

AGREEMENT RELATING TO SIGNAL RESPONSE MAINTENANCE (PD 16-17.083)

THIS AGREEMENT is made and entered into by and between Escambia County, a political subdivision of the State of Florida, by and through its Board of County Commissioners (hereinafter referred to as "County"), with administrative offices located at 221 South Palafox Street, Pensacola, Florida 32502, and Ingram Signalization, Inc., a for-profit corporation authorized to conduct business in the State of Florida (hereinafter referred to as "Contractor"), FEI/EIN Number 59-0879719, whose principal address is 4522 North Davis Highway, Pensacola, Florida 32503 (each at times being referred to as "party" or "parties").

WITNESSETH:

WHEREAS, on October 9, 2017, the County issued an Invitation to Bid relating to signal response maintenance services throughout Escambia County (PD 16-17.083); and

WHEREAS, the Contractor was the most responsive and responsible bidder proposing to provide such services; and

WHEREAS, the County desires to enter into an agreement with the Contractor for the provision of signal response maintenance services as specified herein.

NOW, THEREFORE, in consideration of the mutual terms and conditions, promises, covenants and payments hereinafter set forth, the County and the Contractor agree as follows:

1. **Recitals.** The recitals contained in the preamble of this Agreement are declared to be true and correct and are hereby incorporated into this Agreement.
2. **Term.** This Agreement shall commence upon the date last executed by the parties and continue for a term of twelve (12) months. Upon mutual agreement of the parties, the contract may be renewed for two additional twelve (12) month periods, up to a maximum of thirty-six (36) months. In no event shall the term of this agreement exceed the duration of three (3) years from the date of commencement.
3. **Scope.** Contractor agrees to perform in accordance with the Scope of Services outlined in Escambia County's Invitation to Bidders "Signal Response Maintenance," Specification No. P.D. 16-17.083, attached hereto as **Exhibit A**. In the event of a conflict between the terms of the Exhibit referenced above and this Agreement, the terms of this Agreement shall prevail.
4. **Compensation.** In exchange for Contractor's provision of the scope of services referenced in Section 3 above, County shall pay Contractor in accordance with the Contractor's Bid Form, attached hereto as **Exhibit B**.
5. **Purchase Orders.** The County shall assign tasks to the Contractor in writing utilizing work orders relating to a blanket purchase order or by individual purchase order. The task(s) to be accomplished shall be described in detail. No minimum quantity of work is guaranteed during the term of this agreement, and only those tasks assigned pursuant to a work order may be compensated.
6. **Method of Billing.** Payment may be requested by Contractor on a monthly basis by the submission of a properly executed original invoice reflecting the amount due and owing with appropriate supporting documentation. Invoices shall be submitted in duplicate to:

Clerk of the Circuit Court
Attention: Accounts Payable
221 Palafox Place
Pensacola, FL 32502

The County agrees it shall make its best efforts to pay Contractor within thirty (30) days of receipt and approval of Contractor's invoice. All payments under this agreement and interest on any late payments shall be governed by and construed in accordance with the Florida Prompt Payment Act, §§218.70, et seq., Florida Statutes, as amended.

7. Termination. The County may terminate the Agreement immediately for cause or for convenience upon providing thirty (30) days' prior written notice to Contractor. This Agreement may be terminated for cause by the Contractor upon providing ninety (90) days' prior written notice to the County. In the event of termination by either party as provided herein, the Contractor shall be paid for services performed through the date of termination but Contractor shall not be entitled to any other recovery against County, including, but not limited to, damages or any anticipated profit on portions of work not performed.

8. Indemnification. The Contractor agrees to save harmless, indemnify, and defend County and its agents, officers and employees from any and all claims, suits, actions, damages, liabilities, expenditures or causes of action of any kind, losses, penalties, interest, demands, judgments, and cost of suit, including attorneys' fees and paralegals' fees, for any expense, damage or liability incurred by any of them, whether for personal injury, death, property damage, direct or consequential damages, or economic loss, including environmental impairment, arising directly or indirectly, on account of or in connection with the Contractor's negligent, reckless, or intentional wrongful misconduct in the performance of this Agreement or by any person, firm, or corporation to whom any portion of the performance of this Agreement is subcontracted to or used by the Contractor or by anyone for whom the Contractor is legally liable. The parties understand and agree that such indemnification by the Contractor relating to any matter, which is the subject of this Agreement, shall extend throughout the term of this Agreement and any statutes of limitation thereafter. The Contractor's obligation shall not be limited by, or in any way to, any insurance coverage or by any provision in or exclusion or omission from any policy of insurance. The Contractor agrees to pay on behalf of Escambia County, as well as provide a legal defense for the County, both of which will be done only if and when requested by the County, for all claims relating to this Agreement. Such payment on the behalf of the County shall be in addition to any and all other legal remedies available to the County and shall not be considered to be the County's exclusive remedy.

9. Insurance. The Contractor is required to carry the following insurance:

- (a) Commercial General Liability, Form CG1, with \$1,000,000 per occurrence. Excess or umbrella insurance may be purchased to make up the difference, if any, between the policy limits of the underlying policies.
- (b) Business Automobile Liability with \$1,000,000 per occurrence minimum combined single limits for all hired, owned, and non-owned vehicles.
- (c) Florida statutory Workers' Compensation.

It is understood and agreed by the parties that in the event that the Contractor consists of a joint venture, partnership, or other association of professional or business firms, each such firm shall be required to individually carry the above cited coverages.

Contractor agrees all liability coverage shall be through carriers admitted to do business in the State of Florida. Carriers shall be "A" or other Secure Best Rating with a minimum financial size of "VII", according to the A.M. Best Key Rating Guide Latest Edition. The insurance policies shall be endorsed to provide at least 30 days' advance notice of cancellation, nonrenewal or adverse change. Such notices shall be mailed to Office of Purchasing, Post Office Box 1591, Pensacola, Florida 32591.

The Board of County Commissioners and Escambia County shall be endorsed as "additional insureds" on all liability policies (except Workers' Compensation and professional liability). Certificates of Insurance shall be provided to Escambia County Office of Purchasing, Post Office Box 1591, Pensacola, Florida 32591 prior to commencement of work hereunder. Certificates shall reflect the additional insured status of Escambia County. The Board of County Commissioners and Escambia County shall also be the certificate holders.

10. Independent Contractor Status. In the performance of this Agreement hereunder, Contractor is an independent contractor. Contractor shall not hold itself out as an employee, agent or servant of the County; and Contractor shall not have the power or authority to bind the County in any promise, agreement or representation, other than as specifically provided in this Agreement or as may be expressly provided hereafter in writing by an authorized official of the County.

11. Notice. Any notice, payment or other communication under this Agreement required hereunder or desired by the party giving such notice shall be given in writing and delivered by hand or through the instrumentality of certified mail of the United States Postal Service or private courier service, such as Federal Express. Unless otherwise notified in writing of a new address, notice shall be made to each party as follows:

Ingram Signalization, Inc.
Attention: William Wilson
4522 North Davis Highway
Pensacola, Florida 32503

Escambia County
Attention: County Administrator
221 Palafox Place, Suite 420
Pensacola, Florida 32502

With copy to:
Transportation and Traffic Division
Attention: Program Director
3363 West Park Place
Pensacola, FL 32505

Rejection, or other refusal by the addressee to accept, or the inability of the courier service or the United States Postal Service to deliver because of a changed address of which no notice was given, shall be deemed to be receipt of the notice sent. Any party shall have the right, from time to time, to change the address to which notices shall be sent by giving the other party at least ten (10) days' prior notice of the address change.

12 Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Florida, and the parties stipulate that venue shall be in the County of Escambia.

13. Public Records. The Contractor acknowledges that this Agreement and any related financial records, audits, reports, plans correspondence, and other documents may be subject to disclosure to members of the public pursuant to Chapter 119, Florida Statutes. Contractor shall maintain all such public records and, upon request, provide a copy of the requested records or allow the records to be inspected within a reasonable time. Contractor shall also ensure that any public records that are exempt or exempt and confidential from disclosure are not disclosed except as authorized by law. Upon the expiration or termination of the Agreement, Contractor agrees to maintain all public records for a minimum period of five (5) fiscal years in accordance with the applicable records retention schedules established by the Florida Department of State. In the event the Contractor fails to abide by the provisions of Chapter 119, Florida Statutes, the County may, without prejudice to any other right or remedy and after giving the Contractor and surety, if any, seven days written notice, during which period the Contractor still fails to allow access to such documents, terminate the contract. In such case, the Contractor shall not be entitled to receive any further payment. Reasonable terminal expenses incurred by the County may be deducted from any payments left owing the Contractor (excluding monies owed the Contractor for subcontractor work).

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

**Escambia County
Office of the County Administrator
221 Palafox Place, Suite 420
Pensacola, Florida 32502
(850) 595-4947**

14. Entire Agreement. This Agreement contains the entire agreement between the parties and supersedes all prior oral or written agreements. Contractor acknowledges that it has not relied upon any statement, representation, prior or contemporaneous written or oral promises, agreements or warranties, except such as are expressed herein. The terms and conditions of this Agreement can only be amended in writing upon mutual agreement of the parties.

15. Compliance with Laws. Contractor agrees to comply with all federal, state and local laws, codes, statutes, ordinances, rules, regulations and requirements related to the performance of this Agreement including but not limited to those dealing with taxation, worker's compensation, equal employment and safety.

16. Permits, Licenses and Taxes. All permits and licenses necessary for the prosecution of the work shall be procured and paid for by Contractor. If Contractor performs any work without obtaining, or contrary to, any such permits or licenses necessary for the prosecution of the work, Contractor shall bear all costs arising therefrom. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the work. Contractor shall pay all sales, consumer, use and other similar taxes associated with the work or portions thereof, which are applicable during the performance of the work.

17. Assignment of Agreement. This Agreement, or any interest herein, shall not be assigned, transferred, or otherwise encumbered, under any circumstances, by Contractor without the prior written consent of the County. However, the Agreement shall run with the Escambia County Board of County Commissioners and its successors.

18. Miscellaneous. If any term or condition of this Agreement shall be invalid or unenforceable, the remainder of the terms and conditions of this Agreement shall remain in full force and effect. This Agreement shall not be more strictly construed against either party hereto by reason of the fact that one party may have drafted or prepared any or all of the terms and provisions hereof.

19. Annual Appropriation. Pursuant to the requirements of Florida law and Article II of Chapter 46, Escambia County Code of Ordinances, the County's performance and obligation to fund this Agreement shall be contingent upon an annual appropriation by the Escambia County Board of County Commissioners.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement on the respective dates under each signature:

**COUNTY:
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA**

By: [Signature]
Jack R. Brown, County Administrator

Date: 2/22/18

BCC Approved: _____

[Signature]
Witness

[Signature]
Witness

**CONTRACTOR:
INGRAM SIGNALIZATION, INC.**

BY: [Signature]
William D. Wilson, Vice President

Date: 12-14-2017

ATTEST:

[Signature]

By: _____
Corporate Secretary

(SEAL)

Approved as to form and legal sufficiency.

By/Title: [Signature]
Date: 11/17/17

**SIGNAL RESPONSE MAINTENANCE
SCOPE OF SERVICES**

PART 1 – GENERAL

1.1 INSTRUCTIONS TO BIDDERS – GENERAL NOTES ABOUT PAY ITEMS

- a) A non-mandatory pre-bid meeting shall be held prior to the bid opening to discuss Signal Response Maintenance scope of services and pay items and to receive comments and answer any related questions. Any contractor who wishes to submit a bid is encouraged to have a representative(s) at the pre-bid meeting.
- b) CONTRACTOR's proposed unit prices (Bid Schedule 1 and Bid Schedule 2) shall include, but are not limited to, mobilization, maintenance of traffic, equipment, supplies, incidentals to the project sites, and those operations necessary for the movement of personnel, no separate payment will be made.
- c) Unless otherwise provided in the Bid Schedules, removal cost of existing equipment or parts shall be included in the CONTRACTOR's proposed replacement bid rates, no separate payment will be made.
- d) The COUNTY may use the FDOT state average prices to evaluate the proposed bid rates for parts and equipment.
- e) The COUNTY reserves the right to furnish all necessary signal parts, materials or equipment required for any task and compensates the CONTRACTOR for the labor and necessary equipment to complete the work.
- f) The CONTRACTOR's markup for acquiring any signal parts, materials and equipment not specifically listed in the Bid Form shall not exceed 15% of the actual purchased price.
- g) The COUNTY shall be ultimate authority to interpret the intent of bid documents including scope of services and the CONTRACTOR's proposed rates. After bids are submitted, the CONTRACTOR shall not assert that there was misunderstanding concerning the bid rates or the nature of the work to be done.
- h) Estimated quantities are used to establish unit prices bids and will be used for cost comparison to determine the low bidder and for contract award. The COUNTY does not guarantee any maximum or minimum quantity, any range of quantities, or the exact quantities shown for each item to be bid. The actual reimbursement to the CONTRACTOR will be based on the unit price of the actual amount of work authorized, completed, and approved by the COUNTY.
- i) The COUNTY shall award the Contract to the lowest responsive and responsible bidder as determined by the COUNTY; provided, however, the COUNTY reserves the right to award the Contract to a bidder who is not the lowest responsive and responsible bidder if the COUNTY determines in its reasonable discretion that another bid offers County a better value based upon the reliability, quality of service, or product of such other bidder. In the event County awards the Contract to a bidder other than the lowest responsive and responsible bidder, the COUNTY shall state the basis upon which the award is being made.



1.2 RELATED DOCUMENTS

Unless otherwise specified by the Program Director, Transportation and Traffic Operations Division, or designee (Contract Manager), or in other sections of this specification, all work shall conform to the applicable requirements in the following documents:

- a) Florida Department of Transportation (FDOT), Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, latest edition.
- b) FDOT, Standard Specifications for Road and Bridge Construction, latest edition.
- c) FDOT, Minimum Specifications for Traffic Control Signals and Devices, latest edition.
- d) United States Department of Transportation (USDOT), Federal Highway Administration,
- e) Manual on Uniform Traffic Control Devices for Streets and Highways, latest edition.
- f) National Electric Code, including latest revisions.

