00	\$ 23,329.00	23,484.00	\$ 23,484.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	99	SS 9009	FURNISH GRIDSMART 360 CAMERA	EA	1	4,962.51	\$ 4,962.51	6,045.58	\$ 6,045.58	4,438.20	\$ 4,438.20	5,482.00	\$ 5,482.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	100	SS 9009	FURNISH GRIDSMART G3 PROCESSOR	EA	1	13,003.62	\$ 13,003.62	16,172.03	\$ 16,172.03	14,680.20	\$ 14,680.20	14,578.00	\$ 14,578.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	101	SS 9009	FURNISH ITERIS-NEXT SYSTEM (4 SENSOR UNITS, INCLUSIVE OF ALL MATERIALS) or approved equal	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	102	SS 9009	FURNISH ITERIS-NEXT SENSOR	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	103	SS 9009	FURNISH ITERIS-NEXT PROCESSOR	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	104	SS 9009	FURNISH WAVTRONIX DETECTION SYSTEM (OR-APPROVED EQUAL) TO PROVIDE MAJOR TRAFFIC-MOVEMENT DETECTION (TWO APPROACHES, STOP BAR AND ADVANCE) AND MINOR MOVEMENT DETECTION (TWO APPROACHES, STOP BAR ONLY), INCLUSIVE OF ALL MATERIALS FOR A COMPLETE SYSTEM	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	105	SS 9009	FURNISH PEDESTRIAN PUSH BUTTON COVER ASSEMBLY, ADA, ROUND, YELLOW	EA	1	33.99	\$ 33.99	73.77	\$ 73.77	64.85	\$ 64.85	119.00	\$ 119.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	106	SS 9009	FURNISH PEDESTRIAN PUSH BUTTON COVER ASSEMBLY, ADA, RECTANGULAR, BLACK	EA	1	43.56	\$ 43.56	72.48	\$ 72.48	64.85	\$ 64.85	118.00	\$ 118.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	107	SS 9009, TxDOT-DMS-11132	FURNISH CAMPBELL WiAAPS Advanced Pedestrian-Coordinator(APC) w/ANTENNA	EA	1	Item Removed							

Section Title	Item Number	Specification	Description	Unit	Quantity	Econolite Systems, Inc. Houston PRIMARY		Creacom Inc. Tomball SECONDARY		Southwest Signal Supply, Inc. South Houston		Traf-Tex, Inc. Houston	
						UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	108	SS 9009, TxDOT DMS-11132	FURNISH CAMPBELL WiAAPS Advanced Pedestrian Button(APB)	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	109	SS 9009, TxDOT DMS-11132	FURNISH CAMPBELL WiAAPS SYSTEM (inclusive of APC,APB(8 ea), and Termination Board)	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	110	SS 9009, TxDOT DMS-11132	FURNISH PELCO IntelliCross SYSTEM	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	111	SS 9009, TxDOT DMS-11132	FURNISH PELCO IntelliCross Pushbutton Station	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	112	SS 9009, TxDOT DMS-11132	FURNISH PELCO IntelliCross PIM	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	113	SS 9009, TxDOT DMS-11132	FURNISH PELCO IntelliCross CIU-C	EA	1	Item Removed							
