

NOTICE TO BIDDERS
TRAFFIC SIGNALIZATION MAINTENANCE & REPAIR SERVICES

Notice is hereby given that the Board of County Commissioners of Santa Rosa County is requesting bids for traffic signalization maintenance and repair services.

The work to be performed under this bid shall consist of furnishing all materials, equipment, tools, labor & supervision and insurance necessary to perform installations, repairs, maintenance and inspections to ensure continuous operation of all traffic signal systems and equipment on state highways and county roads that are under Santa Rosa County's responsibility.

All work performed by the successful bidder will be in accordance with the Florida Department of Transportation, Traffic Signal Maintenance and Compensation Agreement and all amendments.

All bids must be in writing and delivered by hand, Fed Ex, or mail to the Santa Rosa County Procurement Department, 6495 Caroline Street Suite G, Milton, Florida 32570; and must be received by 10:00 a.m., January 20, 2015, at which time bids will be opened and read aloud. Bids are to be sealed and clearly labeled "**BID – Traffic Signalization Maintenance & Repair**". Bids received after the time set for the bid opening will be rejected and returned unopened to the bidder. All interested parties are invited to attend.

Questions concerning this request should be directed to Tom Collins at 850-981-7151.

Specifications and bid form may be secured from the Santa Rosa County Website (www.santarosa.fl.gov/bids) or at the Santa Rosa County Procurement Department. Telephone (850) 983-1833.

The Board of County Commissioners reserves the right to waive irregularities in bids, to reject any or all bids with or without cause, and to award the bid that it determines to be in the best interest of Santa Rosa County.

All prices are firm for a period of one year. After one year, the County may approve the option of renewing the contract at the same or lesser price for a period not to exceed two (2) years with the agreement of the bidder.

Santa Rosa County Board of County Commissioners encourages all segments of the business community to participate in its procurement opportunities, including small businesses, minority/women owned businesses, and disadvantaged business enterprises. The Board does not discriminate on the basis of race, color, religion, national origin, disability, sex, or age in the administration of contracts.

By order of the Board of County Commissioners of Santa Rosa County, Florida.

LEGAL NOTICE

One issue –Press Gazette – December 20, 2014, Navarre Press – December 25, 2014, and Gulf Breeze News – December 24, 2014

Bill and proof to Santa Rosa County Procurement Department, 6495 Caroline Street, Suite G, Milton, Florida, 32570, Attn.: Orrin L. Smith.

TRAFFIC SIGNALIZATION MAINTENANCE & REPAIR SERVICES MINIMUM SPECIFICATIONS

SCOPE:

The work to be performed under this bid shall consist of furnishing all materials, equipment, tools, labor, supervision and insurance necessary to perform repairs, maintenance, installation and inspections to ensure continuous operation of all traffic signal systems and equipment on designated State Highways and County roads that are under Santa Rosa County's responsibility.

All work performed by the successful bidder will be in accordance with the Florida Department of Transportation, Traffic Signal Maintenance and Compensation Agreement and all amendments.

NOTIFICATIONS:

The successful bidder shall notify Santa Rosa County Road & Bridge Department upon completion of all service calls, and/or if any repair will take longer than 24 hours to complete so that any/all safety precautions may be taken.

All notifications will be via email to: public-works@santarosa.fl.gov

TRAFFIC SIGNALS

- All traffic signals, intersection control beacons, fire department emergency signals, school zones, pedestrian warning beacons, and flashing traffic beacons under Santa Rosa County's responsibility. There are currently approximately 70 intersections or areas with such devices in Santa Rosa County.

STREET LIGHTING

- 8 Lights on SR30 (US 98) from east of Granada ST. to east of Prado ST.
- 215 Lights on SR 87 from SR 30 (US 98) to west of Stillwater Cir.

BRIDGE NAVIGATION LIGHTS

- All bridge navigation lights. Currently there are bridge navigation lights on the Navarre Beach Causeway Bridge.

QUALIFICATIONS OF BIDDERS :

All persons operating and maintaining signal equipment shall be fully trained and qualified. The Contractor shall have all work performed under the direct, on-site, supervision of a person certified at the "Traffic Signal, Level II" or higher, by the International Municipal Signal Association (I.M.S.A.). The Contractor shall furnish a copy of the certificate issued by the I.M.S.A. for each technician.

