

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 PURCHASING OPERATIONS
 P.O. BOX 30026, LANSING, MI 48909
 OR
 530 W. ALLEGAN, LANSING, MI 48933

July 18, 2008

CHANGE NOTICE NO. 7
TO
CONTRACT NO. 071B3001025
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF VENDOR Carrier & Gable, Inc. 24110 Research Drive Farmington Hills, MI 48335 frankcarrier@carriergable.com or billmurphy@carriergable.com	TELEPHONE Frank Carrier (810) 477-8700
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 373-6327 Mary Ostrowski
Contract Compliance Inspector: Rick Dolan Traffic Signal Devices and Parts – MI Department of Transportation	
CONTRACT PERIOD: From: October 1, 2002 To: October 1, 2009	
TERMS Net	SHIPMENT 120 Days ARO
F.O.B. Delivered	SHIPPED FROM Farmington Hills, MI
MINIMUM DELIVERY REQUIREMENTS None	

NATURE OF CHANGE(S):

Effective immediately this Contract is hereby **EXTENDED** one year to **October 1, 2009**.

Also, please note that the buyer has changed to **Mary Ostrowski**.

All other terms and conditions, pricing and specifications remain unchanged.

AUTHORITY/REASON:

Per DMB Purchasing Operations and vendor contact **William Murphy**.

TOTAL ESTIMATED CONTRACT VALUE REMAINS: \$3,962,016.3

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 PURCHASING OPERATIONS
 P.O. BOX 30026, LANSING, MI 48909
 OR
 530 W. ALLEGAN, LANSING, MI 48933

April 24, 2008

CHANGE NOTICE NO. 6 (revised)
TO
CONTRACT NO. 071B3001025
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF VENDOR Carrier & Gable, Inc. 24110 Research Drive Farmington Hills, MI 48335 frankcarrier@carriergable.com or billmurphy@carriergable.com	TELEPHONE Frank Carrier (810) 477-8700
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 241-2005 Lisa Morrison
Contract Compliance Inspector: Rick Dolan Traffic Signal Devices and Parts – MI Department of Transportation	
CONTRACT PERIOD: From: October 1, 2002 To: September 30, 2007	
TERMS Net	SHIPMENT 120 Days ARO
F.O.B. Delivered	SHIPPED FROM Farmington Hills, MI
MINIMUM DELIVERY REQUIREMENTS None	

NATURE OF CHANGE(S):

Multiple modifications have been made to the attachment on Change Notice #6. These changes include:

- 1) Line Item 304: Product cost should be \$4,700.00, not \$470.00
- 2) Line Item 298: Product number should be AP240-S, not AP240-ES
- 3) Line Item 299: Product number should be RP-240-B, not RP-240-E
- 4) Line items 323 through 332 for Illuminated Case Signs are deleted from this contract

All other terms and conditions, pricing and specifications remain unchanged.

AUTHORITY/REASON:

Per agency contact Rick Dolan, and correspondence of agreement from William L. Murphy of Carrier & Gable, Inc.

TOTAL ESTIMATED CONTRACT VALUE REMAINS: \$3,962,016.35

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 PURCHASING OPERATIONS
 P.O. BOX 30026, LANSING, MI 48909
 OR
 530 W. ALLEGAN, LANSING, MI 48933

February 20, 2008

CHANGE NOTICE NO. 6
TO
CONTRACT NO. 071B3001025
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF VENDOR Carrier & Gable, Inc. 24110 Research Drive Farmington Hills, MI 48335 frankcarrier@carriergable.com or billmurphy@carriergable.com	TELEPHONE Frank Carrier (810) 477-8700
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 241-2005 Lisa Morrison
Contract Compliance Inspector: Rick Dolan Traffic Signal Devices and Parts – MI Department of Transportation	
CONTRACT PERIOD: From: October 1, 2002 To: September 30, 2007	
TERMS Net	SHIPMENT 120 Days ARO
F.O.B. Delivered	SHIPPED FROM Farmington Hills, MI
MINIMUM DELIVERY REQUIREMENTS None	

NATURE OF CHANGE(S):

Effective immediately this Contract is hereby **EXTENDED** from December 31, 2007 until September 30, 2008.

Multiple modification shave been made to indicate various items including; model numbers, product descriptions, unit price on items 048-055, and new items have been added to the contract item number 273-334. Changes are shown in "*bold, italic, large, red print*".

All other terms and conditions, pricing and specifications remain unchanged.

AUTHORITY/REASON:

Per agency contact Rick Dolan, and correspondence of agreement from William L. Murphy of Carrier & Gable, Inc. as approved by DMB Purchasing Operations.

TOTAL ESTIMATED CONTRACT VALUE REMAINS: \$3,962,016.35

001	Each	210-45-16-0807	Boxes, Pull, Used To Connect Underground Conduit. Light Duty, 17" X 11" X 12", Low Pressure Structural Foam Molded, Hdpe, Color Gray, Logo Shall Be Traffic Signal, With T.S. Lid. As Brand Name: Brooks Product #: HDPE1419-12, TS LID 104-1007	19.57
002	Each	210-45-16-2902	Boxes, Pull, Used To Connect Underground Conduit. 25"L X 15.2"W X 18"H, Polymer Concrete Hand Hole, Reinforced With Heavy Weave Fiberglass, Without Lid. As Brand Name: Quazite Product #: PG1324BA18	96.75
003	Each	210-45-16-3751	Boxes, Pull, Used To Connect Underground Conduit. 32.3"L X 19.3"W X 18"H Polymer Concrete Hand Hole, Reinforced With Heavy Weave Fiberglass, Without Lid. As Brand Name: Quazite Product #: PG1730BA18	120.85
004	Each	550-14-75	Signs, message, fiber optic, changeable. Open/closed fiber optic sign; Legends shall be two messages: Message 1 - OPEN, Message 2 - CLOSED; size 102" x 20 3/4" As Brand Name: National Sign & Signal Product #: 1W102X20.75	3981.25
005	Each	550-14-75	Signs, Message, blank out sign; 1-way, 24" x 30", 1-message, 1 color, fiber optic blank out sign. Brand Name: National Sign & Signal Product #: 1W24X301MF.O.	1392.30
006	Each	550-14-75	Signs, Message, blank out sign; 1-way, 24" x 30", 1-message, 2 color, fiber optic blank out sign. Brand Name: National Sign & Signal Product #: 1W24X301MF.O.	1547.50
007	Each	550-14-75	Sign, message, Fiber Optic school speed limit, 24" x 36" with dimmer circuit, open/close MDOT std. Fiber optic sign specifications. Must specify speed limit with order. Brand Name: National Sign & Signal Product #: 1W24X36SCHF.O.	2818.75
008	Each	550-14-75	Crosswalk Sign, 8 foot, 2-way, internally illuminated, with yellow faces with black symbol and legend; includes free swinging bracket assembly; yellow housing body. Brand: National Sign & Signal Product #: 180XWALK2W	1055.50
009	Each	550-80-58	Push Button, Pedestrian, Yellow, die cast aluminum, to be used with pedestrian actuated controllers, highly vandal resistant, piezo electric pressure switch with audible tone and momentary LED light, polycarbonate housing, color shall be yellow. Brand Name: Polara Product #: BLDGM	85.20
010	Each	550-80-58-1709	Push Button, Pedestrian, Yellow, die cast aluminum, to be used with pedestrian actuated controllers, able to withstand extremely hard service, color shall be yellow. Brand Name: Pelco Product #: SE-2043-P01	31.85

011	Each	550-81-30	Controller, Traffic Signal, With 24 Circuit Terminal Facility, In 30" Side Of Pole Or Base Mount Cabinet, With 16 Channel Detector Card Rack with BIU And Power Supply. Cabinet Painted Inside And Out. As Brand Name: Eagle Product #: EPAC3108M52/M30	6567.00
012	Each	550-81-30	Controller, Traffic Signal, with 48 circuit terminal facility, in 44" base mount cabinet with 16 channel detector card rack with BIU and power supply. Cabinet painted inside and out. As Brand Name: Eagle Product #: EPAC3108M52/P44	8579.50
013	Each	550-81-30	Controller, Traffic Signal, with 36 Circuit Terminal Facility, in 36" base mount cabinet with 16 channel detector card rack with BIU and power supply. Cabinet painted inside and out. As Brand Name: Eagle Product #: EPAC3108M52/M36	7323.00
014	Each	550-81-30	Master Controller, traffic signal master area responsive controller and traffic signal controller mechanism only. Brand Name: Eagle Product #: MARC/EPAC3108M52	2913.35
015	Each	550-81-30	Push Button Isolator As Brand Name: PDC, Inc. Product #: DCI-82-242	39.15
016	Each	550-81-30	Loadswitch As Brand Name: TSC, Inc. Product #: 200-OICL	35.00
017	Each	550-81-30	Detector, 2 Channel, with Delay and Extend Timer; TS1/TS2 As Brand Name: EDI Product #: ORACLE2E	440.00
018	Each	550-81-30	Detector, 4 Channel, with delay and extend timer; TS1/TS2 As Brand Name: EDI Product #: ORACLE4E	585.00
019	Each	550-81-30	Single Probe, Non-Invasive Micro-Loop, with 50 foot length of lead in cable. As Brand Name: Global Traffic Technologies Product #: M702-1-50	190.95
020	Each	550-81-30	Dual Probe, Non-Invasive Micro-Loop, with 4 foot spacing and 50 foot length of lead in cable. As Brand Name: Global Traffic Technologies Product #: M702-2-50-4	362.75
021	Each	550-81-30	Triple Probe, Non-Invasive Micro-Loop, with 4 foot spacing and 50 foot length of lead in cable. As Brand Name: Global Traffic Technologies Product #: M702-3-50-4-4	667.85
022	Each	550-81-30	Installation Kit, non-Invasive Micro-Loop. As Brand Name: Global Traffic Technologies Product #: 78-8114-5717-1	114.00

023	Each	550-81-30	Carrier Cartridges, Non-Invasive Micro-Loop, 50 cartridges. As Brand Name: Global Traffic Technologies Product #: 78-8118-6124-0	385.00
024	Each	550-81-30	Detector System, Video Processor in Rack, 4 Camera Inputs, 115VAC includes TS1 cable, manual, mouse, software, power cable and opto-isolated detector outputs. As Brand Name: Iteris Product #: VAN-BR41	11,000.00
025	Each	550-81-30	Detector System, Video Processor in Rack, 6 Camera Inputs, 115VAC includes TS1 cable, manual, mouse, software, power cable and opto-isolated detector outputs. As Brand Name: Iteris Product #: VAN-BR61	15,358.00
026	Each	550-81-30	Detector System, shelf mounted, video processor, 1 camera input, 115VAC includes TS1 cable, manual, mouse, software, power cable and opto-isolated detector outputs. As Brand Name: Iteris Product #: VAN-I1	2862.00
027	Each	550-81-30	Detector System, video processor, for rack mount, 1 camera input and opto-isolated detector outputs. As Brand Name: Iteris Product #: EDGE2-1CH	2569.00
028	Each	550-81-30	Detector System, video processor, for rack mount, 2 camera input and opto-isolated detector outputs. As Brand Name: Iteris Product #: EDGE2-2CH	4366.00
029	Each	550-81-30	Detector System, Video processor extension module, for rack mount, 2 channel and opto-isolated detector outputs. As Brand Name: Iteris Product #: EXTMOD-2CH	358.00
030	Each	550-81-30	Detector System, Video processor extension module, for rack mount, 4 channel and opto-isolated detector outputs. As Brand Name: Iteris Product #: EXTMOD-4CH	398.00
031	Each	550-81-30	Detector, color video camera, 8 outputs, 24 loop capable, with delay and extend timer, TS1/TS2 As Brand Name: Iteris Product #: CAM-RZ4C	1761.00
032	Each	550-81-30	Detector, wide angle video camera, 8 outputs, 24 loop capable, with delay and extend timer, TS1/TS2 As Brand Name: Iteris Product #: CAM-WA3	2422.00
033	Each	550-81-30	Lens Adjust Module, Video camera with display, with piggy back cable. As Brand Name: Iteris Product #: CAM VIEW	429.00
034	Each	550-81-30	Monitor, video camera input, B&W, 9 inch As Brand Name: BOSCH Product #: PB-LTC200990	124.00

035	Each	550-81-30	Cable Harness, SDLC, 3 foot length for EPAC Controller As Brand Name: Eagle Product #: ABW12071P036	52.56
036	Each	550-81-30	D Module, SLDC Port 1, for EPAC Controller As Brand Name: Eagle Product #: AAD11707P003	540.00
037	Each	550-81-30	Radio Master Kit. Complete with RF jumper cable; 3/8" cable connectors; 3/8" water tight radio cable; polyphaser surge protection;(2) 10DB Yagi antennas; SOP mounting bracket for steel or wood; D module w/2nd RS232 EPAC M30; cable modem EPAC 3101; power divider; radio and 13.8VDC power supply. As Brand Name: Eagle Product #: 150/5200-YAGI	2453.10
038	Each	550-81-30	Radio Master Kit. Complete with RF jumper cable; 3/8" cable connectors; 3/8" water tight radio cable; polyphaser surge protection;(2) 10DB Yagi antennas; SOP mounting bracket for steel or wood; "D" module w/2nd RS232 EPAC M30; cable modem EPAC 3101; power divider; radio and power cube; FSK cable. As Brand Name: Eagle Product #: 101/5100-YAGI	3090.75
039	Each	550-81-30	Power Divider, dual antenna mounting device. As Brand Name: ENCOM Product #: EP-SPLITTER	206.20
040	Each	550-81-30	Connector , Water Proof, 3/8" radio use, 100 ft. As Brand Name: Times Product #: TMC-EZ400NMH	7.88
041	Each	550-81-30	"D" Option Board Assembly, for Eagle EPAC/EPIC Controllers, 2 nd RS-232 As Brand Name: Eagle Product #: AAD11112P015	202.10
042	Each	550-81-30	"D" Option Board Assembly, for Eagle MARC Master Controllers, 2 nd RS-232 As Brand Name: Eagle Product #: AAD11112P033	272.50
043	Each	550-81-30	Cabinet Power Supply, shelf mount, 24V, TS2 As Brand Name: EDI Product #: PS250	38.75
044	Each	550-81-30	Antenna, OMNI Directional, 3 DB Gain As Brand Name: Antenex Product #: AN-160	195.90
045	Each	550-81-30	Antenna, OMNI Directional, 7 DB Gain As Brand Name: Maxrad Product #: MFB8967NF	186.00
046	Each	550-81-30	Antenna, OMNI Directional, 9 DB Gain As Brand Name: Scala Product #: 905-915	1118.79
047	Each	550-81-30	Antenna, YAGI Directional, 10 DB Gain As Brand Name: Scala Product #: TY900	220.00

048	Each	550-81-30	Flasher, 24 hour, solar powered, dual beacon for square tube, round tube, pedestal or side of pole mount. As Brand Name: Carmanah Product #: R247	2995.00
049	Each	550-81-30	School Zone, Solar powered dual flashing beacon with time base control, pedestal, or side of pole mount. As Brand Name: Carmanah Product #: R829	2995.00
050	Each	550-81-30	Flasher, 24 hour, integrated, solar powered, red or yellow single beacon for square tube, round tube, pedestal or side of pole mount. As Brand Name: Carmanah Product #: R247C	2293.00
051	Each	550-81-30	School Zone, solar powered single flasher beacon assembly with time base control, pedestal or side of pole mount. As Brand Name: Carmanah Product #: R829C	2395.00
052	Each	550-81-30	Controller, traffic signal, with 24 circuit terminal facility, in 30" side of pole or base mount cabinet with plastic door, with 16 channel detector card rack with BIU and power supply. Cabinet painted inside and out. As Brand Name: Eagle Product #: EPAC3108M53/M30P	6509.75
053	Each	550-81-30	Controller, traffic signal, with 48 circuit terminal facility, in 44" base mount cabinet with plastic door, with 16 channel detector card rack with BIU and power supply. Cabinet painted inside and out. As Brand Name: Eagle Product #: EPAC3108M52/P44P	8103.25
054	Each	550-81-30-2287	Controller, Traffic signal timer mechanism only. As Brand Name: Eagle Product #: EPAC3108M52	2447.00
055	Each	550-81-30	Controller, Traffic signal, with 36 circuit terminal facility, in 36" base mount cabinet with plastic door, with 16 channel detector card rack with BIU and power supply. Cabinet painted inside and out. As Brand Name: Eagle Product #: EPAC3108M52/M36P	6063.50
056	Each	550-81-30-2303	Controller, traffic signal, solid state, timer mechanism only, pre-timed, interval oriented. As Brand Name: Eagle Product #: EPIC141M01	1753.70
057	Each	550-81-30-7302	Socket, controller module, for PC642 lightning protector. As Brand Name: Edco Product #: PCB1B	10.00

058	Each	550-81-34-6672	Relay, flash transfer, for use with NEMA traffic controllers, DPDT 20 amp contacts, encapsulated for dust-free operation. As Brand Name: Magnacraft Product #: W21ACPX-2	23.00
059	Each	550-81-51-7009	Monitors, traffic controller, signal sequence, 6 channel, NEMA type conflict/voltage, LCD display. As Brand Name: Eberle Design Inc. Product #: SSM-6LE	562.60
060	Each	550-81-51-7207	Monitors, traffic controller, signal sequence, 12 channel, NEMA type conflict/voltage, LCD display. As Brand Name: Eberle Design Inc. Product #: SSM-12LE	651.70
061	Each	550-81-79	Surge protector, PC-642 30V 111-0642 - data/signal, 30 volt, plug in module type. As Brand Name: Edco Inc. Product #: PC642 30V	38.40
062	Each	550-81-79	Power supply, for card rack, 120 vac, model C800IS As Brand Name: EDI Product #: TS150	267.00
063	Each	550-81-79	Power Supply, Shelf Mount Video Processor, 1 Amp, 115VAC to 24 VDC. As Brand Name: Iteris Product #: PWRSPY1	342.00
064	Each	550-81-79	Power Supply, Shelf Mount Video Processor, 2.5 Amp, 115VAC to 24VDC. As Brand Name: Iteris Product #: PWRSPY2.5	578.00
065	Each	550-81-79	Surge Protector, video coaxial. As Brand Name: Edco Product #: CXI-05	51.70
066	Each	550-81-79	Surge suppression, polyphaser In line. As Brand Name: Polyphaser Product #: IS-50NX-C2	62.00
067	Each	550-81-79	Battery, 100 amp hour gell cell battery for use with solar charged systems. As Brand Name: RTC Product #: 173-100AH	214.10
068	Each	550-81-79	Solar panel, 90 watt array, for use with solar charged, DC battery systems. As Brand Name: RTC Product #: 90WDCARY	685.94
069	Each	550-81-79	Solar panel, 115 watt array, for use with solar charged, DC battery systems. As Brand Name: RTC Product #: 115WDCARY	808.16
070	Each	550-81-79	Solar panel, 345 watt array, for use with solar charged, DC battery systems. As Brand Name: RTC Product #: 345WDCARY	2424.52
071	Each	550-81-79	Solar panel, 460 watt array, for use with solar charged, DC battery systems. As Brand Name: RTC Product #: 460WDCARY	3232.67

072	Each	550-81-79	Solar panel, 960 Watt array for use with solar charged, DC battery systems. As Brand Name: RTC Product #: 960WDCARY	4848.98
073	Each	550-81-79	Surge Protector for Traffic Signals, 8 Volt, Data/Signal, plug in Module type. As Brand Name: EDCO Inc. Product #: PC642 8V	37.20
074	Each	550-82-55-1007	Cabinet, count station, "M", 51 inch x 30 inch x 18 inch, door has corbin lock and no compartment switch, gray exterior and riser base, 2 shelves, back panel with two 15 amp circuit breakers, one GFI duplex, surge arrestor and ground bus, lamp base, 250 watt heater with fan and thermostat. As Brand Name: Eagle Product #: EL702BMCS	2728.75
075	Each	550-82-55-1056	Cabinet, count station, "P", 56 inch x 44 inch x 27.5 inch; door has corbin lock and no compartment switch; gray exterior and riser base. Includes two shelves, back panel with two 15 amp circuit breakers, one GFI duplex, surge arrestor and ground bus, lamp base, 250 watt heater with fan and thermostat. As Brand Name: Eagle Product #: EL712BMCS	3166.25
076	Each	550-85-47	Shaft, Traffic Signal Pedestal, pedestrian support, 8 foot extruded aluminum pole (shaft) As Brand Name: Pelco Product #: PB5100-08- PNC	103.93
077	Each	550-85-47	Shaft, Traffic Signal Pedestal, pedestrian support, 9 foot extruded aluminum pole (shaft) As Brand Name: Pelco Product #: PB5100-09-PNC	115.83
078	Each	550-85-47	Shaft, Traffic Signal Pedestal, pedestrian support, 11 foot extruded aluminum pole (shaft) As Brand Name: Pelco Product #: PB5100-11 PNC	142.29
079	Each	550-85-47	Shaft, Traffic Signal Pedestal, pedestrian support, 15 foot extruded aluminum pole (shaft) As Brand Name: Pelco Product #: PB5100-15 PNC	193.81
080	Each	550-85-47	Shaft, Traffic Signal Pedestal, pedestrian support, 16 foot extruded aluminum pole (shaft) As Brand Name: Pelco Product #: PB5100-16 PNC	206.18
081	Each	550-85-47	Base, Square Pedestal, pedestrian support, aluminum w/grounding lug & set screw. As Brand Name: Pelco Product #: SP-5326-PNC	97.00
082	Each	550-85-47	Base, Octagonal Pedestal, pedestrian support, aluminum w/grounding lug & set screw. As Brand Name: Pelco Product #: PB-5344-PNC	103.88
083	Each	550-85-47-0502	Traffic Signal Pedestal, pedestrian support, with 10 foot extruded aluminum pole (shaft), with anchor bolts and nuts. As Brand Name: Pelco Product #: PB5301, PB5100-10	248.85

084	Each	550-85-56	Traffic signal tapered pole, steel, 14 foot length, hand hole, cover, anchor base and anchor bolts; 12.75 inch base bolt circle and 4.5 inch diameter pole top. Per 1994 AASHTO Standards. As Brand Name: Pelco Product #: AP02-14-12.75	1163.85
085	Each	550-85-56-5806	Traffic signal strain pole, steel, 30 foot length, with top cap, hand holes, covers, anchor base and anchor bolts, shall include 4 anchor bolts per pole. Per 2001 AASHTO Standards. As Brand Name: Union Metal Product #: 30	1809.72
086	Each	550-85-56-6309	Traffic signal strain pole, steel, 36 foot length, with top cap, hand holes, covers, anchor base, and anchor bolts, shall include 4 anchor bolts per pole. Per 2001 AASHTO Standards. As Brand Name: Union Metal Product #: 36	2157.50
087	Each	550-85-56-6507	Traffic signal strain pole, steel, 40 foot length, with top cap, hand holes, covers, anchor base and anchor bolts, shall include 4 anchor bolts per pole. Per 2001 AASHTO Standards. As Brand Name: Union Metal Product #: 40	3083.75
088	Each	550-85-69	Anchor Bolt, Pedestal Base, 0.75 inch X 18 inch X 3.5 inch; <u>set</u> of four (4) bolts with washers and nuts. As Brand Name: AA Anchor Bolt Product #: 157-1001	28.00
089	Each	550-85-69	Anchor Bolt, Mast Arm Foundation, 1.75 inch diameter x 114 inch x 6 inch. Set of four (4) bolts with washers and nuts. As Brand Name: AA Anchor bolt Product #: 157-1024	477.71
090	Each	550-85-69	Anchor Bolt, Steel Pole base, 1.125"X30"X5"; <u>set</u> of (4) bolts with washer and nuts. As Brand Name: Pelco Product #: 103-1.125X30X5	158.10
091	Each	550-85-69	Reinforcing Collar, aluminum square base and shaft reinforcing collar. As Brand Name: Pelco Product #: PB-5325-ALO	46.08
092	Each	550-85-69	Clamp, pole strain, 8.5 inch diameter. For use with steel strain poles. As Brand Name: Pelco Product #: AP-1054-GLV	60.26
093	Each	550-85-69	Clamp, pole strain, 9.5 inch diameter. For use with steel strain poles. As Brand Name: Pelco Product #: AP-1055-GLV	60.26
094	Each	550-85-69	Anchor bolt, steel strain pole, 1.75 in. diameter x 114 in. x 6 in. As Brand Name: AA Anchor Bolt Product #: 157-1022	333.21
095	Each	550-85-69-1263	Clamp, pole strain, 7.5 inch diameter. For use with steel strain poles. As Brand Name: Pelco Product #: AP-1023-GLV	55.10
096	Each	550-85-69-1271	Clamp, pole strain, 10.75 inch diameter. For use with steel strain poles. As Brand name: Pelco Product #: AP-1056-GLV	60.26