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	114	SS 9009, TxDOT DMS-11132	FURNISH POLARA iN2 iNavigator SYSTEM	EA	1	13,416.05	\$ 13,416.05	8,214.80	\$ 8,214.80	7,223.00	\$ 7,223.00	7,623.00	\$ 7,623.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	115	SS 9009, TxDOT DMS-11132	FURNISH POLARA iN2 Push Button Station	EA	1	1,001.38	\$ 1,001.38	617.37	\$ 617.37	561.85	\$ 561.85	620.00	\$ 620.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	116	SS 9009, TxDOT DMS-11132	FURNISH POLARA iCCU-S	EA	1	5,404.96	\$ 5,404.96	3,275.82	\$ 3,275.82	2,880.30	\$ 2,880.30	3,070.50	\$ 3,070.50
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	117	SS 9009, TxDOT DMS-11132	FURNISH POLARA INTERCONNECT BOARD (iN2-ICB)	EA	1	172.47	\$ 172.47	106.13	\$ 106.13	96.60	\$ 96.60	148.90	\$ 148.90
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	118	SS 9009	FURNISH SCHOOL BEACON TIMER SWITCH AND CELLULAR MODEM ASSEMBLY (MODEL AI-500-070 OR-APPROVED-EQUAL) WITH 5 YEAR CELLULAR SERVICE PLAN.	EA	10	2,799.45	\$ 27,994.50	3,623.99	\$ 36,239.90	3,186.40	\$ 31,864.00	3,345.50	\$ 33,455.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	119	SS 9009	FURNISH PEDESTRIAN CROSSWALK ASSEMBLY WITH LED ENHANCED SIGN W11-2 AND ADA COMPLIANT AUDIBLE PUSHBUTTON STATION. CARMANAH MODEL R820-G OR DEPARTMENT APPROVED-EQUAL.	EA	20	6,608.48	\$ 132,169.60	8,852.87	\$ 177,057.40	7,783.95	\$ 155,679.00	7,958.00	\$ 159,160.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	120	SS 9009	FURNISH LOW POWER MONITORING SYSTEM. APPLIED INFORMATION MODEL AI-500-030 OR DEPARTMENT-APPROVED-EQUAL.	EA	20	1,136.78	\$ 22,735.60	1,494.90	\$ 29,898.00	1,315.00	\$ 26,300.00	1,380.50	\$ 27,610.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	121	SS 9009	FURNISH AUDIBLE PEDESTRIAN PUSH BUTTON STATION. POLARA MODEL XAV2E-LED OR-DEPARTMENT-APPROVED-EQUAL.	EA	20	877.50	\$ 17,550.00	582.43	\$ 11,648.60	530.00	\$ 10,600.00	539.40	\$ 10,788.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	122	SS 9009	FURNISH PEDESTRIAN PUSH BUTTON CONTROL UNIT. POLARA MODEL XAVCU2-DC OR DEPARTMENT-APPROVED-EQUAL.	EA	10	634.26	\$ 6,342.60	388.29	\$ 3,882.90	353.35	\$ 3,533.50	363.00	\$ 3,630.00

Section Title	Item Number	Specification	Description	Unit	Quantity	Econolite Systems, Inc. Houston PRIMARY		Creacom Inc. Tomball SECONDARY		Southwest Signal Supply, Inc. South Houston		Traf-Tex, Inc. Houston	
						UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	123	SS 9009	FURNISH LED ENHANCED SIGN - TYPE W11-2 WITH YELLOW LEDS. CARMANAH OR DEPARTMENT-APPROVED EQUAL.	EA	20	191.23	\$ 3,824.60	245.91	\$ 4,918.20	223.80	\$ 4,476.00	229.20	\$ 4,584.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	124	688 SPFA	FURNISH SOLAR PANEL WITH TOP OF POLE (4.5" OD) MOUNTING KIT	EA	5	557.77	\$ 2,788.85	537.13	\$ 2,685.65	665.45	\$ 3,327.25	505.30	\$ 2,526.50
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	125	688	FURNISH 12 VDC CHARGING REGULATOR	EA	5	100.93	\$ 504.65	135.90	\$ 679.50	123.70	\$ 618.50	135.50	\$ 677.50
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	126	688 SPFA	FURNISH FLASHER CABINET ASSEMBLY	EA	5	584.33	\$ 2,921.65	1,294.28	\$ 6,471.40	1,177.80	\$ 5,889.00	1,203.20	\$ 6,016.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	127	688 SPFA	FURNISH FLASHER CABINET MOUNT HARDWARE	EA	5	9.56	\$ 47.80	97.07	\$ 485.35	95.25	\$ 476.25	129.50	\$ 647.50
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	128	688 SPFA	FURNISH 4.5" X 19' SPUN ALUMINUM POLE	EA	5	350.59	\$ 1,752.95	673.03	\$ 3,365.15	612.50	\$ 3,062.50	726.00	\$ 3,630.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	129	SPFA	FURNISH FRANGIBLE PEDESTAL POLE BASE WITH MOUNTING HARDWARE	EA	5	222.04	\$ 1,110.20	270.51	\$ 1,352.55	289.00	\$ 1,445.00	487.40	\$ 2,437.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	130	SPFA	FURNISH HELIX SCREW ANCHOR	EA	5	807.43	\$ 4,037.15	983.66	\$ 4,918.30	895.00	\$ 4,475.00	582.85	\$ 2,914.25
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	131	SS 9009	FURNISH ECONOLITE 4 CAMERA VISION SYSTEM (INCLUSIVE OF ALL MATERIALS) OR DEPARTMENT-APPROVED EQUAL.	EA	1	32,461.92	\$ 32,461.92	42,588.30	\$ 42,588.30	37,445.90	\$ 37,445.90	37,310.00	\$ 37,310.00
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	132	SS 9009	FURNISH ECONOLITE COMMS MANAGER PROCESSOR	EA	1	3,925.60	\$ 3,925.60	5,144.77	\$ 5,144.77	4,523.55	\$ 4,523.55	4,672.60	\$ 4,672.60
CONTROLLER and MODULES, CABINET ASSEMBLIES and COMPONENTS, DETECTION SYSTEMS and COMPONENTS	133	SS 9009	FURNISH ECONOLITE VISION CAMERA	EA	1	6,597.56	\$ 6,597.56	8,658.73	\$ 8,658.73	7,613.25	\$ 7,613.25	7,829.20	\$ 7,829.20
TRAFFIC SIGNS AND SIGN LIGHTS	134	694, SP694, SS 9009	FURNISH 48", LED SIGN LIGHT ASSEMBLY	EA	1	178.48	\$ 178.48	1,190.74	\$ 1,190.74	323.90	\$ 323.90	307.50	\$ 307.50
TRAFFIC SIGNS AND SIGN LIGHTS	435	694, SP694, SS 9009	FURNISH DOWN LIGHT ASSEMBLY	EA	+	Item Removed							
TRAFFIC SIGNS AND SIGN LIGHTS	136	624, 649, SS 9009, TSS	FURNISH "LEFT TURN SIGNAL" SIGN (24" X 30")	EA	1	79.41	\$ 79.41	97.07	\$ 97.07	88.35	\$ 88.35	141.00	\$ 141.00