1.3 DESCRIPTION OF WORK

The work under this section involves response maintenance of traffic signals throughout Escambia County. Response maintenance is defined as the initial response by the CONTRACTOR to any reported equipment or system malfunction. Response maintenance includes both field procedures used to restore operation and shop procedures followed to repair and test the malfunctioning equipment. Response maintenance includes the following activities:

- a) Receive notification
- b) Secure the site
- c) Diagnose the problem
- d) Perform interim and final repairs
- e) Log the activities
- f) Prepare maintenance reports

The Escambia County Transportation and Traffic Operations Division generates the list of traffic signals to be maintained. The approximate number of signals to be maintained is listed below and will vary as new traffic signals are accepted for maintenance, existing signals are removed, and maintenance for specific signals is temporarily suspended due to construction activity. The Contract Manager will notify the CONTRACTOR in writing of traffic signals added to and deleted from the maintenance list.

TRAFFIC SIGNALS

The following is current list of traffic control signals maintained by the Escambia County:

SIGNAL CLASSIFICATION	CODE	TOTAL
Traffic Signals	(TS)	165
Traffic Signals Interconnected & Monitored	(IMTS)	11
Uninterruptible Power Supplies	(IMTS) W/ (UPS)	10
Intersection Control Beacons	(ICB)	9
Pedestrian Flashing Beacons	(PFP)	28
Emergency Fire Department Signals	(FDS)	10
Speed Activated Warning Displays	(SAWD)	14
Blank Out Signs	(BOS)	0
Traffic Warning Beacons	(TWB)	37
Time Travel Detectors	(TTD)	0
School Zones	(SZ)	76
COMBINED TOTAL		360

These signals include mast arm, span wire, pole mounted and solar powered type systems. For details of different types and configuration of equipment, please contact Escambia County, Transportation and Traffic Operations Division.

PART 2 - PRODUCTS

2.1 CONTRACTOR-FURNISHED PARTS AND EQUIPMENT

- a) The CONTRACTOR shall furnish all transportation, plant, labor, materials, safety signs, supplies, equipment, other facilities, and any necessary items to fully complete the work described in this contract documents.
- b) The CONTRACTOR shall keep in stock a sufficient number of spare controllers, controller cabinets, conflict monitors, modems, video detection equipment, etc. to provide operation of signals consistent with the performance standards described in Section 3.7.
- c) The CONTRACTOR shall return malfunctioning electronic equipment under warranty, to the manufacturer for repair and testing to take advantage of warranty service and any available software update. For non-warranty equipment, the CONTRACTOR shall provide copy of the original invoice of repairs for documentation of work performed and any charges incurred. These units will count on an install only charge.
- d) The COUNTY reserves the right to perform Return Merchandise Authorization (RMA) process for non-warranty equipment.
- e) The CONTRACTOR shall have and operate a laptop computer capable of interfacing with controllers, conflict monitors, various detection systems, Advanced Traffic Management System (ATMS) equipment.
- f) The CONTRACTOR shall furnish warranty period and certification from the equipment vendor that all new parts and equipment, when applicable, have been approved by the Florida Department of Transportation (FDOT) for use on public roads.

- g) The CONTRACTOR shall have a digital camera with date stamp and flash to document the state of the site prior to work performed and after work performed.
- h) Upon completion of the assigned work, the CONTRACTOR shall notify the Contract Manager and certify that the work quantities and quality were accomplished in accordance with the specifications by signing and returning the work document to the COUNTY. All work completed will be inspected to verify quantity and quality prior to approval of the work document.
- i) The CONTRACTOR must receive the Contract Manager's approval prior to commencement of additional work that was not included in the original work order.
- j) The Contractor shall provide an inventory list of equipment that will be used under the Signal Response Maintenance Contract.

2.2 COUNTY-FURNISHED PARTS AND EQUIPMENT

- a) The COUNTY may choose to furnish parts and equipment to the CONTRACTOR for specified work or for general replacement. If parts and/or equipment are furnished by the COUNTY, the CONTRACTOR will be required to sign a receipt and safeguard the equipment until it is used or retrieved by the COUNTY.
- b) The CONTRACTOR shall keep an electronic file of the inventory sheet of County-furnished parts and equipment and shall provide a current listing of such items to the Contract Manager within two business days upon request and when items are taken from or added to inventory.
- c) The COUNTY may elect to furnish video or other detection systems, work order software, and Advanced Traffic Management System software to the CONTRACTOR.
- d) The Contract Manager may retrieve any County-furnished parts and equipment from the CONTRACTOR at any time during normal business hours.

2.3 REMOVED PARTS AND EQUIPMENT

- a) Controllers, conflict monitors, and cabinets that are removed and are suitable for reuse shall be placed into the CONTRACTOR's inventory of County-furnished equipment. Such equipment shall be labeled as County property with the location from which it was removed. These units will count on an install only charge.
- b) Parts and equipment that are removed and are deemed by the CONTRACTOR as suitable for reuse shall be placed into the CONTRACTOR's inventory of County-furnished equipment. The CONTRACTOR shall reuse such parts and equipment, when appropriate, before using new parts and equipment.
- c) Parts and equipment that are removed and not suitable for reuse, but have salvage value, shall be delivered to the Road Department facility, 601 North Hwy 297A, Cantonment, Florida.
- d) Parts and equipment that are removed and are not suitable for reuse and have no salvage value, shall be properly disposed of by the CONTRACTOR at his expense.

- e) Unless otherwise specified, all salvaged equipment, parts and materials shall be considered the COUNTY's property and be delivered to the COUNTY, promptly.

PART 3 – EXECUTION

3.1 AVAILABILITY

- a) The CONTRACTOR shall provide 24-hour service 7 days per week (including all holidays) and provide a contact person to receive and respond to verbal and written work directions for the duration of the contract. The CONTRACTOR shall establish and maintain a telephone number where a Traffic Signal Technician, Level II or higher, can be contacted on a 24-hour basis during the term of the contract.
- b) Service calls after 4:30 PM on weekdays, during weekends, and holidays will be coordinated through the on-call Traffic Signal Technician, Level II or higher, during the aforementioned times without approval by the Contract Manager.
- c) Service calls after 4:30 PM on weekdays, during weekends, and holidays received from the general public and not classified as an emergency shall be documented and sent to the Contract Manager on the next business day.
- d) In the event the CONTRACTOR may anticipate that he will be unavailable for any period of time at the aforementioned telephone number, he shall so notify the Contract Manager. If the CONTRACTOR will be available at any other telephone number not on file with the COUNTY, the CONTRACTOR shall so notify the Contract Manager. It is intended that the CONTRACTOR shall, to the maximum extent practicable, take all reasonable steps to assure his availability for services.
- e) Workers shall present a reasonable appearance and conduct themselves in a courteous manner. Any worker who uses profane or abusive language either verbal or bodily, or who interferes with the work of a county or state inspector or disobeys the instructions of the Contract Manager shall be immediately and permanently discharged from work on this contract.

3.2 ADJUSTMENTS

- a) The CONTRACTOR shall not change signal phasing and timing from approved settings except when directed by the Contract Manager or during emergency response to a malfunction. The CONTRACTOR is encouraged, however, to suggest phasing and timing changes, as needed, to correct problems or to increase efficiency.
- b) The CONTRACTOR shall make adjustments to loop detector sensitivity, video detection zones, and time clocks, as necessary for proper operation.
- c) Any changes made to settings shall be documented. **A copy of the documentation should be left in the controller cabinet and scanned and emailed to the Contract Manager.**

3.3 QUALIFICATIONS

- a) The CONTRACTOR shall have a sufficient amount of prior satisfactory experience in the maintenance of all traffic signal components including, but not limited to advanced traffic management systems, closed-loop systems and video detection systems.

- b) 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" level or higher, by the International Municipal Signal Association (I.M.S.A.). The CONTRACTOR shall employ a minimum of three (3) persons certified "Traffic Signal, Level II", or higher. The CONTRACTOR shall furnish a copy of the certificate issued by the I.M.S.A. for each technician to the Contract Manager before execution of the contract. The CONTRACTOR shall employ a minimum of one (1) technician certified for video detection set-up and operation and shall provide a copy of the associated certificate to the Contract Manager prior to execution of the contract.
- c) Equipment testing such as conflict monitors and controllers shall be performed by a certified "Traffic Signal, Level III" bench technician.

3.4 OPERATIONS

- a) The CONTRACTOR, at their own expense, shall replace the sidewalk slabs, driveway slabs, and any other item, if they are damaged by maintenance activities. If already damaged prior to arrival, the cost of such replacement may be charged to the COUNTY under the time and material rates and upon approval by the Contract Manager. Therefore, the CONTRACTOR shall take before and after photos (2.1(f)) of damaged area and submit with invoice.
- b) All public land corners and monuments that are encountered shall be protected by the CONTRACTOR. Corners and monuments, which conflict with the work and are in danger of disturbance, shall be properly referenced by a Florida Registered Surveyor prior to the beginning of any work at the site. The CONTRACTOR shall assume all costs associated with the restoration of corners and monuments.
- c) The CONTRACTOR shall perform utility locate for signal and communication cables as requested by the Contract Manager, FDOT, utility companies, and other contractors.
- d) In the event of an emergency (i.e., hurricane, flood, etc.), costs associated with performing services shall be charged in accordance with hourly rates and parts/materials schedule.
- e) Gulf Power outages, during after hour calls:
 - Technician of record shall stay in contact with Gulf Power representative until power is restored.
 - Upon notification of power restored, respond within two (2) hours and verify that location is operating properly.
 - In case of power failure at coordinated systems the technician shall verify the following:
 - Communications transmitting/receiving
 - Operation of time of day plan
 - Controller Settings; time of day, day of week, daylight savings
 - Re-install timings if lost and save to eeprom

- f) Maintenance of overhead equipment, such as aerial mounted equipment, mast arms and span wires:
- Aerial Mounted Equipment: replace signal LED modules, signs (static and illuminated), brackets and reflectors, substandard hardware, defective lenses and reflectors, check gaskets for water infiltration and deterioration, check for head alignment, cracks or rust in hardware, hoods, wing nuts, hinges, wear on signal wire, mechanical hardware and condition of back plates.
 - Span Wire: check condition of span and tether wires, clevis pins, clamps and hardware, remove excessive slack.
 - Mast Arms: check clamps, hardware connection bolts for rust, and tightness; prime and spot paint as required.
 - The basis for this maintenance will be conducted through a work order issued by the Contract Manager. Also, the Contract Manager shall approve the complete replacement of signal heads, mast arms and span wire.
- g) Conflict monitors shall be bench tested, not field tested, annually by using a certified conflict monitor test fixture following manufacturer's recommended testing procedures. The Contract Manager shall provide to the CONTRACTOR schedule(s) for the bench testing of all conflict monitors.

3.5 REPORTS

- a) The CONTRACTOR shall prepare an electronic maintenance record and an electronic invoice for each trouble call received. Format shall be specified and/or approved by the Contract Manager. Each maintenance record shall contain the following information:
- Location and signal identification number.
 - Service requested or trouble reported; name of person that made the request or report; date and time received.
 - Person that responded; date and time of arrival at the site; problem found; work completed; date and time work was completed.
 - Maintenance record number.
 - List of materials, parts, and equipment used.
 - List of man-hours by employee and classification.
 - Attach as documentation a copy of vendor invoices.
 - County-furnished parts and equipment used shall be noted as such.
 - Adjustments made to equipment in controller cabinet.
 - Serial numbers and dates of manufacture from equipment removed and new/refurbished equipment installed.
 - Photos of "before" and "after" at each location.
 - Include applicable description and pay item(s) number used to prepare invoice.
- b) Each maintenance record shall be completed in full and transmitted to the Contract Manager within three (3) business days of completion of work. Such record may also serve as the CONTRACTOR's invoice for the work performed.
- c) Invoices submitted separately from a maintenance record shall be transmitted to the Contract Manager within (30) calendar days of completion of work, except for work completed in the last two weeks of each fiscal year (Sept. 16th thru Sept. 30). Invoices for work completed in this time frame shall be transmitted to the Contract Manager on or

before October 7th. Invoices submitted inconsistent with the time limitations stated herein may not be approved for payment.

- d) Conflict monitor bench testing: a print-out of the original test results shall be given to the Contract Manager and a copy will remain with the unit tested.
- e) The CONTRACTOR may request addendum for material pricing in the contract. Contract Manager will forward approved addendum requests to the Board of County Commissioners for approval of the contract modification.
- f) All documentation shall be submitted electronically.
- g) The CONTRACTOR shall adhere to use any software or platform that the COUNTY elect for its asset management, work order, reporting and invoicing.

3.6 RESPONSE MAINTENANCE

3.6.1 TASK PRIORITIES

The CONTRACTOR shall arrive at the work site according to the schedule outlined below. The order of priorities during initial response is:

- 1) Assure work area is safe and proper M.O.T. established when necessary.
- 2) Assure work area is safe for both vehicular and pedestrian traffic.
- 3) Identify the operational issue and make repairs. Repairs which involve the replacement of general incidental maintenance items (e.g., LEDs, loop detectors, load switches, pedestrian detectors, controllers and conflict monitors) shall be completed during the time of initial response. There shall be no charge for any subsequent visits related to the original response, unless approved by the Contract Manager, consistent with performance standards described in Section 3.7 of scope of services.

3.6.2 RESPONSE TIMES

The following shall be considered the standard criteria for response times:

- a) Response maintenance calls during weekday hours between 0800 hours – 1630 hours, excluding legal holidays: One (1) hour.
- b) Response maintenance calls at all other times: Two (2) hours.
- c) Utility locates: Two (2) business days.

If the CONTRACTOR fails to respond within the specified times, the COUNTY may charge for non-performance as set forth in Part 3 of this contract. The COUNTY may exercise the option to enlist the services of another contractor to complete necessary repairs. The CONTRACTOR will be charged the cost incurred plus an administrative fee of 10%.

The Contract Manager shall approve all response maintenance calls during weekday hours. It is the CONTRACTOR's responsibility to acquire the Contract Manager's approval before proceeding to work.

Response times for after-hours service calls (1631 hours – 0759 hours) and weekends/holidays shall be reviewed and initiated by the CONTRACTOR's Level II Traffic Signal Technician who shall be responsible for determining the proper response time. The CONTRACTOR shall provide the Contract Manager with weekly report of all after-hour services. The following are typical applications for response times:

Two-Hour Response Time:

- Intersection completely out/in flash
- Cabinet/pole knockdown
- Dual signal indications out
- Left/right turn signal indications out
- Not cycling properly

Next Day Response:

- Single signal indication out on thru phases only
- Activating without demand
- Pedestrian indication out

Response Time Exceptions:

- Heavy rain
- High winds
- Fog
- Tornado warnings
- Tropical storms
- Hurricanes

Work shall commence as soon as conditions improve or warnings are lifted by National Weather Service.