REPAIR, INSPECTION AND MAINTENANCE:

The FDOT Traffic Signal Maintenance and Compensation Agreement requires at a minimum, one inspection per signal, per year, Santa Rosa County requires four inspections per year conducted quarterly. Any service call can include a visual inspection which will fulfill the minimum inspection requirement providing the following is completed and detailed on contractors invoice:

- Repair of item(s) included in service call
- Visual inspection of all traffic signal devices at intersection
- Repair/maintenance of any deficiencies found

REPAIR SERVICE AND EMERGENCY SERVICE:

Contractor shall provide 24 hour repair service to the County. Contractor shall respond ***immediately*** upon receiving a call from an authorized representative. A service technician will be on site within one hour during normal business hours and within two hours after normal business hours. The contractor must provide telephone numbers where a designated representative can be reached at all times.

BILLING/INVOICE PROCEDURE:

Billing for all services shall contain the following information:

1. Date of initial service call.
2. Date service call completed.
3. Invoice number.
4. Traffic Signal where work was performed.
5. Number of regular hours / emergency hours, equipment hours.
6. Detailed report of all work performed shall appear on the billing invoice.
 - a. Name and Organization of person initiating service call; (i.e. FHP, SRSO, Public Works Department, 911 Dispatch, etc.).
 - b. All Repair work performed
 - c. Maintenance inspection results
 - d. Maintenance Work Performed
7. Invoices should be sent to :

Santa Rosa County Public Works Department
6075 Old Bagdad Highway
Milton, FL 32583

Santa Rosa County
Board of County Commissioners
INSURANCE requirements

INSURANCE REQUIREMENTS

- (1) THE CONTRACTOR SHALL OBTAIN AND MAINTAIN SUCH INSURANCE AS WILL PROTECT IT FROM: (1) CLAIMS UNDER WORKER'S COMPENSATION LAWS, DISABILITY BENEFIT LAWS, OR OTHER SIMILAR EMPLOYEE BENEFIT LAWS; (2) CLAIMS FOR DAMAGES BECAUSE OF BODILY INJURY, OCCUPATIONAL SICKNESS OR DISEASE OR DEATH OF HIS EMPLOYEES INCLUDING CLAIMS INSURED BY USUAL PERSONAL INJURY LIABILITY COVERAGE; (3) CLAIMS FOR DAMAGES BECAUSE OF BODILY INJURY, SICKNESS OR DISEASE, OR DEATH OF ANY PERSON OTHER THAN HIS EMPLOYEES INCLUDING CLAIMS INSURED BY USUAL PERSONAL INJURY LIABILITY COVERAGE; AND (4) FROM CLAIMS FOR INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY INCLUDING LOSS OR USE RESULTING THEREFROM - - ANY OR ALL OF WHICH CLAIMS MAY ARISE OUT OF, OR RESULT FROM, THE SERVICES, WORK AND OPERATIONS CARRIED OUT PURSUANT TO AND UNDER THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, WHETHER SUCH SERVICES, WORK AND OPERATIONS BE BY THE CONTRACTOR, ITS EMPLOYEES, OR BY SUBCONTRACTOR(S), OR ANYONE EMPLOYED BY OR UNDER THE SUPERVISION OF ANY OF THEM, OR FOR WHOSE ACTS ANY OF THEM MAY BE LEGALLY LIABLE.
- (2) THIS INSURANCE SHALL BE OBTAINED AND WRITTEN FOR NOT LESS THAN THE LIMITS OF LIABILITY SPECIFIED HEREINAFTER, OR AS REQUIRED BY LAW, WHICHEVER IS GREATER.
- (3) THE CONTRACTOR SHALL REQUIRE, AND SHALL BE RESPONSIBLE FOR ASSURING THROUGHOUT THE TIME THE AGREEMENT IS IN EFFECT, THAT ANY AND ALL OF ITS SUBCONTRACTORS OBTAIN AND MAINTAIN UNTIL THE COMPLETION OF THAT SUBCONTRACTOR'S WORK, SUCH OF THE INSURANCE COVERAGES DESCRIBED HEREIN AS ARE REQUIRED BY LAW TO BE PROVIDED ON BEHALF OF THEIR EMPLOYEES AND OTHERS.
- (4) THE CONTRACTOR SHALL REQUIRE THE INSURANCE AGENT/BROKER TO PROVIDE REPLACEMENT CERTIFICATES OF INSURANCE ON A TIMELY BASIS, PREFERABLY NO LATER THAN FIVE (5) DAYS PRIOR TO POLICY TERMINATION.
- (5) THE CONTRACTOR SHALL OBTAIN AND MAINTAIN THE FOLLOWING INSURANCE COVERAGES AS PROVIDED HEREIN BEFORE, AND IN THE TYPE, AMOUNTS AND IN CONFORMANCE WITH THE FOLLOWING MINIMUM REQUIREMENTS:
 - A. FLORIDA STATUTORY WORKERS' COMPENSATION AND EMPLOYERS LIABILITY WITH MINIMUM LIMITS OF \$500,000, WHETHER REQUIRED BY CHAPTER 440, FLORIDA STATUTES OR NOT. IN ADDITION, COVERAGE UNDER THE U. S. LONGSHOREMEN & HARBOR WORKERS' AND JONES ACT, MAY BE REQUIRED COVERAGES BY LAW OR REGULATION FOR THE WORK SPECIFIED IN THIS CONTRACT. CONTRACTOR AND SUBCONTRACTORS MAY PROVIDE A VALID CERTIFICATE OF EXEMPTION ISSUED BY THE STATE OF FLORIDA IN LIEU OF WORKERS' COMPENSATION INSURANCE COVERAGE.
 - B. COMMERCIAL GENERAL LIABILITY WITH MINIMUM COMBINED SINGLE LIMITS OF \$1,000,000, INCLUDING COVERAGE PARTS OF BODILY INJURY, BROAD FORM PROPERTY DAMAGE, PERSONAL INJURY, INDEPENDENT CONTRACTORS, BLANKET CONTRACTUAL LIABILITY AND PRODUCTS AND COMPLETED OPERATIONS. THE EXCLUSION FOR UNDERGROUND DAMAGE, EXPLOSION AND COLLAPSE SHALL BE