TRAFFIC SIGNS AND SIGN LIGHTS	137	624, 649, SS 9009, TSS	FURNISH "LEFT TURN YIELD" SIGN (24" X 30")	EA	1	94.48	\$ 94.48	97.07	\$ 97.07	88.35	\$ 88.35	141.00	\$ 141.00
TRAFFIC SIGNS AND SIGN LIGHTS	438	624, 649, SS 9009, TSS	FURNISH "LEFT TURN SIGNAL" SIGN (48" X 12")	EA	+	Item Removed							
TRAFFIC SIGNS AND SIGN LIGHTS	139	624, 649, SS 9009, TSS	FURNISH "LEFT TURN YIELD" SIGN (48" X 12")	EA	1	63.75	\$ 63.75	77.66	\$ 77.66	70.65	\$ 70.65	123.00	\$ 123.00
TRAFFIC SIGNS AND SIGN LIGHTS	140	624, 649, SS 9009, TSS	FURNISH "LEFT TURN YIELD ON (GREEN BALL SYMBOL)" SIGN (24" X 30")	EA	1	78.88	\$ 78.88	103.54	\$ 103.54	94.25	\$ 94.25	146.50	\$ 146.50
TRAFFIC SIGNS AND SIGN LIGHTS	141	624, 649, SS 9009, TSS	FURNISH "LEFT TURN YIELD ON (GREEN BALL SYMBOL)" SIGN (54" X 18")	EA	1	136.06	\$ 136.06	139.78	\$ 139.78	127.20	\$ 127.20	180.00	\$ 180.00
TRAFFIC SIGNS AND SIGN LIGHTS	142	624, 649, SS 9009, TSS	FURNISH "LEFT TURN YIELD ON FLASHING YELLOW ARROW" (R10-17T) SIGN (30" X 30")	EA	1	87.12	\$ 87.12	121.34	\$ 121.34	110.45	\$ 110.45	169.00	\$ 169.00

Section Title	Item Number	Specification	Description	Unit	Quantity	Econolite Systems, Inc. Houston PRIMARY		Creacom Inc. Tomball SECONDARY		Southwest Signal Supply, Inc. South Houston		Traf-Tex, Inc. Houston	
						UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
TRAFFIC SIGNS AND SIGN LIGHTS	143	624, 649, SS 9009, TSS	FURNISH "NO U TURN" (SYMBOL) (R3-4) SIGN (36" X 36")	EA	1	181.41	\$ 181.41	186.38	\$ 186.38	169.60	\$ 169.60	223.00	\$ 223.00
TRAFFIC SIGNS AND SIGN LIGHTS	144	624, 649, SS 9009, TSS	FURNISH "NO RIGHT TURN ON RED" (R10-11T) SIGN (24" X 30")	EA	1	69.61	\$ 69.61	103.54	\$ 103.54	94.25	\$ 94.25	146.00	\$ 146.00
TRAFFIC SIGNS AND SIGN LIGHTS	145	624, 649, SS 9009, TSS	FURNISH "SIGNAL AHEAD" (SYMBOL) (W3-3) SIGN (36" X 36")	EA	1	74.37	\$ 74.37	186.38	\$ 186.38	169.60	\$ 169.60	223.00	\$ 223.00
TRAFFIC SIGNS AND SIGN LIGHTS	146	624, 649, SS 9009	FURNISH R10-3R(L) (9" X 15") (DOUBLE-SIDED RIGHT AND LEFT ARROWS ON OPPOSITE SIDES)	EA	1	15.93	\$ 15.93	19.41	\$ 19.41	17.70	\$ 17.70	70.00	\$ 70.00
TRAFFIC SIGNS AND SIGN LIGHTS	147	624, 649, SS 9009, TSS	FURNISH "STREET NAME" SIGN (VARIES X 18")	SF	1	191.23	\$ 191.23	23.30	\$ 23.30	21.20	\$ 21.20	73.00	\$ 73.00
TRAFFIC SIGNS AND SIGN LIGHTS	148	624, 649, SS 9009, SPFA	FURNISH "SCHOOL SPEED LIMIT (##) WHEN FLASHING" (S5-1) SIGN (24" X 48")	EA	1	136.00	\$ 136.00	165.67	\$ 165.67	150.75	\$ 150.75	203.00	\$ 203.00
TRAFFIC SIGNS AND SIGN LIGHTS	149	624, 649, SS 9009, SPFA	FURNISH "CELL PHONE USE PROHIBITED UP TO \$200 FINE" (S7-1T) SIGN (24" X 18")	EA	1	44.62	\$ 44.62	54.36	\$ 54.36	49.45	\$ 49.45	101.00	\$ 101.00