097	Each	550-88-13-1002	Cabinet, flasher, weatherproof, cast aluminum, weather tight seal around all doors for maximum protection, smooth exterior surface, lock for doors with two keys, painted aluminum, no holes, minimum inside dimension to be 10-3/16 inch width by 13-11/16 inch height by 6-21/32 inch depth. As Brand Name: Temple Product #: EL-240	143.70
098	Each	550-88-14	Cable, Micro-loop lead-in, 2 pair 18 AWG. As Brand Name: Global Traffic Technologies Product #: CC30003	.39
099	Each	550-88-14	Power Jumper Cable, 18 inch, video camera w/connector As Brand Name: Iteris Product #: PIGTAILN	38.00
100	Each	550-88-14	Power Take Off, Video Camera, Luminaire w/arrestor. Brand Name: Iteris Product #: LUMRPT01	167.00
101	Each	550-88-14	Connector, with 12 pins, and shell. Brand Name: Iteris Product #: DEUTSCHCONN	31.00
102	Each	550-88-14	Cable, Video coaxial, 8281, 500 foot reel. Brand Name: Belden Product #: B-8281	300.00
104	Each	550-88-14	Cable, Video camera combination power and coaxial, 500 foot reel. Brand Name: King Wire Product #: 16-03PV	397.50
105	Each	550-88-14	Cable, Video camera combination power and coaxial, 1,000 foot reel. Brand Name: King Wire Product #: 16-03PV	794.00
106	Each	550-88-14	Jumper Cable, polyphaser to radio. As Brand Name: Alcom Product #: 58UX-NMTL-72	16.86
107	Each	550-88-14	Cable, Water Proof, 3/8" radio use, 100 ft. As Brand Name: Times Product #: LMR-400DB	63.00
108	Each	550-88-14	Cable harness, RS-232 radio to controller. As Brand Name: Carrier & Gable Product #: EPAC/EPIC/RADIO	43.25
109	Each	550-88-14	Cable Harness, FSK Radio to Comm. Panel. As Brand Name: Carrier & Gable Product #: D OPTION PANEL/RADIO	43.25
110	Each	550-88-14	Traffic signal bracket only mounting assembly, 12 inch top, 3 section, 1W3C Mast Arm Mount, Astro-Brac with 46 inch gusset tube, clamp kit and vinyl insert and end cap. As Brand Name: Pelco Product #: AB1W3CMA	92.95
111	Each	550-88-14	Traffic signal bracket only mounting assembly, 12 inch top, 4 section 1W3C with 12X27 case sign, Mast Arm Mount, Astro-Brac with 58 inch gusset tube, clamp kit and vinyl insert and end cap. As Brand Name: Pelco Product #: AB1W4CCSMA	130.40

112	Each	550-88-14	Traffic signal bracket only mounting assembly, 12 inch top, 5 section (dog house) 1W5C, Mast Arm Mount, Astro-Brac with 46 inch gusset tube, clamp kit and vinyl insert and end cap. As Brand Name: Pelco Product #: AB1W5CMA	174.25
113	Each	550-88-14	Traffic signal bracket only mounting assembly, 12 inch top, 5 section (dog house) 1W5C with 12X27 case sign, Mast Arm Mount, Astro-Brac with 58 inch gusset tube, clamp kit and vinyl insert and end cap. As Brand Name: Pelco Product #: AB1W5CCSMA	179.45
114	Each	550-88-14	Traffic signal bracket and mounting assembly, 12 inch top-short, 5 section (dog house). As Brand Name: Pelco Product #: SE-5059-P29	38.25
115	Each	550-88-14	Traffic signal bracket and mounting assembly, 12 inch top-long, 5 section (dog house) unfinished . As Brand Name: Engineered Castings Product #: 2022-XL UNF	83.65
116	Each	550-88-14	Traffic signal bracket and mounting assembly, 12 inch bottom-short, 5 section (dog house). As Brand Name: Pelco Product #: SE-5060-P29	16.50
117	Each	550-88-14	Traffic Signal Bracket and mounting assembly, 12 inch bottom-short, 5 section (dog house) for use with center stud, unfinished . As Brand Name: Engineered Castings Product #: 2023UNF	23.85
118	Each	550-88-14	Traffic Signal Bracket and mounting assembly, 12 inch bottom-long, 5 section (dog house) for use with center stud, unfinished . As Brand Name: Engineered Castings Product #: 2020-XL-UNF	54.45
119	Each	550-88-14	Traffic signal bracket and mounting assembly, 12 inch T Bottom, 5 section (dog house) for use with integral spacer, unfinished . As Brand Name: Engineered Castings Product #: 2033-TEE-UNF	51.45
120	Each	550-88-14	Traffic Signal Bracket and mounting assembly, spacer bracket, 5 section (dog house). As Brand Name: Cost Cast Product #: 19812 YEL	24.85
121	Each	550-88-14	Traffic signal bracket and mounting assembly, 12 inch top and bottom, brackets only, 2WSA with center stud attachment for A6 mount. As Brand Name: Pelco Product #: SPA6MI	226.20
122	Each	550-88-14	Brackets only, 12 inch, 1W Pedestrian As Brand Name: Pelco Product #: PMPS B2M	63.55
123	Each	550-88-14	Cable Guide, for U1169 Pole Foot As Brand Name: Pelco Product #: 103-7867	3.20
124	Each	550-88-14	Pinnacle, color yellow As Brand Name: Eagle Product #: BK01	5.10

125	Each	550-88-14	Pole foot, 4" pole, black, for steel posts As Brand Name: Pelco Product #: 103-7669	7.60
126	Each	550-88-14-1001	Traffic signal Bracket and mounting assembly, 8 inch bottom, 2WSA As Brand Name: Pelco Product #: SP-1030-MI	9.80
127	Each	550-88-14-1050	Traffic Signal Bracket and Mounting assembly, 8 inch bottom 3WSA As Brand name: Pelco Product #: SP-1033-MI	16.75
128	Each	550-88-14-1100	Traffic Signal Bracket and Mounting assembly, 8 inch bottom 4WSA As Brand name: Pelco Product #: SP-1019-MI	21.75
129	Each	550-88-14-1506	Traffic Signal Bracket and Mounting assembly, 12 inch bottom 2WSA As Brand name: Pelco Product #: SP1011-MI	10.30
130	Each	550-88-14-1555	Traffic Signal Bracket and Mounting assembly, 12 inch bottom 3WSA As Brand name: Pelco Product #: SP-1014-MI	19.50
131	Each	550-88-14-1605	Traffic Signal Bracket and Mounting assembly, 12 inch bottom 4WSA As Brand name: Pelco Product #: SP-1008-MI	21.20
132	Each	550-88-14-3007	Traffic Signal Bracket and Mounting assembly, 8 inch top 2WSA As Brand name: Pelco Product #: SP-1029-MI	66.90
133	Each	550-88-14-3056	Traffic Signal Bracket and Mounting assembly, 8 inch top 3WSA As Brand name: Pelco Product #: SP-1032-MI	81.20
134	Each	550-88-14-3106	Traffic Signal Bracket and Mounting assembly, 8 inch top 4WSA As Brand name: Pelco Product #: SP-1018-MI	98.95
135	Each	550-88-14-3502	Traffic Signal Bracket and Mounting assembly, 12 inch top 2WSA As Brand name: Pelco Product #: SP-1010-MI	63.75
136	Each	550-88-14-3551	Traffic Signal Bracket and Mounting assembly, 12 inch top 3WSA As Brand name: Pelco Product #: SP-1013-MI	83.10
137	Each	550-88-14-3601	Traffic Signal Bracket and Mounting assembly, 12 inch top 4WSA As Brand name: Pelco Product #: SP-1007-Mi	101.55
138	Each	550-88-17	Splice Box, Aluminum, weather tight seal around door with mounting brackets, terminal strips and (2) neutral bussbars. As Brand Name: Mid Michigan Fabrication Product #: 73-5001	667.00
139	Each	550-88-17	Bracket, pole mounting for traffic cabinets, aluminum for banding or lag bolt mount to steel/wood poles. As Brand Name: Pelco Product #: SE-0126-ALO	10.78
140	Each	550-88-17	Hardware packet, for cabinet bracket, pole mounting for traffic cabinets, mounting to steel/wood poles. As Brand Name: Eagle Product #: MICH/POLE/PLT/HDWR.A0051	4.05

141	Each	550-88-17	Cabinet, traffic signal controller, 24 circuit det; M36 plastic door, gray det; cabinet does not include plug-ins. As Brand Name: Eagle Product #: M36EPICM2124CKT	4262.50
142	Each	550-88-17	Cabinet, traffic signal controller, 36 circuit det., M36 plastic door gray det, cabinet does not include plug ins. As Brand Name: Eagle Product #: M36EPICM0136CKT	5193.75
143	Each	550-88-17	Cabinet, traffic signal, NEMA-6 Size, paint gray outside and white inside with 16 load bay and 18 channel monitor. As Brand Name: Eagle Product #: TF-40161M101	6321.40
144	Each	550-88-17	Conflict monitor, 18 channel As Brand Name: EDI, Inc. Product #: SSM-18L	1603.00
145	Each	550-88-17	Cabinet, 16 load switch control, complete with new arrestor, power panel and field terminals, painted inside and out, base mount P-cabinet, with rack. As Brand Name: Eagle Product #: TF-4016-TM101	10285.00
146	Each	550-88-17	Traffic controller, no display, VME Buss or software. As Brand Name: Eagle 2070L Product #: AAZ14068P012	3218.75
147	Each	550-88-17	ASYNC Serial Comm Module, EIA 232, for direct connect As Brand Name: Eagle 2070-7A Product #: AAD13982P001	337.50
148	Each	550-88-17	Module, EIA-485 As Brand Name: Eagle 2070-7B Product #: AAD13929P001	350.00
149	Each	550-88-17	Field Input/Output module, old messages As Brand Name: Eagle 2070-2 Product #: AAD14081P1001	993.75
150	Each	550-88-17	Transition Assembly As Brand Name: Eagle 2070-1 TB Product #: AAD11947P002	231.25
151	Each	550-88-17	CPU Assembly As Brand Name: Eagle 2070-1 MCB VME Product #: AAD13981P001	781.25
152	Each	550-88-17	Power supply, 2070 standard As Brand Name: Eagle 2070-4 Product #: AAD11944P001	556.25
153	Each	550-88-17	Front panel, blank with C60 computer connector, no LCD Display, No Keyboard. As Brand Name: Eagle Product #: AAD14172P003	218.75
154	Each	550-88-17	Cabinet, to include: flash transfer relay, (2) SHA-1250 surge arrestors, 206C power supply, 208 current monitor, ODA #3, and (3) load switches. As Brand Name: Eagle 334C Product #: EL3/ITS	9525.00

155	Each	550-88-17	Input File Assembly As Brand Name: Eagle Product #: 8030-102224	625.00
156	Each	550-88-17	Communications panel As Brand Name: Eagle Product #: 332-1012.1	87.50
157	Each	550-88-17	Drawer Assembly As Brand Name: Eagle Product #: D400-4	125.00
158	Each	550-88-17	Cabinet, to include: flash transfer relay, (2) SHA-1250 surge arrestors, 206C power supply, 208 current monitor, ODA #3 and (3) load switches. As Brand Name: Eagle 336C Product #: EL3/ITS	8100.00
159	Each	550-88-17	Drawer Assembly As Brand Name: Eagle Product #: D400-1	125.00
160	Each	550-88-17-1008	Cabinet, NEMA type enclosure, aluminum, 14 inch width x 16 inch height x 12 inch depth. As Brand Name: Mid Michigan Fabricators Product #: SM161412	398.00
161	Each	550-88-33	Flasher Assembly, NEMA Assembly to include the flasher panel and circuit breakers in an EL240 flasher cabinet. (Must still add NEMA flasher for complete assembly). As Brand Name: Temple Product #: EP100MDOT	297.00
162	Each	550-88-33	Flasher, 2 circuit, DC Voltage As Brand Name: RTC Product #: DCF2	92.85
163	Each	550-88-33	Flasher, traffic signal, 2 circuit, cap type, green, MOV As Brand Name: Traffic Sensor Corp. Product #: CF-2F	49.00
164	Each	550-88-33-5009	Flasher, traffic signal, solid state, NEMA type 1, flashers shall be designed for use in automobile traffic signal controllers in accordance with current NEMA standard and FHWA standards, using the latest technologies, each flashing circuit shall contain zero voltage switching, A 25 ampere power triac, A snubber, A light emitting diode across the A.C. circuitry directly indicating the A.C. load activated and A metal oxide varistor (MOV). As Brand Name: TSC Product #: 204-15	37.00
165	Each	550-88-50-1501	Louvers, traffic signal, 12 inch, 24 degree, aluminum, for 12 inch poly traffic signal head. As Brand Name: National Sign & Signal Product #: RL27	51.25
166	Each	550-88-50-1550	Louvers, traffic signal, 12 inch, geometrically programmed, for 12 inch poly traffic signal head. As Brand Name: Pelco Product #: G1-1012	167.40
167	Each	550-88-56	Bracket, Universal camera mount, SOP or camera arm mountable. As Brand Name: Iteris Product #: CAMBRKT4	114.00

168	Each	550-88-56	Bracket, Mast arm camera mount, includes camera mount bracket, 74 inch gusset tube and astro-brac clamp kit. As Brand Name: Pelco Product #: 103/9150	124.00
169	Each	550-88-56	Antenna Mounting Kit, Mast arm mount. As Brand Name: Pelco Product #: Radio Mast	42.78
170	Each	550-88-56	Antenna Mounting Kit, Side of pole mount. As Brand name: Pelco Product #: 103-Radio SOP	42.78
171	Each	550-88-56	Traffic signal mast arm, steel, clamp on, 30 foot length, with end cap, clamp plate and clamp bolts. Per 1994 AASHTO Standards. As Brand Name: Pelco Product #: SMARMGVHH-300	1168.75
172	Each	550-88-56	Traffic signal mast arm, steel, clamp on, 40 foot length, with end cap, clamp plate and clamp bolts. Per 1994 AASHTO Standards. As Brand Name: Union Metal Product #: SMARMGVHH-400	1698.75
173	Each	550-88-56	Traffic Signal Mast Arm, steel, clamp on, 50 foot length, with end cap, clamp plate and clamp bolts. Per 1994 AASHTO Standards. As Brand Name: Union Metal Product #: SMARMGVHH-500	2027.65
174	Each	550-88-56	Truss arm, 18 foot for steel pole, w/U-bolts, galvanized steel. As Brand Name: Utility Metals Product #: C200S180SBX	397.58
175	Each	550-88-56	Truss Arm, 15 foot for steel pole, w/U-bolts, galvanized steel. As Brand Name: Utility Metals Product #: C200S150SBX	336.16
176	Each	550-88-56	Truss Arm, 12 foot for steel pole, w/U-bolts, galvanized steel. As Brand Name: Utility metals Product #: C200S120SBX	268.95
177	Each	550-88-56	Truss Arm, 9 foot for steel pole, w/U-bolts, galvanized steel. As Brand Name: Utility metals Product #: C200S090SBX	252.84
178	Each	550-88-56	Truss Arm, 6 foot for steel pole, w/U-bolts, galvanized steel. As Brand Name: Utility Metals Product #: C200S060SBX	238.21
179	Each	550-88-56	Truss Arm, 18 foot for wood pole, galvanized steel. As Brand Name: Utility Metals Product #: C200S180SBX	363.95
180	Each	550-88-56	Truss Arm, 15 foot for wood pole, galvanized steel. As Brand Name: Utility Metals Product #: C200S180SBX	314.21
181	Each	550-88-56	Truss Arm, 12 foot for wood pole, galvanized steel. As Brand Name: Utility Metals Product #: C200S180SBX	245.58
182	Each	550-88-56	Truss Arm, 9 foot for wood pole, Galvanized steel. As Brand Name: Utility Metals Product #: C200S180SBX	230.95
183	Each	550-88-56	Truss Arm, 6 foot for wood pole, galvanized steel. As Brand Name: Utility Metals Product #: C200S180SBX	214.84

184	Each	550-88-56	Flange, for pole mounting cabinet to 4.5 inch pole, 2-bolt. As Brand Name: Pelco Product #: SE-0425	10.40
185	Each	550-88-56	Applicator Gun, for ply pack 3M Loop Sealant As Brand Name: 3M Product #: 151-1005	139.00
186	Each	550-88-56	Applicator Gun, for ply pack, 3M loop sealant As Brand Name: Albion Product #: 173-1006	171.25
187	Each	550-88-56-0796	Pedestrian signal Bracket Assembly, post top, 4 inch mounting with 1.5 hub. As Brand Name: Pelco Product #: SP-2008-MI, SE-3064	42.40
188	Each	550-88-56-0804	Pedestrian signal bracket set, consisting of 1 upper arm and 1 lower arm for 12 inch signals, 1W2C BA As Brand Name: Pelco Product #: SP-1020-MI, SP-1002-MI	49.75
189	Each	550-88-56-0812	Pedestrian signal bracket set, consisting of 1 upper arm and 1 lower arm for 12 inch signals, 2W2C As Brand Name: Pelco Product #: SP-1023-MI, SP-1024-MI	102.70
190	Each	550-88-56-0820	Pedestrian signal bracket set, consisting of 1 upper arm and 2 lower arms for 12 inch signals, 2W2C D2M As Brand Name: Pelco Product #: SP-1035-MI, SP-1020-MI	114.50
191	Each	550-88-56-0838	Pedestrian signal bracket set, consisting of 1 upper arm and 1 lower arm for 12 inch signals, 2W2C TBA Brand Name: Pelco Product #: SP-1004-MI	117.15
192	Each	550-88-56-1406	Clamp, cable, suspension, replacement part (do not substitute). As Brand Name: Eagle Product #: KA6-3	16.25
193	Each	550-88-56-1505	Fittings, Entrance, multi-way, replacement part (do not substitute). As Brand Name: Eagle Product #: BK140-10A	38.62
194	Each	550-88-56-1521	Fitting, entrance, one way As Brand Name: Eagle Product #: BK130-10AY	35.39
195	Each	550-88-56-1554	Flange, for pole mounting, 1.5 inch horizontal threaded hub and downward, 1.25 inch threaded hub for wire entrance or conduit, cast aluminum, for use with 1 inch to .75 inch steel bands, flat black or bright green. As Brand Name: Eagle Product #: U1158	13.49
196	Each	550-88-56-4509	Mounting strap, wood pole, with lag screws, bolts and nuts (to fit all sizes of wooden poles). Brand Name: Eagle Product #: UL23	23.30
198	Each	550-88-76-2004	Pedestrian Signal, incandescent type, polycarbonate, 1W2C 12" As Brand Name: Eagle Product #: SA302BMICH	138.75

199	Each	550-88-78	Vehicular traffic signal, polycarbonate, 12 inch, 1W1C, Amber, 12 volt DC LED As Brand Name: Eagle Product #:	218.25
200	Each	550-88-78	Vehicular traffic signal, 12 inch, 1W1C, Amber, 12 volt DC LED Insert Module As Brand Name: Dialight Product #: 4313230005	158.08
201	Each	550-88-78-1004	Vehicular traffic signal, polycarbonate, 8 inch, 1W1C, in the following colors: 50% Amber, 50% Red 191. As Brand Name: Eagle Product #: SA110A/BMICH	45.00
202	Each	550-88-78-1251	Vehicular traffic signal, polycarbonate, 8 inch, 1W3C, Green, Amber, Red #191 As Brand name: Eagle Product #: SA130AMICH	102.00
203	Each	550-88-78-1509	Vehicular traffic signal, polycarbonate, 12 inch, 1W1C, in the following colors: 50% Amber, 50% Red #191 As Brand Name: Eagle Product #: SA101A/BMICH	56.25
204	Each	550-88-78-1558	Vehicular traffic signal, polycarbonate, 12 inch, 1W3C, Green, Amber, Red #191. Brand Name: Eagle Product #: SA103AMICH	129.90
205	Each	550-88-80	Signals, vehicular, aluminum, 12 inch, yellow body, 1W3C, electronic steerable beam LED with Black tunnel visor. As Brand Name: Intelight Product #: ESB3022LCGB	1735.00
206	Each	550-88-80	Signal visor, tunnel style, vehicular, polycarbonate, 12 inch, Yellow. As Brand Name: Eagle Product #: A70012004	10.58
207	Each	550-88-80	Signal visor, tunnel style, pedestrian, polycarbonate, 12 inch, Black. As Brand Name: Eagle Product #: PDM538	11.30
208	Each	550-88-80-1000	Signals, vehicular, aluminum, 12 inch, Yellow body, 1W1C, Amber lens, tunnel visor attached. Brand Name: Eagle Product #: SIG101B	78.00
209	Each	550-88-80-1109	Signals, vehicular, aluminum, 12 inch, Yellow body , 1W1C, Red lens, tunnel visor attached. Brand Name: Eagle Product #: SIG101A	78.00
210	Each	550-88-80-1158	Signals, Vehicular, aluminum, 12 inch, Yellow body, 1W3C, Red, Amber, Green lens, tunnel visor attached. Brand Name: Eagle Product #: SIG103A	205.00
214	Each	550-88-92	Radio Receiver School Zone Kit w/1-10 DB Yagi Antenna; power cube; SOP bracket for steel or wood; RF jumper cable; 3/8" cable connectors; 3/8' water tight radio cable; polyphaser surge protection; radio. As Brand Name: ENCOM Product #: Compac I/08/Yagi	2493.10

215	Each	550-88-92	Radio Transceiver, FSK with RS-232 & RS-485 Capable; spread spectrum unlicensed frequencies. As Brand Name: Encom Product #: 150/5100	2142.85
216	Each	550-88-92	Radio Transceiver, RS-232 & RS-485 capable; spread spectrum unlicensed frequencies. As Brand Name: Encom Product #: 150/5200	1250.00
218	Each	550-88-92-1006	Receiver, tone, Decoder, School, 565 HZ As Brand Name: IDC Product #: TR-2500	413.00
219	Each	550-88-93	Radio Xmitter School Zone Kit w/1 – 3 DB OMNI Antenna; power cube; SOP bracket for steel or wood; RF Jumper cable; 3/8" cable connectors; 3/8" water tight radio cable; polyphaser surge protection; radio As Brand Name: ENCOM Product #: I/08 OMNI	2242.90
220	Each	550-88-93	Radio Transceiver , contact closure, 8 inputs, spread spectrum unlicensed frequencies. As Brand Name: ENCOM Product #: COMMPAK I/08	1895.00
221	Each	550-88-93	Radio Secondary MDL 5100 with 10DB Yagi antenna, FSK cable, power cube, jumper cable, polyphaser, antenna cable, cable connectors, mounting brackets. As Brand Name: Eagle Product #: 150-5100	2540.95
222	Each	550-88-93	Radio Secondary MDL 5200 with 10DB Yagi Antenna, RS-232 Cable, Power Supply, jumper cable, polyphaser, antenna cable, cable connectors, mounting brackets, 2 nd RS-232 "D" module for controller. As Brand Name: Eagle Product #: 150/5200	1903.35
223	Each	550-88-93	Paging time clock reset circuit software: CPRII software, used in conjunction with a dedicated computer and an outside line, for dialing up the paging system and broadcasting time sync page to all the local units that would be mounted in the controller cabinet. As Brand Name: RTC Manufacturing Product #: CPRIII software	1695.75
224	Each	550-88-93	Paging time clock reset circuit verify unit: Used in Conjunction with the software and a dedicated computer with an outside line. This unit is responsible for verifying that the pages have been sent. As Brand Name: RTC Manufacturing Product #: CPR3102 Verify Unit	719.95
225	Each	550-88-93	Paging time clock reset circuit field device: CPRII pager time clock with antenna, which is mounted in the traffic controller cabinet, is to provide once a week resetting of the controllers time clock. As Brand Name: RTC manufacturing Product #: CPR3102 Field Unit	719.95
226	Each	550-88-93	Paging time clock reset circuit pager service: A once a year fee for pager service for the paging time clock reset circuit. As Brand Name: RTC manufacturing Product #: YPS365	480.00

227	Each	550-88-93-1005	Transmitter, tone, encoder, school, 565 HZ As Brand Name: IDC Product #: TT-2500	393.00
228	Each	550-89-62-1605	Cover, H.D., 23.3" x 13" x 2", logo shall be traffic signal, color gray. As Brand Name: Quazite Product #: PG1324 T.S.	94.55
229	Each	550-89-62-1654	Cover, H.D. 30.2A x 17.2A x 2 inch, Logo to be traffic signal, color gray. As Brand Name: Quazite Product #: PG1730 T.S.	108.50
230	Each	550-89-62-7602	Socket casting, NEMA, for use with NEMA flashers. As Brand Name: Traffic Sensor Corp. Product #: 124-1003	16.46
231	Each	550-91-55	Arrestor, 120 Volt AC, Pluggable, for use in cabinet main power panel. As Brand Name: Atlantic Scientific Product #: AONEIT	123.20
232	Each	550-91-55	Base mount, for pluggable arrestor, 120 volt AC, for use in cabinet main power panel. As Brand Name: Atlantic Scientific Product #: ZONEIT-BASE	23.50
233	Each	550-91-55-0404	Arrestor, loop surge, for use on vehicle loop detector lead-ins. As Brand Name: EDCO Product #: SRA6LCA916	12.88
234	Each	550-91-55-7508	Detector Loop Sealant, 1 part, approximately 1 liter per ply pack, 12 ply packs per case. As Brand Name: 3M Product # 78-8095-4063-2	181.50
235	Each	550-91-55-7508	Detector Loop Sealant, 1 part, approximately 5 gallons per pail. As Brand Name: 3M Product #: 78-8072-0724-2	165.40
236	Each	550-91-60	Loop Detector, Digital, single channel, with harness, shelf mount. As Brand Name: EDI Product #: LM301T	147.10
237	Each	550-96-52-0501	Arrow Mask, black aluminum, for use w/12 inch poly lens. As Brand Name: Eagle Product #: PBL286	10.23
238	Each	550-88-56	Traffic Signal Mast Arm, Steel, clamp on, 40' length with end caps, clamp plate, and clamp bolts. Per 2001 AASHTO Standards. As Brand Name: Union Metal Product #: 50303-B156-Y7	8226.00
239	Each	550-88-56	Traffic Signal Mast Arm, Steel, clamp on, 50' length with end caps, clamp plate, and clamp bolts. Per 2001 AASHTO Standards. As Brand Name: Union Metal Product #: 50303-B156-Y9	9293.00
240	Each	550-88-56	Traffic Signal Mast Arm, Steel, clamp on, 30' length with end caps, clamp plate, and clamp bolts. Per 2001 AASHTO Standards. As Brand Name: Union Metal Product #: 50303-B156-Y5	7793.00