REMOVED THROUGH A POLICY ENDORSEMENT. THE COMMERCIAL GENERAL LIABILITY POLICY'S TOTAL POLLUTION EXCLUSION SHALL BE REMOVED BY ENDORSEMENT. COMPLETED OPERATIONS AND PRODUCTS LIABILITY SHALL BE MAINTAINED FOR A PERIOD OF TWO (2) YEARS AFTER FINAL PAYMENT.

C. AUTOMOBILE LIABILITY WITH MINIMUM COMBINED SINGLE LIMITS OF \$1,000,000 FOR ALL HIRED, OWNED AND NON-OWNED VEHICLES. THE AUTOMOBILE LIABILITY POLICY'S TOTAL POLLUTION EXCLUSION SHALL BE REMOVED BY ENDORSEMENT.

D. EXCESS OR UMBRELLA LIABILITY WITH MINIMUM LIMITS OF \$2,000,000 WHICH ARE NO MORE RESTRICTIVE THAN THE UNDERLYING LIMITS. UMBRELLA COVERAGE SHALL DROP DOWN TO PROVIDE COVERAGE WHERE THE UNDERLYING LIMITS ARE EXHAUSTED. THE UMBRELLA POLICY SHALL MIRROR THE COMMERCIAL GENERAL AND AUTOMOBILE POLICIES' COVERAGE WITH RESPECT TO REMOVAL OF THE TOTAL POLLUTION EXCLUSION.

E. PROFESSIONAL LIABILITY INSURANCE WITH MINIMUM LIMITS OF \$500,000 FOR ENGINEERS AND ARCHITECTS EMPLOYED BY THE CONTRACTOR, IF ANY.

F. BUILDERS RISK INSURANCE UNDERWRITTEN ON THE "ALL RISKS OF PHYSICAL LOSS" BASIS FOR REPLACEMENT COST FOR THE FULL VALUE OF THE COMPLETED PROJECT TO COVER THE OWNER AND CONTRACTOR AS THEIR INTEREST MAY APPEAR. AN INSTALLATION FLOATER MAY BE AN ALTERNATIVE IF APPROPRIATE TO THIS SPECIFIC CONTRACT.