3.7 REPAIR TIME

- a) Any work which typically cannot be finalized during the initial response, shall be completed by The CONTRACTOR according to the following schedule:
- Pole knockdown or damage: restore safe operation within 6 hours; order replacement pole within one (1) business day; notify the COUNTY of estimated delivery date; install new pole within five (5) business days upon receipt.
 - Pedestrian pedestal knockdown: install new pedestal assembly within five (5) business days.
 - Sign knockdown or damage: advise the Contract Manager within one (1) business day; the COUNTY will furnish a new sign; install new sign within five (5) business days upon receipt.
 - Controller cabinet collision: replace cabinet with County-furnished stock or rental within eight (8) hours; order replacement equipment within one (1) business day; notify COUNTY of estimated delivery date; install new cabinet within five (5) business days upon receipt.
 - Controller, master, or conflict monitor failure: replace unit with spare within four (4) hours; order replacement unit or ship unit to manufacturer for repair within one (1) business day; install replacement unit within five (5) business days upon receipt.

- Video Detection/Loop assembly failure: implement max/min recalls to re-establish lost functionality for video detection, repair/replace necessary failed video components within two (2) business days; for loop detection, temporarily splice if possible and install new loop assembly within five (5) business days. Test each new loop assembly in accordance with FDOT standards. Record test results and certify accuracy on a Traffic Signal Resistance Data Sheet (re: Appendix "A"). Transmit the original certified data sheet with the maintenance record to the Contract Manager.
- Signal assembly knockdown: install new signal assembly within 24 hours.
- Span wire knockdown or damage: notify law enforcement for traffic control; install new span wire within 24 hours.
- Communication cable failure: If communication cable is found to be damaged, document findings and provide Contract Manager with a written repair estimate within five (5) business days.
- Grounding failure or damage: install new grounding within five (5) business days. Test each new ground assembly in accordance with FDOT standards. Record test results and certify accuracy on a Traffic Signal Resistance Data Sheet (RE: Appendix "A"). Transmit the original certified data sheet with the maintenance record to the Contract Manager.
- Conflict monitors shall be bench tested and re-installed within five (5) business days of work order being issued.

b) The Contract Manager may order service and minor design modifications (e.g., signal display adjustments, detector modifications and timing changes). The CONTRACTOR shall complete such service orders within ten (10) business days.

If the CONTRACTOR fails to respond within the times specified, the COUNTY may charge penalties for non-performance as set forth in the Bid Sheet and may procure the work to be performed by another CONTRACTOR and charge back to the CONTRACTOR the cost incurred plus an administrative fee of 10%.

CHARGES FOR NON-PERFORMANCE

(Per Occurrence):

Failure to Transmit Maintenance Record Within Three (3) Business Days	\$1,000
Failure to Respond to Trouble Call Within Specified Time	\$1,000
Failure to Complete Repair Within Specified Time	\$1,000
Failure to Comply with FDOT Maintenance of Traffic Standards	\$1,000

Appendix "A"

TRAFFIC SIGNAL RESISTANCE MEASUREMENTS DATA SHEET

Intersection: _____

LOOP ASSEMBLY RESISTANCE

GROUND ROD RESISTANCE

	Loop Location/No.	Series Resistance	Insulation Resistance
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

	Rod Location Resistance	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

SIGNATURE OF CONTRACTOR'S REPRESENTATIVE
IMSA Level II - Certified Technician

DATE

**SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(A),
FLORIDA STATUTES, ON ENTITY CRIMES**

1. This sworn statement is submitted to _____
(Print Name of Public Entity)

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 of 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 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:
 - a. A predecessor or successor of a person convicted of a public entity crime; or
 - b. An entity under the control 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 a public entity crime in Florida during the preceding thirty-six (36) months shall be considered an affiliate.

- c. 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 the legal power to enter into binding contract and which bids or applies to bid on contracts for the provision of goods or 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.
- d. 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 any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any 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 its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the 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 its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with a 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 Officer determined that is 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 ONE (1) 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 _____,

20_____. Personally known _____

OR produced identification _____ Type of Identification: _____

Notary Public: State of _____

My Commission Expires: _____

 (Printed, Typed, or Stamped Commissioned Name of Notary Public)

Drug-Free Workplace Form

The undersigned vendor, in accordance with Florida Statue 287.087 hereby certifies that _____ does:

(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business' policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in Paragraph One (1).
4. In the statement specified in Paragraph One (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or please of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of Paragraphs 1 through 5.

Check One:

_____ As the person authorized to sign this statement, I certify that this firm complies fully with the above requirements.

_____ As the person authorized to sign this statement, this firm **does not** comply fully with the above requirements.

Offeror's Signature

Date

Information Sheet for Transactions and Conveyances
Corporate Identification
(Page 1 of 2)

The following information will be provided to the Escambia County Legal Department for incorporation in legal documents. It is, therefore, vital that all information is accurate and complete. Please be certain that all spelling, capitalization, etc. is exactly as registered with the state or Federal Government.

(Please Circle One)

Is this a Florida Corporation:

Yes or No

If not a Florida Corporation:

In what state was it created: _____

Name as spelled in that state: _____

What kind of corporation is it:

"For Profit" or "Not for Profit"

Is it in good standing:

Yes or No

Authorized to transact business in Florida:

Yes or No

State of Florida Department of State Certificate of Authority Document Number:

Does it use a registered fictitious name:

Yes or No

Names of Officers:

President: _____

Secretary: _____

Vice President: _____

Treasurer: _____

Director: _____

Director: _____

Other: _____

Other: _____

Name of Corporation (As Used in Florida)

(Spelled Exactly as it is Registered with the state or Federal Government)

Corporate Address:

Post Office Box: _____

City, State, Zip: _____

Street Address: _____

City, State, Zip: _____

(Please provide both the Post Office Box and street address for mail and/or express delivery; also for recorded instruments involving land.)

Please complete this form on the following page.

**Information Sheet for Transactions and Conveyances
Corporate Identification
(Page 2 of 2)**

Federal Identification Number:

(For all instruments to be recorded, taxpayer's identification is needed.)

Contact Person for Company:

E-Mail: _____

Telephone: _____

Facsimile: _____

Name of Individual Who Will Sign the Instrument on Behalf of the Company:

Upon Certification of Award, Contract shall be signed by the President or Vice President. Any other officer shall have permission to sign via a resolution approved by the Board of Directors on behalf of the company. Awarded Contractor shall submit a copy of the resolution together with the executed Contract to the Office of Purchasing.

(Spelled exactly as it would appear on the instrument.)

Title of the Individual Named Above Who Will Sign on Behalf of the Company:

END

Verified by: _____

Date: _____

ESCAMBIA COUNTY, FLORIDA GENERAL TERMS and CONDITIONS

The following General Terms and Conditions are incorporated by reference and have the same legal effect as if printed in its entirety.

A full textual copy of these conditions may be obtained by visiting the Office of Purchasing web site (see Bid Information below), by telephoning the Office of Purchasing at 850-595-4980, or by fax at 850-595-4806.

NOTE: Any and all Special Terms and Conditions and specifications referenced within the solicitation which varies from these General Terms and Conditions shall have precedence. Submission of the Bidder Solicitation, Offer, and Bid Form(s) in accordance with these General Terms and Special Terms and Conditions constitutes an offer from the Offeror. If any or all parts of the offer are accepted by Escambia County Florida, an authorized representative of the County shall affix his signature hereto, and this shall then constitute a written Agreement between parties. The conditions incorporated herein become a part of the written Agreement between the parties.

BID INFORMATION: See Escambia County Office of Purchasing web site at <https://myescambia.com/our-services/purchasing> then click "Solicitations".

1. Sealed Solicitations
2. Execution of Solicitation
3. No Offer
4. Solicitation Opening
5. Prices, Terms, and Payment
 - 5.01 Taxes
 - 5.02 Discounts
 - 5.03 Mistakes
 - 5.04 Condition and Packaging
 - 5.05 Safety Standards
 - 5.06 Invoicing and Payment
 - 5.07 Annual Appropriations
6. Additional Terms and Conditions
7. Manufacturers' Name and Approved Equivalents
8. Interpretations/Disputes
9. Conflict of Interest
 - 9.01 County Procedure on Acceptance of Gifts
 - 9.02 Contractors Required to Disclose Any Gift Giving
 - 9.03 Gratuities
10. Awards
11. Non-Conformation to Contract Conditions
12. Inspection, Acceptance, and Title
13. Governmental Restrictions
14. Legal Requirements
15. Patents and Royalties
16. Price Adjustments
17. Cancellation
18. Abnormal Quantities
19. Advertising
20. Assignment
21. Liability

**The following General Terms and Conditions are incorporated by reference
(Continued)**

22. Facilities
23. Distribution of Certification of Contract
24. The Successful Bidder(s) Must Provide
25. Addition/Deletion of Items
26. Ordering Instructions
27. Public Records
28. Delivery
29. Samples
30. Additional Quantities
31. Service and Warranty
32. Default
33. Equal Employment Opportunity
34. Florida Preference
35. Contractor Personnel
36. Award
37. Uniform Commercial Code
38. Contractual Agreement
39. Payment Terms/Discounts
40. Improper Invoice; Resolution of Disputes
41. Public Entity Crimes
42. Suspended and Debarred Vendors
43. Drug-Free Workplace Form
44. Information Sheet for Transactions and Conveyances
45. Copies
46. License and Certifications – For access to Certification/Registration Form for doing Business in Florida, go to the Department of State, Division of Corporations, URL:
<http://dos.myflorida.com/sunbiz/search/>
47. Execution of Contract
48. Purchase Order
49. No Contingent Fees
50. Solicitation Expenses
51. On-Line Auction Services

SPECIAL TERMS AND CONDITIONS

The Board of County Commissioners, Escambia County, Florida, invites your company to submit a sealed offer on the item(s) as listed in this solicitation request.

All terms and conditions below are a part of this request, and no offer will be accepted unless all these conditions have been complied with. The County reserves the right to waive informalities in any offer; to reject any or all offers, in whole or in part, and/or to accept the offer(s) that in its judgement is from the lowest, most responsible, and responsive Offeror(s).

Instructions to Offerors

1. General Information

All offers to be considered shall be in the possession of the Office of Purchasing prior to the time of the solicitation closing. Offers may be mailed or delivered to the Office of Purchasing, 2nd Floor, Room 11.101, Matt Langley Bell, III Bldg., 213 Palafox Place, Pensacola, FL 32502, in a sealed envelope clearly marked:

Specification Number PD 16-17.083, "SIGNAL RESPONSE MAINTENANCE", Name of Submitting Firm, Time and Date due.

Note: If you are using a courier service (FedEx, Airborne, UPS, etc.) you must mark the air-bill and envelope or box with the Specification number and project name.

Regardless of the method of delivery, each Offeror shall be responsible for his offer(s) being delivered on time as the County assumes no responsibility for same. Offers offered or received after the time set for solicitation closing will be rejected and returned unopened to the Offeror(s).

The Following Policy will apply to all methods of source selection:

A. Conduct of Participants

After the issuance of any solicitation, all bidders/proposers/protestors or individuals acting on their behalf are hereby prohibited from **lobbying** as defined herein or otherwise attempting to persuade or influence any elected County officials, their agents or employees or any member of the relevant selection committee at any time during the **blackout period** as defined herein; provided, however, nothing herein shall prohibit bidders/proposers/protestors or individuals acting on their behalf from communicating with the purchasing staff concerning a pending solicitation unless otherwise provided for in the solicitation or unless otherwise directed by the Purchasing Manager.

B. Definitions

Blackout Period means the period between the time the bids/proposals for invitations for bid or the request for proposal, or qualifications, or information, or requests for letters of interest, or the invitation to negotiate, as applicable, are received at the Escambia County Office of Purchasing and the time the Board awards the contract and any resulting bid protest is resolved or the solicitation is otherwise cancelled.

Lobbying means the attempt to influence the thinking of elected County officials, their agents or employees or any member of the relevant Selection Committee for or against a specific cause related to a pending solicitation for goods or services, in person, by mail, by facsimile, by telephone, by electronic mail, or by any other means of communication.

C. Sanctions

The Board may impose any one or more of the following sanctions on a non-employee for violations of the policy set forth herein:

- 1) Rejection/Disqualification of Submittal,
- 2) Termination of Contract; or
- 3) Suspension or Debarment as Provided in Sec. 46-102 of the Escambia County Code of Ordinances.

This policy is not intended to alter the procedure for Protested Solicitations and Awards as set forth in the Sec. 46-101 of the Escambia County Code of Ordinances.

2. SCOPE OF SERVICES SUMMARY

The work under this section involves response maintenance of traffic signals throughout Escambia County. Response maintenance is defined as the initial response by the CONTRACTOR to any reported equipment or system malfunction. Response maintenance includes both field procedures used to restore operation and shop procedures followed to repair and test the malfunctioning equipment. Response maintenance includes the following activities:

- a) Receive notification
- b) Secure the site
- c) Diagnose the problem
- d) Perform interim and final repairs
- e) Log the activities
- f) Prepare maintenance reports

3. Bid Surety

Each offer shall be accompanied by a bid bond, cashier's check or certified check in the amount of \$1,000.00.

Checks or bonds are to be made payable to Escambia County, Florida. The amount of the bond or check is the amount of liquidated damages agreed upon should the offeror fail or refuse to enter into a contract with the County.

A County warrant in the amount of the bid check(s) of the successful offeror(s) will be returned immediately after the offeror and the County are mutually bound by contract as evidenced by signatures thereto by an authorized representative of both the offeror and the County, and/or the offeror accepts the purchase order by signing the solicitation, offer and

award form/acceptance copy of same and returning to the County Purchasing department. Any unsuccessful offeror(s) will have the amounts of his cashier's or certified check returned via County warrant promptly after award.

All offerors agree that any interest earned on any bid surety while in possession of the County, or its agents, shall be retained by the County.

4. Bonds

Performance and Payment Bonds

The County shall require the successful offeror(s) to furnish **separate performance and payment bonds**, per Florida Statute 337.18, under pledge of adequate surety and covering up to **100% of the dollar value of award** on the forms provided by the County. Value of the bonds shall not exceed the awarded contract price.

Such bonds shall be issued by sureties authorized to act as a surety by the State of Florida. Bonds of the successful offeror(s) shall be reviewed by the Office of Purchasing to assure compliance, then recorded in the Office of the Clerk of the Circuit Court Recording Office, 1st Floor, 221 Palafox Place, Pensacola, Florida, by the successful offeror at his expense before the contract is executed. The cost of recording is \$10.00 for the first page and \$8.50 for each additional page.