241	Each	550-88-56	Traffic Signal Mast Arm, Steel, clamp on, 45' length with end cap, clamps and bolts. Per 2001 AASHTO Standards. As Brand Name: Union Metal Product #: 50303-B156-Y8	8933.00
242	Each	550-88-56	Traffic Signal Mast Arm Standard, Steel, 23' with top cap, hand holes and covers. As Brand Name: Union Metal Product #: 50303-B156-Y1	6665.00
243	Each	550-88-56	Traffic Signal Mast Arm Standard, Steel, 29' with top cap, hand holes and covers. As Brand Name: Union Metal Product #: 50303-B156-Y2	6873.00
244	Each	550-85-69	Anchor Bolt, mast arm foundation, 2.00 inch diameter x 192 inch x 6 inch. Set of four (4) bolts with two (2) nuts and two (2) washers each. As Brand Name: AA Anchor bolt Product #: 2X192X6MA	920.00
245	Each	550-85-69	Anchor Bolt, mast arm foundation, 2.00 inch diameter x 159 inch x 6 inch. Set of four (4) bolts with two (2) nuts and two (2) washers each. As Brand Name: AA Anchor bolt Product #: 2X159X6MA	828.00
246	Each	550-85-69	Anchor Bolt, mast arm foundation, 2.00 inch diameter x 219 inch x 6 inch. Set of four (4) bolts with two (2) nuts and two (2) washers each. As Brand Name: AA Anchor bolt Product #: 2X219X6MA	1020.00
247	Each	550-85-69	Anchor Bolt, mast arm foundation, 2.00 inch diameter x 183 inch x 6 inch. Set of four (4) bolts with two (2) nuts and two (2) washers each. As Brand Name: AA Anchor bolt Product #: 2X183X6MA	900.00
248	Each	550-88-78	LED Signal in Housing. Signal, Poly, 12", Red LED As Brand Name: Dialight Product #: 101-4810XL	89.16
249	Each	550-88-78	LED Signal in Housing. Signal, Poly, 12", Yellow LED As Brand Name: Dialight Product #: 101-4821XL	166.71
250	Each	550-88-78	LED Signal in Housing. Signal, Poly, 12", Green LED As Brand Name: Dialight Product #: 101-4830XL	138.92
251	Each	550-88-78	LED Signal in Housing. Signal, Poly, 12", Red, Yellow, Green LED As Brand Name: Dialight Product #: 101-4802XL	379.55
252	Each	550-88-78	LED Signal in Housing. Signal, Poly, 12", Red, Amber Arrow, Green Arrow LED As Brand Name: Dialight Product #: 101-4803XL	356.55
253	Each	550-88-78	LED Signal in Housing. Signal, Poly, 12", Yellow, Green, LED As Brand Name: Dialight Product #: 101-4849XL	299.27

254	Each	550-88-78	LED Signal in Housing. Signal, Poly, 12", Yellow Arrow, Green Arrow, LED As Brand Name: Dialight Product #: 101-4852XL	208.86
255	Each	550-88-78	LED Signal in Housing. Signal, Alum., 12", Red LED As Brand Name: Dialight Product #: 101-4851XL	110.69
256	Each	550-88-78	LED Signal in Housing. Signal, Poly, 12", Green Arrow, Left, LED As Brand Name: Dialight Product #: 101-4890XL	122.56
257	Each	550-88-78	LED Signal in Housing. Signal, Poly, 12", Green Arrow, Right, LED As Brand Name: Dialight Product #: 101-4892XL	122.56
258	Each	550-88-78	LED Signal in Housing. Signal, Aluminum, 12", Yellow LED As Brand Name: Dialight Product #: 101-4857XL	200.00
259	Each	550-88-78	LED Signal in Housing. Signal, Aluminum, 12", Red/Yellow/Green LED As Brand Name: Dialight Product #: 101-4855XL	451.25
260	Each	550-88-78	LED Signal in Housing. Signal, Poly, 12", Pedestrian LED, Hand/Man Filled As Brand Name: Dialight Product #: 101-6801XL	154.12
261	Each	550-88-78	LED 12" Red Insert As Brand Name: Dialight Product #: 132-1000XL	52.65
262	Each	550-88-78	LED 12" Yellow Insert As Brand Name: Dialight Product #: 132-2000XL	135.00
263	Each	550-88-78	LED 12" Green Insert As Brand Name: Dialight Product #: 132-3000XL	105.50
264	Each	550-88-78	Signal, Red 12" LED (Door/Visor) As Brand Name: Dialight Product #: 101-4860XL	80.00
265	Each	550-88-78	Signal, Yellow 12" LED (Door/Visor) As Brand Name: Dialight Product #: 101-4861XL	170.70
266	Each	550-88-78	Signal, Green 12" LED (Door/Visor) As Brand Name: Dialight Product #: 101-4862XL	133.35
267	Each	550-88-78	LED 12" Red Arrow As Brand Name: Dialight Product #: 132-1002XL	76.25
268	Each	550-88-78	LED 12" Yellow Arrow As Brand name: Dialight Product #: 132-2002XL	56.35

269	Each	550-88-78	LED 12" Green Arrow Insert As Brand Name: Dialight Product #: 132-3002XL	88.10
270	Each	550-88-78	Filled LED 12" Pedestrian Hand/Man Insert As Brand Name: Dialight Product #: 132-6007XL	113.75
271	Each	550-88-78	Pedestrian signal, 16" LED Countdown, Filled, polycarbonate As Brand Name: Dialight Product #: 101-6815XL	408.00
272	Each	550-88-78	Bracket, 16", 2-way straight arm, black, (Requires 2 each per signal), aluminum As Brand Name: Pelco Product #: 103-7640	106.00

New Items Added to Contract, under Chg. #6

273	Each	550-88-78	LED Signal in housing. Signal Poly 12", Red Arrow, Yellow Arrow, Yellow Arrow, Green Arrow. As Brand Name: Dialight Product #: 101-4805XL	528.00
274	Each	550-81-30	GPS Sensor Housed in outdoor enclosure with interface panel, 12 channel receiver, RS-232 Output to interface with Siemens/Eagle Traffic Signal Controllers. As Brand Name: Garmin Product #: 92-1000	180.00
275	Each	550-81-30	UPS and Power conditioner, power interface module, electronics module and battery system. As Brand Name: Clary Product #: 191-SP1000SN	5310.00
276	Each	550-81-30	PIM – Power Interface Module. As Brand Name: Clary Product #: PIM 30C	430.00
277	Each	550-81-30	Power Interface Module with Generator Plug and GFI Receptacle. As Brand Name: Clary Product #: PIM 30-GR	680.00
278	Each	550-81-30	Electronics Module for UPS and Power Conditioner. As Brand Name: Clary Product #: SP1000SN	3540.00
279	Each	550-81-30	UPS Batteries Set of Six (6) As Brand Name: Clary Product #: OP72C-41	1350.00
280	Each	550-81-30	UPS Battery Cable, 6 Batteries. As Brand Name: Clary Product #: SP14E103	250.00

281	Each	550-88-17	UPS Cabinet with Fan, 2 Shelves. As Brand Name: Siemens Product #: 101-2403	1862.00
282	Each	550-81-30	School Zone Solar Powered Single Flashing Beacon. Assembly with time base control and radio activated. Pedestal or side of pole mount. As Brand Name: Carmanah Product #: R829CR	3709.00
283	Each	550-81-30	School Zone Solar Powered Dual Flashing Beacon. Assembly with time base control and radio activated. Pedestal or side of pole mount. As Brand Name: Carmanah Product #: R829R	4309.00
284	Each	550-81-51	Monitor, Traffic controller, signal sequence, 12 channel, smart monitor, NEMA TS2, Conflict/voltage, LCD Display. As Brand Name: EDI Product #: MMU16LE-SM	753.00
285	Each	550-85-47	Shaft, Traffic Signal Pedestal, Pedestrian Support, 10 foot extruded aluminum pole (shaft). As Brand Name: Pelco Product #: PBS100-10	160.00
286	Each	550-85-69	Reinforcing collar, aluminum octagonal base and shaft reinforcing collar. As Brand Name: Pelco Product #: P B-5326-ALO	72.00
287	Each	550-81-34	Flasher panel for NEMA flasher. As Brand Name: Temple Product #: EP160	173.00
288	Each	550-88-14	Pole Foot, Cast Iron, Wood Pole Mount, Yellow or Black. As Brand name: Pelco Product #: SE-4080	35.00
289	Each	550-81-30	Audible Pedestrian Pushbutton. Central unit, 2 wire, for audible pedestrian pushbutton to support (12) pushbuttons. As Brand Name: Polara Product #: CCU-2 Wire	2650.00
290	Each	550-81-30	Audible Pedestrian Pushbutton. Integrated Arrow, Voice Message, Tactile Feedback, Braille, with sign. As Brand Name: Polara Product #: N29BNO	471.00
291	Each	550-81-30	Audible Pedestrian Pushbutton and CCU wireless Programming Device. As Brand name: Polara Product #: Config.	390.00

292	Each	550-81-30	School Zone, Yellow 12" Beacon, D.C. As Brand Name: Carmanah Product #: 47553	216.00
293	Each	550-81-30	School Zone, 1 Watt Solar Engine, Single Beacon. As Brand Name: Carmanah Product #: 48812	1893.00
294	Each	550-81-30	School Zone, 20 Watt Solar Engine, Dual Beacon. As Brand Name: Carmanah Product #: 53164	2893.00
295	Each	550-81-30	School Zone, EMS-2 Controller Assembly, 6 amp without radio. As Brand Name: Carmanah Product #: 46319	605.00
296	Each	550-81-30	School Zone, Battery, 12 volt, 17.2 amp. As Brand Name: Carmanah Product #: 37912	116.00
297	Each	550-91-55	Wireless Inpavement Vehicle Sensor Node. As Brand Name: Sensys Product #: VSN240-F	568.00
298	Each	550-91-55	Wireless Vehicle Sensor Access Point Device with RS-485 option. As Brand Name: Sensys Product #: AP240-ES	2035.00
299	Each	550-91-55	Wireless Vehicle Sensor Repeater Device. As Brand Name: Sensys Product #: RP240-E	955.00
300	Each	550-91-55	Wireless Vehicle Sensor Master Interface Board (TS-1) with 4 detector inputs. As Brand Name: Sensys Product #: CC-170	607.00
301	Each	550-91-55	Wireless Vehicle Sensor Master Interface Board (TS-2) with 4 detector inputs. As Brand Name: Sensys Product #: CC-TS2	800.00
302	Each	550-91-55	Wireless Vehicle Sensor Extension Board for additional 4 detector inputs for TS-1 controller. As Brand Name: Sensys Product #: EX-TS1	365.00
303	Each	550-91-55	Wireless Vehicle Sensor Extension Board for additional 4 detector inputs for TS-2 controller. As Brand Name: Sensys Product #: EX-TS2	450.00

304	Each	550-91-55	Wireless Vehicle Sensor Access Device with RS-485 and cellular modem option. As Brand Name: Sensys Product #: AP240-ESG	470.00
305	Each	550-91-55	Wireless vehicle sensor access device power supply. As Brand Name: Sensys Product #: AP240-E1EG1EGG	185.00
306	Each	550-91-55	Wireless vehicle sensor repeater replacement battery pack (3-cells). As Brand Name: Sensys Product #: RP230-B Battery pack	92.00
307	Each	550-91-55	Wireless vehicle sensor access box for programming access point device. As Brand Name: Sensys Product #: Access Box	151.00
308	Each	550-91-55	Wireless vehicle sensor mounting bracket for access point device. As Brand name: Sensys Product #: AP240-ES Mounting bracket	185.00
309	Each	550-91-55	Wireless vehicle sensor mounting bracket for repeater device. As Brand Name: Sensys Product #: RP240-B Mounting Bracket	185.00
310	Each	550-91-55	Wireless vehicle sensor epoxy for sensor node. As Brand Name: Sensys Product #: VSN240-F Epoxy Table	86.00
313	Each	550-88-56	Traffic signal mast arm, steel, clamp on, 40' length with end caps, clamp plate, and clamp bolts. Per 2001 AASHTO Cat. III Standards. As Brand Name: Union Metal Product #: 50303-B169-Y7	3373.00
314	Each	550-88-56	Traffic signal mast arm, steel, clamp on, 50' length with end caps, clamp plate, and clamp bolts. Per 2001 AASHTO Cat. III Standards. As Brand Name: Union Metal Product #: 50303-B169-Y9	4087.00
315	Each	550-88-56	Traffic signal mast arm, steel, clamp on, 30' length with end caps, clamp plate, and clamp bolts. Per 2001 AASHTO Cat. III Standards. As Brand Name: Union Metal Product #: 50303-B169-Y5	2660.00

316	Each	550-88-56	Traffic signal mast arm, steel, clamp on, 45' length with end caps, clamp plate, and clamp bolts. Per 2001 AASHTO Cat. III Standards. As Brand Name: Union Metal Product #: 50303-B169-Y8	4073.00
317	Each	550-88-56	Traffic signal mast arm standard, steel, 21' with top cap, hand holes and covers. Per 2001 AASHTO Cat. III Standards. As Brand Name: Union Metal Product #: 50303-B169-Y1	3013.00
318	Each	550-88-56	Traffic signal mast arm standard, steel, 30' with top cap, hand holes and covers. Per 2001 AASHTO Cat. III Standards. As Brand Name: Union Metal Product #: 50303-B169-Y2	3267.00
319	Each	550-88-56	Traffic signal mast arm, steel, clamp on, 40' length with end caps, clamp plate and clamp bolts. Per 2001 AASHTO Cat. II Standards. As Brand Name: Union Metal Product #: 50303-B168-Y12	6282.00
320	Each	550-88-56	Traffic signal mast arm, steel, clamp on, 50' length with end caps, clamp plate and clamp bolts. Per 2001 AASHTO Cat. II Standards. As Brand Name: Union Metal Product #: 50303-B168-Y14	7435.00
321	Each	550-88-56	Traffic signal mast arm, steel, clamp on, 30' length with end caps, clamp plate and clamp bolts. Per 2001 AASHTO Cat. II Standards. As Brand Name: Union Metal Product #: 50303-B168-Y10	5845.00
322	Each	550-88-56	Traffic signal mast arm, steel, clamp on, 45' length with end caps, clamp plate and clamp bolts. Per 2001 AASHTO Cat. II Standards. As Brand Name: Union Metal Product #: 50303-B168-Y13	6967.00
323	Each	550-88-56	Traffic signal mast arm standard, steel, 22' with top cap, hand holes and covers. Per 2001 AASHTO Cat. II Standards. As Brand Name: Union Metal Product #: 50303-B168-Y3	4999.00
324	Each	550-88-56	Traffic signal mast arm standard, steel, 30' with top cap, hand holes and covers. Per 2001 AASHTO Cat. II Standards. As Brand Name: Union Metal Product #: 50303-B16-Y7	5293.00

325	Each	550-88-67	Case Sign, Internally Illuminated LED, 12X27 1 way Brand Name: NSS Product#: 1W12X27LED	712.00
326	Each	550-88-67	Case Sign, Internally Illuminated LED, 12X27 4 way Brand Name: NSS Product#: 4W12X27LED	1764.00
327	Each	550-88-67	Case Sign, Internally Illuminated LED, 24X30 1 way Brand Name: NSS Product#: 1W24X30LED	1178.00
328	Each	550-88-67	Case Sign, Internally Illuminated LED, 24X30 2 way Brand Name: NSS Product#: 2W24X30LED	1587.00
329	Each	550-88-67	Case Sign, Internally Illuminated LED, 24X30 4 way Brand Name: NSS Product#: 4W24X30LED	2264.00
330	Each	550-88-67	Case Sign, Reflective Sheeting, 24X30 1 way Brand Name: NSS Product#: 1W24X30REF	833.00
331	Each	550-88-67	Case Sign, Reflective Sheeting, 24X30 2 way Brand Name: NSS Product#: 2W24X30REF	847.00
332	Each	550-88-67	Case Sign, Reflective Sheeting, 24X30 4 way Brand Name: NSS Product#: 4W24X30REF	945.00
333	Each	550-88-67	Case Sign, Reflective Sheeting, 12X27 1 way Brand Name: NSS Product#: 1W12X27REF	440.00
334	Each	550-88-67	Case Sign, Reflective Sheeting, 12X27 4 way Brand Name: NSS Product#: 4W12X27REF	981.00

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 PURCHASING OPERATIONS
 P.O. BOX 30026, LANSING, MI 48909
 OR
 530 W. ALLEGAN, LANSING, MI 48933

October 11, 2007

CHANGE NOTICE NO. 5
TO
CONTRACT NO. 071B3001025
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF VENDOR Carrier & Gable, Inc. 24110 Research Drive Farmington Hills, MI 48335	TELEPHONE Frank Carrier (810) 477-8700
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 241-2005 Lisa Morrison
Contract Compliance Inspector: Rick Dolan Traffic Signal Devices and Parts – MI Department of Transportation	
CONTRACT PERIOD: From: October 1, 2002 To: September 30, 2007	
TERMS Net	SHIPMENT 120 Days ARO
F.O.B. Delivered	SHIPPED FROM Farmington Hills, MI
MINIMUM DELIVERY REQUIREMENTS None	

NATURE OF CHANGE(S):

Effective immediately this Contract is hereby EXTENDED from September 30, 2007 until December 31, 2007 so that it can be competitively rebid.

All other terms and conditions, pricing and specifications remain unchanged.

AUTHORITY/REASON:

Per agency contact Rick Dolan and DMB Purchasing Operations approval.

TOTAL ESTIMATED CONTRACT VALUE REMAINS: \$3,962,016.35

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 PURCHASING OPERATIONS
 P.O. BOX 30026, LANSING, MI 48909
 OR
 530 W. ALLEGAN, LANSING, MI 48933

January 10, 2007

CHANGE NOTICE NO. 4
TO
CONTRACT NO. 071B3001025
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF VENDOR Carrier & Gable, Inc. 24110 Research Drive Farmington Hills, MI 48335	TELEPHONE Frank Carrier (810) 477-8700
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 241-2005 Lisa Morrison
Contract Compliance Inspector: Rick Dolan Traffic Signal Devices and Parts – MI Department of Transportation	
CONTRACT PERIOD: From: October 1, 2002 To: September 30, 2007	
TERMS <p style="text-align: center;">Net</p>	SHIPMENT <p style="text-align: center;">120 Days ARO</p>
F.O.B. <p style="text-align: center;">Delivered</p>	SHIPPED FROM <p style="text-align: center;">Farmington Hills, MI</p>
MINIMUM DELIVERY REQUIREMENTS <p style="text-align: center;">None</p>	

NATURE OF CHANGE(S):

Effective immediately line items 24 and 25 are added to this Contract. Please refer to updated specifications which are attached to this Change Notice.

All other terms and conditions, pricing and specifications remain unchanged.

Please Note: The buyer has been changed to Lisa Morrison.

AUTHORITY/REASON:

Per Vendor request (Frank Carrier) dated September 1, 2006. Agency contact Rick Dolan and DMB Purchasing Operations approval.

TOTAL ESTIMATED CONTRACT VALUE REMAINS: \$3,962,016.35

PRICING PAGE**TRAFFIC SIGNAL DEVICES AND COMPONENTS****Contract No. 071B3001025**

Contract No. 071B3001025
Change Notice #4
January 8, 2007

The following items have been added to this contract. Please see the attached specifications.

24.	271	550-88-78	EA	Pedestrian Signal 16" LED Countdown, CD filled, aluminum Brand Name: Dialight Product #: 430-649-803	\$408.00
25.	272	550-88-78	PAIR	Bracket, 16", 2-way Straight Arm, Black, (Requires 2 each per signal) aluminum Brand Name: Pelco Product #: ST-1092-MI-BLK	\$106.00

All other prices, specifications, terms and conditions remain the same.

MICHIGAN
DEPARTMENT OF TRANSPORTATIONSPECIAL PROVISION
FOR
LIGHT EMITTING DIODE (LED) COUNTDOWN PEDESTRIAN TRAFFIC SIGNALS

T&S:DJA

3 of 7

C&T:APPR:JJG:JKG:06-30-06

a. Description. Furnish all labor, equipment, and material to install Light Emitting Diode (LED) Countdown Pedestrian Traffic Signals in a traffic signal installation. The LED Countdown Modules must meet the Interim Institute of Transportation Engineers (ITE) LED Purchase Specifications of the Pedestrian Traffic Control Signal Indications (PTCSI) Part 2: Light Emitting Diode (LED) Pedestrian Traffic Signal Modules dated February 2003; hereafter, referred to as LED Purchase Specifications.

b. Materials. Material shall meet Sections 918 and 921 of the Standard Specifications for Construction.

1. General Requirements: LED countdown pedestrian signal modules shall be capable of exhibiting two (2) seven segment digital numerical displays on how much time remains to clear the intersection, as well as the traditional display of LED Hand/Walking Person symbolic legends. The ITE specified symbolic full icon "Hand" or "Walking Person" shall be displayed using a one-piece section which includes a nominal message-bearing surface size of 16 inches x 16 inches.

The LED countdown signal shall achieve the minimum intensity requirements of the ITE photometric test criteria as described in the LED Purchase Specifications. If required, the manufacturer shall provide independent lab test results certifying the LEDs meet the ITE specification for LED signals.

2. Physical and Mechanical Requirements:

A. General:

- (1) LED countdown pedestrian signal modules shall not require special tools for installation or replacement.
- (2) Each LED countdown module shall be a self-contained unit.
- (3) The assembly and manufacturer's process for the LED countdown assembly shall be designed to assure all internal LED and electronic components are adequately supported to withstand mechanical shock and vibration. The LED vehicle signal manufacturer shall be ISO 9001 certified.
- (4) The LED countdown signal module shall be protected against dust and moisture intrusion per the requirements of MIL-810F procedure I Rain and Blowing Rain to protect all internal LED, electronic, and electrical components. The test is to be conducted on a stand-alone unit.
- (5) The LED countdown signal module lens shall be made from ultraviolet stabilized polycarbonate. The lens shall be tinted or shall use transparency film or materials with similar characteristics. If requested, on a non-fused polymeric lens, a surface coating or a film shall be used to provide front surface abrasion resistance.
- (6) The external lens surface for all pedestrian signals shall be smooth, with no raised features, to minimize the collection of dirt, soil, diesel smoke, and other particulate



contaminates, and to facilitate periodic cleaning.

- (7) Each LED countdown signal module shall be identified with the manufacturer's name, model number, serial number on the outside of the unit, rated voltage, and power consumption. The identification tag shall be visible without disassembly of the signal module.
- (8) Each LED countdown signal module shall have a prominent and permanent vertical indication for proper orientation inside a pedestrian signal housing.

B. LED Assembly:

- (1) The LED countdown Assembly shall consist of an LED array mounted to a printed circuit board and sealed in a polycarbonate cover assembly. The cover assembly shall be secured to a polycarbonate clear matte signal lens.
- (2) The assembly shall have 18 A.W.G., 36 inches long, color-coded leads, conforming to the National Electric Code, with pre-insulated spade terminals provided for attachment to the signal terminal block.
- (3) Screw in type products will not be allowed for pedestrian signals.
- (4) Units that are not enclosed which expose circuit boards with LEDs will not be allowed.

C. LED Array:

- (1) The LED array shall consist of a highly visible full icon symbol of the "Hand" and "Walking Person". The "Hand" symbol shall be a minimum of 11 inches tall and consist of Portland Orange LEDs. The "Walking Person" shall be a minimum of 11 inches tall and consist of approximately Lunar white LEDs. The countdown digits shall be a minimum of 9 inches tall and consist of Portland Orange LEDs. All wires shall be #18 A.W.G. or larger with thermoplastic insulation.
- (2) The orange LEDs shall be Al In GaP, 605nm (Portland Orange, T 1). The white LED shall utilize the latest technology Indium Gallium Nitride technology (In Ga N, T 1).
- (3) Light output shall not be less than 2,200 cd/m² surface brightness for the "Walking Person" and not less than 1,400 cd/m² surface brightness for the "Hand." The individual LED light sources shall be interconnected so that a catastrophic failure of a single LED will result in a total loss of not more than 3 LEDs or 5 percent of the signal light output.