G. CONTRACTOR SHALL PROCURE AND FURNISH OWNER'S PROTECTION LIABILITY INSURANCE POLICY NAMING SANTA ROSA COUNTY WITH THE FOLLOWING LIMITS:

1. \$1,000,000 PER OCCURRENCE.
2. \$2,000,000 AGGREGATE.

SWORN STATEMENT UNDER SECTION 287.133 (3) (A),
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to _____
by _____
(print individual's name and title)
for _____
(print name of entity submitting sworn statement)

whose business address is _____
and (if applicable) its Federal Employer Identification Number (FEIN) is _____ .
If the entity has no FEIN, include the Social Security Number of the individual signing this Sworn Statement: _____ .

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
1. A predecessor or successor of a person convicted of a public entity crime; or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of public entity crime.
5. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with legal power to enter into a binding contract and which bids or appeals to bid on contracts for the provision of goods and services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Indicate which statement applies.)
- _____ Neither the entity submitting this sworn statement, nor one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.
- _____ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.
- _____ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officers determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (ATTACH A COPY OF THE FINAL ORDER.)

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

(Signature)

Sworn to and subscribed before me this _____ day of _____, 2_____.

Personally known _____

or Produced identification _____ Notary Public – State of _____

(Type of identification) My commission expires _____

(Printed, typed, or stamped commissioned name of notary public.)

BID FORM
TRAFFIC SIGNALIZATION MAINTENANCE / REPAIR

Santa Rosa County Procurement Department
6495 Caroline Street, Suite G
Milton, Florida 32570

Date _____

Dear Sir:

The undersigned agrees to furnish the services as requested by you for Santa Rosa County in your invitation to bid and certifies that the services bid meets or exceeds the specifications called for, except as set out in "Exceptions to Bid Conditions" and attached to this form.

Name & Address of Bidder _____

BID PRICE LIST

Technician – IMSA Level II	\$_____ per hour
Technician – IMSA Level III	\$_____ per hour
Technician – IMSA Level II (after hours)	\$_____ per hour
Technician – IMSA Level III (after hours)	\$_____ per hour
Technician Assistant	\$_____ per hour
Technician Assistant (after hours)	\$_____ per hour
Office Assistant	\$_____ per hour
Aerial Bucket Truck (standard)	\$_____ per hour
Aerial Bucket Truck (large)	\$_____ per hour
Service Truck	\$_____ per hour
Timing Implementation	\$_____ per item
Timing Adjustment (coordinated)	\$_____ per item
Timing Adjustment (non-coordinated)	\$_____ per item

Traffic Signal (3 section 1 way) \$_____ per item

Traffic Signal (4 section 1 way) \$_____ per item

12" LED Module (Red, Yellow, Green) \$_____ per item

Loop Assembly – Type A – 6X20 \$_____ per item

Loop Assembly – Type F – 6X20 \$_____ per item

School Beacon Assembly 120v RTC AP21 Complete Operational System
\$_____ per item

School Time Clock RTC AP22 365 day Programmable \$_____ per item

Bidders are encouraged to complete the supplemental bid price list (attachment 2) as this may be a determining factor in selecting the overall lowest bid

Include additional rate information as needed.

Company Representative Signature

Telephone

NOTE: Please return this bid form to the above address. **NO OTHER BID FORM WILL BE ACCEPTED.**

COMMENTS: _____

TRAFFIC SIGNALIZATION MAINTENANCE / REPAIR SERVICES

SUPPLEMENTAL BID PRICE LIST

Last Updated: [DATE]

CATEGORY	DESCRIPTION	BID PRICE	NOTES
RESPONSE MAINTENANCE			
	Technician - IMSA Level II (Mon-Fri, 8:00 AM - 4:30 PM) per hour		
	Technician - IMSA Level III (Mon-Fri, 8:00 AM - 4:30 PM) per hour		
	Technician - IMSA Level II (Mon-Fri, 4:31 PM - 7:59 AM, Sat, Sun & Holidays) per hour		
	Technician - IMSA Level III (Mon-Fri, 4:31 PM - 7:59 AM, Sat, Sun & Holidays) per hour		
	Technician Assistant (Mon-Fri, 8:00 AM - 4:30 PM) per hour		
	Technician Assistant (Mon-Fri, 4:31 PM - 7:59 AM, Sat, Sun & Holidays) per hour		
	Office Assistant per hour		
	Aerial Bucket Truck (standard) per hour		
	Aerial Bucket Truck (Large) per hour		
	Service Truck per hour		
	Maintenance of Traffic (message board rental) per day		
	Utility Coordination (Sunshine spots) per item		
	Timing Implementaion per item		
	Timing Adjustment, Systems (coordinated) per item		
	Timing Adjustment, Intersections (non-coordinated) per incident		
	Bench Testing (conflict Monitor) each		
	Temporary Controller / Monitor (rental) per day		