5. Procurement Questions

Questions may be directed to Emily D. Weddington, CPPB, Purchasing Specialist, at edweddington@myescambia.com. Last day for questions will be October 23, 2017 at 5:00 p.m. CDT.

6. Bid Forms

This Solicitation contains a Solicitation, Offer, and Bid Form which shall be submitted in a sealed envelope with Original signatures in indelible ink signed in the proper spaces. Responses on vendor forms will not be accepted.

The Offeror's Checklist included in this Solicitation provides instructions to the Offeror on the documentation to be submitted during the procurement process.

7. Pre-Solicitation Conference

A Non-Mandatory Pre-Solicitation Conference will be held in the Office of Purchasing Conference Room, 11.407 on October 17, 2017 at 9:00 a.m. CDT.

It is strongly encouraged that all potential bidders attend this non-mandatory conference so they can ask questions and be automatically notified of any updates prior to the Bid Opening.

8. Liquidated Damages/Charges for Non-Performance

(Per Occurrence):

Failure to Transmit Maintenance Record Within Three (3) Business Days	\$1,000
Failure to Respond to Trouble Call Within Specified Time	\$1,000
Failure to Complete Repair Within Specified Time	\$1,000
Failure to Comply with FDOT Maintenance of Traffic Standards	\$1,000

9. Safety Regulations

Equipment shall meet all state and federal safety regulations for grounding of electrical equipment.

10. Codes and Regulations

The awarded vendor shall strictly comply with all federal, state and local building and safety codes.

11. Payment

Partial payments in the full amount for the value of items received and accepted may be requested by the submission of a properly executed **original** invoice, with supporting documents if required. Payment for accepted equipment/supplies/services will be accomplished by submission of an **original** invoice, in duplicate, to:

Clerk of the Circuit Court
Attention: Accounts Payable
221 Palafox Place
Pensacola, FL 32502

12. Warranty

The awarded vendor shall fully warrant all equipment furnished hereunder against defect in materials and/or workmanship for a period of one (1) year from date of acceptance by Escambia County.

Should any defect in materials or workmanship, except ordinary wear and tear, appear during the above stated warranty period, the awarded vendor shall repair or replace same at no cost to the County, immediately upon written notice from the Purchasing Chief.

13. Debris

Awarded vendor shall be responsible for the prompt removal of all debris, which is a result of this contractual service.

14. Protection of Property/Security

The awarded vendor shall provide all barricades and take all necessary precautions to protect buildings and personnel.

All work shall be completed in every respect and accomplished in a professional manner and awarded vendor shall provide for removal of all debris from County property.

The awarded vendor shall at all times guard against damage or loss to property of Escambia County, or of other vendors or contractors, and shall be held responsible for replacing or repairing any such loss or damage.

The County may withhold payment or make such deductions as deemed necessary to insure reimbursement or replacement for loss or damage to property through negligence of the awarded offeror or his agent.

The awarded vendor shall at all times guard against injury to Escambia County employees. The vendor shall properly fence and secure the construction site(s) at all times, including

evenings and weekends.

The awarded vendor must, at all times, comply with State of Florida and Occupational Safety and Health Administration (OSHA) safety regulations.

15. Emergency Services

The contractor resulting from this solicitation is for services that are required during **EMERGENCY** situations such as hurricanes, major fires, etc. Time is of the essence during these situations and the vendor awarded this contract should be able to be contacted at any time, day or night.

The Bid Form provides for the emergency information to be supplied. Please be sure to include all this information when returning your bid.

16. Permits

The County and/or its contracted consultant(s) have conducted a review of required permits and fees required to be purchased by the contractor from the County permitting agencies for this specific project and they are listed on the bid form(s) to the best of our knowledge.

17. Compliance with Governing Laws and Regulations

The offeror or contractor will be required to fully comply with all applicable federal, state, and local regulations. The offeror should carefully review these requirements which are detailed in this solicitation.

18. Contract Term/Renewal/Termination

A. The contract resulting from this Solicitation shall commence effective upon execution by both parties and extend for a period of twelve (12) months. The contract may be renewed for additional twelve (12) months periods, up to a maximum thirty-six (36) months upon mutual agreement of both parties. If any such renewal results in changes in the terms or conditions, such changes shall be reduced to writing as an addendum to this contract and such addendum shall be executed by both parties and approved by the Board of County Commissioners.

Renewal of the contract shall be subject to appropriation of funds by the Board of County Commissioners.

B. The initiation County department(s) shall issue release (purchase) orders against the term contract on an "as needed" basis.

C. The contract may be canceled by the awarded vendor, for good cause, upon ninety (90) days prior written notice.

D. The County retains the right to terminate the contract, with or without good cause, upon thirty (30) days prior written notice.

E. In the event of termination by either party as provided herein, the awarded vendor shall be paid for services performed through the date of termination.

19. Ordering

The County will issue release (purchase) orders against the contract on an as needed basis for the supplies or services listed on the bid form.

20. **Award**

Award shall be made on an "all-or-none total" basis.

21. **Termination (Services)**

The Contract Administrator shall notify the Office of Purchasing of unsatisfactory performance and/or deficiencies in service that remain unresolved or recurring. The Office of Purchasing shall notify the contractor, in writing, of such unresolved or recurring deficiencies within five (5) working days of notification by the Contract Administrator.

Upon the third such written notification of unsatisfactory performance and/or deficiencies to the contractor by the Office of Purchasing within a four (4) month period; or the sixth such notification within any contract term, shall result in issuance of written notice of immediate contract termination to the contractor by the Office of Purchasing. Such termination may also result in suspension or debarment of the contractor.

22. **Termination (Public Records Request)**

If the contractor refuses to allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the contractor in conjunction with this agreement then the County may, without prejudice to any right or remedy and after giving the contractor and his surety, if any, seven (7) days written notice,

during which period contractor still fails to allow access, terminate the employment of the contractor and take possession of the site and of all materials, equipment, tools, construction equipment and machinery thereon, owned by the contractor, and may finish the project by whatever method it may deem expedient. In such case, the contractor shall not be entitled to receive any further payment until the project is finished. Reasonable terminal expenses incurred by the County may be deducted from any payments left owing the contractor (excluding monies owed the contractor for subcontract work.)

23. **As Specified**

All items delivered shall meet the specifications herein. Items delivered not as specified will be returned at no expense by Escambia County. The County may return, for full credit, any unused items received which fail to meet the County's performance standards.

Insurance Requirements

24. **Standard Insurance Requirements and Certificates**

This offer contains an extensive insurance requirement. Offerors are encouraged to review these requirements with their insurance agents before submitting offers.

It is not necessary to have this level of insurance in effect at the time of submitting the offer.

A letter from the offeror's insurance carrier will be required as evidence that the offeror will be able to obtain the levels of insurance as required by the contract and indicated on the Sample Certificate of Insurance should your firm be awarded the contract.

A. **County Insurance Required**

The contractor shall procure and maintain the following described insurance, except for

coverages specifically waived by the County. Such policies shall be from insurers with a minimum financial size of VII according to the latest edition of the AM Best Rating Guide. An A or better Best Rating is "preferred"; however, other ratings if "Secure Best Ratings" may be considered. Such policies shall provide coverages for any or all claims which 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.

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.

The required insurance shall be obtained and written for not less than the limits of liability specified hereinafter, or as required by law, whichever is greater.

These insurance requirements shall not limit the liability of the contractor.

The County does not represent these types or amounts of insurance to be sufficient or adequate to protect the contractor's interests or liabilities, but are merely minimums.

Except for worker's compensation and professional liability, the contractor's insurance policies shall be endorsed to name Escambia County as an additional insured to the extent of its interests arising from this agreement, contract or lease.

The contractor waives its right of recovery against the County, to the extent permitted by its insurance policies.

The contractor's deductibles/self-insured retentions shall be disclosed to the County and may be disapproved by the County. They shall be reduced or eliminated at the option of the County. The contractor is responsible for the amount of any deductible or self-insured retention.

Insurance required of the contractor or any other insurance of the contractor shall be considered primary, and insurance of the County, if any, shall be considered excess, as may be applicable to claims obligations which arise out of this agreement, contract or lease.

B. Workers Compensation Coverage

The contractor shall purchase and maintain worker's compensation insurance for all worker's compensation obligations imposed by state law and with employer's liability limits of at least \$100,000 each accident and \$100,000 each employee/\$500,000 policy limit for disease, or a valid certificate of exemption issued by the state of Florida, or an affidavit in accordance with the provisions of Florida Workers Compensation law.

Contractor shall also purchase any other coverages required by law for the benefit of employees.

C. General, Automobile and Excess or Umbrella Liability Coverage

The contractor shall purchase and maintain coverage on forms no more restrictive than the latest editions of the commercial general liability and business auto policies of the insurance services office.

Minimum limits of \$1,000,000.00 per occurrence for all liability must be provided, with excess or umbrella insurance making up the difference, if any, between the policy limits of underlying policies (including employer's liability required in the worker's compensation coverage section) and the total amount of coverage required.

D. General Liability Coverage - Occurrence Form Required

Coverage A shall include bodily injury and property damage liability for premises, operations, products and completed operations, independent contractors, contractual liability covering this agreement, contract or lease, broad form property damage coverages, and property damage resulting from explosion, collapse or underground (x,c,u) exposures.

Coverage B shall include personal injury.

Coverage C, medical payments, is not required.

The contractor is required to continue to purchase products and completed operations coverage, at least to satisfy this agreement, contract or lease, for a minimum of three years beyond the County's acceptance of renovation or construction projects.

E. Business Auto Liability Coverage

Business auto liability coverage is to include bodily injury and property damage arising out of ownership, maintenance or use of any auto, including owned, non-owned and hired automobiles and employee non-ownership use.

The General Liability and Business Auto Liability policies shall be endorsed to include Escambia County as an additional insured and provide for 30-day notification of cancellation.

F. Excess or Umbrella Liability Coverage (If utilized to achieve required policy limits)

Umbrella liability insurance is preferred, but an excess liability equivalent may be allowed. Whichever type of coverage is provided, it shall not be more restrictive than the underlying insurance policy coverages. Umbrella coverage shall drop down to provide coverage where the underlying limits are exhausted.

G. Evidence/Certificates of Insurance

Required insurance shall be documented in certificates of insurance. If and when required by the County, certificates of insurance shall be accompanied by documentation that is acceptable to the County establishing that the insurance agent and/or agency issuing the certificate of insurance has been duly authorized, in writing, to do so by and on behalf of each insurance company underwriting the insurance coverage(s) indicated on each certificate of insurance.

New certificates of insurance are to be provided to the County at least 30 days prior to coverage renewals. Failure of the contractor to provide the County with such renewal certificates may be considered justification for the County to terminate this agreement, contract or lease.

Certificates should contain the following additional information:

1. Indicate that Escambia County is an additional insured on the liability and business auto policies.
2. Include a reference to the project and the Office of Purchasing number.
3. Disclose any self-insured retentions in excess of \$1,000.
4. Designate Escambia County as the certificate holder as follows:

Escambia County
Attention: Emily D. Weddington, CPPB, Purchasing Specialist
Office of Purchasing, Room 11.101
P.O. Box 1591
Pensacola, FL 32591-1591
Fax (850) 595-4806

5. Indicate that the County shall be notified at least 30 days in advance of cancellation.

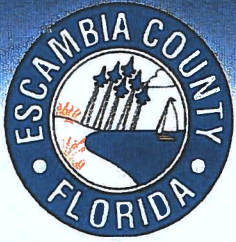
Receipt of certificates or other documentation of insurance or policies or copies of policies by the County, or by any of its representatives, which indicate less coverage than required does not constitute a waiver of the contractor's obligation to fulfill the insurance requirements herein.

If requested by the County, the contractor shall furnish complete copies of the contractor's insurance policies, forms and endorsements, and/or such additional information with respect to its insurance as may be requested.

For commercial general liability coverage, the contractor shall, at the option of the County, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage.

25. Indemnification

Contractor agrees to save harmless, indemnify, and defend County and Architect/Engineer and their, agents, officers and employees from any and all claims, losses, penalties, interest, demands, judgments, and costs of suit, including attorneys' fees and paralegals' fees, for any expense, damage or liability incurred by any of them, whether for personal injury, death, property damage, direct or consequential damages, or economic loss, including environmental impairment, arising directly or indirectly on account of or in connection with the Work done by Contractor under this Agreement or by any person, firm or corporation to whom any portion of the Work is subcontracted by Contractor or resulting from the use by Contractor, or by any one for whom Contractor is legally liable, of any materials, tools, machinery or other property of County. County and Contractor agree the first \$100.00 of the Contract Amount paid by County to Contractor shall be given as separate consideration for this indemnification, and any other indemnification of County by Contractor provided for within the Contract Documents, the sufficiency of such separate consideration being acknowledged by Contractor by Contractor's acceptance and execution of the Agreement. The Contractor's obligation shall not be limited by, or in any way to, any insurance coverage or by any provision in or exclusion or omission from any policy of insurance. The Contractor agrees to pay on behalf of Escambia County, as well as provide a legal defense for the County, both of which will be done only if and when requested by the County, for all claims made. Such payment on the behalf of the County shall be in addition to any and all other legal remedies available to the County and shall not be considered to be the County's exclusive remedy.



Board of County Commissioners • Escambia County, Florida

Paul R. Nobles/Purchasing Manager
Office of Purchasing

October 26, 2017

To: All Known Prospective Bidders

Addendum Number 1:

Re: Signal Response Maintenance
Specification Number: PD 16-17.083

All:

We recently sent you an Invitation to Bid on the above-mentioned specification.

This Addendum Number 1 provides for responses to questions and a revised bid form.