TRAFFIC SIGNS AND SIGN LIGHTS	150	624, 649, SS 9009	FURNISH "(BICYCLE SYMBOL) USE PED SIGNAL" (R9-5) SIGN (12" X 18")	EA	1	34.52	\$ 34.52	31.06	\$ 31.06	28.25	\$ 28.25	80.00	\$ 80.00
TRAFFIC SIGNS AND SIGN LIGHTS	151	624, 649, SS 9009	FURNISH "(BICYCLE + HAND SYMBOLS) USE PED SIGNAL (ARROW)" (R10-26L(R) SIGN (9" X 15")	EA	1	21.57	\$ 21.57	19.41	\$ 19.41	17.70	\$ 17.70	69.00	\$ 69.00
TRAFFIC SIGNS AND SIGN LIGHTS	152	1000, SS 9009	FURNISH "COAT HANGER" SIGN MOUNT ASSEMBLY	EA	1	67.99	\$ 67.99	110.01	\$ 110.01	100.15	\$ 100.15	153.00	\$ 153.00
TRAFFIC SIGNS AND SIGN LIGHTS	153	SS 9009	FURNISH SIGN MOUNT ASSEMBLY - MAST ARM	EA	1	67.46	\$ 67.46	336.51	\$ 336.51	306.25	\$ 306.25	361.00	\$ 361.00
TRAFFIC SIGNS AND SIGN LIGHTS	154	SS 9009, TxDOT MA-C (ILSN) - 12	FURNISH ILSN BRACKET 9' (CLAMP ON DETAIL AS SPECIFIED BY FORT BEND COUNTY)	EA	1	642.75	\$ 642.75	783.04	\$ 783.04	2,355.60	\$ 2,355.60	773.00	\$ 773.00
POLE FOUNDATIONS, TIMBER POLES AND POLE HARDWARE	155	411, 421, 440, SS 9009 Standard Detail SPF	FURNISH AND INSTALL REINFORCED CONCRETE POLE FOUNDATION (CLASS B2), (TYPE 10030), INCLUDING ANCHOR BOLTS	VF	14	318.88	\$ 4,464.32	315.05	\$ 4,410.70	725.00	\$ 10,150.00	266.00	\$ 3,724.00
POLE FOUNDATIONS, TIMBER POLES AND POLE HARDWARE	156	411, 421, 440, SS 9009 Standard Detail SPF	FURNISH AND INSTALL REINFORCED CONCRETE POLE FOUNDATION (CLASS B2), (TYPE 10036), INCLUDING ANCHOR BOLTS	VF	16	403.91	\$ 6,462.56	328.09	\$ 5,249.44	845.00	\$ 13,520.00	271.00	\$ 4,336.00
POLE FOUNDATIONS, TIMBER POLES AND POLE HARDWARE	157	681, SS 9009	FURNISH AND INSTALL 40' CLASS II TIMBER POLE INCLUDING TWO EACH 8' X 10" DOWN GUY SCREW ANCHORS, DOWN GUY CABLES, GUY COVERS AND HARDWARE	EA	4	2,759.33	\$ 11,037.32	2,066.71	\$ 8,266.84	3,171.90	\$ 12,687.60	1,924.00	\$ 7,696.00
POLE FOUNDATIONS, TIMBER POLES AND POLE HARDWARE	158	SS 9009	2-PIECE BASE FOR 4-1/2" OD POLE, PLASTIC	EA	50	166.01	\$ 8,300.50	204.50	\$ 10,225.00	195.00	\$ 9,750.00	190.00	\$ 9,500.00
POLE FOUNDATIONS, TIMBER POLES AND POLE HARDWARE	159	SS 9009	POLE CAP FOR 4-1/2" OD POLE, ACORN TYPE, ALUMINUM	EA	50	11.69	\$ 584.50	24.59	\$ 1,229.50	22.40	\$ 1,120.00	24.00	\$ 1,200.00
POLE FOUNDATIONS, TIMBER POLES AND POLE HARDWARE	160	SS 9009	PEDESTAL BASE DOOR, PLASTIC	EA	50	18.06	\$ 903.00	22.00	\$ 1,100.00	20.00	\$ 1,000.00	22.00	\$ 1,100.00
POLE FOUNDATIONS, TIMBER POLES AND POLE HARDWARE	161	SS 9009	UNIVERSAL HAND HOLE COVER, ABS PLASTIC	EA	50	27.62	\$ 1,381.00	40.12	\$ 2,006.00	36.50	\$ 1,825.00	38.00	\$ 1,900.00