	Temporary Traffic Signal Operations, (Generator rental) per hour		
	Temporary Traffic Signal Cabinet, during knock-down (rental) per day		
GROUNDING ELECTRODE			
	10 Foot X 5/8" Ground Rod each		
	20 Foot X 5/8" Ground Rod each		
CONDIT			
	1/2" X 10 Foot Section each		
	1" X 10 Foot Section each		
	Conduit, 2" (Above Ground) per LF		
	Conduit, 2" (Under ground) per LF		
	Conduit, 2" (Under Pavement/jacked) per LF		
	Conduit, 1" Clamp each		
	Conduit, 2" Clamp each		
	Coupling, 1/2" each		
	Coupling 1" each		
	Coupling 2"		
	90 degree elbow, 1/2" each		
	90 degree elbow, 1" each		
	90 degree elbow, 2" each		
IMSA Signal Cable Code: White/Black/Green/Red/Orange/Blue/LF			White/Black/Green/ Red/Orange/Blue
	16-Conductor per LF		
	12-Conductor per LF		
	9-Conductor per LF		
	7-Conductor per LF		
SPAN WIRE			
	Span Wire (one wire/perpendicular) per item		
	Span Wire (one wire/diagonal) per item		
	Span Wire (one wire/box) per item		

	Span Wire (two wire/perpendicular) per item		
	Span Wire (two wire/diagonal) per item		
	Span Wire (two wire/box) per item		
	Adjustable Hangar each		
	Disconnect Hangar each		
	Extension Hangar each		
	Span Wire Hangar (2079-S) with SS bushing (single cable support) each		
	Span Wire Clamp each		
	Sign Bracket, Mast Arm Type (1-way) each		
	Mast Arm Signal Bracket each		
	Sign Bracket/span Wire Type (1-way) each		
	Sign Bracket/span Wire Type (2-way) each		
	Eye Bolt		
	All thread 5/8" per LF		
	Span Wire Insulator 12" each		
	Guy Anchor 6" each		
	Guy Wire 1/4" per LF		
	Guy Wire 3/8" per LF		
	Span Wire Splice 1/4" each		
	Span Wire Splice 3/8" each		
	Guy Wire Vise 1/4" each		
	Guy Wire Vise 3/8" each		
	Slip Fitter 4 1/2"		
PULL BOX OR JUNCTION BOX			
	Pull Box each		
ELECTRICAL SERVICE			
	Electrical Power Service, as specified		
	Electrical Service Wire per LF		
	Electrical Service Disconnect each		
	CONNECTOR STRAIN POLES		
Concrete Strain Pole N-IV			

	36' - 42' each		
	42' - 50' each		
Concrete Strain Pole N-V			
	36' - 42' each		
	42' - 50' each		
Concrete Strain Pole N-VI			
	36' - 42' each		
	42' - 50' each		
Concrete Strain Pole N-VII			
	36' - 42' each		
	42' - 50' each		
Concrete Strain Pole N-VIII			
	36' - 42' each		
	42' - 50' each		
WOOD POLE			
	Class 5 Wood Strain Pole 35' each		
	Wood Strain Pole 6" top/ .60 CCA SYP Pole (treated) each		
TRAFFIC SIGNAL			
	Traffic Signal 12" (1 Section, 1 Way) as specified		
	Traffic Signal 12" (2 Section, 1 Way) as specified		
	Traffic Signal 12" (3 Section, 1 Way) as specified		
	Traffic Signal 12" (4 Section, 1 Way) as specified		
	Traffic Signal 12" (5 Section, 1 Way) as specified		
	Traffic Signal 12" (1 Section, 2 Way) as specified		
	Traffic Signal 12" (2 Section, 2 Way) as specified		
	Traffic Signal 12" (3 Section, 2 Way) as specified		
	Traffic Signal 12" (4 Section, 2 Way) as specified		
	Traffic Signal 12" (5 Section, 2 Way) as specified		
	Signal Lens 12" Plastic each		