Questions/Responses

1. 650-1-AB; Traffic Signal Assemblies-Will Escambia County expect pivotal hangers to be in the F & I cost of this item (Span Wire Installation) or will it be listed separately?
Response: *Cost of pivotal hangers for Span Wire Installation should not be included in the F & I cost.*
2. Who will be responsible for having the annual MMU/Conflict Monitors testing completed?
Response: *Contract Manager shall coordinate & provide to the Contractor schedule(s) for all conflict monitors testing. Please refer to Scope of Services, Section 3.4 for more information.*
3. Section 3.3 Qualification (c)- Can a Level III Field Technician be substituted for the Level III Bench Technician?
Response: *The Equipment testing such as conflict monitors and controllers can be performed by a certified Traffic Signal Level III Bench Technician or a Traffic Signal Level III Field Technician.*
4. Should there be an item for Technician Level II for M-F 8:00am – 4:30pm?
Response: *A pay item for Technician - IMSA Level II (MON-FRI, 8:00 AM-4:30 PM) has been added to the Bid Schedule 2. Please refer to the revised Bid Schedule 2.*
5. Please see attached bid form. It appears that items 116-120 are a repeat of items 111-115. Does this need to be corrected?
Response: *Duplicate pay items have been deleted from Bid Schedule 2. Please refer to the revised Bid Schedule 2.*

6. Bid Schedule 1 - (FURNISH & INSTALL (F&I), INSTALL, REMOVE, & RELOCATE BID ITEMS):

- If a line item states "Install" (ex. 633-1310 Fiber Optic Cable, Install, Overhead) should the contractor assume labor & equipment only with the materials to be supplied by the county?

Response: "Install" pay items should not include materials cost.

- For "relocation" items such as cable, will the county supply the cable if the relocation requires additional cable to move the appropriate distances or will the county just use a furnish and install "new" cable line item? If the relocation line requires the contractor to supply additional cable for the move, what should be the distance to base the cable footage from?

Response: "Relocate" pay items should not include materials cost.

- Next Series of questions are being asked for a better understanding of the overall current county system and how the county wants to maintain the fluidity of the system.

Response: Currently Escambia County has no established TSP, all manufacturer's and models information to follow are gathered from existing field installation components. Bidding contractors can elect to utilize comparable equipment which is currently listed on the FDOT APL and proven to be compatible.

- I. What are the manufacturer(s) that are currently in the field for the 654-1-AB - IN ROADWAY LIGHT ASSEMBLY line items? What are the makes and models? What is currently being spec'd for future installs?

Response: Transportation Safety Corp. TS-1200 controller and TS-500 IEC fixture.

- II. What are the manufacturer(s) that are currently in the field for the 660 -1ABC - LOOP DETECTORS line items? What are the makes and models? What is currently being spec'd for future installs?

Response: Any FDOT APL approved loop detector.

- III. What are the manufacturer(s) that are currently in the field for the 660-4-AB - VEHICLE DETECTION SYSTEM-VIDEO line items? What are the makes and models? What is currently being spec'd for future installs?

Response: Recent construction and upgrades have included Gridsmart Aldis 360° video detection systems, also Iteris Edge systems with WDR cameras are in the network along with legacy Peek Video Trax.

- IV. What are the manufacturer(s) that are currently in the field for the 670-5ABC Traffic Controller Assembly line items? What are the makes and models? What is currently being spec'd for future installs?

Response: Majority of new installations are TCS - TS2 Type 2 cabinets with McCain ATCeX controllers.

- V. What are the manufacturer(s) that are currently in the field for the 684-1-A - MANAGED FIELD ETHERNET SWITCH line items? What are the makes and models? What is currently being spec'd for future installs?

Response: ITS Express 8000 Series.

VI. What are the manufacturer(s) that are currently in the field for the 685-1-AB - UNINTERRUPTIBLE POWER SUPPLY line items? What are the makes and models? What is currently being spec'd for future installs?

Response: *Meyers PB 2000 Series.*

VII. What are the manufacturer(s) that are currently in the field for the 700-11-ABC - ELECTRONIC DISPLAY SIGN line items? What are the makes and models? What is currently being spec'd for future installs?

Response: *IDC 1520/1820 Models*

VIII. What are the manufacturer(s) that are currently in the field for the 700-12-AB - SIGN BEACON line items? What are the makes and models? What is currently being spec'd for future installs?

Response: *Carmanah R247 Series*

7. Bid Schedule 2 - (LABOR AND MATERIAL BID ITEMS): Please clarify the meaning of "Labor and Material bid Items". It is our understanding from the pre bid meeting that the contractor should factor just labor and equipment only, to install county supplied materials under the "Bid Schedule 2" line items. Is this correct?

Response: *Bid Schedule 2 is for the Contractor's labor, equipment and materials rates. The County reserves the right to furnish all necessary signal parts, materials or equipment required for any task and compensates the Contractor for the labor and necessary equipment to complete the work. For more information, please refer to Scope of Services, Section 1.1, Instruction to Bidders*

8. "The COUNTY does not guarantee any maximum or minimum quantity, any range of quantities, or the exact quantities shown for each item to be bid. The actual reimbursement to the CONTRACTOR will be based on the unit price of the actual amount of work authorized, completed, and approved by the COUNTY." As there are not lump sum items provided for Mobilization and Maintenance of Traffic, will technician hours be charged, as used, per work order or are we to "include" Mob & MOT as incidental to each item? Inclusion as incidental would be problematic as a call to replace one LED signal module for instance would need to include response preparation, drive time, lane closure setup and the labor to change the insert, which is a tiny fraction of the cost. Please advise.

Response: *Please refer to Scope of Services, Section 1.1, Instruction to Bidders: Contractor's proposed unit prices (Bid Schedule 1 and Bid Schedule 2) shall include, but are not limited to, mobilization, maintenance of traffic, equipment, supplies, incidentals to the project sites, and those operations necessary for the movement of personnel, no separate payment will be made.*

9. "The CONTRACTOR shall keep in stock a sufficient number of spare controllers, controller cabinets, conflict monitors, modems, video detection equipment, etc. to provide operation of signals consistent with the performance standards described in Section 3.7."

- Can the county provide a suggested inventory list with manufacturer name and model number?

Response: *Six (6) Spare controllers, two (2) Controller Cabinets, Six (6) Conflict Monitors, and two (2) Video Systems. Modems shall be supplied by the County.*

- How will establishment and replenishment of the inventory be paid for?

Response: The Contractor shall be responsible to purchase and maintain the required equipment inventory. Please refer to Scope of Services, Part 2 – Products.

This Addendum Number 1 is furnished to all known prospective Bidders. Please sign and return one copy of this Addendum, with original signature, with your bid as an acknowledgement of you having received same. You may photo copy for your record.

Sincerely,



Emily D. Weddington, CPPB
Purchasing Specialist

Acknowledgement of Receipt of Addendum 1:

SIGNED: _____

COMPANY: _____

SIGN AND RETURN THIS FORM WITH YOUR BID*

SOLICITATION, OFFER AND BID FORM

ESCAMBIA COUNTY, FLORIDA

Submit Offers to:

Emily D. Weddington, CPPB

Invitation to Bid

Purchasing Specialist

Signal Response Maintenance

Office of Purchasing, 2nd Floor, Room 11.101

213 Palafox Place, Pensacola, FL 32502

Post Office Box 1591, Pensacola, FL 32591-1591

Solicitation Number PD 16-17.083

Phone: 850-595-4987

Solicitation

MAILING DATE: October 9, 2017

PRE-SOLICITATION CONFERENCE: A Non-Mandatory Pre-Solicitation Conference will be held in the Office of Purchasing Conference Room, 11.407, at 213 Palafox Pl. Pensacola, FL 32502, at 9:00 AM CDT, October 17, 2017.

OFFERS WILL BE RECEIVED UNTIL: 2:00 PM CDT, November 02, 2017, and may not be withdrawn within 90 days after such date and time.

POSTING OF SOLICITATION TABULATIONS

Solicitation tabulations with recommended awards will be posted for review by interested parties at the Escambia County office of Purchasing, and will remain posted for a period of two (2) business days. Failure to file a protest in writing with two (2) business days after posting of the solicitation tabulation shall constitute a waiver of any protest relating to this solicitation. All protests must be filed with the Escambia County Office of Purchasing. Protests will be handled according to the Escambia County Purchasing Ordinance.

OFFER (SHALL BE COMPLETED BY OFFEROR)

Federal Employer Identification Number or S.S. Number:

59-0879719

Terms of Payment

30 days

Delivery Date will be 30 days after receipt of purchase order

Bid Bond Attached:

\$ _____

Vendor Name: Ingram Signalization, Inc.

Address: 4522 North Davis Hwy

City, ST. & Zip: Pensacola, FL 32503

Phone: (850) 433-8266

Toll Free: (_____) _____

Fax: (850) 434-2816

William D. Wilson, Vice-President
(Name and Title of Person Authorized to Sign Offer)

* 
Signature of Person Authorized to Sign Offer
(Original Signature Required)

I certify that this offer is made without prior understanding, agreement, or connection, with any Corporation, firm or person submitting an offer for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this offer and certify that I am authorized to sign this offer for the Offeror and that the Offeror is in compliance with all requirements of the solicitation, including but not limited to certification requirements. In submitting an offer to Escambia County Florida, the Offeror agrees that if the offer is accepted, the Offeror will convey, sell, assign or transfer to Escambia County Florida all rights title and interest in and to all causes of action it may now or hereafter acquire under the Anti-trust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchase or acquired by Escambia County Florida. At the County's discretion, such assignment shall be made and become effective at the time the County tenders final payment to the Offeror.

* *Failure to execute this Form binding the bidder's offer shall result in the bid being rejected as non-responsive.*

Bid Form

Bid Schedule 1 Total: \$40,000.00

Bid Schedule 2 Total: \$901,425.00

Total Bid (Schedule 1 Plus Schedule 2): \$941,425.00



BID SCHEDULE 1 (FURNISH & INSTALL (F&I), INSTALL, REMOVE, & RELOCATE BID ITEMS):

PAY ITEM	ITEM DESCRIPTION	UNIT	EST. QTY.	BID RATE	EXT.
110-4-10	REMOVAL OF EXISTING CONCRETE PAVEMENT	SY	200	100	\$20,000.00
522-1-00	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	400	210	\$84,000.00
522-2-00	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	400	300	\$120,000.00
620-2-AB - GROUNDING ELECTROID					
620-2-11	10 FT. 5/8" GROUND ROD, FURNISH & INSTALL	EA	100	100	\$10,000.00
620-2-21	20 FT. 5/8" GROUND ROD ASSEMBLY, FURNISH & INSTALL	AS	50	200	\$10,000.00
630-2-AB - CONDUIT - 1/2" - 2"					
630-2-12	CONDUIT, SCHEDULE 40, FURNISH & INSTALL, DIRECTIONAL BORE	LF	300	13	\$3,900.00
630-2-11	CONDUIT, SCHEDULE 40, FURNISH & INSTALL, OPEN TRENCH	LF	500	6	\$3,000.00
630-2-14	CONDUIT, SCHEDULE 40, FURNISH & INSTALL, ABOVEGROUND	LF	100	9	\$900.00
630-2-15	CONDUIT, SCHEDULE 80, FURNISH & INSTALL, BRIDGE MOUNT	LF	400	10	\$4,000.00
630-2-20	CONDUIT, FURNISH & INSTALL, JACK & BORE UNDER RAILROAD	LF	300	25	\$7,500.00
630-2-65	CONDUIT, REMOVE, BRIDGE MOUNT	LF	400	1.5	\$600.00
632-7-A - IMSA SIGNAL CABLE					
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	5	3000	\$15,000.00
632-7-2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	1000	6	\$6,000.00
632-7-4	SIGNAL CABLE, ADJUST/MODIFY	PI	10	560	\$5,600.00
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	PI	5	125	\$625.00
632-7-7	SIGNAL CABLE, REMOVE- OUTSIDE OF INTERSECTION	LF	5	1	\$5.00
633-1ABC - COMMUNICATION - FIBER OPTIC CABLE					
633-1111	FIBER OPTIC CABLE, F&I, OVERHEAD,2-12 FIBERS	LF	1000	1.58	\$1,580.00
633-1112	FIBER OPTIC CABLE, F&I, OVERHEAD,13-48 FIBERS	LF	1000	2.1	\$2,100.00
633-1113	FIBER OPTIC CABLE, F&I, OVERHEAD,49-96 FIBERS	LF	1000	3.22	\$3,220.00
633-1114	FIBER OPTIC CABLE, F&I, OVERHEAD,97-144 FIBERS	LF	1000	4.3	\$4,300.00
633-1121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	1000	1.55	\$1,550.00
633-1122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	1000	2	\$2,000.00
633-1123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	1000	3.1	\$3,100.00
633-1124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97 - 144 FIBERS	LF	1000	4	\$4,000.00
633-1310	FIBER OPTIC CABLE, INSTALL, OVERHEAD	LF	1000	2	\$2,000.00
633-1320	FIBER OPTIC CABLE, INSTALL, UNDERGROUND	LF	1000	2	\$2,000.00
633-1410	FIBER OPTIC CABLE, RELOCATE, OVERHEAD	LF	1000	3	\$3,000.00
633-1420	FIBER OPTIC CABLE, RELOCATE, UNDERGROUND	LF	1000	8.5	\$8,500.00
633-1610	FIBER OPTIC CABLE, REMOVE, OVERHEAD	LF	1000	1	\$1,000.00
633-1620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	1000	1	\$1,000.00
633-2-AB - FIBER OPTIC CONNECTIONS					
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	500	50	\$25,000.00
633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	500	50	\$25,000.00
633-3-AB - FIBER OPTIC CONNECTION HARDWARE					
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	5	750	\$3,750.00
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	5	300	\$1,500.00
633-3-13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	5	235	\$1,175.00
633-3-14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA	5	220	\$1,100.00
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	5	300	\$1,500.00
633-3-16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	5	550	\$2,750.00
633-3-41	FIBER OPTIC CONNECTION HARDWARE, RELOCATE SPLICE ENCLOSURE	EA	5	200	\$1,000.00
633-4-A - COMMUNICATION CABLE - COPPER TWISTED-PAIR CABLE					
633-4-1	SIGNALS COMMUNICATION CABLE- TWISTED PAIR CABLE, FURNISH & INSTALL	LF	500	2.25	\$1,125.00
633-4-4	SIGNALS COMMUNICATION CABLE- TWISTED PAIR CABLE, RELOCATE	LF	500	1.3	\$650.00
633-4-6	SIGNALS COMMUNICATION CABLE- TWISTED PAIR CABLE, REMOVE	LF	500	1	\$500.00
634-4ABC - SPAN WIRE ASSEMBLY					
634-4142	SPAN WIRE ASSEMBLY, F&I, SINGLE POINT, DIAGONAL	PI	4	400	\$1,600.00
634-4143	SPAN WIRE ASSEMBLY, F&I, SINGLE POINT, BOX OR DROP BOX	PI	4	400	\$1,600.00
634-4152	SPAN WIRE ASSEMBLY, F&I, TWO POINT, DIAGONAL	PI	4	1200	\$4,800.00
634-4153	SPAN WIRE ASSEMBLY, F&I, TWO POINT, BOX OR DROP BOX	PI	2	3500	\$7,000.00
634-4342	SPAN WIRE ASSEMBLY, INSTALL, SINGLE POINT ATTACH, DIAGONAL	PI	2	200	\$400.00
634-4352	SPAN WIRE ASSEMBLY, INSTALL, TWO POINT ATTACH, DIAGONAL	PI	2	800	\$1,600.00
634-4400	SPAN WIRE ASSEMBLY, ADJUST	PI	2	500	\$1,000.00