D. Housing:

- (1) The housing of each section shall be a one (1) piece black polycarbonate resin material with front, sides, top, and bottom integrally molded. The housing shall be of substantial thickness, with a minimum thickness of 3/32 inch, and shall be ribbed to produce the strongest possible assembly, consistent with being lightweight. Two sets of internal bosses shall be provided in the section for horizontal mounting of terminal strip facilities. The terminal blocks shall be attached to bosses with two self-tapping stainless steel screws.
- (2) Each signal section shall have a 2-inch diameter round hole in the top and bottom to accept a 1 ½ inch supporting pipe. After the sections are assembled, it shall be possible to pass a 1 inch cable through the head without damage or excessive labor.



- (3) The door latch shall be a variable pressure type, bolt and wing nut (AISI 300 series stainless steel) or approved equal.
- (4) All screws, nuts, bolts, hinge pins, springs, or other hardware wholly or partially exposed on the exterior of the housing shall be AISI 300 series stainless steel. All such parts on the interior of the housing shall be made of corrosion-resistant metal such as stainless steel, aluminum alloy, brass, or bronze.

E. Visors:

- (1) The signal shall be provided with a visor. The visor shall enclose the top and two sides of the lens. The visor shall be made of black polycarbonate resin having a thickness of no less than 0.070 inches, and shall be attached to the door with at least four screws (AISI 300 series stainless steel). The visor mounting shall be of sufficient strength and design to allow the head to be handled by the visor.
- (2) LED countdown pedestrian signals shall be shipped with visors attached.

F. Exterior Finish:

- (1) LED countdown pedestrian traffic signals shall be black in color. The inside surface of the visors shall be flat black. The characteristics of various signal components shall be an integral part of the material composition.
- (2) The color and finish of the signal parts shall be such that it will not require painting to maintain a pleasing and functional appearance. A scratch on any signal part shall not expose uncolored material.
- (3) Pedestrian signal mounting brackets, prior to painting, shall have all metal surfaces cleaned and pretreated before assembly to accept phosphate coating in accordance with federal specifications TT-C-490, Cleaning Methods and Pre-treatment of Ferrous Surfaces or Organic Coatings.
- (4) Semi-gloss or glossy black enamel shall be used to finish coat all other exterior surfaces of the fittings except stainless steel latch bolts and clips.

3. Electrical:

A. General: Minimum performance requirements for LED countdown signals include:

- (1) The LED countdown signal module shall operate from a 60 Hz line frequency and over a voltage range of 80-135 volts.
- (2) The LED shall operate from 85 – 135 VAC. The signal operates over the temperature range of -35°F to +165°F (-40°C to +74°C) with no more than a 10 percent change in luminous intensity over the voltage range.
- (3) Each LED countdown signal module shall be provided with two color coded No. 18 A.W.G. minimum, 36-inch, 600v, jacketed wires, conforming to the National Electrical Code, rated for service at 225°F (105°C).
- (4) The LED countdown signal module shall include voltage surge protection to withstand high-repetition noise transients and low-repetition, high-energy transients as stated in Section 2.1.6 of NEMA Standard TS-2.



- (5) The LED circuitry shall prevent flicker at less than 100 Hz over the voltage range specified in Section 5.2.1 of the LED Purchase Specifications.
- (6) The LED countdown signal and associated on-board circuitry must meet Federal Communications Commission (FCC) Title 47, Sub Part B, Section 15 regulations concerning the emission of electronic noise.
- (7) Total harmonic distortion (THD) induced into the AC power line by the module shall not exceed 20 percent when operating at rated voltage, at 77°F (25 °C).
- (8) A 6-point terminal block with screw terminals for use with spade lugs shall be provided for wire connection from the LED module and incoming wires from the controller. The terminal block shall be centrally located in the housing and have a minimum one (1) inch lateral clearance from the housing to facilitate wiring.
- (9) Power requirements shall be 120 VAC 50/60 Hz. Voltage surge protection shall be as stated in current NEMA TS 2 Section 2.1.6 specifications.

B. Power Consumption and Operational Range:

- (1) The LED countdown pedestrian traffic signal shall consume no more than 6 watts for the walking man and hand and no more than 5 watts for the countdown digits at 120 VAC max, 00.90 P.F. (power factor) at 77°F (25°C).

4. Photometric Requirements:

- A. There shall be no visible illumination of this LED module when the applied voltage is less than 35 VAC RMS.
- B. The measured chromaticity coordinates of LED traffic signal modules shall conform to the requirements of Section 4 of the LED Purchase Specifications. Each icon of the LED module shall reach 90 percent of their full illumination (turn-on) within 75 msec of applying normal operating voltage. The modules shall not be illuminated (turn-off) after 75 msec of removing normal operating voltage.
- C. Test data to verify pedestrian signal performance meeting Section 6 of the LED Purchase Specifications requirements shall be supplied by a certified independent test lab. In order to test, control and monitor the "Walking Person," "Hand," and "Countdown" digits separately, there shall be three wires provided for electrical connection to the "Walking Person/Hand" and three wires provided for the "Countdown" digits.

5. Countdown Timer

- A. The countdown timer shall be micro-controller based. The timer shall countdown only during the pedestrian clearance interval, shall continuously monitor the pedestrian clearance interval, and shall automatically adjust for any changes made at the controller. When the flashing "Hand" becomes solid, the module shall display "0" for one second and then black out. The countdown display shall remain dark until the beginning of the next countdown.
- B. In the event of a pre-emption sequence, the countdown module shall skip the pre-empted clearance time and reach "0" at the same time as the flashing "Hand" becomes solid.
- C. The LED module shall have a removable plug on the rear of the unit allowing easy access to



dip switches for selecting the following features: 1 – display “0” during stand-by, 2 – turn on all LEDs for testing, 3 – countdown walk plus clearance time, and 4 – disable countdown display.

D. The countdown module shall have an internal conflict monitor.

c. Construction. The (LED) Countdown Pedestrian Traffic Signals shall be installed as shown on the plans. All work shall comply with Sections 819 and 820 of the *Standard Specifications for Construction*, this Special Provision, and shall be used with appropriate modifications to Housing, Visors, and Mounting Assemblies to accommodate LED countdown pedestrian signal modules.

1. Warranty:

A. All LED countdown pedestrian signal modules supplied shall be warranted for 5 years from date of delivery against manufacturing defects. LED modules shall be performance warranted for 5 years per Section 6 of the LED Purchase Specification.

B. Modules that exhibit luminous intensities less than the minimum specified values within the first thirty-six (36) months of the date of delivery shall be replaced, repaired, or have the purchase value refunded.

C. Upon request, the LED lamp module manufacturer shall provide written documentation of its ability to satisfy a catastrophic warranty claim.

d. Measurement and Payment. The completed work as measured will be paid for at the contract unit price for the following contract item (pay item):

Contract Item (Pay Item)	Pay Unit
TS, Pedestrian, _____Way ___ Mtd (LED) Countdown	Each

The contract unit price each for **TS, Pedestrian, _____ Way _____ Mtd (LED) Countdown** includes furnishing all labor, equipment, and material necessary to install the LED countdown pedestrian traffic signal modules, hardware, fittings, conduit, riser(s), grounding and ground rod(s), cable, and any other materials necessary to complete the work.

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 ACQUISITION SERVICES
 P.O. BOX 30026, LANSING, MI 48909
 OR
 530 W. ALLEGAN, LANSING, MI 48933

April 27, 2005

CHANGE NOTICE NO. 3
 TO
 CONTRACT NO. 071B3001025
 between
 THE STATE OF MICHIGAN
 and

NAME & ADDRESS OF VENDOR Carrier & Gable, Inc. 24110 Research Drive Farmington Hills, MI 48335	TELEPHONE Frank Carrier (810) 477-8700
	VENDOR NUMBER/MAIL CODE
	BUYER/CA (517) 373-0305 Jeffrey A. White
Contract Compliance Inspector: Rick Dolan Traffic Signal Devices and Parts – MI Department of Transportation	
CONTRACT PERIOD: From: October 1, 2002 To: September 30, 2007	
TERMS Net	SHIPMENT 120 Days ARO
F.O.B. Delivered	SHIPPED FROM Farmington Hills, MI
MINIMUM DELIVERY REQUIREMENTS None	

NATURE OF CHANGE(S):

Effective immediately, the attached listings of (23) components (Items number 248 through 270) are hereby incorporated into this contract agreement, at pricing as listed.

AUTHORITY/REASON:

Per request of agency dated 3/10/05, and contractor quotation #4692, dated 2/24/05.

TOTAL ESTIMATED CONTRACT VALUE REMAINS: \$3,962,016.35

TRAFFIC SIGNALS AND EQUIPMENT
CARRIER & GABLE DPO #071B3001025

The following is a list of items that are hereby added to Contract 071B3001025, for traffic signals and equipment. These items are for Light Emitting Diode (LED) Traffic Signals. These items have been approved by MDOT Construction & Technology and meet the current ITE Standards.

	Item No.	Commodity Number	Unit	Description	Unit Price
1.	248	550-88-78	EA	LED Signal in Housing. Signal, Poly, 12", Red LED Brand Name: Dialite Product #: 101-4810	89.16
2.	249	550-88-78	EA	LED Signal in Housing. Signal, Poly, 12", Extreme Bright Yellow LED Brand Name: Dialite Product #: 101-4821	166.71
3.	250	550-88-78	EA	LED Signal in Housing. Signal, Poly, 12" Green LED Brand Name: Dialite Product #: 101-4830	138.92
4.	251	550-88-78	EA	LED Signal in Housing. Signal, Poly, 12", Red, Extreme Bright Yellow, Green LED Brand Name: Dialite Product #: 101-4802	379.55
5.	252	550-88-78	EA	LED Signal in Housing. Signal, Poly, 12", Red, Amber Arrow, Green Arrow LED Brand Name: Dialite Product #: 101-4803	356.55
6.	253	550-88-78	EA	LED Signal in Housing. Signal, Poly, 12", Extreme Bright Yellow, Green LED Brand Name: Dialite Product #: 101-4849	299.27
7.	254	550-88-78	EA	LED Signal in Housing. Signal, Poly, 12", Extreme BrightYellow Arrow, Green Arrow LED Brand Name: Dialite Product #: 101-4852	208.86

	Item No.	Commodity Number	Unit	Description	Unit Price
8.	255	550-88-78	EA	LED Signal in Housing. Signal, Alum., 12", Red LED Brand Name: Dialite Product #: 101-4851	110.69
9.	256	550-88-78	EA	LED Signal in Housing. Signal, Poly, 12", Green Arrow, Left, LED Brand Name: Dialite Product #: 101-4890	122.56
10.	257	550-88-78	EA	LED Signal in Housing. Signal, Poly, 12", Green Arrow, Right, LED Brand Name: Dialite Product #: 101-4892	122.56
11.	258	550-88-78	EA	LED Signal in housing. Signal, Aluminum, 12", Extreme Bright Yellow LED Brand Name: Dialite Product #: 101-4857	200.00
12.	259	550-88-78	EA	LED Signal in housing. Signal, Aluminum, 12", Red/Extreme Bright Yellow/Green LED Brand Name: Dialite Product #: 101-4856	451.25
13.	260	550-88-78	EA	LED Signal in Housing. Signal, Poly, 12", Pedestrian LED, Hand/Man Filled Brand Name: Dialite Product #: 101-6801	154.12
14.	261	550-88-78	EA	LED 12" Red Insert Brand Name: Dialite Product #: 132-1000	52.65
15.	262	550-88-78	EA	LED 12" Extreme Bright Yellow Insert Brand Name: Dialite Product #: 132-2006	135.00
16.	263	550-88-78	EA	LED 12" Green Insert Brand Name: Dialite Product #: 132-3000	105.50
17.	264	550-88-78	EA	Signal, Red 12" LED (Door/Visor) Brand Name: Dialite Product #: 101-4860	80.00
18.	265	550-88-78	EA	Signal, Extreme Bright Yellow 12" LED (Door/Visor) Brand Name: Dialite Product #: 101-NS002540	170.70

	Item No.	Commodity Number	Unit	Description	Unit Price
19.	266	550-88-78	EA	Signal, Green 12" LED, (Door/Visor) Brand Name: Dialite Product #: 101-4862	133.35
20.	267	550-88-78	EA	LED 12" Red Arrow 3 Row Insert Brand Name: Dialite Product #: 132-1002	76.25
21.	268	550-88-78	EA	LED 12" Yellow Arrow 3 Row Insert Brand Name: Dialite Product #: 132-2002	56.35
22.	269	550-88-78	EA	LED 12" Green Arrow 3 Row Insert Brand Name: Dialite Product #: 132-3002	88.10
23.	270	550-88-78	EA	Filled LED 12" Pedestrian Hand/Man Insert Brand Name: Dialite Product #: 132-6007	113.75

STATE OF MICHIGAN
DEPARTMENT OF MANAGEMENT AND BUDGET
ACQUISITION SERVICES
 P.O. BOX 30026, LANSING, MI 48909
 OR
 530 W. ALLEGAN, LANSING, MI 48933

December 2, 2003

CHANGE NOTICE NO. 2
TO
CONTRACT NO. 071B3001025
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF VENDOR Carrier & Gable, Inc. 24110 Research Drive Farmington Hills, MI 48335	TELEPHONE Frank Carrier (810) 477-8700
	VENDOR NUMBER/MAIL CODE
	BUYER (517) 241-2619 Duane Cortright, CPPB
Contract Administrator: Rick Dolan Traffic Signal Devices and Parts – MI Department of Transportation	
CONTRACT PERIOD: From: October 1, 2002 To: September 30, 2007	
TERMS <p style="text-align: center;">Net</p>	SHIPMENT <p style="text-align: center;">120 Days ARO</p>
F.O.B. <p style="text-align: center;">Delivered</p>	SHIPPED FROM <p style="text-align: center;">Farmington Hills, MI</p>
MINIMUM DELIVERY REQUIREMENTS <p style="text-align: center;">None</p>	

NATURE OF CHANGE(S):

Effective immediately, the attached listings of (10) components (#238-247) are hereby incorporated into this contract agreement, at pricing as listed. Also effect immediately are reduced prices on 72 items. New pricing reflected on price list attached.
 (Attachment #2)

AUTHORITY/REASON:

Per request of agency and agreement of vendor as submitted 4/16/03 to meet 2001 AASHTO standards.

TOTAL ESTIMATED CONTRACT VALUE REMAINS: \$6,000,000.00

TRAFFIC SIGNALS & EQUIPMENT
CARRIER & GABLE DPO # 071B3001025

The following is a list of line items; 2 through 11, that need to be added to the above BPO for traffic signals and equipment. We have included an estimate of annual usage and the prices quoted by Carrier & Gable, Inc. These items are for new traffic signal mast arms and assemblies and have been approved by MDOT Construction and Technology and meet the new 2001 AASHTO Standards.

Item 1. below is Line Item 089 on the BPO and requires a change in the Spec Info Field on the 2348 Screen. The change is in bold. It's a specification change only.

	Current Contract Item #	Commodity #	Unit	Description	Unit Price	Est. Annual Usage
1.	089 Changes in Bold	550-85-69	Each	Anchor Bolt, Mast Arm Foundation, 1.75 inch Diameter x 114 Inch x 6 Inch. Set of Four (4) Bolts with Washers and Nuts. Brand Name: Anchor Bolt Inc.	502.85	
2.	New Item (238)	550-88-56	Each	Traffic Signal Mast Arm, Steel, Clamp on, 40' length, with end caps, clamp plate and clamp bolts. Per 2001 AASHTO Standards. Brand Name: Union Metal Product #: 50303-B104-Y2-40	8,226.00	4
3.	New Item (239)	550-88-56	Each	Traffic Signal Mast Arm, Steel, Clamp on, 50' length, with end caps, clamp plate and clamp bolts. Per 2001 AASHTO Standards. Brand Name: Union Metal Product #: 50303-B204-Y2-50	9,293.00	4
4.	New Item (240)	550-88-56	Each	Traffic Signal Mast Arm, Steel, Clamp on, 30' length, with end caps, clamp plates and clamp bolts. Per 2001 AASHTO Standards. Brand Name: Union Metal Product #: 50303-B104-Y2-30	7,793.00	4
5.	New Item (241)		Each	Traffic Signal Mast Arm, Steel, Clamp on, 45' with end cap, clamps and bolts. Per 2001 AASHTO Standards. Brand Name: Union Metal Product #: 50303-B104-Y2-45	8,933.00	4
6.	New Item (242)		Each	Traffic Signal Mast Arm Standard, Steel, 23' with top cap, hand holes and covers. Brand Name: Union Metal Product # 50303-B104-Y1-23	6,665.00	10
	Current Contract Item #	Commodity #	Unit	Description	Unit Price	Est. Annual Usage
7.	New Item (243)		Each	Traffic Signal Mast Arm Standard, Steel, 29' with top cap, hand holes and covers. Brand Name: Union Metal Product #: 50303-B104-Y1-29	6,873.00	10
8.	New Item (244)		Each	Anchor Bolt, Mast Arm Foundation, 2.00 inch diameter x 192 inch x 6 inch. Set of four (4) bolts with two (2) nuts and two (2) washers each. Brand Name: Union Metal Product #: 2x192x6MA	920.00	10
9.	New Item (245)		Each	Anchor Bolt, Mast Arm Foundation, 2.00 inch diameter x 159 inch x 6 inch. Set of four (4) bolts with two (2) nuts and two (2) washers each. Brand Name: Union Metal Product #: 2x159x6MA	828.00	10
10.	New Item (246)		Each	Anchor Bolt, Mast Arm Foundation, 2.00 inch diameter x 219 inch x 6 inch. Set of four (4) bolts	1,020.00	10

				with two (2) nuts and (2) washers each. Brand Name: Union Metal Product #: 2x219x6MA		
11.	New Item (247)		Each	Anchor Bolt, Mast Arm Foundation, 2.00 inch diameter x 183 inch x 6 inch. Set of four (4) bolts with two (2) nuts and two (2) washers each. Brand Name: Union Metal Product #: 2x183x6MA	900.00	10

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 ACQUISITION SERVICES
 P.O. BOX 30026, LANSING, MI 48909
 OR
 530 W. ALLEGAN, LANSING, MI 48933

December 12, 2002

CHANGE NOTICE NO. 1
 TO
 CONTRACT NO. 071B3001025
 between
 THE STATE OF MICHIGAN
 and

NAME & ADDRESS OF VENDOR Carrier & Gable, Inc. 24110 Research Drive Farmington Hills, MI 48335	TELEPHONE Frank Carrier (810) 477-8700
	VENDOR NUMBER/MAIL CODE
	BUYER (517) 241-2619 Duane Cortright, CPPB
Contract Administrator: Rick Dolan Traffic Signal Devices and Parts – MI Department of Transportation	
CONTRACT PERIOD: From: October 1, 2002 To: September 30, 2007	
TERMS Net	SHIPMENT 120 Days ARO
F.O.B. Delivered	SHIPPED FROM Farmington Hills, MI
MINIMUM DELIVERY REQUIREMENTS None	

NATURE OF CHANGE(S):

Effective immediately, this contract is hereby extended to Local Units of Government.

All other terms and conditions remain the same.

Estimated Contract Value: \$6,000,000.00

STATE OF MICHIGAN
DEPARTMENT OF MANAGEMENT AND BUDGET
ACQUISITION SERVICES
P.O. BOX 30026, LANSING, MI 48909
OR
530 W. ALLEGAN, LANSING, MI 48933

October 18, 2002

NOTICE
OF
CONTRACT NO. 071B3001025
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF VENDOR Carrier & Gable, Inc. 24110 Research Drive Farmington Hills, MI 48335	TELEPHONE Frank Carrier (810) 477-8700
	VENDOR NUMBER/MAIL CODE
	BUYER (517) 241-2619 Duane Cortright, CPPB
Contract Administrator: Rick Dolan Traffic Signal Devices and Parts – MI Department of Transportation	
CONTRACT PERIOD: From: October 1, 2002 To: September 30, 2007	
TERMS Net	SHIPMENT 120 Days ARO
F.O.B. Delivered	SHIPPED FROM Farmington Hills, MI
MINIMUM DELIVERY REQUIREMENTS None	

The terms and conditions of this Contract are those of [ITB #071I2000314](#), this Contract Agreement and the vendor's quote dated [July 31, 2002](#). In the event of any conflicts between the specifications, terms and conditions indicated by the State and those indicated by the vendor, those of the State take precedence.

Estimated Contract Value: \$6,000,000.00

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
 ACQUISITION SERVICES
 P.O. BOX 30026, LANSING, MI 48909
 OR
 530 W. ALLEGAN, LANSING, MI 48933

CONTRACT NO. 071B3001025
between
THE STATE OF MICHIGAN
and

NAME & ADDRESS OF VENDOR <p style="text-align: center;">Carrier & Gable, Inc. 24110 Research Drive Farmington Hills, MI 48335</p>	TELEPHONE Frank Carrier (810) 477-8700 <hr/> VENDOR NUMBER/MAIL CODE <hr/> BUYER (517) 241-2619 Duane Cortright, CPPB
Contract Administrator: Rick Dolan <p style="text-align: center;">Traffic Signal Devices and Parts – MI Department of Transportation</p>	
CONTRACT PERIOD: From: October 1, 2002 To: September 30, 2007	
TERMS <p style="text-align: center;">Net</p>	SHIPMENT <p style="text-align: center;">120 Days ARO</p>
F.O.B. <p style="text-align: center;">Delivered</p>	SHIPPED FROM <p style="text-align: center;">Farmington Hills, MI</p>
MINIMUM DELIVERY REQUIREMENTS <p style="text-align: center;">None</p>	
MISCELLANEOUS INFORMATION: <p>The terms and conditions of this Contract are those of ITB #071I2000314, this Contract Agreement and the vendor's quote dated July 31, 2002. In the event of any conflicts between the specifications, terms and conditions indicated by the State and those indicated by the vendor, those of the State take precedence.</p> <p>Estimated Contract Value: \$6,000,000.00</p>	

THIS IS NOT AN ORDER: This Contract Agreement is awarded on the basis of our inquiry bearing the **ITB No. 071I2000314**. Orders for delivery of equipment will be issued directly by the **Department of Transportation** through the issuance of a Purchase Order Form.

All terms and conditions of the invitation to bid are made a part hereof.

<p>FOR THE VENDOR:</p> <hr/> <p style="text-align: center;">Firm Name</p> <hr/> <p style="text-align: center;">Authorized Agent Signature</p> <hr/> <p style="text-align: center;">Authorized Agent (Print or Type)</p> <hr/> <p style="text-align: center;">Date</p>	<p>FOR THE STATE:</p> <hr/> <p style="text-align: center;">Signature Kathryn T. Jones, Director</p> <hr/> <p style="text-align: center;">Name Acquisition Services</p> <hr/> <p style="text-align: center;">Title</p> <hr/> <p style="text-align: center;">Date</p>
--	--



TABLE OF CONTENTS

SECTION I - GENERAL CONTRACT PROVISIONS 1

I-A GENERAL 1

I-B ISSUING OFFICE..... 1

I-C CONTRACT ADMINISTRATOR 1

I-D CONTRACT TERM 2

I-E ENTIRE AGREEMENT AND ORDER OF PRECEDENCE 2

I-F NO WAIVER OF DEFAULT 2

I-G REVISIONS, CONSENTS, AND APPROVALS..... 2

I-H SEVERABILITY 2

I-I SURVIVOR..... 2

I-J GOVERNING LAW 3

I-K RELATIONSHIP OF THE PARTIES (INDEPENDENT CONTRACTOR) 3

I-L HEADINGS..... 3

I-M INCURRING COSTS 3

I-N NEWS RELEASES 3

I-O CONTRACTOR RESPONSIBILITIES 3

I-P PERFORMANCE REVIEWS 4

I-Q AUDIT OF CONTRACT COMPLIANCE 4

I-R WORKPLACE SAFETY AND DISCRIMINATORY HARASSMENT 4

I-S ASSIGNMENT 4

I-T DELEGATION 4

I-U DISCLOSURE 5

I-V TAXES 5

I-W PRICE ADJUSTMENTS 5

I-X ADDITIONAL PRODUCTS/SERVICES 5

I-Y CONTRACTOR'S LIABILITY INSURANCE..... 6

I-Z INDEMNIFICATION 7

I-AA CONTRACT DISTRIBUTION..... 9

I-BB ACCOUNTING RECORDS 9

I-CC NON-DISCRIMINATION CLAUSE 9

I-DD CANCELLATION 9

I-EE NOTICE AND RIGHT TO CURE..... 11

I-FF ELECTRONIC FUNDS TRANSFER..... 11



I-GG MODIFICATION OF CONTRACT 11

I-HH UNFAIR LABOR PRACTICES 11

I-II FORM, FUNCTION, AND UTILITY 12

I-JJ CONTRACT PAYMENT SCHEDULE 12

I-KK PROHIBITED PRODUCTS 12

I-LL RECYCLED CONTAINERS..... 12

I-MM RIGHT TO KNOW ACT (Act 80 of 1986) 12

I-OO QUALITY ASSURANCE..... 13

I-PP INSPECTION..... 13

I-QQ SERVICE 13

Attachments:

- Specifications
- Item Listing
- Preference Certification
- Non-State Agency Statement



SECTION I - GENERAL CONTRACT PROVISIONS

I-A GENERAL

This Contract is an optional use contract to provide for [Traffic Signal Devices and Components](#) for the State of Michigan. Exact quantities to be purchased are unknown, however the Contractor will be required to furnish all such materials and services as may be ordered during the Contract period. Quantities specified if any, are estimates based on prior purchases, and the State is not obligated to purchase in these or any other quantities. Orders for delivery will be issued directly to the Contractor by the Michigan Department of Transportation on the Purchase Order Contract Release Form.