	Signal Lens 12" glass each		
	Signal Lamp Reflector 12" each		
	Signal Visor 12" each		
	Signal Bracket (1 way) each		
	Signal Bracket (2 way) each		
	Signal Back Plate 1 section each		
	Signal Back Plate 3 section each		
	Signal Back Plate 5 section each		
PEDESTRIAN SIGNAL			
	Pedestrian Signal (LED Countdown) each		
	Pedestrian Signal Lens each		
	Pedestrian Signal Housing (Ped Can) each		
	Aluminum Pedestal (Pedestrian Signal, Flashing Beacon) each		
	Concrete Pedestal Type II (power service) each		
12" LED MODULE			
	Green, each		
	Red, each		
	Yellow, each		
	Green Arrow, each		
	Red Arrow, each		
	Yellow Arrow, each		
	Yellow (12v) each		
LOOP ASSEMBLY AND DETECTOR			
	Loop Assembly/ Type A/ 6'X20' each		
	Loop Assembly/ Type A/ 6'X50' each		
	Loop Assembly/ Type B/ 6'X6' each		
	Loop Assembly/ Type F/ 6'X20' each		
	Loop Assembly/ Type F/ 6'X50' each		
	Loop Detector/ 1 Channel/ Relay Output/ Shelf Mount each		
	Loop Detector/ 1 Channel/ Relay Output/ Shelf Mount/ Time Delay each		
	Loop Detector/ 2 Channel/ Solid State/ Rack Mount each		

	Loop Detector/ 2 Channel/ Solid State/ Rack Mount/ Time Delay each		
	Surge Arrestor (Inductance Loop Amplifier) each		
	Home Run Cable (Replacement) LF		
VEHICLE DETECTION SYSTEM -VIDEO			
	Aldis, 360 degree 10" diameter x 9" Fisheye Camera each		
	Aldis, GRIDSMART Control Unit for TS1 and TS2 Traffic Control Cabinets each		
	16" LCD Monitor for Aldis System each		
PEDESTRIAN DETECTOR (POLE MOUNTED)			
	Pedestrian Detector (Station with Post As Specified		
	Detector Sign (Pedestrian) each		
	Push Button (Pedestrian Detector) each		
FLASHING BEACON ASSEMBLY COMPONENTS			
	School Beacon Assembly 120v RTC AP21 Complete Operational System As Specified		
	Flashing Beacon Controller Assembly As Specified		
	PB-5100 15' Aluminum Pole each		
	PB- 5306 Anchor Bolts each		
	PB-5335 Square Aluminum Base with Aluminum Door each		
	PB-5325 Collar Assembly for Square Base each		
	SE-1100 4.5" OD Post Mounting Kit each		
	SE-1002 Flasher Cabinet Assembly with Police Type One Lock each		
	SE-0513 Tri-Stud Adapter each		
	SH-0206 U-Bolt Sign Assembly Kit each		
FLASHING BEACON CONTROLER ASSEMBLY/SOLAR POWERED/POLE MOUNTED COMPONENTS			
	Carmanah R247 Series 24 Hour Flashing Warning Beacons As Specified		

	Cammanah R820 Series Crosswalk Beacon As Specified		
	Carmanah R829 Series/School Zone Ben/w/Calendar-Based Software As Specified		
SCHOOL TIME CLOCK			
	RTC, AP22/365 Day Programmable each		
FUSES			
	Conflict Monitor / Fuse 1/2 Amp each		
	Conflict Monitor / Fuse 2 Amp each		
	Controller Fuse / 3/4 Amp / 24 VDC each		
	Controller Fuse / 1 1/4 Amp (SLO BLO) each		
FLASHING BEACON ASSEMBLY/COMPONENTS (SOLAR POWERED/POLE MOUNTED)(INFORMATION DISPLAY COMPANY)			
	18" Aluminum Pole each		
	55 Watt, Solar Power Panel Kit Complete for Speed Check Displays each		
	Solar Panel Racking each		
	Solar Pole-Mounted Battery Box each		
	School Flashing Beacon Assembly-Model 1820, 12v Solar Speed Check 18" Series, Data Collection, Scheduler and Slow Down Display, Concrete Footer, Frangible Base and 18' Aluminum Pole Complete Operational System As Specified		
EMERGENCY GENERATOR POWER HOOK-UP			
	1pc Pre-Assembled Harness/Gasket/Clamp/Splice/Per FDOT Dist 3 Spec As Specified		
TRAFFIC SIGNAL CONTROLLERS			
	Controller (Isolated)		
	Peek 3000E NEMA/TS-1/8 Phase each		
	Refurbished Controller (Closed Loop)		
	Peek 3000E NEMA/8 Phase/ TS-1/FSK each		