POLE FOUNDATIONS, TIMBER POLES AND POLE HARDWARE	162	SS 9009	PELCO HAND HOLE COVER	EA	10	13.81	\$ 138.10	16.83	\$ 168.30	15.30	\$ 153.00	21.00	\$ 210.00
WIRE, CABLE AND HARDWARE	163	678, SS 8678, SS 9009	FURNISH 1/4" 7-WIRE, ZINC COATED, STEEL WIRE	LF	1,000	0.51	\$ 510.00	0.45	\$ 450.00	0.42	\$ 420.00	1.20	\$ 1,200.00
WIRE, CABLE AND HARDWARE	164	678, SS 8678, SS 9009	FURNISH 5/16" 7-WIRE, ZINC COATED, STEEL WIRE	LF	1,000	0.19	\$ 190.00	0.65	\$ 650.00	0.68	\$ 680.00	1.10	\$ 1,100.00
WIRE, CABLE AND HARDWARE	165	SS 9009	FURNISH MESSENGER SUSPENSION CLAMP, 3-BOLT STRAIGHT, 1/4-7/16, GALVANIZED	EA	50	7.80	\$ 390.00	17.05	\$ 852.50	16.50	\$ 825.00	21.55	\$ 1,077.50
WIRE, CABLE AND HARDWARE	166	SS 9009	FURNISH LASHING WIRE CLAMP, TYPE D, GALVANIZED	EA	100	0.92	\$ 92.00	0.63	\$ 63.00	1.15	\$ 115.00	13.64	\$ 1,364.00
WIRE, CABLE AND HARDWARE	167	SS 9009	FURNISH 1/4" WIRE ROPE CLIP, GALVANIZED	EA	100	4.57	\$ 457.00	0.42	\$ 42.00	5.10	\$ 510.00	2.17	\$ 217.00
WIRE, CABLE AND HARDWARE	168	SS 9009	FURNISH 5/16" WIRE ROPE CLIP, GALVANIZED	EA	100	4.80	\$ 480.00	0.44	\$ 44.00	5.35	\$ 535.00	2.83	\$ 283.00
WIRE, CABLE AND HARDWARE	169	SS 9009	FURNISH 1/4" SERVING SLEEVE, GALVANIZED	EA	100	0.80	\$ 80.00	0.55	\$ 55.00	2.15	\$ 215.00	2.58	\$ 258.00
WIRE, CABLE AND HARDWARE	170	SS 9009	FURNISH 5/16" SERVING SLEEVE, GALVANIZED	EA	100	1.03	\$ 103.00	1.44	\$ 144.00	2.60	\$ 260.00	2.58	\$ 258.00
WIRE, CABLE AND HARDWARE	171	SS 9009	FURNISH CABLE TIE (PANDUIT MLT4H-LP or APPROVED EQUAL)	EA	1,000	0.22	\$ 220.00	1.59	\$ 1,590.00	2.45	\$ 2,450.00	2.47	\$ 2,470.00
WIRE, CABLE AND HARDWARE	172	SS 9009	FURNISH #4 AWG, XHHW STRANDED WIRE	LF	1,000	1.17	\$ 1,170.00	1.46	\$ 1,460.00	1.30	\$ 1,300.00	2.49	\$ 2,490.00

WIRE, CABLE AND HARDWARE	173	SS 9009	FURNISH #4 AWG, SOLID BARE COPPER WIRE	LF	1,000	0.99	\$ 990.00	1.00	\$ 1,000.00	1.10	\$ 1,100.00	2.28	\$ 2,280.00
WIRE, CABLE AND HARDWARE	174	SS 9009	FURNISH #6 AWG, SOLID BARE COPPER WIRE	LF	1,000	0.48	\$ 480.00	0.63	\$ 630.00	0.65	\$ 650.00	1.43	\$ 1,430.00
WIRE, CABLE AND HARDWARE	175	SS 9009	FURNISH #8 AWG, SOLID BARE COPPER WIRE	LF	1,000	0.38	\$ 380.00	0.40	\$ 400.00	0.45	\$ 450.00	1.05	\$ 1,050.00
Section Title	Item Number	Specification	Description	Unit	Quantity	Econolite Systems, Inc. Houston PRIMARY		Creacom Inc. Tomball SECONDARY		Southwest Signal Supply, Inc. South Houston		Traf-Tex, Inc. Houston	
						UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
WIRE, CABLE AND HARDWARE	176	SS 9009	FURNISH #12 AWG 30 MIL-PE TRACER WIRE, ORANGE	LF	2,500	0.01	\$ 25.00	0.25	\$ 625.00	0.75	\$ 1,875.00	0.80	\$ 2,000.00