This Contract is a Unit Price Contract.

I-B ISSUING OFFICE

The Contract is issued by Acquisition Services, State of Michigan, Department of Management and Budget, hereinafter known as Acquisition Services, for the [Michigan Department of Transportation](#), hereinafter known as *MDOT*. Where actions are a combination of those of Acquisition Services and MDOT, the authority will be known as the State.

Acquisition Services is the sole point of contact in the State with regard to all procurement and contractual matters relating to the commodities and/or services described herein. Acquisition Services is the only office authorized to change, modify, amend, alter, clarify, etc., the specifications, terms, and conditions of this Contract. Acquisition Services will remain the **SOLE POINT OF CONTACT** throughout the procurement process. All communications covering this procurement must be addressed to:

Department of Management and Budget
Acquisition Services
[Attn: Duane S. Cortright, Buyer, CPPB](#)
2nd Floor, Mason Building
P.O. Box 30026
Lansing, Michigan 48909
(517) 241-2619
[e-mail: cortrightd1@michigan.gov](mailto:cortrightd1@michigan.gov)

I-C CONTRACT ADMINISTRATOR

Upon receipt at Acquisition Services of the properly executed Contract Agreement(s), the person named below will be allowed to administer the Contract on a day-to-day basis during the term of the Contract. However, administration of the Contract implies no authority to change, modify, clarify, amend, or otherwise alter the terms, conditions, and specifications of such Contract(s). That authority is retained by Acquisition Services. The Contract Administrator for this project is:

Rick Dolan
Michigan Department of Transportation
Finance & Administration
Transportation Building, P.O. Box 30050
Lansing, MI 48909
e-mail: DolanR@michigan.gov

**I-D CONTRACT TERM**

The term of this Contract will be for a **five (5)** year period and will commence with the issuance of a Contract. This will be approximately **October 1, 2002** through **September 30, 2007**. At the sole option of the State, the Contract may be extended for up to 2 (two) additional years. Contractor performance, quality of products, price, and the Contractor's ability to deliver on time are some of the criteria that will be used as a basis for any decision by Acquisition Services to extend the Contract.

I-E ENTIRE AGREEMENT AND ORDER OF PRECEDENCE

The following documents constitute the complete and exclusive agreement between the parties. The following order of precedence shall apply (in descending order):

- A. Any contract resulting from the State's ITB No. **071I2000314**.
- B. Any addenda to that ITB.
- C. The Contractor's response to that ITB.

The State of Michigan shall not be bound by any part(s) of the bidder's response to the ITB which contains information, options, conditions, terms, or prices neither requested nor required in the ITB. In the event of any conflicts between the specifications, terms and conditions indicated by the State and those indicated by the Contractor, those of the State take precedence. The contract supercedes all proposals or other prior agreements, oral or written, and all other communications between the parties relating to this subject.

I-F NO WAIVER OF DEFAULT

The failure of a party to insist upon strict adherence to any term of the Contract shall not be considered a waiver or deprive the party of the right thereafter to insist upon strict adherence to that term or any other term of the Contract.

I-G REVISIONS, CONSENTS, AND APPROVALS

The Contract may not be modified, amended, extended, or augmented except by a writing executed by the parties hereto, and any breach or default by a party shall not be waived or released other than in writing signed by the other party.

I-H SEVERABILITY

Each provision of the Contract shall be deemed to be severable from all other provisions of the Contract and, if one or more of the provisions of the Contract shall be declared invalid, the remaining provisions of the Contract shall remain in full force and effect.

I-I SURVIVOR

Any provisions of the Contract that impose continuing obligations on the parties including, but not limited to the Contractor's indemnity and other obligations shall survive the expiration or cancellation of the Contract for any reason.

**I-J GOVERNING LAW**

The Contract shall in all respects be governed by, and construed in accordance with, the laws of the State of Michigan. Any dispute arising herein shall be resolved in the State of Michigan.

I-K RELATIONSHIP OF THE PARTIES (INDEPENDENT CONTRACTOR)

The relationship between the State and the Contractor is that of client and independent Contractor. No agent, employee, or servant of the Contractor or any of its subcontractors shall be or shall be deemed to be an employee, agent, or servant of the State for any reason. The Contractor will be solely and entirely responsible for its acts and the acts of its agents, employees, servants and subcontractors during the performance of this Contract.

I-L HEADINGS

Captions and headings used in the Contract are for information and organization purposes. Captions and headings, including inaccurate references, do not, in any way, define or limit the requirements or terms and conditions of this Contract.

I-M INCURRING COSTS

The State of Michigan is not liable for any cost incurred by the Contractor prior to signing of the Contract. The State fiscal year is October 1st through September 30th. The Contractor(s) should realize that payments in any given fiscal year are contingent upon enactment of legislative appropriations. Total liability of the State is limited to terms and conditions of the Contract.

I-N NEWS RELEASES

News releases (including promotional literature and commercial advertisements) pertaining to the ITB and Contract or project to which it relates shall not be made without prior written State approval, and then only in accordance with the explicit written instructions from the State. No results of the activities associated with the ITB and Contract are to be released without prior written approval of the State and then only to persons designated.

I-O CONTRACTOR RESPONSIBILITIES

The Contractor will be required to assume responsibility for all contractual activities, whether or not that Contractor performs them. Further, the State will consider the Contractor to be the sole point of contact with regard to contractual matters, including payment of any and all charges resulting from the anticipated Contract. If any part of the work is to be subcontracted, the Contract must include a list of subcontractors, including firm name and address, contact person and a complete description of work to be subcontracted. The State reserves the right to approve subcontractors and to require the Contractor to replace subcontractors found to be unacceptable. The Contractor is totally responsible for adherence by the subcontractor to all provisions of the Contract. Any change in subcontractors must be approved by the State, in writing, prior to such change.

**I-P PERFORMANCE REVIEWS**

Acquisition Services in conjunction with the **MDOT** may review with the Contractor their performance under the Contract. Performance reviews shall be conducted quarterly, semi-annually or annually depending on Contractor's past performance with the State. Performance reviews shall include, but not limited to, quality of products/services being delivered and provided, timeliness of delivery, percentage of completion of orders, the amount of back orders, status of such orders, accuracy of billings, customer service, completion and submission of required paperwork, the number of substitutions and the reasons for substitutions, and other requirements of the Contract.

Upon a finding of poor performance, which has been documented by Acquisition Services, the Contractor shall be given an opportunity to respond and take corrective action. If corrective action is not taken in a reasonable amount of time as determined by Acquisition Services, the Contract may be canceled for default. Delivery by the Contractor of unsafe and/or adulterated or off-condition products to any State agency is considered a material breach of Contract subject to the cancellation provisions contained herein.

I-Q AUDIT OF CONTRACT COMPLIANCE

The Contractor agrees that the State may, upon 24-hour notice, perform an audit at Contractor's location(s) to determine if the Contractor is complying with the requirements of the Contract. The Contractor agrees to cooperate with the State during the audit and produce all records and documentation that verifies compliance with the Contract requirements.

I-R WORKPLACE SAFETY AND DISCRIMINATORY HARASSMENT

In performing services for the State pursuant to this Contract, the Contractor shall comply with Department of Civil Service Rules 2-20 regarding Workplace Safety and 1-8.3 regarding Discriminatory Harassment. In addition, the Contractor shall comply with Civil Service Regulations governing workplace safety and discriminatory harassment and any applicable state agency rules on these matters that the agency provides to the Contractor. Department of Civil Service Rules and Regulations can be found on the Department of Civil Service website at www.michigan.gov/mdcs.

I-S ASSIGNMENT

The Contractor shall not have the right to assign the Contract or to assign or delegate any of its duties or obligations under the Contract to any other party (whether by operation of law or otherwise), without the prior written consent of the State. Any purported assignment in violation of this Section shall be null and void. Further, the Contractor may not assign the right to receive money due under the Contract without the prior written consent of the Director of Acquisition Services.

I-T DELEGATION

The Contractor shall not delegate any duties or obligations under the Contract to a subcontractor other than a subcontractor named and approved in the bid unless the Director of Acquisition Services has given written consent to the delegation.

**I-U DISCLOSURE**

All information in a bidder's proposal and the Contract is subject to the provisions of the Freedom of Information Act. 1976 Public Act No. 442, as amended, MCL 15.231, et seq.

I-V TAXES

- A. **Sales Tax:** For purchases made directly by the State of Michigan, the State is exempt from State and Local Sales Tax. Prices shall not include such taxes. Exemption Certificates for State Sales Tax will be furnished upon request.
- B. **Federal Excise Tax:** The State of Michigan may be exempt for Federal Excise Tax, or such taxes may be reimbursable, if articles purchased under this Contract are used for the State's exclusive use. Certificates exclusive use for the purposes of substantiating a tax-free, or tax-reimbursable sale will be sent to the Contractor upon request. If a sale is tax exempt or tax reimbursable under the Internal Revenue Code, prices shall not include the Federal Excise Tax.
- C. Contractors are expected to collect and pay all applicable federal, state, and local employment taxes for all persons involved in the resulting Contract. Also, bidders shall maintain appropriate payroll information on a system that can produce any reports that may be needed by Acquisition Services.

I-W PRICE ADJUSTMENTS

Prices quoted are the maximum for a period of **365 days** from the date the Contract becomes effective.

Prices are subject to change at the end of each 365 day period. Such changes shall be based on changes in actual costs incurred. Documentation of such changes must be provided with the request for price change in order to substantiate any requested change. Acquisition Services reserves the right to consider various pertinent information sources to evaluate price increase requests (such as the CPI and PPI, US City Average, as published by the US Department of Labor, Bureau of Labor Statistics). Acquisition Services also reserves the right to consider other information related to special economic and/or industry circumstances, when evaluating a price change request. Changes may be either increases or decreases, and may be requested by either party. Approved changes shall be firm for the remainder of the contract period unless further revised at the end of the next 365 day period.

Requests for price changes shall be **RECEIVED IN WRITING AT LEAST TEN DAYS PRIOR TO THEIR EFFECTIVE DATE**, and are subject to written acceptance before becoming effective. In the event new prices are not acceptable, the **CONTRACT** may be cancelled. The continued payment of any charges due after September 30th of any fiscal year will be subject to the availability of an appropriation for this purpose.

I-X ADDITIONAL PRODUCTS/SERVICES

The State reserves the right to add an item(s) that is not described on the item listing and is available from the Contract vendor. The item(s) may be included on the Contract, only if prior written approval has been granted by Acquisition Services.

**I-Y CONTRACTOR'S LIABILITY INSURANCE**

The Contractor is required to provide proof of the minimum levels of insurance coverage as indicated below. The purpose of this coverage shall be to protect the State from claims which may arise out of or result from the Contractor's performance of services under the terms of this Contract, whether such services are performed by the Contractor, or by any subcontractor, or by anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable.

The Contractor waives all rights against the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees and agents for recovery of damages to the extent these damages are covered by the insurance policies the Contractor is required to maintain pursuant to this Contract. The Contractor also agrees to provide evidence that all applicable insurance policies contain a waiver of subrogation by the insurance company.

All insurance coverages provided relative to this Contract/Purchase Order is PRIMARY and NON-CONTRIBUTING to any comparable liability insurance (including self-insurances) carried by the State.

The Insurance shall be written for not less than any minimum coverage herein specified or required by law, whichever is greater. All deductible amounts for any of the required policies are subject to approval by the State.

The State reserves the right to reject insurance written by an insurer the State deems unacceptable.

BEFORE THE CONTRACT IS SIGNED BY BOTH PARTIES OR BEFORE THE PURCHASE ORDER IS ISSUED BY THE STATE, THE CONTRACTOR MUST FURNISH TO THE DIRECTOR OF ACQUISITION SERVICES, CERTIFICATE(S) OF INSURANCE VERIFYING INSURANCE COVERAGE. THE CERTIFICATE MUST BE ON THE STANDARD "ACCORD" FORM. THE CONTRACT OR PURCHASE ORDER NO. MUST BE SHOWN ON THE CERTIFICATE OF INSURANCE TO ASSURE CORRECT FILING. All such Certificate(s) are to be prepared and submitted by the Insurance Provider and not by the Contractor. All such Certificate(s) shall contain a provision indicating that coverages afforded under the policies WILL NOT BE CANCELLED, MATERIALLY CHANGED, OR NOT RENEWED without THIRTY (30) days prior written notice, except for 10 days for non-payment of premium, having been given to the Director of Acquisition Services, Department of Management and Budget. Such NOTICE must include the CONTRACT NUMBER affected and be mailed to: Director, Acquisition Services, Department of Management and Budget, P.O. Box 30026, Lansing, Michigan 48909.

The Contractor is required to provide the type and amount of insurance checked () below:

1. Commercial General Liability with the following minimum coverages:

\$2,000,000 General Aggregate Limit other than Products/Completed Operations
\$2,000,000 Products/Completed Operations Aggregate Limit
\$1,000,000 Personal & Advertising Injury Limit
\$1,000,000 Each Occurrence Limit
\$500,000 Fire Damage Limit (any one fire)

The Contractor must list the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees and agents as ADDITIONAL INSUREDS on the Commercial General Liability policy.



- 2. If a motor vehicle is used to provide services or products under this Contract, the Contractor must have vehicle liability insurance on any auto including owned, hired and non-owned vehicles used in Contractor's business for bodily injury and property damage as required by law.

The Contractor must list the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees and agents as **ADDITIONAL INSURED**s on the vehicle liability policy.

- 3. Worker's disability compensation, disability benefit or other similar employee benefit act with minimum statutory limits. **NOTE:** (1) If coverage is provided by a State fund or if Contractor has qualified as a self-insurer, separate certification must be furnished that coverage is in the state fund or that Contractor has approval to be a self-insurer; (2) Any citing of a policy of insurance must include a listing of the States where that policy's coverage is applicable; and (3) Any policy of insurance must contain a provision or endorsement providing that the insurers' rights of subrogation are waived. This provision shall not be applicable where prohibited or limited by the laws of the jurisdiction in which the work is to be performed.
- 4. Employers liability insurance with the following minimum limits:
 - \$100,000 each accident
 - \$100,000 each employee by disease
 - \$500,000 aggregate disease

I-Z INDEMNIFICATION

A. General Indemnification

To the fullest extent permitted by law, the Contractor shall indemnify, defend and hold harmless the State, its departments, divisions, agencies, sections, commissions, officers, employees and agents, from and against all losses, liabilities, penalties, fines, damages and claims (including taxes), and all related costs and expenses (including reasonable attorneys' fees and disbursements and costs of investigation, litigation, settlement, judgments, interest and penalties), arising from or in connection with any of the following:

1. any claim, demand, action, citation or legal proceeding against the State, its employees and agents arising out of or resulting from (1) the product provided or (2) performance of the work, duties, responsibilities, actions or omissions of the Contractor or any of its subcontractors under this Contract.
2. any claim, demand, action, citation or legal proceeding against the State, its employees and agents arising out of or resulting from a breach by the Contractor of any representation or warranty made by the Contractor in the Contract;
3. any claim, demand, action, citation or legal proceeding against the State, its employees and agents arising out of or related to occurrences that the Contractor is required to insure against as provided for in this Contract;



4. any claim, demand, action, citation or legal proceeding against the State, its employees and agents arising out of or resulting from the death or bodily injury of any person, or the damage, loss or destruction of any real or tangible personal property, in connection with the performance of services by the Contractor, by any of its subcontractors, by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable; provided, however, that this indemnification obligation shall not apply to the extent, if any, that such death, bodily injury or property damage is caused solely by the negligence or reckless or intentional wrongful conduct of the State;
5. any claim, demand, action, citation or legal proceeding against the State, its employees and agents which results from an act or omission of the Contractor or any of its subcontractors in its or their capacity as an employer of a person.

B. Patent/Copyright Infringement Indemnification

To the fullest extent permitted by law, the Contractor shall indemnify, defend and hold harmless the State, its employees and agents from and against all losses, liabilities, damages (including taxes), and all related costs and expenses (including reasonable attorneys' fees and disbursements and costs of investigation, litigation, settlement, judgments, interest and penalties) incurred in connection with any action or proceeding threatened or brought against the State to the extent that such action or proceeding is based on a claim that any piece of equipment, software, commodity or service supplied by the Contractor or its subcontractors, or the operation of such equipment, software, commodity or service, or the use or reproduction of any documentation provided with such equipment, software, commodity or service infringes any United States or foreign patent, copyright, trade secret or other proprietary right of any person or entity, which right is enforceable under the laws of the United States. In addition, should the equipment, software, commodity, or service, or the operation thereof, become or in the Contractor's opinion be likely to become the subject of a claim of infringement, the Contractor shall at the Contractor's sole expense (i) procure for the State the right to continue using the equipment, software, commodity or service or, if such option is not reasonably available to the Contractor, (ii) replace or modify the same with equipment, software, commodity or service of equivalent function and performance so that it becomes non-infringing, or, if such option is not reasonably available to Contractor, (iii) accept its return by the State with appropriate credits to the State against the Contractor's charges and reimburse the State for any losses or costs incurred as a consequence of the State ceasing its use and returning it.

C. Indemnification Obligation Not Limited

In any and all claims against the State of Michigan, or any of its agents or employees, by any employee of the Contractor or any of its subcontractors, the indemnification obligation under the Contract shall not be limited in any way by the amount or type of damages, compensation or benefits payable by or for the Contractor or any of its subcontractors under worker's disability compensation acts, disability benefits acts, or other employee benefits acts. This indemnification clause is intended to be comprehensive. Any overlap in subclauses, or the fact that greater specificity is provided as to some categories of risk, is not intended to limit the scope of indemnification under any other subclause.



D. Continuation of Indemnification Obligation

The duty to indemnify will continue in full force and affect notwithstanding the expiration or early termination of the Contract with respect to any claims based on facts or conditions, which occurred prior to termination.

I-AA CONTRACT DISTRIBUTION

Acquisition Services shall retain the sole right of Contract distribution to all State agencies and local units of government unless other arrangements are authorized by Acquisition Services.

I-BB ACCOUNTING RECORDS

The Contractor and all subcontractors shall maintain all pertinent financial and accounting records and evidence pertaining to the Contract in accordance with generally accepted principles of accounting and other procedures specified by the State of Michigan. Financial and accounting records shall be made available, upon request, to the State of Michigan, its designees, or the Michigan Auditor General at any time during the Contract period and any extension thereof, and for three years from expiration date and final payment on the Contract or extension thereof.

I-CC NON-DISCRIMINATION CLAUSE

In the performance of a Contract or purchase order, the Contractor agrees not to discriminate against any employee or applicant for employment, with respect to their hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of race, color, religion, national origin, ancestry, age, sex, height, weight, marital status, physical or mental handicap or disability. The Contractor further agrees that every subcontract entered into for the performance of any Contract or purchase order resulting herefrom will contain a provision requiring non-discrimination in employment, as herein specified, binding upon each subcontractor. This covenant is required pursuant to the Elliot Larsen Civil Rights Act, 1976 Public Act 453, as amended, MCL 37.2201, et seq, and the Michigan Handicapper's Civil Rights Act, 1976 Public Act 220, as amended, MCL 37.1101, et seq, and any breach thereof may be regarded as a material breach of the Contract or purchase order.

I-DD CANCELLATION

The State may cancel this Contract without further liability or penalty to the State, its departments, divisions, agencies, offices, commissions, officers, agents, and employees for any of the following reasons:

1. Material Breach by the Contractor. In the event that the Contractor breaches any of its material duties or obligations under the Contract, which are either not capable of or subject to being cured, or are not cured within the time period specified in the written notice of breach provided by the State, or pose a serious and imminent threat to the health and safety of any person, or the imminent loss, damage or destruction of any real or tangible personal property, the State may, having provided written notice of cancellation to the Contractor, cancel this Contract in whole or in part, for cause, as of the date specified in the notice of cancellation.



In the event that this Contract is cancelled for cause, in addition to any legal remedies otherwise available to the State by law or equity, the Contractor shall be responsible for all costs incurred by the State in canceling the Contract, including but not limited to, State administrative costs, attorneys fees and court costs, and any additional costs the State may incur to procure the services required by this Contract from other sources. All excess re-procurement costs and damages shall not be considered by the parties to be consequential, indirect or incidental, and shall not be excluded by any other terms otherwise included in the Contract.

In the event the State chooses to partially cancel this Contract for cause charges payable under this Contract will be equitably adjusted to reflect those services that are cancelled.

In the event this Contract is cancelled for cause pursuant to this section, and it is therefore determined, for any reason, that the Contractor was not in breach of contract pursuant to the provisions of this section, that cancellation for cause shall be deemed to have been a cancellation for convenience, effective as of the same date, and the rights and obligations of the parties shall be limited to that otherwise provided in the Contract for a cancellation for convenience.

2. Cancellation For Convenience By the State. The State may cancel this Contract for its convenience, in whole or part, if the State determines that such a cancellation is in the State's best interest. Reasons for such cancellation shall be left to the sole discretion of the State and may include, but not necessarily be limited to (a) the State no longer needs the services or products specified in the Contract, (b) relocation of office, program changes, changes in laws, rules, or regulations make implementation of the Contract services no longer practical or feasible, and (c) unacceptable prices for additional services requested by the State. The State may cancel the Contract for its convenience, in whole or in part, by giving the Contractor written notice 30 days prior to the date of cancellation. If the State chooses to cancel this Contract in part, the charges payable under this Contract shall be equitably adjusted to reflect those services that are cancelled.
3. Non-Appropriation. In the event that funds to enable the State to effect continued payment under this Contract are not appropriated or otherwise made available. The Contractor acknowledges that, if this Contract extends for several fiscal years, continuation of this Contract is subject to appropriation or availability of funds for this project. If funds are not appropriated or otherwise made available, the State shall have the right to cancel this Contract at the end of the last period for which funds have been appropriated or otherwise made available by giving written notice of cancellation to the Contractor. The State shall give the Contractor written notice of such non-appropriation or unavailability within 30 days after it receives notice of such non-appropriation or unavailability.
4. Criminal Conviction. In the event the Contractor, an officer of the Contractor, or an owner of a 25% or greater share of the Contractor, is convicted of a criminal offense incident to the application for or performance of a State, public or private Contract or subcontract; or convicted of a criminal offense including but not limited to any of the following: embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, attempting to influence a public employee to breach the ethical conduct standards for State of Michigan employees; convicted under State or federal antitrust statutes; or convicted of any other criminal offense which in the sole discretion of the State, reflects upon the Contractor's business integrity.



5. Approvals Rescinded. In the event any final administrative or judicial decision or adjudication disapproves a previously approved request for purchase of personal services pursuant to Article 11, Section 5 of the Michigan Constitution of 1963, and Chapter 7 of the Civil Service Rules. Notwithstanding any other provision of this Contract to the contrary, the State Personnel Director is authorized to disapprove contractual disbursements for personal services if the Director determines that the Contract of the disbursements under the Contract violate Article 11, Section 5 of the Constitution or violate applicable Civil Service rules or regulations. Cancellation may be in whole or in part and may be immediate as of the date of the written notice to the Contractor or may be effective as of the date stated in such written notice.

I-EE NOTICE AND RIGHT TO CURE

In the event of a curable breach by the Contractor, the State shall provide the Contractor written notice of the breach and a time period to cure said breach described in the notice. This section requiring notice and an opportunity to cure shall not be applicable in the event of successive or repeated breaches of the same nature or if the State determines in its sole discretion that the breach poses a serious and imminent threat to the health or safety of any person or the imminent loss, damage or destruction of any real or tangible personal property.

I-FF ELECTRONIC FUNDS TRANSFER

Electronic transfer of funds is available to State contractors. Vendors are encouraged to register with the State of Michigan Office of Financial Management so the State can make payments related to this Contract electronically (www.state.mi.us/dmb/ofm/).