	Peek 3000E NEMA/8 Phases/ TS-1/Fiber Optic each		
	Peek ATC-1000 Controller		
BASE MOUNTED CONTROLLER CABINET			
	NEMA/SOP 10/8 Phase/TS-1/Communications/Master (Per FDOT District 3 Spcifications) each		
	NEMA/SOP 10/8 Phase/TS-1 (2) Preemption Plans (Per FDOT District 3 Spcifications) each		
	NEMA/SOP 10/8 Phase/TS-1/Communications/Master/Video Detection (Per FDOT District 3 Spcifications) each		
PEEK CONTROLLER CABINET			
	NEMA/SOP 10/8 Phase/TS-1 (Per FDOT District 3 Specifications) each		
	NEMA/4 Phase/TS-1 (Per FDOT District 3 Specifications) each		
MISCELLANEOUS SIGNAL EQUIPMENT			
	Peek Double Diamond NEMA/TS-1/CMU each		
	Conflict Monitor/Naztec/NM512/LCD/TS-1 (Uesd) each		
	Peek ELRA Conflict Monitor (Used) each		
	Loadswitch each		
	Flash Transfer Relay each		
	Surge Arrestor (Closed Loop Communication Line) each		
	Power Supply/ Peek NEMA PS 100 each		
	Cabinet Fan each		
	Police Manual Control Button each		
	Phone Modem /2400 Baud Rate each		
	Phone Modem /56LK Baud Rate each		
	Pedestrian Isolator Board (Peek NEMA Cabinet) each		
	1/4" Nail-In Anchor each		
	Blacktop Patch each		
	#12 Fork Terminals each		
	Tie Wraps each		
	#6 THHN Wire LF		

	SEOW or "SO" 10-3, AWG Copper Cable LF		
	Hand Hole Cover (Mast Arm) each		
	Foundation (Controller Cabinet) each		
	Concrete Pad each		
	24"X36" Concrete Base w/Ground Rod each		
	Anchor Bolts each		
	CONSTRUCTION OF NEW INTERSECTION SIGNALS		
	Timing Implementaion - Master Clock Unit each		
	Conduit - Aboveground LF		
	Conduit - Underground LF		
	Conduit - Under Pavement, Sawcut LF		
	Conduit - Underground, Jacked LF		
	Cable, Signal - Furnish & Install LF		
	Cable, Signal - Adjust LF		
	Cable, Signal - New or Reconditioned - F&I, each		
	Cable, Signal - Adjust/Modify, each		
	Span Wire Assembly - Two Wire, Perpendicular, each		
	Span Wire Assembly - Two Wire, Diagonal, each		
	Span Wire Assembly - Two Wire Box, each		
	Span Wire Assembly - Two Wire Other, each		
	Fiberglass Insulataor -F&I, LF		
	Messenger Wire - F&I, LF		
	Pull and Junction Boxes - Pull Box, each		
	Pull & Splice Box - 13X24 Standard, each		
	Electrical Power Service - Overhead Meter Base -Purchased by Contractor From Power Company, as specified		
	Electrical Power Service - Underground Meter Base -Purchased by Contractor From Power Company, as specified		
	Electrical Service Wire, LF		
	Electrical Service Disconnect - Pole, each		
	Emergency Generator - Portable F&I, each		
	Emergency Generator - Portable Monitor and Refuel, per hour		
	Strain Poles Guying, Concrete each		