PAY ITEM	ITEM DESCRIPTION	UNIT	EST. QTY.	BID RATE	EXT.
634-4600	SPAN WIRE ASSEMBLY, REMOVE- POLES REMAIN	PI	2	100	\$200.00
634-4700	SPAN WIRE ASSEMBLY, RE-TENSION CABLE - MAINTENANCE ONLY	PI	2	500	\$1,000.00
634-5-A - FIBERGLASS INSULATOR					
634-5-1	FIBERGLASS INSULATOR, FURNISH & INSTALL	LF	10	100	\$1,000.00
634-6-A - MESSENGER WIRE					
634-6-1	MESSENGER WIRE, FURNISH & INSTALL- REPLACE EXISTING	LF	10	2	\$20.00
635-2-AB - PULL BOX OR JUNCTION BOX					
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	10	800	\$8,000.00
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	10	1500	\$15,000.00
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	10	2500	\$25,000.00
635-2-30	PULL & SPLICE BOX, INSTALL	EA	5	600	\$3,000.00
635-2-30	PULL & SPLICE BOX, REMOVE	EA	5	100	\$500.00
635-2-40	PULL & SPLICE BOX, RELOCATE	EA	5	500	\$2,500.00
635-2-50	PULL & SPLICE BOX, REPAIR	EA	5	250	\$1,250.00
635-3-11	JUNCTION BOX, FURNISH & INSTALL, AERIAL	EA	10	80	\$800.00
635-3-12	JUNCTION BOX, FURNISH & INSTALL, MOUNTED	EA	10	50	\$500.00
635-3-40	JUNCTION BOX, RELOCATE	EA	5	50	\$250.00
639-1ABC - ELECTRICAL POWER SERVICE					
639-1112	ELECTRICAL POWER SERVICE, OVERHEAD, METER FURNISHED BY POWER COMPANY - FURNISH & INSTALL	AS	1	1100	\$1,100.00
639-1113	ELECTRICAL POWER SERVICE, OVERHEAD METER NOT REQUIRED- FURNISHED & INSTALL	AS	1	1100	\$1,100.00
639-1121	ELECTRICAL POWER SERVICE, UNDERGROUND, METER FURNISHED BY POWER COMPANY- FURNISH & INSTALL	AS	1	1100	\$1,100.00
639-1122	ELECTRICAL POWER SERVICE, UNDERGROUND, METER FURNISHED BY CONTRACTOR- FURNISH & INSTALL	AS	1	1100	\$1,100.00
639-1123	ELECTRICAL POWER SERVICE, UNDERGROUND, METER NOT REQUIRED - FURNISHED & INSTALL	AS	1	1100	\$1,100.00
639-1410	ELECTRICAL POWER SERVICE, RELOCATE OVERHEAD	AS	1	200	\$200.00
639-1420	ELECTRICAL POWER SERVICE, RELOCATE, UNDERGROUND	AS	1	1200	\$1,200.00
639-1610	ELECTRICAL POWER SERVICE, REMOVE OVERHEAD	AS	1	150	\$150.00
639-1620	ELECTRICAL POWER SERVICE, REMOVE UNDERGROUND	AS	1	150	\$150.00
639-2-A - ELECTRICAL SERVICE WIRE					
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	500	2	\$1,000.00
639-2-4	ELECTRICAL SERVICE WIRE, RELOCATE	LF	500	1.25	\$625.00
639-2-6	ELECTRICAL SERVICE WIRE, REMOVE	LF	500	1	\$500.00
639-3-AB - ELECTRICAL SERVICE DISCONNECT					
639-3-12	ELECTRICAL SERVICE DISCONNECT, F&I, CABINET	EA	5	100	\$500.00
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	5	155	\$775.00
639-3-60	ELECTRICAL SERVICE DISCONNECT, REMOVE- POLE OR CABINET TO REMAIN	EA	5	30	\$150.00
641-2-AB - PRE-STRESSED CONCRETE POLE					
641-2-11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA	4	2000	\$8,000.00
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	4	1000	\$4,000.00
641-2-14	PRESTRESSED CONCRETE POLE, F&I, TYPE P-IV:				\$0.00
	20' - 26'	EA	1	1011	\$1,011.00
	28' - 34'	EA	1	1131	\$1,131.00
	36' - 42'	EA	1	1500	\$1,500.00
	42' - 50'	EA	1	1600	\$1,600.00
641-2-15	PRESTRESSED CONCRETE POLE, F&I, TYPE P-V:				\$0.00
	20' - 26'	EA	1	1526	\$1,526.00
	28' - 34'	EA	1	1835	\$1,835.00
	36' - 42'	EA	1	4000	\$4,000.00
	42' - 50'	EA	1	5195	\$5,195.00
641-2-16	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VI:				\$0.00
	20' - 26'	EA	1	1670	\$1,670.00
	28' - 34'	EA	1	2020	\$2,020.00
	36' - 42'	EA	1	4200	\$4,200.00
	42' - 50'	EA	1	5965	\$5,965.00
641-2-17	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VII:				\$0.00
	20' - 26'	EA	1	1970	\$1,970.00
	28' - 34'	EA	1	2500	\$2,500.00
	36' - 42'	EA	1	5000	\$5,000.00

PAY ITEM	ITEM DESCRIPTION	UNIT	EST. QTY.	BID RATE	EXT.
	42' - 50'	EA	1	6640	\$6,640.00
641-2-18	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VIII:				\$0.00
	20' - 26'	EA	1	2000	\$2,000.00
	28' - 34'	EA	1	2665	\$2,665.00
	36' - 42'	EA	1	5200	\$5,200.00
	42' - 50'	EA	1	6900	\$6,900.00
641-2-30	PRESTRESSED CONCRETE POLE, INSTALL	EA			\$0.00
641-2-60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL, PEDESTAL/SERVICE POLE	EA	1	155	\$155.00
641-2-70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	1	1200	\$1,200.00
641-2-80	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- POLE 30' AND GREATER	EA	1	2000	\$2,000.00
643-6AB - WOOD POLE					
643-600	STRAIN POLE, WOOD, REMOVE	EA	1	400	\$400.00
643-601	STRAIN POLE, WOOD, F&I 35'-CLASS 5	EA	1	1000	\$1,000.00
643-602	STRAIN POLE, WOOD, F&I 16'X6" (TOP)-.60 CCA SYP POLE (TREATED)	EA	1	700	\$700.00
646-1-AB - PEDESTAL AND PEDESTRIAN POST					
646-1-11	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTAL	EA	5	2000	\$10,000.00
646-1-12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA	5	300	\$1,500.00
646-1-30	ALUMINUM SIGNALS POLE, INSTALL	EA	5	1700	\$8,500.00
646-1-40	ALUMINUM SIGNALS POLE, RELOCATE	EA	5	200	\$1,000.00
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	EA	5	150	\$750.00
650-1-AB - TRAFFIC SIGNAL ASSEMBLY					
650-1-11	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 12" 1 SECTION, 1 WAY	AS	5	660	\$3,300.00
650-1-12	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 12" 1 SECTION, 2-4 WAY	AS	5	1000	\$5,000.00
650-1-14	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 12" 3 SECTION, 1 WAY	AS	5	7000	\$35,000.00
650-1-16	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 12" 4 SECTION, 1 WAY	AS	5	800	\$4,000.00
650-1-18	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 12" 5 SECTION STRAIGHT, 1 WAY	AS	5	1000	\$5,000.00
650-1-19	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 12" 5 SECTION CLUSTER, 1 WAY	AS	5	1200	\$6,000.00
650-1-24	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE W/ALUM TOP, 12" 3 SECTION, 1 WAY	AS	5	700	\$3,500.00
650-1-25	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE WITH ALUMINUM TOP SECTION, 12" 3 SECTION, 2-4 WAYS	AS	5	1000	\$5,000.00
650-1-26	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE W/ALUM TOP, 12" 4 SECTION, 1 WAY	AS	5	1000	\$5,000.00
650-1-29	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE W ALUMIN, 12" 5 SECTION CLUSTER, 1 WAY	AS	5	1200	\$6,000.00
650-1-34	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 12" 3 SECTION, 1 WAY	AS	1	865	\$865.00
650-1-36	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 12" 4 SECTION, 1 WAY	AS	1	1100	\$1,100.00
650-1-38	TRAFFIC SIGNAL, FURNISH & INSTALL, POLYCARBONATE, 12" 5 SECTION STRAIGHT, 1 WAY	AS	1	1200	\$1,200.00
650-1-39	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 12" 5 SECTION CLUSTER, 1 WAY	AS	1	1200	\$1,200.00
650-1-50	TRAFFIC SIGNAL, INSTALL	AS	1	250	\$250.00
650-1-60	TRAFFIC SIGNAL, REMOVE- POLES TO REMAIN	AS	5	50	\$250.00
650-2ABC - VEHICULAR SIGNAL AUXILIARIES (WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
650-2102	VEHICULAR SIGNAL AUXILIARIES, FURNISH & INSTALL, BACKPLATE- BLACK WITH RETRO-REFLECTIVE BORDER	EA	100	190	\$19,000.00
650-2105	VEHICULAR SIGNAL AUXILIARIES, FURNISH & INSTALL, TUNNEL VISOR	EA	100	50	\$5,000.00
650-2106	VEHICULAR SIGNAL AUXILIARIES, FURNISH & INSTALL, 12" LED STANDARD MODULE	EA	50	300	\$15,000.00
650-2108	VEHICULAR SIGNAL AUXILIARIES, FURNISH & INSTALL, ADD SECTION TO EXISTING SIGNAL ASSEMBLY	EA	100	100	\$10,000.00
653-1-AB - PEDESTRIAN SIGNAL					
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	10	1000	\$10,000.00
653-1-12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	5	1500	\$7,500.00
653-1-40	PEDESTRIAN SIGNAL, RELOCATE	AS	5	400	\$2,000.00
653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	10	85	\$850.00

PAY ITEM	ITEM DESCRIPTION	UNIT	EST. QTY.	BID RATE	EXT.
654-1-AB - IN ROADWAY LIGHT ASSEMBLY -(WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
654-1-10	IN ROADWAY LIGHT ASSEMBLY, FURNISH & INSTALL- AC POWERED, COMPLETE ASSEMBLY	AS	1	31000	\$31,000.00
654-1-20	IN ROADWAY LIGHT ASSEMBLY, FURNISH & INSTALL- SOLAR POWERED, COMPLETE ASSEMBLY	AS	1	31000	\$31,000.00
654-1-21	IN-ROADWAY LIGHT FIXTURE, FURNISH & INSTALL- SOLAR POWERED	EA	1	1850	\$1,850.00
654-1-22	IN-ROADWAY LIGHT CABINET, FURNISH & INSTALL- SOLAR POWERED	EA	1	3500	\$3,500.00
654-2-AB - RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (RRFB)					
654-2-11	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- AC POWERED, COMPLETE ASSEMBLY- SINGLE DIRECTION	AS	1	7200	\$7,200.00
654-2-12	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- AC POWERED, COMPLETE ASSEMBLY- BACK TO BACK	AS	1	8925	\$8,925.00
654-2-14	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- AC POWERED, SIGNS AND RRFB UNIT	EA	1	9200	\$9,200.00
654-2-21	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE ASSEMBLY- SINGLE DIRECTION	AS	1	7200	\$7,200.00
654-2-22	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE ASSEMBLY- BACK TO BACK	AS	1	8925	\$8,925.00
654-2-30	RECTANGULAR RAPID FLASHING BEACON, INSTALL	AS	1	2500	\$2,500.00
654-2-40	RECTANGULAR RAPID FLASHING BEACON, RELOCATE	AS	1	2500	\$2,500.00
654-2-50	RECTANGULAR RAPID FLASHING BEACON, ADJUST/MODIFY	AS	1	500	\$500.00
654-2-60	RECTANGULAR RAPID FLASHING BEACON, REMOVE	AS	1	200	\$200.00
654-2-73	RECTANGULAR RAPID FLASHING BEACON, REPLACE BATTERY-55 AMP.	EA	1	500	\$500.00
660 -1ABC - LOOP DETECTORS - (WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
660-1101	LOOP DETECTOR, INDUCTIVE, 4 CHANNEL, SOLID STATE, SHELF MOUNT-FURNISH & INSTALL	EA	10	300	\$3,000.00
660-1102	LOOP DETECTOR, INDUCTIVE, 1 CHANNEL, RELAY OUTPUT, SHELF MOUNT-FURNISH & INSTALL	EA	10	300	\$3,000.00
660-1103	LOOP DETECTOR, INDUCTIVE, 2 CHANNEL, SOLID STATE, SHELF MOUNT-FURNISH & INSTALL	EA	10	300	\$3,000.00
660-1104	LOOP DETECTOR, INDUCTIVE, 2 CHANNEL, SOLID STATE, SHELF MOUNT, TIME DELAY-FURNISH & INSTALL	EA	10	300	\$3,000.00
660-1106	LOOP DETECTOR, 2 CHANNEL, SOLID STATE, RACK MOUNT - FURNISH & INSTALL	EA	10	300	\$3,000.00
660-1107	LOOP DETECTOR, INDUCTIVE, 1 CHANNEL, SOLID STATE, SHELF MOUNT, TIME DELAY-FURNISH & INSTALL	EA	10	325	\$3,250.00
660-1109	LOOP DETECTOR, 2 CHANNEL, SOLID STATE, RACK MOUNT, TIME DELAY - FURNISH & INSTALL	EA	10	350	\$3,500.00
660-1110	LOOP DETECTOR, 4 CHANNEL, SOLID STATE, RACK MOUNT - FURNISH & INSTALL	EA	10	300	\$3,000.00
660-1111	LOOP DETECTOR, INDUCTIVE, 4 CHANNEL, SOLID STATE, SHELF MOUNT, TIME DELAY-FURNISH & INSTALL	EA	10	350	\$3,500.00
660-1112	LOOP DETECTOR, 4 CHANNEL, SOLID STATE, RACK MOUNT, TIME DELAY - FURNISH & INSTALL	EA	10	400	\$4,000.00
660-1300	LOOP DETECTOR INDUCTIVE, INSTALL	EA	10	155	\$1,550.00
660-1400	LOOP DETECTOR, INDUCTIVE, 1 CHANNEL, RELAY OUTPUT, SHELF MOUNT, TIME DELAY-FURNISH & INSTALL	EA	10	300	\$3,000.00
660-1600	LOOP DETECTOR, INDUCTIVE, 1 CHANNEL, SOLID STATE, SHELF MOUNT-FURNISH & INSTALL	EA	10	325	\$3,250.00
660-2ABC - LOOP ASSEMBLY - (WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
660-2101	LOOP ASSEMBLY - TYPE A (6'X50')- FURNISH & INSTALL	AS	1	2000	\$2,000.00
660-2102	LOOP ASSEMBLY- TYPE B (6'X6')- FURNISH & INSTALL	AS	1	1800	\$1,800.00
660-2106	LOOP ASSEMBLY - TYPE F (6'X50')- FURNISH & INSTALL	AS	1	2500	\$2,500.00
660-4-AB - VEHICLE DETECTION SYSTEM-VIDEO					
660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	1	15500	\$15,500.00
660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	1	6000	\$6,000.00
660-4-30	VEHICLE DETECTION SYSTEM- VIDEO, INSTALL	EA	1	7000	\$7,000.00
660-4-41	VEHICLE DETECTION SYSTEM- VIDEO, RELOCATE CABINET EQUIPMENT	EA	1	1125	\$1,125.00
660-4-42	VEHICLE DETECTION SYSTEM- VIDEO, RELOCATE ABOVE GROUND EQUIPMENT	EA	1	840	\$840.00
660-4-51	VEHICLE DETECTION SYSTEM- VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA	1	1200	\$1,200.00