I-GG MODIFICATION OF CONTRACT

Acquisition Services reserves the right to modify this contract at any time during the contract term. Such modification may include changing the locations to be serviced, additional locations to be serviced, method or manner of performance of the work, number of days service is to be performed, addition or deletion of tasks to be performed, addition or deletion of items, and/or any other modifications deemed necessary. Any changes in pricing proposed by the Contractor resulting from the proposed changes are subject to acceptance by the State. Changes may be increases or decreases. **IN THE EVENT PRICES ARE NOT ACCEPTABLE TO THE STATE, THE CONTRACT SHALL BE SUBJECT TO COMPETITIVE BIDDING BASED UPON THE NEW SPECIFICATION.**

I-HH UNFAIR LABOR PRACTICES

Pursuant to 1980 Public Act 278, as amended, MCL 423.231, et seq, the State shall not award a Contract or subcontract to an employer whose name appears in the current register of employers failing to correct an unfair labor practice compiled pursuant to Section 2 of the Act. A Contractor of the State, in relation to the Contract, shall not enter into a Contract with a subcontractor, manufacturer, or supplier whose name appears in this register. Pursuant to Section 4 of 1980 Public Act 278, MCL 423.324, the State may void any Contract if, subsequent to award of the Contract, the name of the Contractor as an employer, or the name of the subcontractor, manufacturer or supplier of the Contractor appears in the register.

**I-II FORM, FUNCTION, AND UTILITY**

If the Contract is for use of more than one State agency and if the good or service provided under this Contract do not meet the form, function, and utility required by a State agency, that agency may, subject to State purchasing policies, procure the good or service from another source.

I-JJ CONTRACT PAYMENT SCHEDULE

The specific payment schedule for the Contract(s) will be mutually agreed upon by the State and the Contractor(s). The schedule should show payment amount and should reflect actual work done by the payment dates, less any penalty cost charges accrued by those dates. As a general policy statements shall be forwarded to the designated representative by the 15th day of the following month.

I-KK PROHIBITED PRODUCTS

The State will not accept salvage, distressed, outdated or discontinued merchandise. Shipping of such merchandise to any State agency, as a result of an order placed against the Contract, shall be considered default by the Contractor of the terms and conditions of the Contract and may result in cancellation of the Contract by the State. The brand and product number offered for all items shall remain consistent for the term of the Contract, unless Acquisition Services has approved a change.

I-LL RECYCLED CONTAINERS

Bidders are encouraged to offer products packaged in containers using recovered materials suitable for the intended use. 'Recovered material' is defined as post-consumer waste (any products generated by a business or consumer which have served their intended end use, and which have been separated or diverted from solid waste for the purpose of collection, recycling, and disposition) and 'secondary waste' (industrial by-products and wastes generated after completion of a manufacturing process that would normally not be reused).

I-MM RIGHT TO KNOW ACT (Act 80 of 1986)

The "Right to Know Act" is intended to provide protection and information to employees who encounter hazardous substances in the workplace. To comply with this act, it is necessary that you fulfill the following:

Labels on all incoming containers of hazardous chemicals must (1) clearly State the identity of the contents, (2) display appropriate hazard warning(s), (3) include first aid information, and (4) list the name and address of the chemical manufacturer, importer, or other responsible party.

Material Safety Data Sheets must be included with shipment of chemical or hazardous material to the receiving State agency. It is necessary to send this document only on the first shipment for each chemical formulation or hazardous material ordered by a specific agency except when there has been a change in the formulation of the specified chemical or hazardous material, in which case, a revised material safety data sheet shall accompany the first shipment of the changed formulation. It is the responsibility of the shipping vendor to maintain this record. The receiving agency will not accept first shipment unless the above is complied with. It is recommended that OSHA Material Safety Data Sheet No. 174 be used.

**I-NN ASSIGNMENT OF ANTITRUST CAUSE OF ACTION**

For and in consideration of the opportunity to submit a quotation and other good and valuable consideration, the bidder hereby assigns, sells and transfers to the State of Michigan all rights, title and interest in and to all causes of action it may have under the antitrust laws of the United States or this State for price fixing, which causes of action have accrued prior to the date of payment and which relate solely to the particular goods, commodities, or services purchased or procured by this State pursuant to this transaction.

I-OO QUALITY ASSURANCE

The State reserves the right to periodically test products which have been received to verify compliance with specifications. If laboratory analysis shows that the product does not meet specifications or fails to perform satisfactorily at any time, the Contractor shall be responsible for:

1. All costs of testing and laboratory analysis.
2. Disposal and/or replacement of all products which fail to meet specifications.
3. All costs of repair and/or replacement of equipment deemed to have been damaged by substandard products as determined by the State.

I-PP INSPECTION

All goods are subject to inspection and testing. In the event goods are defective in material or workmanship, or otherwise fail to meet the requirements of the Contract, the State shall have the right to reject the goods or retain the goods and correct the defects. The Contractor shall pay the State for expenses incurred in correcting defects. Rejected goods will be held for 45 days after delivery. The Contractor must arrange for the return of said goods, including paying for handling, packing, and transportation costs. The State has the authority to dispose of the goods without further liability to the State in the event the Contractor fails to make arrangements within the specified time period.

I-QQ SERVICE

The Contractor shall have an accessible customer service department with an individual specifically assigned to State of Michigan accounts. The Contractor shall have experienced sales representatives make timely personal visits to State accounts. The Contractor's customer service must respond to a State agency inquiries promptly. The Contractor shall provide a statewide toll-free number for customer service calls.



PREFERENCE CERTIFICATION

FAILURE TO COMPLETE AND RETURN THIS FORM MAY DISQUALIFY THE BIDDER

AUTHORITY: To comply with Michigan Public Act 237 of 1988, a bidder submitting a bid of \$100,000 or more must complete Section A OR B below.

SECTION A

I certify that Carrier & Gable, Inc. qualifies as a Michigan business for the purpose of claiming a reciprocal preference against out-of-state firms. During the 12 months immediately preceding this bid deadline or, if the business is newly established, for the period the business has been in existence, the business has (check all which apply):

- Filed a Michigan single business tax return showing a portion or all of the income tax base allocated or apportioned to the State of Michigan pursuant to the Michigan Single Business Tax Act, Act No. 228 of the Public Acts of 1975, being Sections 208.1 to 208.145 of the Michigan Compiled Laws.

OR:

- Filed a Michigan income tax return showing income generated in or attributed to the State of Michigan.

OR:

- Withheld Michigan income tax from compensation paid to the bidder's owners and remitted the tax to the Department of Treasury.

I certify that **I have personal knowledge** of such filing or withholding, that it was more than a nominal filing for the purpose of gaining the status of a Michigan business, and that it indicates a significant business presence in the state, considering the size of the business and the nature of its activities.

I authorize the Michigan Department of Treasury to verify that the business has or has not met the criteria for a Michigan business indicated above and to disclose the verifying information to the procuring agency.

Authorized Representative (type or print)	Authorized Representative (signature)	Date
Kenneth J. Zavela		8/01/02

(OR) SECTION B

I certify that _____ maintains its principal place of business in the State of _____.

Authorized Representative (type or print)	Authorized Representative (signature)	Date

A BUSINESS THAT PURPOSELY OR WILLFULLY SUBMITS A FALSE CERTIFICATION THAT IT IS A MICHIGAN BUSINESS OR FALSELY INDICATES THE STATE IN WHICH IT HAS ITS PRINCIPAL PLACE OF BUSINESS IS GUILTY OF A FELONY, PUNISHABLE BY A FINE OF NOT LESS THAN \$25,000.

**NON-STATE AGENCY STATEMENT:**

Act Number 431 of the Public Acts of 1984 permits the State of Michigan, Department of Management and Budget, to provide purchasing services to local units of government and school districts. As a result of the enactment of this legislation, the Extended Purchasing Program has been developed. This program extends the use of State contracts to program members. The governmental agency must enter into an agreement with the State of Michigan to become authorized to participate, thus ensuring that local units of government secure a greater return for the expenditure of public funds. It is the policy of Acquisition Services, Department of Management and Budget, that the final approval to utilize any such Contract in this manner must come from the Contract vendor.

In such cases, Contract vendors supply merchandise at the established State of Michigan Contract prices and terms. Inasmuch as these are non-State agencies, all purchase orders will be submitted by, invoices will be billed to, and payment will be remitted by the authorized Extended Purchasing member on a direct and individual basis in accordance with Contract terms.

Therefore, it is required that all bidders indicate, by checking the appropriate box below, whether they will (first box) or will not (second box) honor orders on any Contract resulting from this Request for Quotation from State of Michigan authorized Extended Purchasing members. It is the responsibility of the Contractor to ensure the non-State agency is an authorized Extended Purchasing member prior to extending the State Contract price.

BIDDER MUST CHECK ONE BOX BELOW

- Commodities and/or services on this Request for Quotation will be supplied to State of Michigan departments and agencies, and authorized Extended Purchasing Program members in accordance with the terms and prices quoted. Upon request, a complete listing of eligible participants in the Extended Purchasing Program will be provided if this option is selected.
- Commodities and/or services on the Request for Quotation will not be supplied to State of Michigan authorized Extended Purchasing members. We will supply to State of Michigan departments and agencies only.

Carrier & Gable, Inc.

Vendor Name

Frank Carrier

Authorized Agent Name (print or type)