	Prestressed Concrete Pole, F&I, Type P-11 Pedestal each		
	Prestressed Concrete Pole, F&I, Type P-11 Service pole each		
	Prestressed Concrete Pole, F&I, Type III		
	Prestressed Concrete, Pole, F&I, Type IV		
	Prestressed Concrete, Pole, F&I, Type V		
	Prestressed Concrete, Pole, F&I, Type VI		
	Prestressed Concrete, Pole, F&I, Type VII		
	Prestressed Concrete, Pole, F&I, Type VIII		
	Prestressed Concrete, Pole, F&I, Custom Design		
	Prestressed Concrete, Pole, Install		
	Strain Pole, Wood F&I, 40'		
	Strain Pole, Wood F&I, 45'		
	Strain Pole, Wood F&I, 50'		
	Aluminum Signal Pole, F&I, Install		
	Steel Pole, F&I, Pedestal		
	Steel Mast Arm Assembly, (36) each		
	Steel Mast Arm Assembly, (46') each		
	Steel Mast Arm Assembly, (60') each		
	Steel Mast Arm Assembly, (70.5') each		
	Steel Mast Arm Assembly, (78') each		
	Steel Mast Arm Assembly, (36' w/Luminare) each		
	Steel Mast Arm Assembly, (46' w/Luminare) each		
	Steel Mast Arm Assembly, (60' w/Luminare) each		
	Steel Mast Arm Assembly, (70.5' w/Luminare) each		
	Steel Mast Arm Assembly, (36' - 36') each		
	Steel Mast Arm Assembly, (36' - 46') each		
	Steel Mast Arm Assembly, (36' - 60') each		
	Steel Mast Arm Assembly, (36' - 70.5') each		
	Steel Mast Arm Assembly, (46' - 46') each		
	Steel Mast Arm Assembly, (46' - 60') each		
	Steel Mast Arm Assembly, 46' - 70.5') each		
	Steel Mast Arm Assembly, (60' - 60') each		
	Steel Mast Arm Assembly, (60' - 70.5') each		
	Steel Mast Arm Assembly, (70.5' - 70.5') each		
	Traffic Signal - 1 Section, 1 way Polycarbonate as specified		

	Traffic Signal - 3 Section, 1 way Polycarbonate as specified		
	Traffic Signal - 4 Section, 1 way Polycarbonate as specified		
	Traffic Signal - 5 Section, 1 way Polycarbonate as specified		
	Pedestrian Signal - LED, 1 Way, Countdown-Standard		
	Pedestrian Signal - LED, 2 Way, Countdown-Standard		
	Signal Head-Retrofit Auxiliries - Disconnect Hanger		
	Signal Head-Retrofit Auxiliries - Backplate-Black		
	Signal Head-Retrofit Auxilireis - Pivotal Hanger Assembly		
	Signal Head-Retrofit Auxiliries - Tunnel Visor		
	Signal Head-Retrofit Auxiliries - 12" LED Module-Standard		
	Loop Detector - Inductive, Type 1, 1 Channel, Relay Output, Shelf Mounted		
	Loop Detector - Inductive, Type 2, 1 Channel, Relay Output, Shelf Mounted, Time Delay		
	Loop Detector - Inductive, Type 9, 2 Channel, Solid State, Rack Mounted		
	Loop Detector - Inductive Type, Type 10, 2 Channel Solid State, Rack Mounted Time Delay		
	Loop Assembly - Type A - (6'x50')		
	Loop Assembly - Type B - (6'x6')		
	Loop Assembly - Type F - (6'x50')		
	Pedestrian Detector - Pole or Controller Mounted Detector Station & Sign		
	Pedestrian Detector - Detector Station with Post & Sign		
	Pedestrian Detector - Detector with Sign Only		
	Traffic Controller Assembly, NEMA, One Pre-emption Plan		
	Traffic Controller Assembly, NEMA, Two Pre-emption Plans		
	Traffic Controller - Assembly Special, One Pre-emption Plan		
	Traffic Controller - Assembly Special, Two Pre-emption Plan		
	Traffic Controller - NEMA		
	Traffic Controller - Special		
	Traffic Controller - Modify, NEMA		
	Traffic Controller - Modify, Special		
	Controller Accessories - Type 12 Conflict Monitor		
	Controller Accessories - Load Switch		
	Controller Accessories - Type 3, Flasher		
	Signal Head Traffic Assembly - Removal		
	Signal Pedestrian Assembly - Removal		