PAY ITEM	ITEM DESCRIPTION	UNIT	EST. QTY.	BID RATE	EXT.
660-4-52	VEHICLE DETECTION SYSTEM- VIDEO, ADJUST/MODIFY ABOVE GROUND EQUIPMENT	EA	1	1500	\$1,500.00
660-4-60	VEHICLE DETECTION SYSTEM- VIDEO, REMOVE	EA	1	150	\$150.00
660-4-80	VEHICLE DETECTION SYSTEM- VIDEO, PREVENTIVE MAINTENANCE	EA	1	300	\$300.00
665-1-AB - PEDESTRIAN DETECTOR					
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	10	155	\$1,550.00
665-1-12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	EA	10	1645	\$16,450.00
665-1-30	PEDESTRIAN DETECTOR, INSTALL	EA	5	100	\$500.00
665-1-40	PEDESTRIAN DETECTOR, RELOCATE	EA	5	125	\$625.00
665-1-50	PEDESTRIAN DETECTOR, ADJUST/MODIFY ON EXISTING POLE	EA	5	155	\$775.00
665-1-60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	5	42	\$210.00
670-5ABC - TRAFFIC SIGNAL CONTROLLER ASSEMBLY					
670-5110	TRAFFIC CONTROLLER ASSEMBLY, NEMA - FURNISH & INSTALL	AS	1	22000	\$22,000.00
670-5111	TRAFFIC CONTROLLER ASSEMBLY, NEMA, 1 PREEMPTION - FURNISH & INSTALL	AS	1	23000	\$23,000.00
670-5112	TRAFFIC CONTROLLER ASSEMBLY, NEMA, 2 PREEMPTION - FURNISH & INSTALL	AS	1	25000	\$25,000.00
670-5150	TRAFFIC CONTROLLER ASSEMBLY, ATC, NO PREEMPTION - FURNISH & INSTALL	AS	1	25000	\$25,000.00
670-5151	TRAFFIC CONTROLLER ASSEMBLY, ATC, 1 PREEMPTION - FURNISH & INSTALL	AS	1	25500	\$25,500.00
670-5152	TRAFFIC CONTROLLER ASSEMBLY, ATC, 2 PREEMPTION - FURNISH & INSTALL	AS	1	26000	\$26,000.00
670-5300	TRAFFIC CONTROLLER ASSEMBLY, INSTALL	AS	1	1500	\$1,500.00
670-5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1	600	\$600.00
670-5500	TRAFFIC CONTROLLER ASSEMBLY, RELOCATE CONTROLLER WITH CABINET	AS	1	2500	\$2,500.00
670-5600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	1	450	\$450.00
671-2-AB - TRAFFIC SIGNAL CONTROLLER					
671-2-11	TRAFFIC CONTROLLER WITHOUT CABINET, NEMA, FURNISH & INSTALL IN EXISTING CABINET	EA	1	5500	\$5,500.00
671-2-13	TRAFFIC CONTROLLER WITHOUT CABINET, ATC, FURNISH & INSTALL IN EXISTING CABINET	EA	1	5500	\$5,500.00
671-2-30	TRAFFIC CONTROLLER, INSTALL	EA	1	1500	\$1,500.00
671-2-40	TRAFFIC CONTROLLER, MODIFY	EA	1	500	\$500.00
671-2-50	TRAFFIC CONTROLLER, RELOCATE- WITHOUT CABINET	EA	1	1200	\$1,200.00
671-2-60	TRAFFIC CONTROLLER, REMOVE- CABINET TO REMAIN	EA	1	150	\$150.00
684-1-A - MANAGED FIELD ETHERNET SWITCH (WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	5	3100	\$15,500.00
684-1-3	MANAGED FIELD ETHERNET SWITCH, INSTALL	EA	5	300	\$1,500.00
684-1-4	MANAGED FIELD ETHERNET SWITCH, RELOCATE	EA	5	400	\$2,000.00
684-1-5	MANAGED FIELD ETHERNET SWITCH, ADJUST / MODIFY	EA	5	500	\$2,500.00
684-1-6	MANAGED FIELD ETHERNET SWITCH, REMOVE- CABINET TO REMAIN	EA	5	100	\$500.00
684-6-AB - WIRELESS COMMUNICATION DEVICE					
684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL, ETHERNET ACCESS POINT	EA	1	5000	\$5,000.00
684-6-12	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL, ETHERNET SUBSCRIBER UNIT	EA	1	4000	\$4,000.00
684-6-13	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL SERIAL DATA UNIT	EA	1	1500	\$1,500.00
684-6-30	WIRELESS COMMUNICATION DEVICE, INSTALL	EA	1	1200	\$1,200.00
684-6-40	WIRELESS COMMUNICATION DEVICE, RELOCATE	EA	1	1300	\$1,300.00
684-6-60	WIRELESS COMMUNICATION DEVICE, REMOVE	EA	1	100	\$100.00
685-1-AB - UNINTERRUPTIBLE POWER SUPPLY					
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA	1	7500	\$7,500.00
685-1-14	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, ONLINE/DOUBLE CONVERSION WITH CABINET	EA	1	9000	\$9,000.00
685-1-60	UNINTERRUPTIBLE POWER SUPPLY, REMOVE- POLE/CABINET REMAINS	EA	1	500	\$500.00
700-11-ABC - ELECTRONIC DISPLAY SIGN - (WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
700-11-161	ELECTRONIC DISPLAY SIGN, GRD/MT. AC POWERED, W/S.F.B. & BEACONS, FURNISH & INSTALL	AS	4	9500	\$38,000.00

PAY ITEM	ITEM DESCRIPTION	UNIT	EST. QTY.	BID RATE	EXT.
700-11-261	ELECTRONIC DISPLAY SIGN, GRD/MT. SOLAR POWERED, W/S.F.B.& BEACONS, FURNISH & INSTALL	AS	4	10500	\$42,000.00
700-12-AB - SIGN BEACON - (WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
700-12-11	SIGN BEACON, AC POWER, 1 BEACON) - FURNISH & INSTALL	AS	2	3500	\$7,000.00
700-12-12	SIGN BEACON, AC POWER, 2 BEACONS) - FURNISH & INSTALL	AS	2	4000	\$8,000.00
700-12-21	SIGN BEACON, SOLAR POWER, 1 BEACON - FURNISH & INSTALL	AS	2	6000	\$12,000.00
700-12-22	SIGN BEACON, SOLAR POWER, 2 BEACONS, FURNISH & INSTALL	AS	2	6500	\$13,000.00
BID SCHEDULE 1 TOTAL:					\$40,000.00

NOTE: SEE SCOPE OF SERVICES FOR INSTRUCTIONS TO BIDDERS AND PAY ITEMS NOTES

BID SCHEDULE 2 (LABOR AND MATERIAL BID ITEMS):					
1	TECHNICIAN - IMSA LEVEL II (MON-FRI, 8:00 AM-4:30 PM)	HR	1255	65	\$81,575.00
2	TECHNICIAN - IMSA LEVEL III (MON-FRI, 8:00 AM-4:30 PM)	HR	80	75	\$6,000.00
3	TECHNICIAN - IMSA LEVEL II (MON-FRI, 4:31 PM-7:49AM, SAT, SUN AND HOLIDAYS)	HR	730	90	\$65,700.00
4	TECHNICIAN - IMSA LEVEL III (MON-FRI, 4:31 PM-7:49AM, SAT, SUN AND HOLIDAYS)	HR	40	100	\$4,000.00
5	TECHNICIAN ASSISTANT (MON-FRI, 8:00 AM-4:30 PM)	HR	1255	43	\$53,965.00
6	TECHNICIAN ASSISTANT (MON-FRI, 4:31 PM-7:49AM, SAT, SUN AND HOLIDAYS)	HR	40	63	\$2,520.00
7	AERIAL BUCKET TRUCK (STANDARD)	HR	1200	25	\$30,000.00
8	AERIAL BUCKET TRUCK (LARGE)	HR	55	35	\$1,925.00
9	SERVICE TRUCK	HR	730	25	\$18,250.00
10	MAINTENANCE OF TRAFFIC (MESSAGE BOARD RENTAL)	DAY	10	15	\$150.00
11	UTILITY COORDINATION (SUNSHINE SPOTS)	PI	10	200	\$2,000.00
12	TIMING IMPLEMENTATION	PI	5	500	\$2,500.00
13	TIMING ADJUSTMENT, SYSTEMS (COORDINATED)	PI	5	500	\$2,500.00
14	TIMING ADJUSTMENT, INTERSECTIONS (NON-COORDINATED)	PI	5	500	\$2,500.00
15	BENCH TESTING (CONFLICT MONITOR)	EA	200	200	\$40,000.00
16	TEMPORARY CONTROLLER/MONITOR RENTAL/DAY	DAY	25	25	\$625.00
17	TEMPORARY TRAFFIC SIGNAL OPERATION, GENERATOR RENTAL/HR	HR	5	21	\$105.00
18	TEMPORARY TRAFFIC SIGNAL CABINET, DURING KNOCK-DOWN RENTAL/DAY	DAY	5	11	\$55.00
GROUNDING ELECTRODE					
19	10 FT. 5/8" GROUND ROD	EA	100	25	\$2,500.00
20	20 FT. 5/8" GROUND ROD	EA	50	57	\$2,850.00
MISCELLANEOUS CONDUIT:					
21	1/2" 10 FT. SECTION	EA	100	4	\$400.00
22	1" 10 FT. SECTION	EA	100	5	\$500.00
23	CONDUIT, 2" 10 FT. (ABOVE GROUND)	EA	200	16	\$3,200.00
24	CONDUIT, 2" 10 FT. (UNDERGROUND)	EA	500	10	\$5,000.00
25	CONDUIT, 2" 10 FT. (UNDER PAVEMENT/JACKED)	EA	500	30	\$15,000.00
26	CONDUIT, 1" CLAMP	EA	100	0.55	\$55.00
27	CONDUIT, 2" CLAMP	EA	100	1	\$100.00
28	COUPLING, 1/2"	EA	50	0.15	\$7.50
29	COUPLING, 1"/EA	EA	50	0.27	\$13.50
30	COUPLING, 2"/EA	EA	200	1	\$200.00
31	90-DEGREE ELBOW, 1/2"	EA	100	1	\$100.00
32	90-DEGREE ELBOW, 1"	EA	100	1	\$100.00
33	90-DEGREE ELBOW, 2"	EA	100	1.5	\$150.00
MISCELLANEOUS SIGNAL CABLE:					
34	20- CONDUCTOR	LF	250	3	\$750.00
35	16-CONDUCTOR	LF	250	2.5	\$625.00
36	12-CONDUCTOR	LF	250	2	\$500.00
37	9-CONDUCTOR	LF	250	1.5	\$375.00
38	7-CONDUCTOR	LF	1000	1.25	\$1,250.00
39	2-CONDUCTOR/BELDEN "HOME RUN"	LF	1000	0.55	\$550.00
MISCELLANEOUS COMMUNICATION:					
40	INTERCONNECT CABLE/FSK WIRE (OVERHEAD) - 6-22-AL-F8	LF	1000	2	\$2,000.00
41	INTERCONNECT CABLE/ FSK WIRE (UNDERGROUND)- 6-22-AL-F8	LF	1000	2	\$2,000.00
42	BURIED CABLE WARNING MARKER (PER DETAIL)	EA	100	175	\$17,500.00