Authorized Agent Signature

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
001	EA	210-45-16-0807	BOXES , Pull, Concrete, Used To Connect Underground Conduit. Light Duty, 17" X 11" X 12", Low Pressure Structural Foam Molded, Hdpe, Color Gray, Logo Shall Be Traffic Signal, With T.S. Lid. Brand Name: <u>Brooks</u> Product #: <u>KDPE1419-12, TS LID 104-1007</u>	\$ <u>19.57</u>
002	EA	210-45-16-2902	BOXES , Pull, Used To Connect Underground Conduit. 25"L X 15.2"W X 18"H, Polymer Concrete Hand Hole, Reinforced With Heavy Weave Fiberglass, Without Lid. Brand Name: <u>Quazite</u> Product #: <u>PG1324BA18</u>	\$ <u>96.75</u>
003	EA	210-45-16-3751	BOXES , Pull, Used To Connect Underground Conduit. 32.3"L X 19.3"W X 18"H Polymer Concrete Hand Hole, Reinforced With Heavy Weave Fiberglass, Without Lid. Brand Name: <u>Quazite</u> Product #: <u>PG1730BA18</u>	\$ <u>120.85</u>
004	EA	550-14-75	SIGNS , Message, Fiber Optic, Changeable. Open/Closed Fiber Optic Sign; Legends Shall Be Two Messages: Message 1 - Open; Message 2 - Closed. Size 102" X 20-3/4" Brand Name: <u>NS&S</u> Product #: <u>1W102X20.75</u>	\$ <u>3,981.25</u>
005	EA	550-14-75	SIGNS , Message, Blank Out Sign; 1-Way, 24" X 30". 1-Message, 1 Color, Fiber Optic Blank Out Sign. Brand Name: <u>NS&S</u> Product #: <u>1W24X301MF.0.</u>	\$ <u>1,392.30</u>
006	EA	550-14-75	SIGNS , Message, Blank Out Sign; 1-Way, 24" X 30", 1-Message, 2 Color, Fiber Optic Blank Out Sign. Brand Name: <u>NS&S</u> Product #: <u>1W24X301MF.0.</u>	\$ <u>1,547.50</u>
007	EA	550-14-75	SIGN , Message, Fiber Optic School Speed Limit, 24" X 36" With Dimmer Circuit, Open/Close MDOT Std. Fiber Optic Sign Specifications. Must Specify Speed Limit With Order. Brand Name: <u>NS&S</u> Product #: <u>1W24X36SCHF.0.</u>	\$ <u>2,818.75</u>
008	EA	550-14-75	CROSSWALK SIGN , 8 Foot, 2-Way, Internally Illuminated, With Yellow Faces With Black Symbol And Legend; Includes Free Swinging Bracket Assembly; Yellow Housing Body. Brand Name: <u>NS&S</u> Product #: <u>180XWALK2W</u>	\$ <u>1,055.50</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
009	EA	550-80-58	PUSH BUTTON , Pedestrian, Yellow, Die Cast Aluminum, To Be Used With Pedestrian Actuated Controllers, Highly Vandal Resistant, Piezo Electric Pressure Switch With Audible Tone And Momentary Led Light, Polycarbonate Housing, Color Shall Be Yellow. Brand Name: <u>Polara</u> Product #: <u>BLDGM</u>	\$ <u>85.20</u>
010	EA	550-80-58-1709	PUSH BUTTON , Pedestrian, Yellow, Die Cast Aluminum, To Be Used With Pedestrian Actuated Controllers, Able To Withstand Extremely Hard Service, Color Shall Be Yellow. Brand Name: <u>Pelco</u> Product #: <u>SP5433P29</u>	\$ <u>31.85</u>
011	EA	550-81-30	CONTROLLER , Traffic Signal, Epac, 4-Phase Terminal Fac, Convertible 30" Side Of Pole Or Base Mount Cabinet New Lightning Arrester, Cabinet Painted Inside And Out, 16-Channel Detector Card Rack. Brand Name: <u>Eagle</u> Product #: <u>EPAC3608M30/EL702S1/WR</u>	\$ <u>5,967.00</u>
012	EA	550-81-30	CONTROLLER , Traffic Signal, Epac, 8-Phase Terminal Fac, Convertible 30" Side Of Pole Or 44" Base Mounted "P" Cabinet, New Lightning Arrester, Cabinet Painted Inside And Out, 16-Channel Detector Card Rack. Brand Name: <u>Eagle</u> Product #: <u>EPAC3608M30/EL712CG/WR</u>	\$ <u>7,979.50</u>
013	EA	550-81-30	CONTROLLER , Traffic Signal, Solid State, Pre-Timed, Interval Oriented, Base Mount Cabinet Nema N6, P-44, New Lightning Arrester; Painted Cabinet (Inside And Out); No Rack. Brand Name: <u>Eagle</u> Product #: <u>EPIC1410M01/EL712CG</u>	\$ <u>6,723.25</u>
014	EA	550-81-30	MASTER CONTROLLER , Traffic Signal Master Area Responsive Controller, Solid State Mechanism Only. Brand Name: <u>Eagle</u> Product #: <u>MARC330M30</u>	\$ <u>2,913.35</u>
015	EA	550-81-30	PUSH BUTTON ISOLATOR . Brand Name: <u>PDC</u> Product #: <u>DCI82242</u>	\$ <u>39.15</u>
016	EA	550-81-30	CUBED LOADSWITCH . Brand Name: <u>TSC</u> Product #: <u>300 I/O</u>	\$ <u>35.00</u>
017	EA	550-81-30	DETECTOR , 2 Channel, With Delay And Extend Timer; Ts1/Ts2 Brand Name: <u>3M</u> Product #: <u>151-C822T</u>	\$ <u>440.00</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
018	EA	550-81-30	DETECTOR , 4-Channel, With Delay And Extend Timer; Ts1/Ts2 Brand Name: <u>3M</u> Product #: <u>151-C824T</u>	\$ <u>585.00</u>
019	EA	550-81-30	SINGLE PROBE , Non-Invasive Micro-Loop, With 50 Foot Length Of Lead In Cable. Brand Name: <u>3M</u> Product #: <u>M702-1-50</u>	\$ <u>190.95</u>
020	EA	550-81-30	DUAL PROBE , Non-Invasive Micro-Loop, With 4 Foot Spacing And 50 Foot Length Of Lead In Cable. Brand Name: <u>3M</u> Product #: <u>M702-2-50-4</u>	\$ <u>362.75</u>
021	EA	550-81-30	TRIPLE PROBE , Non-Invasive Micro-Loop, With 4 Foot Spacing And 50-Foot Length Of Lead In Cable. Brand Name: <u>3M</u> Product #: <u>M702-3-50-4-4</u>	\$ <u>667.85</u>
022	EA	550-81-30	INSTALLATION KIT , Non-Invasive Micro-Loop. Brand Name: <u>3M</u> Product #: <u>78-8114-5717-1</u>	\$ <u>114.00</u>
023	EA	550-81-30	CARRIER CARTRIDGES , Non-Invasive Micro-Loop, 50 Cartridges. Brand Name: <u>3M</u> Product #: <u>78-8118-6124-0</u>	\$ <u>385.00</u>
024	EA	550-81-30	DETECTOR SYSTEM , Video Processor In Rack, 4 Camera Inputs, 115vac Includes Ts1 Cable, Manual, Mouse, Software, Power Cable And Opto-Isolated Detector Outputs. Brand Name: <u>Iteris</u> Product #: <u>VAN-BR41</u>	\$ <u>11,000.00</u>
025	EA	550-81-30	DETECTOR SYSTEM , Video Processor In Rack, 6 Camera Inputs, 115vac Includes Ts1 Cable, Manual, Mouse, Software, Power Cable And Opto- Isolated Detector Outputs. Brand Name: <u>Iteris</u> Product #: <u>VAN-BR61</u>	\$ <u>15,358.00</u>
026	EA	550-81-30	DETECTOR SYSTEM , Shelf Mounted, Video Processor, 1 Camera Input, 115vac Includes TS1 Cable, Manual, Mouse, Software, Power Cable And Opto-Isolated Detector Outputs. Brand Name: <u>Iteris</u> Product #: <u>VANI1</u>	\$ <u>2,862.00</u>
027	EA	550-81-30	DETECTOR SYSTEM , Video Processor, For Rack Mount, 1 Camera Input And Opto-Isolated Detector Outputs. Brand Name: <u>Iteris</u> Product #: <u>EDGE2-1CH</u>	\$ <u>2,569.00</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
028	EA	550-81-30	DETECTOR SYSTEM , Video Processor, For Rack Mount, 2 Camera Input And Opto-Isolated Detector Outputs. Brand Name: <u>Iteris</u> Product #: <u>EDGE2-2CH</u>	\$ <u>4,366.00</u>
029	EA	550-81-30	DETECTOR SYSTEM , Video Processor Extension Module, For Rack Mount, 2 Channel And Opto-Isolated Detector Outputs. Brand Name: <u>Iteris</u> Product #: <u>EXIMOD-2CH</u>	\$ <u>358.00</u>
030	EA	550-81-30	DETECTOR SYSTEM , Video Processor Extension Module, For Rack Mount, 4 Channel And Opto-Isolated Detector Outputs. Brand Name: <u>Iteris</u> Product #: <u>EXIMOD-4CH</u>	\$ <u>398.00</u>
031	EA	550-81-30	DETECTOR , Video Camera, 8 Outputs, 24 Loop Capable, With Delay And Extend Timer, Ts1/Ts2 For Coaxial Cable. Brand Name: <u>Iteris</u> Product #: <u>CAM-RZ3</u>	\$ <u>1,761.00</u>
032	EA	550-81-30	DETECTOR , Wireless Video Camera, 8 Outputs, 24 Loop Capable, With Delay And Extend Timer; Ts1/Ts2 Brand Name: <u>Iteris</u> Product #: <u>CAM-RZ3W</u>	\$ <u>2,422.00</u>
033	EA	550-81-30	LENS ADJUST MODULE , Video Camera Without Display, With Piggy Back Cable. Brand Name: <u>Iteris</u> Product #: <u>ADJUST3</u>	\$ <u>429.00</u>
034	EA	550-81-30	MONITOR , Video Camera Input, B&W, 9 Inch. Brand Name: <u>Ultrak</u> Product #: <u>KM0900MN</u>	\$ <u>124.00</u>
035	EA	550-81-30	CABLE HARNESS , Sdlc, 3 Foot Length For Epac Controller Brand Name: <u>Eagle</u> Product #: <u>ABW12071P036</u>	\$ <u>52.56</u>
036	EA	550-81-30	D MODULE , Sdlc Port 1, For Epac Controller. Brand Brand Name: <u>Eagle</u> Product #: <u>AAD11707/P003</u>	\$ <u>540.00</u>
037	EA	550-81-30	RADIO MASTER KIT . Complete With Rf Jumper Cable; 3/8" Cable Connectors 3/8" Water Tight Radio Cable; Polyphaser Surge Protection; (2) 10db Yagi Antennas; Sop Mounting Bracket For Steel Or Wood; D Module W/2nd Rs232 Epac M30, Cable Modem Epac 3101; Power Divider; Radio And 13.8vdc Power Supply. Brand Name: <u>Eagle</u> Product #: <u>150-5200-YAGI</u>	\$ <u>2,453.10</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
038	EA	550-81-30	RADIO MASTER KIT. Complete With Rf Jumper Cable; 3/8" Cable Connectors 3/8" Water Tight Radio Cable; Polyphaser Surge Protection; (2) 10db Yagi Antennas; Sop Mounting Bracket For Steel Or Wood; "D" Module W/2nd Rs232 Epac M30, Cable Modem Epac 3101; Power Divider; Radio And Power Cube; Fsk Cable. Brand Name: <u>Eagle</u> Product #: <u>101-5100-YAGI</u>	\$ <u>3,090.75</u>
039	EA	550-81-30	POWER DIVIDER, Dual Antenna Mounting Device. Brand Name: <u>Pasternak</u> Product #: <u>PE2047</u>	\$ <u>206.20</u>
040	EA	550-81-30	CABLE, Water Proof, 3/8" Radio Use - 100' Brand Name: <u>Times</u> Product #: <u>TMC-EZ400NMH</u>	\$ <u>7.88</u>
041	EA	550-81-30	"D" OPTION BOARD ASSEMBLY, For Eagle Epac/Epic Controllers, 2nd Rs-232 Brand Name: <u>Eagle</u> Product #: <u>AAD11112P015</u>	\$ <u>202.10</u>
042	EA	550-81-30	"D" OPTION BOARD ASSEMBLY, For Eagle Marc Master Controllers, 2nd Rs-232 Brand Name: <u>Eagle</u> Product #: <u>AAD11112P033</u>	\$ <u>272.50</u>
043	EA	550-81-30	POWER SUPPLY, Shelf Mount, 13.8 Vdc, For Use With 120vac Duplex. Brand Name: <u>Tripp Lite</u> Product #: <u>50F5009</u>	\$ <u>38.75</u>
044	EA	550-81-30	ANTENNA, Omni Directional, 3 Db Gain Brand Name: <u>Antenex</u> Product #: <u>AN-160</u>	\$ <u>195.90</u>
045	EA	550-81-30	ANTENNA, Omni Directional, 6 Db Gain Brand Name: <u>Antenex</u> Product #: <u>AN-159</u>	\$ <u>186.00</u>
046	EA	550-81-30	ANTENNA, Omni Directional, 9 Db Gain Brand Name: <u>Scala</u> Product #: <u>905-915</u>	\$ <u>1,118.79</u>
047	EA	550-81-30	ANTENNA, Yagi Directional, 10 Db Gain Brand Name: <u>Scala</u> Product #: <u>AN-158</u>	\$ <u>220.00</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
048	EA	550-81-30	<p>FLASHER, 24 Hour, Solar Powered With 7 Day Battery Back Up; For Use With Advance Warning Signs; 460 Watt Solar Array, (4) 100 Amp/Hour Gell Cell Batteries, Auto Sequencing Charger; (2) 12" 12 Volt Dc Led Amber Signals; 15' Aluminum Pedestal And Base Kit With 0.75" X 18" Anchor Bolts And Reinforcing Base Collar; Includes Flasher Cabinet (26"H X 17"W X 16"D) And 2 Ckt 12 Volt Dc Flasher. (For Locations South Of Port Huron) Brand Name: <u> Pelco </u> Product #: <u> 173-103-460 </u></p>	\$ <u>6,636.26</u>
049	EA	550-81-30	<p>FLASHER, 24 Hour, Solar Powered With 7 Day Battery Back Up; For Use With Advance Warning Signs; 960 Watt Solar Array, (4) 100 Amp/Hour Gell Cell Batteries, Auto Sequencing Charger; (2) 12" 12 Volt DC Led Amber Signals; 14' Tapered Steel Pole And 12.75" Bolt Circle Base Plate With 1.125" X 30" Anchor Bolts; Includes Flasher Cabinet (26"H X 17"W X 16"D) And 2 Ckt 12 Volt DC Flasher. (For Locations North Of Port Huron) Brand Name: <u> Pelco </u> Product #: <u> 173-103-960 </u></p>	\$ <u>9,568.81</u>
050	EA	550-81-30	<p>FLASHER, 24 Hour, Solar Powered With 14 Day Battery Back Up; For Use With Advance Warning Signs; 345 Watt Solar Array, (4) 100 Amp/Hour Gell Cell Batteries, Auto Sequencing Charger; (1) 12" 12 Volt DC Led Amber Signals; 15' Aluminum Pedestal And Base Kit With 0.75" X 18" Anchor Bolts And Reinforcing Base Collar; Includes Flasher Cabinet (26"H X 17"W X 16"D) And 2 Ckt 12 Volt Dc Flasher. (For Any Location In Michigan) Brand Name: <u> Pelco </u> Product #: <u> 173-103-345 </u></p>	\$ <u>5,486.42</u>
051	EA	550-81-30	<p>FLASHER, 90 Watt, Solar Powered With 12 Day Battery Back Up; For Use With Radio Interconnect And (1) 12" 12 Volt DC Amber Led; 90 Watt Solar Array, 4410 Receiver Radio; 10 Db Yagi Antenna; Antenna Mounting Hardware; 15' Coaxial Cable And Related Connectors (1) 100 Amp/Hour Gell Cell Battery, Auto Sequencing Charger; (2) 12" 12 Volt DC Led Amber Signals; 15' Aluminum Pedestal And Base Kit With 0.75" X 18" Anchor Bolts And Reinforcing Base Collar; Includes Flasher Cabinet (26"H X 17"W X 16"D) And 2 Ckt 12 Volt Dc Flasher (For Any Location In Michigan). Brand Name: <u> Pelco </u> Product #: <u> 173-103-460 </u></p>	\$ <u>5,005.69</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
052	EA	550-81-30-2261	CONTROLLER , Traffic Signal, Epac, 4-Phase Terminal Fac; M-30 Side Of Pole Cabinet, New Lightening Arrestor; Painted Cabinet (Inside & Out); No Rack. Brand Name: <u>Eagle</u> Product #: <u>EPAC3608M30/EL702CG</u>	\$ <u>5,909.75</u>
053	EA	550-81-30-2279	CONTROLLER , Traffic Signal, Epac, 8-Phase Terminal Fac, Nema N6 44" Base Mounted "P" Cabinet, New Lightening Arrestor, Cabinet Painted Inside And Out, No Rack. Brand Name: <u>Eagle</u> Product #: <u>3608M30/EL712CG</u>	\$ <u>7,503.25</u>
054	EA	550-81-30-2287	CONTROLLER , Traffic Signal, Epac, 8-Phase Timer Mechanism Only. Brand Name: <u>Eagle</u> Product #: <u>EPAC3608M30</u>	\$ <u>1,847.00</u>
055	EA	550-81-30-2295	CONTROLLER , Traffic Signal, Solid State, Pre-Timed, Interval Oriented, M-30 Side Of Pole Cabinet, New Lightening Arrestor; Painted Cabinet (Inside And Out); No Rack. Brand Name: <u>Eagle</u> Product #: <u>EPIC1410M01/EL702CG</u>	\$ <u>5,463.50</u>
056	EA	550-81-30-2303	CONTROLLER , Traffic Signal, Solid State, Timer Mechanism Only, Pre-Timed, Interval Oriented. Brand Name: <u>Eagle</u> Product #: <u>EPIC1410M01</u>	\$ <u>1,753.70</u>
057	EA	550-81-30-7302	SOCKET , Controller Module, For PC642 Lightning Protector. Brand Name: <u>Edco</u> Product #: <u>PCB1B</u>	\$ <u>10.00</u>
058	EA	550-81-34-6672	RELAY , Flash Transfer, For Use With Nema Traffic Controllers, Dpdt 20 Amp Contacts, Encapsulated For Dust-Free Operation. Brand Name: <u>Eagle</u> Product #: <u>PAR2018</u>	\$ <u>23.00</u>
059	EA	550-81-51-7009	MONITORS , Traffic Controller, Signal Sequence, 6 Channel, Nema Type Conflict/Voltage, LCD Display. Brand Name: <u>EDI</u> Product #: <u>SSM-6LE</u>	\$ <u>562.60</u>
060	EA	550-81-51-7207	MONITORS , Traffic Controller, Signal Sequence, 12 Channel, Nema Type Conflict/Voltage, LCD Display Brand Name: <u>EDI</u> Product #: <u>SSM-12LE</u>	\$ <u>651.70</u>
061	EA	550-81-79	SURGE PROTECTOR , Pc-642 30 V 111-0642 - Data/Signal, 30 V, Plug In Module Type. Brand Name: <u>Edco</u> Product #: <u>PC624-30V</u>	\$ <u>38.40</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
062	EA	550-81-79	POWER SUPPLY , For Card Rack, 120 Vac, Model C800is Brand Name: <u>3M</u> Product #: <u>151-R124</u>	\$ <u>267.00</u>
063	EA	550-81-79	POWER SUPPLY , Shelf Mount Video Processor, 1 Amp, 115vac To 24vdc Brand Name: <u>Iteris</u> Product #: <u>PWRSPLY1</u>	\$ <u>342.00</u>
064	EA	550-81-79	POWER SUPPLY , Shelf Mount Video Processor, 2.5 Amp, 115vac To 24vdc Brand Name: <u>Iteris</u> Product #: <u>PWRSPLY2.5</u>	\$ <u>578.00</u>
065	EA	550-81-79	SURGE PROTECTOR , Video Coaxial. Brand Name: <u>Edco</u> Product #: <u>CXI-05</u>	\$ <u>51.70</u>
066	EA	550-81-79	SURGE SUPPRESSION , Polyphaser In Line. Brand Name: <u>PolyPHaser</u> Product #: <u>IS-50NX-C2</u>	\$ <u>62.00</u>
067	EA	550-81-79	BATTERY , 100 Amp Hour Gell Cell Battery For Use With Solar Charged Systems. Brand Name: <u>RTC</u> Product #: <u>173-100AH</u>	\$ <u>214.10</u>
068	EA	550-81-79	SOLAR PANEL , 90 Watt Array, For Use With Solar Charged, DC Battery Systems. Brand Name: <u>RTC</u> Product #: <u>90WDCARY</u>	\$ <u>685.94</u>
069	EA	550-81-79	SOLAR PANEL , 115 Watt Array, For Use With Solar Charged, DC Battery Systems Brand Name: <u>RTC</u> Product #: <u>115WDCARY</u>	\$ <u>808.16</u>
070	EA	550-81-79	SOLAR PANEL , 345 Watt Array, For Use With Solar Charged, DC Battery Systems. Brand Name: <u>RTC</u> Product #: <u>345WDCARY</u>	\$ <u>2,424.52</u>
071	EA	550-81-79	SOLAR PANEL , 460 Watt Array, For Use With Solar Charged, DC Battery Systems. Brand Name: <u>RTC</u> Product #: <u>460WDCARY</u>	\$ <u>3,232.67</u>
072	EA	550-81-79	SOLAR PANEL , 960 Watt Array For Use With Solar Charged, DC Battery Systems. Brand Name: <u>RTC</u> Product #: <u>960WDCARY</u>	\$ <u>4,848.98</u>
073	EA	550-81-79-0507	SURGE PROTECTOR FOR TRAFFIC SIGNALS , 8 Volt, Data/Signal, Plug In Module Type. Brand Name: <u>Edco</u> Product #: <u>PC6428V</u>	\$ <u>37.20</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
074	EA	550-82-55-1007	CABINET , Count Station, "M", 51 Inch X 30 Inch X 18 Inch, Door Has Corbin Lock And No Compartment Switch, Gray Exterior And Riser Base, 2 Shelves, Back Panel With Two 15 Amp Circuit Breakers, One GFI Duplex Surge Arrestor And Ground Bus, Lamp Base, 250 Watt Heater With Fan And Thermostat. Brand Name: <u>Eagle</u> Product #: <u>EL702EMCS</u>	\$ <u>2,728.75</u>
075	EA	550-82-55-1056	CABINET , Count Station, "P", 56 Inch X 44 Inch X 27.5 Inch, Door Has Corbin Lock And No Compartment Switch, Gray Exterior And Riser Base. Includes Two Shelves, Back Panel With Two 15 Amp Circuit Breakers, One GFI Duplex, Surge Arrestor And Ground Bus, Lamp Base, 250 Watt Heater With Fan And Thermostat. Brand Name: <u>Eagle</u> Product #: <u>EL712EMCS</u>	\$ <u>3,166.25</u>
076	EA	550-85-47	SHAFT , Traffic Signal Pedestal, Pedestrian Support, 8 Foot Extruded Aluminum Pole (Shaft) Brand Name: <u>Pelco</u> Product #: <u>PB5100-08</u>	\$ <u>109.93</u>
077	EA	550-85-47	SHAFT , Traffic Signal Pedestal, Pedestrian Support, 9 Foot Extruded Aluminum Pole (Shaft) Brand Name: <u>Pelco</u> Product #: <u>PB5100-09</u>	\$ <u>115.83</u>
078	EA	550-85-47	SHAFT , Traffic Signal Pedestal, Pedestrian Support, 11 Foot Extruded Aluminum Pole (Shaft) Brand Name: <u>Pelco</u> Product #: <u>PB5100-11</u>	\$ <u>142.29</u>
079	EA	550-85-47	SHAFT , Traffic Signal Pedestal, Pedestrian Support, 15 Foot Extruded Aluminum Pole (Shaft) Brand Name: <u>Pelco</u> Product #: <u>PB5100-15</u>	\$ <u>193.81</u>
080	EA	550-85-47	SHAFT , Traffic Signal Pedestal, Pedestrian Support, 16 Foot Extruded Aluminum Pole (Shaft) Brand Name: <u>Pelco</u> Product #: <u>PB5100-16</u>	\$ <u>206.18</u>
081	EA	550-85-47	BASE , Square Pedestal, Pedestrian Support, Aluminum W/Grounding Lug & Set Screw. Brand Name: <u>Pelco</u> Product #: <u>SP-5326-PNC</u>	\$ <u>97.00</u>
082	EA	550-85-47	BASE , Octagonal Pedestal, Pedestrian Support, Aluminum W/ Grounding Lug And Set Screw. Brand Name: <u>Pelco</u> Product #: <u>SP-5344-PNC</u>	\$ <u>103.88</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
083	EA	550-85-47-0502	TRAFFIC SIGNAL PEDESTAL , Pedestrian Support, With 11 Foot Extruded Aluminum Pole (Shaft), With Anchor Bolts And Nuts. Brand Name: <u>Pelco</u> Product #: <u>PB5301, PB5100-11</u>	\$ <u>248.85</u>
084	EA	550-85-56	TRAFFIC SIGNAL TAPERED POLE , Steel, 14 Foot Length, Hand Hole, Cover, Anchor Base And Anchor Bolts; 12.75 Inch Base Bolt Circle And 4.5 Inch Diameter Pole Top. Per 1994 AASHTO Standards. Brand Name: <u>Pelco</u> Product #: <u>AP02-14-12.75</u>	\$ <u>1,163.85</u>
085	EA	550-85-56-5806	TRAFFIC SIGNAL STRAIN POLE , Steel, 30 Foot Length, With Top Cap, Hand Holes, Covers, Anchor Base And Anchor Bolts, Shall Include 4 Anchor Bolts Per Pole. Per 1994 AASHTO Standards. Brand Name: <u>Valmont</u> Product #: <u>30'</u>	\$ <u>1,809.72</u>
086	EA	550-85-56-6309	TRAFFIC SIGNAL STRAIN POLE , Steel, 36 Foot Length, With Top Cap, Hand Holes, Covers, Anchor Base, And Anchor Bolts, Shall Include 4 Anchor Bolts Per Pole. Per 1994 AASHTO Standards. Brand Name: <u>Valmont</u> Product #: <u>36'</u>	\$ <u>2,157.50</u>
087	EA	550-85-56-6507	TRAFFIC SIGNAL STRAIN POLE , Steel, 40 Foot Length, With Top Cap, Hand Holes, Covers, Anchor Base And Anchor Bolts, Shall Include 4 Anchor Bolts Per Pole. Per 1994 AASHTO Standards. Brand Name: <u>Valmont</u> Product #: <u>40'</u>	\$ <u>3,083.75</u>
088	EA	550-85-69	ANCHOR BOLT, PEDESTAL BASE , 0.75 Inch X 18 Inch X 3.5 Inch; Set Of Four (4) Bolts With Washers And Nuts. Brand Name: <u>Foundation Systems</u> Product #: <u>0.75X18X3.5</u>	\$ <u>76.50</u>
089	EA	550-85-69	ANCHOR BOLT , Mast Arm Foundation, 1.75 Inch Diameter X 114 Inch X 6 Inch. Set of Four (4) Bolts with Washers and Nuts Brand Name: <u>Anchor Bolt, Inc.</u>	\$ <u>477.71</u>
090	EA	550-85-69	ANCHOR BOLT, STEEL POLE BASE , 1.125 Inch X 30 Inch X 5 Inch. Set Of Four (4) Bolts With Washer And Nuts. Brand Name: <u>Pelco</u> Product #: <u>103-1.125X30X5</u>	\$ <u>158.10</u>
091	EA	550-85-69	REINFORCING COLLAR , Aluminum Base And Shaft Reinforcing Collar. Brand Name: <u>Pelco</u> Product #: <u>PB-5325-ALO</u>	\$ <u>46.08</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
092	EA	550-85-69	CLAMP , Pole Strain, 8.5-Inch Diameter. For Use With Steel Strain Poles. Brand Name: <u>Pelco</u> Product #: <u>AP-1054-GLV</u>	\$ <u>60.26</u>
093	EA	550-85-69	CLAMP , Pole Strain, 9.5-Inch Diameter. For Use With Steel Strain Poles. Brand Name: <u>Pelco</u> Product #: <u>AP-1055-GLV</u>	\$ <u>60.26</u>
094	EA	550-85-69-0760	ANCHOR BOLT, STEEL STRAIN POLE , 1.75 Inch Diameter X 114 Inch X 6 Inch Brand Name: <u>Foundation Systems</u> Product #: <u>1.75X114X6AB</u>	\$ <u>333.21</u>
095	EA	550-85-69-1263	CLAMP , Pole Strain, 7.5-Inch Diameter. For Use With Steel Strain Pole Brand Name: <u>Pelco</u> Product #: <u>AP-1023-GLV</u>	\$ <u>55.10</u>
096	EA	550-85-69-1271	CLAMP , Pole Strain, 10.75-Inch Diameter. For Use With Steel Strain Poles. Brand Name: <u>Pelco</u> Product #: <u>AP-1056-GLV</u>	\$ <u>60.26</u>
097	EA	550-88-13-1002	CABINET , Flasher, Weatherproof, Cast Aluminum, Weather Tight Seal Around All Doors For Maximum Protection, Smooth Exterior Surface, Lock For Doors With Two Keys, Painted Aluminum, No Holes, Minimum Inside Dimension To Be 10-3/16 Inch Width By 13-11/16 Inch Height By 6-21/32 Inch Depth. Brand Name: <u>Temple</u> Product #: <u>EL-240</u>	\$ <u>143.70</u>
098	EA	550-88-14	CABLE , Micro-Loop Lead-In, 2 Pair 18 Awg. Brand Name: <u>3M</u> Product #: <u>C30003</u>	\$ <u>.39</u>
099	EA	550-88-14	POWER JUMPER CABLE , 18 Inch, Video Camera W/Connector Brand Name: <u>Iteris</u> Product #: <u>PIGIAIN</u>	\$ <u>38.00</u>
100	EA	550-88-14	POWER TAKE OFF , Video Camera, Luminaire W/Arrestor. Brand Name: <u>Iteris</u> Product #: <u>IUMRPT01</u>	\$ <u>167.00</u>
101	EA	550-88-14	CONNECTOR WITH 12 PINS , And Shell. Brand Name: <u>Iteris</u> Product #: <u>DEUISCHCONN</u>	\$ <u>31.00</u>
102	EA	550-88-14	CABLE , Video Coaxial, 8281, 500-Foot Reel. Brand Name: <u>Belden</u> Product #: <u>8281</u>	\$ <u>300.00</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
103	EA	550-88-14	CABLE , Video Camera Power, 2 Conductor With Ground, Imsa20-1, 500 Foot Reel. Brand Name: <u>3COM</u> Product #: <u>IMSA20-1</u>	\$ <u>127.00</u>
104	EA	550-88-14	CABLE , Video Camera Combination Power And Coaxial, 500-Foot Reel. Brand Name: <u>Precision Telekon</u> Product #: <u>16-3C/500</u>	\$ <u>397.00</u>
105	EA	550-88-14	CABLE , Video Camera Combination Power And Coaxial, 1000-Foot Reel. Brand Name: <u>Precision Telekon</u> Product #: <u>16-3C/1000</u>	\$ <u>794.00</u>
106	EA	550-88-14	JUMPER CABLE , Polyphaser To Radio. Brand Name: <u>Encom</u> Product #: <u>CB-1018</u>	\$ <u>16.86</u>
107	EA	550-88-14	CABLE , Water Proof, 3/8" Radio Use - 100' Brand Name: <u>Times</u> Product #: <u>IMR-400DB</u>	\$ <u>63.00</u>
108	EA	550-88-14	CABLE HARNESS , Rs-232 Radio To Controller. Brand Name: <u>Eagle</u> Product #: <u>EPAC/EPIC/RADIO</u>	\$ <u>43.25</u>
109	EA	550-88-14	CABLE HARNESS , Fsk Radio To Comm. Panel Brand Name: <u>Eagle</u> Product #: <u>D Option Panel/Radio</u>	\$ <u>43.25</u>
110	EA	550-88-14	TRAFFIC SIGNAL BRACKET ONLY MOUNTING ASSEMBLY , 12 Inch Top, 3 Section, 1w3c Mast Arm Mount, Astro-Brac With 46 Inch Gusset Tube, Clamp Kit And Vinyl Insert And End Cap. Brand Name: <u>Pelco</u> Product #: <u>AB1W3CMA</u>	\$ <u>92.95</u>
111	EA	550-88-14	TRAFFIC SIGNAL BRACKET ONLY MOUNTING ASSEMBLY , 12 Inch Top, 4 Section 1w3c With 12x27 Case Sign, Mast Arm Mount, Astro-Brac With 58 Inch Gusset Tube, Clamp Kit And Vinyl Insert And End Cap. Brand Name: <u>Pelco</u> Product #: <u>AB1W4CCSMA</u>	\$ <u>130.40</u>
112	EA	550-88-14	TRAFFIC SIGNAL BRACKET ONLY MOUNTING ASSEMBLY , 12 Inch Top, 5 Section (Dog House) 1w5c, Mast Arm Mount, Astro-Brac With 46 Inch Gusset Tube, Clamp Kit And Vinyl Insert And End Cap. Brand Name: <u>Pelco</u> Product #: <u>AB1W5CMA</u>	\$ <u>174.25</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
113	EA	550-88-14	TRAFFIC SIGNAL BRACKET ONLY MOUNTING ASSEMBLY , 12 Inch Top, 5 Section, (Dog House) 1w5c With 12x27 Case Sign, Mast Arm Mount, Astro-Brac With 58 Inch Gusset Tube, Clamp Kit And Vinyl Insert And End Cap. Brand Name: <u>Pelco</u> Product #: <u>AB1W5CCSMA</u>	\$ <u>179.45</u>
114	EA	550-88-14	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 12 Inch Top-Short, 5 Section (Dog House) Brand Name: <u>Pelco</u> Product #: <u>SE5059-P29</u>	\$ <u>38.25</u>
115	EA	550-88-14	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 12 Inch Top-Long, 5 Section (Dog House). Brand Name: <u>Cost Cast</u> Product #: <u>1902XL-C</u>	\$ <u>83.65</u>
116	EA	550-88-14	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 12 Inch Bottom-Short, 5 Section (Dog House) Brand Name: <u>Pelco</u> Product #: <u>SE5060-P29</u>	\$ <u>16.50</u>
117	EA	550-88-14	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 12-Inch Bottom-Short, 5 Section (Dog House) For Use With Center Stud. Brand Name: <u>Cost Cast</u> Product #: <u>1902B-C</u>	\$ <u>23.85</u>
118	EA	550-88-14	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 12-Inch Bottom-Long, 5 Section (Dog House) For Use With Center Stud. Brand Name: <u>Cost Cast</u> Product #: <u>1902XL-C</u>	\$ <u>54.45</u>
119	EA	550-88-14	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 12 Inch T Bottom, 5 Section (Dog House) For Use W/ Spacer Brand Name: <u>Cost Cast</u> Product #: <u>1903B</u>	\$ <u>51.45</u>
120	EA	550-88-14	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , Spacer Bracket, 5 Section (Dog House) Brand Name: <u>Cost Cast</u> Product #: <u>19812</u>	\$ <u>24.85</u>
121	EA	550-88-14	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 12 Inch Top And Bottom, Brackets Only, 2wsa With Center Stud Attachment For A6 Mount. Brand Name: <u>Pelco</u> Product #: <u>SPA6MI</u>	\$ <u>226.20</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
122	EA	550-88-14	BRACKETS ONLY , 12 Inch, 1w Pedestrian Brand Name: <u> Pelco </u> Product #: <u> PMPSB2M </u>	\$ <u>63.55</u>
123	EA	550-88-14	CABLE GUIDE , For U1169 Pole Foot. Brand Name: <u> Pelco </u> Product #: <u> 103-7867 </u>	\$ <u>3.20</u>
124	EA	550-88-14	PINNACLE , Color Yellow Brand Name: <u> Eagle </u> Product #: <u> BK01 </u>	\$ <u>5.10</u>
125	EA	550-88-14	POLE FOOT , 4" Pole, Black, For Steel Posts Brand Name: <u> Pelco </u> Product #: <u> 103-7669 </u>	\$ <u>7.60</u>
126	EA	550-88-14-1001	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 8 Inch Bottom, 2wsa Brand Name: <u> Pelco </u> Product #: <u> SP-1030 </u>	\$ <u>9.80</u>
127	EA	550-88-14-1050	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 8 INCH BOTTOM, 3wsa Brand Name: <u> Pelco </u> Product #: <u> SP-1033 </u>	\$ <u>16.75</u>
128	EA	550-88-14-1100	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 8 INCH BOTTOM, 4wsa Brand Name: <u> Pelco </u> Product #: <u> SP-1019 </u>	\$ <u>21.75</u>
129	EA	550-88-14-1506	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 12 Inch Bottom, 2wsa Brand Name: <u> Pelco </u> Product #: <u> SP-1011 </u>	\$ <u>10.30</u>
130	EA	550-88-14-1555	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 12 Inch Bottom, 3wsa Brand Name: <u> Pelco </u> Product #: <u> SP-1014 </u>	\$ <u>19.50</u>
131	EA	550-88-14-1605	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 12 Inch Bottom, 4wsa Brand Name: <u> Pelco </u> Product #: <u> SP-1008 </u>	\$ <u>21.20</u>
132	EA	550-88-14-3007	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 8 Inch Top, 2wsa Brand Name: <u> Pelco </u> Product #: <u> SP-1029 </u>	\$ <u>66.90</u>
133	EA	550-88-14-3056	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 8 Inch Top, 3wsa (3wcsa) Brand Name: <u> Pelco </u> Product #: <u> SP-1032 </u>	\$ <u>81.20</u>
134	EA	550-88-14-3106	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 8 Inch Top, 4wsa Brand Name: <u> Pelco </u> Product #: <u> SP-1018 </u>	\$ <u>98.95</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
135	EA	550-88-14-3502	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 12 Inch Top, 2wsa Brand Name: <u>Pelco</u> Product #: <u>SP-1010</u>	\$ <u>63.75</u>
136	EA	550-88-14-3551	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 12 Inch Top, 3wsa Brand Name: <u>Pelco</u> Product #: <u>SP-1013</u>	\$ <u>83.10</u>
137	EA	550-88-14-3601	TRAFFIC SIGNAL BRACKET AND MOUNTING ASSEMBLY , 12 Inch Top, 4wsa Brand Name: <u>Pelco</u> Product #: <u>SP-1007</u>	\$ <u>101.55</u>
138	EA	550-88-17	CABINET , Nema Type Enclosure, Aluminum, 14 Inch Width X 16 Inch Height X 8-Inch Depth. Terminal Strips Arranged Top To Bottom. Brand Name: <u>Erpel</u> Product #: <u>SM161408</u>	\$ <u>406.40</u>
139	EA	550-88-17	BRACKET , Pole Mounting For Traffic Cabinets, Aluminum For Banding Or Lag Bolt Mount To Steel/Wood Poles. Brand Name: <u>Pelco</u> Product #: <u>SE0126ALO</u>	\$ <u>10.78</u>
140	EA	550-88-17	HARDWARE PACKET , For Cabinet Bracket, Pole Mounting For Traffic Cabinets, Mounting To Steel/Wood Poles. Brand Name: <u>Eagle</u> Product #: <u>MICH/POLE/PLT/HDWR.A0051</u>	\$ <u>4.05</u>
141	EA	550-88-17	CABINET , Traffic Signal Controller, 24 Circuit Det; M36 Plastic Door Gray Det; Cabinet Does Not Include Plug-Ins. Brand Name: <u>Pelco</u> Product #: <u>M36EPICM0124CKT</u>	\$ <u>4,262.50</u>
142	EA	550-88-17	CABINET , Traffic Signal Controller, 36 Circuit Det., M36 Plastic Door Gray Det, Cabinet Does Not Include Plug-Ins. Brand Name: <u>Pelco</u> Product #: <u>M36EPICM0136CKT</u>	\$ <u>5,193.75</u>
143	EA	550-88-17	CABINET , Traffic Signal, With 7466 Controller, Nema - 6 Size, Paint Gray Outside And White Inside. Brand Name: <u>Eagle</u> Product #: <u>TF-4016IM101</u>	\$ <u>6,321.40</u>
144	EA	550-88-17	CONFLICT MONITOR , 18 Channel Brand Name: <u>EDI</u> Product #: <u>SSM-18L</u>	\$ <u>1,603.00</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
145	EA	550-88-17	CABINET , 16 Load Switch Control, Complete With New Arrestor, Power Panel And Field Terminals, Painted Inside And Out, Base Mount P-Cabinet, With Rack. Brand Name: <u>Eagle</u> Product #: <u>TF-4016IMI01</u>	\$ <u>10,285.00</u>
146	EA	550-88-17	TRAFFIC CONTROLLER , No Display, Vme Buss Or Software. Brand Name: <u>Eagle</u> Product #: <u>AAZ14068P012</u>	\$ <u>3,218.75</u>
147	EA	550-88-17	ASYNC SERIAL COMM MODULE , Eia 232, For Direct Connect Brand Name: <u>Eagle</u> Product #: <u>2070-7A</u>	\$ <u>337.50</u>
148	EA	550-88-17	MODULE , Eia-485 Brand Name: <u>Eagle</u> Product #: <u>2070-7B</u>	\$ <u>350.00</u>
149	EA	550-88-17	FIELD INPUT/OUTPUT MODULE ; Old Messages Brand Name: <u>Eagle</u> Product #: <u>2070-2</u>	\$ <u>993.75</u>
150	EA	550-88-17	TRANSITION ASSEMBLY Brand Name: <u>Eagle</u> Product #: <u>2070-1TB</u>	\$ <u>231.25</u>
151	EA	550-88-17	CPU ASSEMBLY Brand Name: <u>Eagle</u> Product #: <u>2070-1MCBVME</u>	\$ <u>781.25</u>
152	EA	550-88-17	POWER SUPPLY , 2070 Standard Brand Name: <u>Eagle</u> Product #: <u>2070-4</u>	\$ <u>556.25</u>
153	EA	550-88-17	FRONT PANEL , Blank With C60 Computer Connector, No Lcd Display, No Keyboard. Brand Name: <u>Eagle</u> Product #: <u>AAD14172P003</u>	\$ <u>218.75</u>
154	EA	550-88-17	CABINET , To Include: Flash Transfer Relay, (2) Sha-1250 Surge Arrestors, 206c Power Supply, 208 Current Monitor, Oda #3, And (3) Load Switches. Brand Name: <u>Eagle</u> Product #: <u>334C</u>	\$ <u>9,525.00</u>
155	EA	550-88-17	INPUT FILE ASSEMBLY Brand Name: <u>Eagle</u> Product #: <u>8030-102224</u>	\$ <u>625.00</u>
156	EA	550-88-17	COMMUNICATIONS PANEL Brand Name: <u>Eagle</u> Product #: <u>332-1012.1</u>	\$ <u>87.50</u>
157	EA	550-88-17	DRAWER ASSEMBLY Brand Name: <u>Eagle</u> Product #: <u>D400-4</u>	\$ <u>125.00</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
158	EA	550-88-17	CABINET , To Include: Flash Transfer Relay, (2) Sha-1250 Surge Arrestors, 206c Power Supply, 208 Current Monitor, Oda #3 And (3) Loadswitches. Brand Name: <u>Eagle</u> Product #: <u>336C</u>	\$ <u>8,100.00</u>
159	EA	550-88-17	DRAWER ASSEMBLY Brand Name: <u>Eagle</u> Product #: <u>D400.1</u>	\$ <u>125.00</u>
160	EA	550-88-17-1008	CABINET , Nema Type Enclosure, Aluminum, 14 Inch Width X 16 Inch Height X 12-Inch Depth. Brand Name: <u>Erpel</u> Product #: <u>SM161412</u>	\$ <u>398.00</u>
161	EA	550-88-33	FLASHER ASSEMBLY , Nema Assembly To Include The Flasher Panel And Circuit Breakers In An EI240 Flasher Cabinet. (Must Still Add Nema Flasher For Complete Assembly). Brand Name: <u>Temple</u> Product #: <u>EP100MDOT</u>	\$ <u>297.00</u>
162	EA	550-88-33	FLASHER , 2 Circuit, DC Voltage Brand Name: <u>RTC</u> Product #: <u>DCF2</u>	\$ <u>92.85</u>
163	EA	550-88-33-3004	FLASHERS , Traffic Signal, 2 Circuit, Cap Type, Green, Mov As Brand Name: Traffic Sensor Corp. Brand Name: <u>TSC</u> Product #: <u>CF-2F</u>	\$ <u>49.00</u>
164	EA	550-88-33-5009	FLASHER , Traffic Signal, Solid State, Nema Type 1, Cube Type Flashers Containing Two Replaceable Modules Which Has All Load Switching And Flashing Circuitry Inside, Flashers Shall Be Designed For Use In Auto-Mobile Traffic Controllers In Accordance With Current Nema Standard And Fwha Standards, Using The Latest Technologies; Each Flashing Circuit Shall Contain Zero Voltage Switching, A 25 Ampere Power Triac, A Snubber, A Light Emitting Diode Cross The A.C. Circuitry Directly Indicating The A.C. Load Activated, And A Metal Oxide Varistor (Mov). Brand Name: <u>TSC</u> Product #: <u>30415</u>	\$ <u>37.00</u>
165	EA	550-88-50-1501	LOUVERS , Traffic Signal, 12 Inch, 24 Degree, Aluminum, For 12 Inch Poly Traffic Signal Head. Brand Name: <u>NS&S</u> Product #: <u>RL27</u>	\$ <u>51.25</u>
166	EA	550-88-50-1550	LOUVERS , Traffic Signal, 12 Inch, Geometrically Programmed, For 12 Inch Poly Traffic Signal Head. Brand Name: <u>Pelco</u> Product #: <u>GL1012</u>	\$ <u>167.46</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
167	EA	550-88-56	BRACKET , Universal Camera Mount, Sop Or Camera Arm Mountable. Brand Name: <u>Iteris</u> Product #: <u>CAMBRKT4</u>	\$ <u>114.00</u>
168	EA	550-88-56	BRACKET , Mast Arm Camera Mount, Includes Camera Mount Bracket, 74-Inch Gusset Tube And Astro-Brac Clamp Kit. Brand Name: <u>Pelco</u> Product #: <u>103-9150</u>	\$ <u>124.00</u>
169	EA	550-88-56	ANTENNA MOUNTING KIT , Steel Pole. Brand Name: <u>Pelco</u> Product #: <u>103-STLSOP</u>	\$ <u>42.78</u>
170	EA	550-88-56	ANTENNA MOUNTING KIT , Wood Pole. Brand Name: <u>Pelco</u> Product #: <u>103-WDSOP</u>	\$ <u>42.78</u>
171	EA	550-88-56	TRAFFIC SIGNAL MAST ARM , Steel, Clamp On, 30-Foot Length, With End Cap, Clamp Plate And Clamp Bolts. Per 1994 AASHTO Standards. Brand Name: <u>Pelco</u> Product #: <u>SMARMGVHH-300</u>	\$ <u>1,168.75</u>
172	EA	550-88-56	TRAFFIC SIGNAL MAST ARM , Steel, Clamp On, 40-Foot Length, With End Cap, Clamp Plate And Clamp Bolts. Per 1994 AASHTO Standards. Brand Name: <u>Valmont</u> Product #: <u>SMARMGVHH-400</u>	\$ <u>1,698.75</u>
173	EA	550-88-56	TRAFFIC SIGNAL MAST ARM , Steel, Clamp On, 50-Foot Length, With End Cap, Clamp Plate And Clamp Bolts. Per 1994 AASHTO Standards. Brand Name: <u>Valmont</u> Product #: <u>SMARMGVHH-500</u>	\$ <u>2,027.65</u>
174	EA	550-88-56	TRUSS ARM , 18 Foot For Steel Pole, W/U-Bolts, Galvanized Steel. Brand Name: <u>Utility Metals</u> Product #: <u>C200S180SBX</u>	\$ <u>397.58</u>
175	EA	550-88-56	TRUSS ARM , 15 Foot For Steel Pole, W/U-Bolts, Galvanized Steel. Brand Name: <u>Utility Metals</u> Product #: <u>C200S150SBX</u>	\$ <u>336.16</u>
176	EA	550-88-56	TRUSS ARM , 12 Foot For Steel Pole, W/U-Bolts, Galvanized Steel. Brand Name: <u>Utility Metals</u> Product #: <u>C200S120SBX</u>	\$ <u>268.95</u>
177	EA	550-88-56	TRUSS ARM , 9 Foot For Steel Pole, W/U-Bolts, Galvanized Steel. Brand Name: <u>Utility Metals</u> Product #: <u>C200S090SBX</u>	\$ <u>252.84</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
178	EA	550-88-56	TRUSS ARM , 6 Foot For Steel Pole, W/U-Bolts, Galvanized Steel. Brand Name: <u>Utility Metals</u> Product #: <u>C200S060SBX</u>	\$ <u>238.21</u>
179	EA	550-88-56	TRUSS ARM , 18 Foot For Wood Pole, Galvanized Steel. Brand Name: <u>Utility Metals</u> Product #: <u>C200S180SBX</u>	\$ <u>363.95</u>
180	EA	550-88-56	TRUSS ARM , 15 Foot For Wood Pole, Galvanized Steel. Brand Name: <u>Utility Metals</u> Product #: <u>C200S180SBX</u>	\$ <u>314.21</u>
181	EA	550-88-56	TRUSS ARM , 12 Foot For Wood Pole, Galvanized Steel Brand Name: <u>Utility Metals</u> Product #: <u>C200S180SBX</u>	\$ <u>245.58</u>
182	EA	550-88-56	TRUSS ARM , 9 Foot For Wood Pole, Galvanized Steel. Brand Name: <u>Utility Metals</u> Product #: <u>C200S180SBX</u>	\$ <u>230.95</u>
183	EA	550-88-56	TRUSS ARM , 6 Foot For Wood Pole, Galvanized Steel. Brand Name: <u>Utility Metals</u> Product #: <u>C200S180SBX</u>	\$ <u>214.84</u>
184	EA	550-88-56	FLANGE , For Pole Mounting Cabinet To 4.5 Inch Pole, 2-Bolt. Brand Name: <u>Pelco</u> Product #: <u>SE0425</u>	\$ <u>10.40</u>
185	EA	550-88-56	APPLICATOR GUN , For Ply Pack 3m Loop Sealant Brand Name: <u>3M</u> Product #: <u>151-1005</u>	\$ <u>139.00</u>
186	EA	550-88-56	APPLICATOR GUN , For Ply Pack, 3m Loop Sealant Brand Name: <u>Albion</u> Product #: <u>137-1006</u>	\$ <u>171.25</u>
187	EA	550-88-56-0796	PEDESTRIAN SIGNAL BRACKET ASSEMBLY , Post Top, 4 Inch Mounting With 1.5 Hub. Brand Name: <u>Pelco</u> Product #: <u>SP2008, SE3064</u>	\$ <u>42.40</u>
188	EA	550-88-56-0804	PEDESTRIAN SIGNAL BRACKET SET , Consisting Of 1 Upper Arm And 1 Lower Arm For 12 Inch Signals, 1w2c Ba Brand Name: <u>Pelco</u> Product #: <u>SP1020, SP1002</u>	\$ <u>49.75</u>
189	EA	550-88-56-0812	PEDESTRIAN SIGNAL BRACKET SET , Consisting Of 1 Upper Arm And 1 Lower Arm For 12 Inch Signals, 2w2c Brand Name: <u>Pelco</u> Product #: <u>SP1023, SP1024</u>	\$ <u>102.70</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
190	EA	550-88-56-0820	PEDESTRIAN SIGNAL BRACKET SET , Consisting Of 1 Upper Arm And 2 Lower Arms For 12 Inch Signals, 2w2c D 2m Brand Name: <u>Pelco</u> Product #: <u>SP1035, SP1020</u>	\$ <u>114.50</u>
191	EA	550-88-56-0838	PEDESTRIAN SIGNAL BRACKET SET , Consisting Of 1 Upper Arm And 1 Lower Arm For 12 Inch Signals, 2w2c Tba Brand Name: <u>Pelco</u> Product #: <u>SP1004</u>	\$ <u>117.15</u>
192	EA	550-88-56-1406	CLAMP , Cable, Suspension, Replacement Part (Do Not Substitute). Brand Name: <u>Eagle</u> Product #: <u>KA6-3</u>	\$ <u>16.25</u>
193	EA	550-88-56-1505	FITTINGS , Entrance, Multi-Way, Replacement Part (Do Not Substitute) Brand Name: <u>Eagle</u> Product #: <u>BK14</u>	\$ <u>38.62</u>
194	EA	550-88-56-1521	FITTING , Entrance, One Way Brand Name: <u>Eagle</u> Product #: <u>BK13</u>	\$ <u>35.39</u>
195	EA	550-88-56-1554	FLANGE , For Pole Mounting, 1.5 Inch Horizontal Threaded Hub And Downward, 1.25 Inch Threaded Hub For Wire Entrance Or Conduit, Cast Aluminum, For Use With 1 Inch To .75 Inch Steel Bands, Flat Black Or Bright Green. Brand Name: <u>Eagle</u> Product #: <u>U1158</u>	\$ <u>13.49</u>
196	EA	550-88-56-4509	MOUNTING STRAP , 2ood Pole, With Lag Screws, Bolts And Nuts (To Fit All Sizes Of Wooden Poles). Brand Name: <u>Eagle</u> Product #: <u>UL23</u>	\$ <u>23.30</u>
197	EA	550-88-76	PEDESTRIAN SIGNAL , Led - Bi-Modal Hand/Man, Polycarbonate, 1w1c 12 Single Section Unit Brand Name: <u>Eagle</u> Product #: <u>SA302MICHLED</u>	\$ <u>338.40</u>
198	EA	550-88-76-2004	PEDESTRIAN SIGNAL , Incandescent Type, Polycarbonate, 1w2c 12 Brand Name: <u>Eagle</u> Product #: <u>SA302EMICH</u>	\$ <u>138.75</u>
199	EA	550-88-78	VEHICULAR TRAFFIC SIGNAL , Polycarbonate, 12 Inch, 1w1c, Amber, 12 Volt DC Led Brand Name: <u>Eagle</u> Product #: <u>SA101AMICHC</u>	\$ <u>218.25</u>
200	EA	550-88-78	VEHICULAR TRAFFIC SIGNAL , 12 Inch, 1w1c, Amber, 12 Volt Dc Led Insert Module. Brand Name: <u>Dialight</u> Product #: <u>4313230005</u>	\$ <u>168.08</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
201	EA	550-88-78-1004	VEHICULAR TRAFFIC SIGNAL , Polycarbonate, 8 Inch, 1w1c, In The Following Colors: 50% Amber, 50% Red 191 Brand Name: <u>Eagle</u> Product #: <u>SA110A/EMICH</u>	\$ <u>45.00</u>
202	EA	550-88-78-1251	VEHICULAR TRAFFIC SIGNAL , Polycarbonate, 8 Inch, 1w3c, Green, Amber, Red #191 Brand Name: <u>Eagle</u> Product #: <u>SA130AMICH</u>	\$ <u>102.00</u>
203	EA	550-88-78-1509	VEHICULAR TRAFFIC SIGNAL , Polycarbonate, 12 Inch, 1w1c, In The Following Colors: 50% Amber, 50% Red #191 Brand Name: <u>Eagle</u> Product #: <u>SA101A/BMICHG</u>	\$ <u>56.25</u>
204	EA	550-88-78-1558	VEHICULAR TRAFFIC SIGNAL , Polycarbonate, 12 Inch, 1w3c, Green, Amber, Red #191 Brand Name: <u>Eagle</u> Product #: <u>SA103AMICH</u>	\$ <u>129.90</u>
205	EA	550-88-80	SIGNALS , Vehicular, Aluminum, 12 Inch, Yellow Body, 1w3c, Optically Programmable With Black Tunnel Visor. Brand Name: <u>3M</u> Product #: <u>M131371YVB</u>	\$ <u>1,735.00</u>
206	EA	550-88-80	SIGNAL VISOR , Tunnel Style, Vehicular, Polycarbonate, 12 Inch, Yellow. Brand Name: <u>Eagle</u> Product #: <u>A70012004</u>	\$ <u>10.58</u>
207	EA	550-88-80	SIGNAL VISOR , Tunnel Style, Pedestrian, Polycarbonate, 12 Inch, Black Brand Name: <u>Eagle</u> Product #: <u>PDM538</u>	\$ <u>11.30</u>
208	EA	550-88-80-1000	SIGNALS , Vehicular, Aluminum, 12 Inch, Yellow Body, 1w1c, Amber Lens, Tunnel Visor Attached. Brand Name: <u>Eagle</u> Product #: <u>SIG101B</u>	\$ <u>78.00</u>
209	EA	550-88-80-1109	SIGNALS , Vehicular, Aluminum, 12 Inch, Yellow Ody, 1w1c, Red Lens, Tunnel Visor Attached. Brand Name: <u>Eagle</u> Product #: <u>SIG101A</u>	\$ <u>78.00</u>
210	EA	550-88-80-1158	SIGNALS , Vehicular, Aluminum, 12 Inch, Yellow Body, 1w3c, Red, Amber, Green Lens, Tunnel Visor Attached. Brand Name: <u>Eagle</u> Product #: <u>SIG103A</u>	\$ <u>205.00</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
211	EA	550-88-92	RECEIVER , Wireless Video Detector, 1-Channel, Includes Antenna Assembly, Bias-T, Preamplifier, Lmr-400 Coaxial Cable, Cable Connectors, Power Adapter And Surge Protector. Brand Name: <u>Iteris</u> Product #: <u>WRCVR1</u>	\$ <u>1,514.00</u>
212	EA	550-88-92	RECEIVER , Wireless Video Detector, 2 Channel, Includes Antenna Assembly, Bias-T, Preamplifier, Lmr-400 Coaxial Cable, Cable Connectors, Power Adapter And Surge Protector. Brand Name: <u>Iteris</u> Product #: <u>WRCVR2</u>	\$ <u>2,272.30</u>
213	EA	550-88-92	RECEIVER , Wireless Video Detector, 4 Channel, Includes Antenna Assembly, Bias-T, Preamplifier, Lmr-400 Coaxial Cable, Cable Connectors, Power Adapter And Surge Protector. Brand Name: <u>Iteris</u> Product #: <u>WRCVR4</u>	\$ <u>2,942.85</u>
214	EA	550-88-92	RADIO RECEIVER SCHOOL ZONE KIT W/1 - 10 Db Yagi Antenna; Power Cube; Sop Bracket For Steel Or Wood; RF Jumper Cable; 3/8" Cable Connectors; 3/8" Water Tight Radio Cable; Polyphaser Surge Protection; Radio. Brand Name: <u>Encom</u> Product #: <u>150-4410-YAGI</u>	\$ <u>2,493.10</u>
215	EA	550-88-92	RADIO TRANCEIVER , Fsk With Rs-232 & Rs-485 Capable; Spread Spectrum Unlicensed Frequencies. Brand Name: <u>Encom</u> Product #: <u>150-5100</u>	\$ <u>2,142.85</u>
216	EA	550-88-92	RADIO TRANSCEIVER , Rs-232 & Rs-485 Capable; Spread Spectrum Unlicensed Frequencies. Brand Name: <u>Encom</u> Product #: <u>150-5200</u>	\$ <u>1,250.00</u>
217	EA	550-88-92	RADIO RECEIVER , Contact Closure, 8 Outputs, Spread Spectrum Unlicensed Frequencies. Brand Name: <u>Encom</u> Product #: <u>150-4410</u>	\$ <u>2,095.00</u>
218	EA	550-88-92-1006	RECEIVER , Tone, Decoder, School, 565 Hz Brand Name: <u>IDC</u> Product #: <u>TR-2500</u>	\$ <u>413.00</u>
219	EA	550-88-93	RADIO XMITTER SCHOOL ZONE KIT W/1 - 3 Db Omni Antenna; Power Cube; Sop Bracket For Steel Or Wood; RF Jumper Cable; 3/8" Cable Connectors; 3/8" Water Tight Radio Cable; Polyphaser Surge Protection; Radio. Brand Name: <u>Encom</u> Product #: <u>150-4210-OMNI</u>	\$ <u>2,242.90</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
220	EA	550-88-93	RADIO XMITTER , Contact Closure, 8 Inputs, Spread Spectrum Unlicensed Frequencies. Brand Name: <u>Encom</u> Product #: <u>150-4210</u>	\$ <u>1,895.00</u>
221	EA	550-88-93	RADIO SECONDARY MDL 5100 WITH 10DB YAGI ANTENNA , Fsk Cable, Power Cube, Jumper Cable, Polyphaser, Antenna Cable, Cable Connectors, Mounting Brackets. Brand Name: <u>Eagle</u> Product #: <u>150-5100</u>	\$ <u>2,540.95</u>
222	EA	550-88-93	RADIO SECONDARY MDL 5200 WITH 10DB YAGI ANTENNA , Rs-232 Cable, Power Supply, Jumper Cable, Polyphaser, Antenna Cable, Cable Connectors, Mounting Brackets, 2nd Rs-232 "D" Module For Controller. Brand Name: <u>Eagle</u> Product #: <u>150-5200</u>	\$ <u>1,903.35</u>
223	EA	550-88-93	PAGING TIME CLOCK RESET CIRCUIT SOFTWARE: CPRII SOFTWARE , Used In Conjunction With A Dedicated Computer And An Outside Line, For Dialing Up The Paging System And Broadcasting Time Sync Page To All The Local Units That Would Be Mounted In The Controller Cabinet. Brand Name: <u>RTC</u> Product #: <u>CPRII Software</u>	\$ <u>1,695.75</u>
224	EA	550-88-93	PAGING TIME CLOCK RESET CIRCUIT VERIFY UNIT: USED IN CONJUNCTION WITH THE SOFTWARE AND A DEDICATED COMPUTER WITH AN OUTSIDE LINE. This Unit Is Responsible For Verifying That The Pages Have Been Sent. Brand Name: <u>RTC</u> Product #: <u>CPR2102 Verify Unit</u>	\$ <u>719.95</u>
225	EA	550-88-93	PAGING TIME CLOCK RESET CIRCUIT FIELD DEVICE: CPRII PAGER TIME CLOCK WITH ANTENNA , Which Is Mounted In The Traffic Controller Cabinet, Is To Provide Once A Week Resetting Of The Controllers Time Clock. Brand Name: <u>RTC</u> Product #: <u>CPR2102 Field Unit</u>	\$ <u>719.95</u>
226	EA	550-88-93	PAGING TIME CLOCK RESET CIRCUIT PAGER SERVICE: A ONCE A YEAR FEE FOR PAGER SERVICE FOR THE PAGING TIME CLOCK RESET CIRCUIT. Brand Name: <u>RTC</u> Product #: <u>YPS365</u>	\$ <u>480.00</u>
227	EA	550-88-93-1005	TRANSMITTER , Tone, Encoder, School, 565 Hz Brand Name: <u>IDC</u> Product #: <u>TR-2500</u>	\$ <u>393.00</u>