WIRE, CABLE AND HARDWARE	177	679, SS 9009	FURNISH 2C-#14 AWG, IMSA 20-1, STRANDED TRAFFIC SIGNAL CABLE	LF	5,000	0.35	\$ 1,750.00	0.72	\$ 3,600.00	0.40	\$ 2,000.00	1.00	\$ 5,000.00
WIRE, CABLE AND HARDWARE	178	679, SS 9009	FURNISH 2C-#14 AWG, IMSA 50-2, STRANDED TRAFFIC SIGNAL CABLE	LF	5,000	0.49	\$ 2,450.00	0.81	\$ 4,050.00	0.55	\$ 2,750.00	0.90	\$ 4,500.00
WIRE, CABLE AND HARDWARE	179	679, SS 9009	FURNISH 4C-#14 AWG, IMSA 20-1, STRANDED TRAFFIC SIGNAL CABLE	LF	5,000	0.57	\$ 2,850.00	1.23	\$ 6,150.00	0.75	\$ 3,750.00	1.83	\$ 9,150.00
WIRE, CABLE AND HARDWARE	180	679, SS 9009	FURNISH 7C-#14 AWG, IMSA 20-1, STRANDED TRAFFIC SIGNAL CABLE	LF	5,000	0.83	\$ 4,150.00	1.74	\$ 8,700.00	1.25	\$ 6,250.00	2.44	\$ 12,200.00
Conduit	181	677, SS 9009	FURNISH AND INSTALL 1" SCHEDULE 40 PVC CONDUIT	LF	1000	7.44	\$ 7,440.00	8.92	\$ 8,920.00	19.40	\$ 19,400.00	10.40	\$ 10,400.00
Conduit	182	677, SS 9009	FURNISH AND INSTALL 1" RIGID METAL CONDUIT	LF	500	18.07	\$ 9,035.00	18.68	\$ 9,340.00	37.60	\$ 18,800.00	14.35	\$ 7,175.00
Conduit	183	677, SS 9009	FURNISH AND INSTALL 1-1/4" SCHEDULE 40 PVC CONDUIT	LF	500	10.63	\$ 5,315.00	9.66	\$ 4,830.00	20.00	\$ 10,000.00	11.40	\$ 5,700.00
Conduit	184	677, SS 9009	FURNISH AND INSTALL 1-1/4" RIGID METAL CONDUIT	LF	250	20.20	\$ 5,050.00	22.48	\$ 5,620.00	40.10	\$ 10,025.00	18.76	\$ 4,690.00
Conduit	185	677, SS 9009	FURNISH AND INSTALL 2" SCHEDULE 40 PVC CONDUIT	LF	10000	13.29	\$ 132,900.00	8.45	\$ 84,500.00	21.00	\$ 210,000.00	13.87	\$ 138,700.00
Conduit	186	677, SS 9009	FURNISH AND INSTALL 2" RIGID METAL CONDUIT	LF	5000	26.57	\$ 132,850.00	24.12	\$ 120,600.00	43.25	\$ 216,250.00	28.56	\$ 142,800.00
Conduit	187	677, SS 9009	FURNISH AND INSTALL 3" SCHEDULE 40 PVC CONDUIT	LF	1500	22.32	\$ 33,480.00	12.87	\$ 19,305.00	23.90	\$ 35,850.00	21.54	\$ 32,310.00
Conduit	188	677, SS 9009	FURNISH AND INSTALL 3" RIGID METAL CONDUIT	LF	750	44.64	\$ 33,480.00	41.54	\$ 31,155.00	55.60	\$ 41,700.00	45.64	\$ 34,230.00
Conduit	189	677, SS 9009	FURNISH AND INSTALL 4" SCHEDULE 40 PVC CONDUIT	LF	1000	26.57	\$ 26,570.00	15.95	\$ 15,950.00	26.00	\$ 26,000.00	24.30	\$ 24,300.00
Conduit	190	677, SS 9009	FURNISH AND INSTALL 4" RIGID METAL CONDUIT	LF	500	58.46	\$ 29,230.00	53.86	\$ 26,930.00	64.60	\$ 32,300.00	75.69	\$ 37,845.00
Miscellaneous	200	FBC APPR	ANNUAL CELLULAR SERVICE PLAN COMPATIBLE WITH APPLIED INFORMATION, INC. GLANCE CONNECTED SCHOOL BEACONS SYSTEM (450 FIELD UNITS)	LS	1	173,160.00	\$ 173,160.00	232,057.98	\$ 232,057.98	191,452.15	\$ 191,452.15	199,691.00	\$ 199,691.00
GRAND TOTAL:						\$	3,586,742.52	\$	4,407,237.13	\$	4,464,186.10	\$	4,500,266.70