PRICING PAGE

TRAFFIC SIGNAL DEVICES AND COMPONENTS

Contract No. 071B3001025



<u>Item No.</u>	<u>Unit</u>	<u>Commodity No.</u>	<u>Description</u>	<u>Unit Cost</u>
228	EA	550-89-62-1605	COVER, H.D. , 23.3" X 13" X 2", Logo Shall Be Traffic Signal, Color Gray. Brand Name: <u>Quazite</u> Product #: <u>PG1324TS</u>	\$ <u>94.55</u>
229	EA	550-89-62-1654	COVER, H.D. 30.2a X 17.2a X 2 Inch, Logo To Be Traffic Signal, Color Gray Brand Name: <u>Quazite</u> Product #: <u>PG1730TS</u>	\$ <u>108.50</u>
230	EA	550-89-62-7602	SOCKET CASTING , Nema, For Use With Nema Flashers Brand Name: <u>Temple</u> Product #: <u>124-1003</u>	\$ <u>16.46</u>
231	EA	550-91-55	ARRESTOR , 120-Volt AC, Pluggable, For Use In Cabinet Main Power Panel. Brand Name: <u>Edco</u> Product #: <u>SHA-1250</u>	\$ <u>123.20</u>
232	EA	550-91-55	BASE MOUNT , For Pluggable Arrestor, 120 Volt Ac, For Use In Cabinet Main Power Panel. Brand Name: <u>Edco</u> Product #: <u>SHA-1250-BASE-A</u>	\$ <u>23.50</u>
233	EA	550-91-55-0404	ARRESTOR , Loop Surge, For Use On Vehicle Loop Detector Lead-Ins. Brand Name: <u>Edco</u> Product #: <u>SRA6LCA916</u>	\$ <u>12.88</u>
234	EA	550-91-55-7508	DETECTOR LOOP SEALANT ; 1 Part; Approximately 1 Liter Per Ply Pack; 12 Ply Packs Per Case. Brand Name: <u>3M</u> Product #: <u>78-8095-4063-2</u>	\$ <u>181.50</u>
235	EA	550-91-55-7508	DETECTOR LOOP SEALANT ; 1 Part; Approximately 5 Gallons Per Pail. Brand Name: <u>3M</u> Product #: <u>78-8072-0724-2</u>	\$ <u>165.40</u>
236	EA	550-91-60	LOOP DETECTOR , Digital, With Harness. Brand Name: <u>Peek Sarasota</u> Product #: <u>535T/MS</u>	\$ <u>147.10</u>
237	EA	550-96-52-0501	ARROW MASK , Black Aluminum, For Use With 12-Inch Poly Lens. Brand Name: <u>Eagle</u> Product #: <u>PBL286</u>	\$ <u>10.23</u>