PAY ITEM	ITEM DESCRIPTION	UNIT	EST. QTY.	BID RATE	EXT.
43	ITS EXPRESS ITS 8020 FIBER SWITCH	EA	50	1000	\$50,000.00
44	ITS EXPRESS ITS 80 SERIES POWER SUPPLY	EA	50	150	\$7,500.00
MISCELLANEOUS SPAN WIRE ASSEMBLY:					
45	ADJUSTABLE HANGER	EA	25	55	\$1,375.00
46	DISCONNECT HANGER	EA	25	200	\$5,000.00
47	EXTENSION HANGER	EA	25	40	\$1,000.00
48	SPAN WIRE HANGER (2079-S) WITH SS BUSHING (SINGLE CABLE SUPPORT)	EA	25	45	\$1,125.00
49	SPAN WIRE CLAMP	EA	25	45	\$1,125.00
50	SIGN BRACKET/SPAN WIRE TYPE (1-WAY)	EA	5	200	\$1,000.00
51	SIGN BRACKET/SPAN WIRE TYPE (2-WAY)	EA	5	250	\$1,250.00
52	EYE BOLT	EA	25	12	\$300.00
53	ALL THREAD/5/8"	LF	25	2	\$50.00
54	GUY ANCHOR, 6"	EA	5	150	\$750.00
55	GUY WIRE/1/4"	LF	100	1	\$100.00
56	GUY WIRE/3/8"	LF	500	1.15	\$575.00
57	SPAN WIRE SPLICE/1/4"	EA	25	40	\$1,000.00
58	SPAN WIRE SPLICE/3/8"	EA	25	60	\$1,500.00
58	GUY WIRE VISE/1/4"	EA	25	13	\$325.00
60	GUY WIRE VISE/3/8"	EA	25	40	\$1,000.00
MISCELLANEOUS PULL BOX OR JUNCTION BOX					
61	AERIAL JUNCTION BOX	EA	5	233	\$1,165.00
62	MOUNTED JUNCTION BOX	EA	20	75	\$1,500.00
MISCELLANEOUS VEHICULAR SIGNAL AUXILIARIES					
63	12" RED LED MODULE	EA	25	60	\$1,500.00
64	12" YELLOW LED MODULE	EA	25	60	\$1,500.00
65	12" GREEN LED MODULE	EA	100	60	\$6,000.00
66	12" RED ARROW LED MODULE	EA	15	60	\$900.00
67	12" YELLOW ARROW LED MODULE	EA	15	60	\$900.00
68	12" GREEN ARROW LED MODULE	EA	15	60	\$900.00
69	12" YELLOW LED (12 VOLT)	EA	15	150	\$2,250.00
70	3M OPTICAL SIGNAL LAMP	EA	15	125	\$1,875.00
71	12" GEOMETRICALLY PROGRAMMED LOUVER	EA	10	265	\$2,650.00
72	ASTRO BRACKET 110" SS CABLE	EA	10	255	\$2,550.00
MISCELLANEOUS PEDESTRIAN SIGNAL:					
73	PEDESTRIAN SIGNAL (LED COUNTDOWN MODULE)	EA	25	225	\$5,625.00
74	PEDESTRIAN SIGNAL HOUSING (PED CAN)	EA	10	155	\$1,550.00
75	4" SPUN ALUMINUM PEDESTAL (PEDESTRIAN SIGNAL, FLASHING BEACON)/EA	EA	25	500	\$12,500.00
76	SLIP-FITTER 4 1/2" /EA	EA	25	75	\$1,875.00
77	2 WAY SIGNAL BRACKET KIT	EA	10	150	\$1,500.00
MISCELLANEOUS INDUCTIVE LOOP:					
78	SURGE ARRESTOR (INDUCTANCE LOOP AMPLIFIER)	EA	10	15	\$150.00
79	HOME RUN CABLE (REPLACEMENT)	LF	500	2	\$1,000.00
MISCELLANEOUS VEHICLE DETECTION SYSTEM-VIDEO:					
80	ALDIS, 360 DEGREE 10" DIAMETER X 9" FISHEYE CAMERA	EA	1	10500	\$10,500.00
81	ALDIS, GRIDSMART CONTROL UNIT FOR TS1 AND TS2 TRAFFIC CONTROL CABINETS	EA	1	10500	\$10,500.00
82	12 FT. CAMERA EXTENSION ASSEMBLY	EA	5	300	\$1,500.00
83	ITERIS RZ-4 ADVANCED WIDE DYNAMIC RANGE CAMERA	EA	2	5200	\$10,400.00
84	ITERIS VANTAGE EDGE 2 VIDEO PROCESSOR CARD (SINGLE)	EA	2	5500	\$11,000.00
85	ITERIS VANTAGE EDGE 2 VIDEO PROCESSOR CARD (DUAL)	EA	2	6800	\$13,600.00
86	ITERIS VANTAGE EDGECONNECT VIDEO INTERFACE CARD	EA	2	3500	\$7,000.00
87	16"-19" LCD MONITOR FOR VIDEO DETECTION SYSTEM	EA	5	1500	\$7,500.00
88	VIDEO SURGE ARRESTOR CAT5	EA	5	400	\$2,000.00
89	VIDEO SURGE ARRESTOR BNC	EA	5	100	\$500.00
90	VIDEO CABLE CAT 5	LF	500	1	\$500.00
91	VIDEO CABLE COMPOSITE	LF	500	1	\$500.00
MISCELLANEOUS PEDESTRIAN DETECTION SYSTEM:					
92	DETECTOR SIGN (PEDESTRIAN)	EA	50	45	\$2,250.00
93	PUSH BUTTON (PEDESTRIAN DETECTOR STANDARD)	EA	50	85	\$4,250.00
94	PUSH BUTTON (PEDESTRIAN DETECTOR ACCESSIBLE "AUDIBLE")	EA	10	1800	\$18,000.00
95	PB-5100 8' ALUMINUM POLE	EA	10	500	\$5,000.00
MISCELLANEOUS TRAFFIC SIGNAL CONTROLLER:					

PAY ITEM	ITEM DESCRIPTION	UNIT	EST. QTY.	BID RATE	EXT.
96	CONFLICT MONITOR/FUSE/1/2 AMP (SLO BLO)	EA	5	1	\$5.00
97	CONFLICT MONITOR/FUSE/2 AMP	EA	5	1	\$5.00
98	CONTROLLER FUSE/3/4 AMP/24 VDC	EA	1	1	\$1.00
99	CONTROLLER FUSE/1 1/2 AMP (SLO BLO)	EA	1	1	\$1.00
100	PEEK/3000E/NEMA/TS-1/8 PHASE	EA	1	5000	\$5,000.00
CONTROLLER TYPE (INTERCONNECT FSK WIRE, CLOSED LOOP):					
101	PEEK ATC-1000 CONTROLLER	EA	5	5500	\$27,500.00
102	MCCAIN ATC EX CONTROLLER, TS2 TYPE 1	EA	5	5500	\$27,500.00
103	MCCAIN ATC EX NEMA CONTROLLER, TS2 TYPE 2	EA	5	5500	\$27,500.00
MISCELLANEOUS MANAGED FIELD ETHERNET SWITCH:					
104	ITS EXPRESS ITS 8040 12 PORT/LAYER2 HARDENED ETHERNET SWITCH	EA	5	1600	\$8,000.00
105	ITS EXPRESS ITS VC-1000 TWISTED-PAIR CONVERTER(FSK)/EA	EA	5	725	\$3,625.00
106	SIEMENS RUGGED VDSL, RS930L, 6 PORT ETHERNET SWITCH	EA	5	2260	\$11,300.00
MISCELLANEOUS WIRELESS COMMUNICATION DEVICE:					
107	ENCOM WIRELESS, COMMPAK IP SERIAL/ETHERNET BRIDGE	EA	1	1500	\$1,500.00
108	ENCOM WIRELESS E-LITE 300MBPS UNIT, (COMPLETE)	EA	1	3200	\$3,200.00
MISCELLANEOUS UNINTERRUPTIBLE POWER SUPPLY:					
109	MYERS POWER PRODUCT UPS, MP2000, 1500W INVERTER	EA	1	3500	\$3,500.00
110	TCS UPS PIGGY-BACK CABINET	EA	1	7000	\$7,000.00
111	TCS GENERATOR TRANSFER SWITCH/EA	EA	1	1000	\$1,000.00
MISCELLANEOUS E.D.S. / SIGN BEACON ITEMS:					
112	PB-5100 12' ALUMINUM POLE	EA	5	200	\$1,000.00
113	PB-5100 15' ALUMINUM POLE	EA	5	225	\$1,125.00
114	PB-5100 18' ALUMINUM POLE	EA	5	300	\$1,500.00
115	PB-5306 ANCHOR BOLTS	EA	100	15	\$1,500.00
116	PB-5335 SQUARE ALUMINUM BASE WITH ALUMINUM DOOR	EA	25	400	\$10,000.00
117	PB-5325 COLLAR ASSEMBLY FOR SQUARE BASE	EA	25	200	\$5,000.00
118	SE-1100 4.5' OD POST MOUNTING KIT/EA	EA	25	50	\$1,250.00
119	SE-1002 FLASHER CABINET ASSEMBLY WITH POLICE TYPE ONE LOCK	EA	5	800	\$4,000.00
120	SE-0513 TRI-STUD ADAPTERS	EA	25	50	\$1,250.00
121	SH-0206 U-BOLT SIGN ASSEMBLY KIT	EA	25	30	\$750.00
122	CARMANAH R247 SERIES 24-HOUR FLASHING WARNING BEACON	AS	1	3700	\$3,700.00
123	CARMANAH R820 SERIES CROSSWALK BEACON	AS	1	4600	\$4,600.00
124	CARMANAH R829 SERIES/SCH ZONE BCN/W/CALENDAR-BASED SOFTWARE	AS	1	7500	\$7,500.00
125	NAZTEC SERIES 100/365 DAY PROGRAMMABLE	EA	1	400	\$400.00
126	RTC AP21/365 DAY PROGRAMMABLE	EA	10	1600	\$16,000.00
127	ELTEC/NTC-17E/365 DAY PROGRAMMABLE	EA	1	500	\$500.00
128	AP22/TIME SWITCH	EA	1	800	\$800.00
129	CPR2102G/PAGER PROGRAMMABLE TIME SWITCH	EA	1	1400	\$1,400.00
130	RTC, AP22/365 DAY PROGRAMMABLE	EA	1	1600	\$1,600.00
131	RU2 FAST SYSTEMS, RU2 FAST 18" DISPLAY SIGN, SOLAR	EA	1	10000	\$10,000.00
132	RU2 FAST SYSTEMS, RU2 FAST 18" DISPLAY SIGN, 120V	EA	1	10000	\$10,000.00
133	IDC 1520 SPEED CHECK 15" SERIES, DATA COLLECTION, SCHEDULER AND SLOW DOWN OPTIONS, SOLAR DISPLAY BOARD	EA	1	10000	\$10,000.00
134	IDC 1820 SPEED CHECK 18" SERIES, DATA COLLECTION, SCHEDULER AND SLOW DOWN OPTIONS, SOLAR DISPLAY BOARD	EA	1	10000	\$10,000.00
135	IDC LED PANEL 15" DIGITS W/SLOW DOWN	EA	1	800	\$800.00
136	IDC POLYCARBONATE WINDOW 15" DIGIT W/SLOW DOWN	EA	1	200	\$200.00
137	IDC 15" (30" X 42") DIAMOND GRADE FLORESCENT YELLOW/GREEN	EA	1	500	\$500.00
138	HR LLC APPROACH-ONLY RADAR UNIT	EA	1	1225	\$1,225.00
139	ASC SOLAR CHARGE CONTROLLER (8 AMP)	EA	1	300	\$300.00
140	IDC DEVISE/MANAGER, CONTROLLER BOARD, PROGRAMMABLE WIRELESS	EA	1	700	\$700.00
141	MORNINGSTAR/SUNSAVER SOLAR CHARGE CONTROLLER (10 AMP)	EA	1	700	\$700.00
142	55 WATT, SOLAR POWER PANEL KIT COMPLETE FOR SPEED CHECK DISPLAYS	EA	1	1650	\$1,650.00
143	SOLAR PANEL RACKING	EA	1	230	\$230.00
144	SOLAR POLE-MOUNTED BATTERY BOX	EA	1	525	\$525.00
EMERGENCY GENERATOR POWER HOOK-UP:					
145	(INC PRE-ASSEMBLED HARNESS/GASKET/CLAMP/SPLICE/PER FDOT D-3 SPEC)	AS	1	500	\$500.00
MISCELLANEOUS SIGNALIZATION EQUIPMENT:					
146	PEEK DOUBLE DIAMOND NEMA/TS-1/CMU	EA	1	1300	\$1,300.00

PAY ITEM	ITEM DESCRIPTION	UNIT	EST. QTY.	BID RATE	EXT.
147	EDI CONFLICT MONITOR	EA	1	835	\$835.00
148	LOAD SWITCH	EA	200	40	\$8,000.00
149	FLASH TRANSFER RELAY	EA	25	40	\$1,000.00
150	SURGE ARRESTOR (CLOSED LOOP COMMUNICATION LINE)	EA	1	100	\$100.00
151	SOLAR SYSTEM/12V SEALED BATTERY 55 AMP	EA	10	450	\$4,500.00
152	SOLAR SYSTEM/12V SEALED BATTERY 105 AMP	EA	10	600	\$6,000.00
153	POWER SUPPLY/PEEK NEMA PS 100	EA	1	800	\$800.00
154	CABINET FAN	EA	10	30	\$300.00
155	POLICE MANUAL CONTROL BUTTON	EA	1	112	\$112.00
156	PEDESTRIAN ISOLATOR BOARD (TCS CABINET)	EA	1	600	\$600.00
157	PEDESTRIAN ISOLATOR BOARD (PEEK NEMA CABINET)	EA	10	300	\$3,000.00
158	1/4" NAIL-IN ANCHOR/EA	EA	200	1	\$200.00
159	BLACKTOP PATCH	EA	50	10	\$500.00
160	#12 FORK TERMINALS	EA	1000	0.4	\$400.00
161	TIE WRAPS	EA	1000	0.5	\$500.00
162	#6 THHN WIRE	LF	100	1.5	\$150.00
163	SEOW OR "SO" 10-3, AWG COPPER CABLE	LF	500	1	\$500.00
164	HAND HOLE COVER (MAST ARM)	EA	10	300	\$3,000.00
165	FOUNDATION (CONTROLLER CABINET)	EA	5	500	\$2,500.00
166	CONCRETE PAD	EA	5	300	\$1,500.00
167	24"X48" CONCRETE BASE W/GROUND ROD	EA	10	800	\$8,000.00
168	ANCHOR BOLTS	EA	100	15	\$1,500.00
169	EDI, PS 200 SHELF/POWER SUPPLY	EA	5	665	\$3,325.00
170	EDI, TS-2 TYPE 1, BUS INTERFACE UNIT CARD	EA	10	500	\$5,000.00
171	MISCELLANEOUS CONCRETE	SY	100	120	\$12,000.00
BID SCHEDULE 2 TOTAL					\$901,425.00
Total					\$941,425.00
PERFORMANCE & PAYMENT BOND, IF REQUIRED PER TASK (NOT TO BE INCLUDED IN EVALUATION FOR "LOW BID")		Per \$1000			

Bid Tabulation - PD 16-17.083 Signal Response Maintenance
***Bid Schedule 1 Total and Total Bid corrected to reflect unit prices.**

BID SCHEDULE 1 (FURNISH & INSTALL (F&I), INSTALL, REMOVE, & RELOCATE BID ITEMS): Ingram Signalization, Inc.

PAY ITEM	ITEM DESCRIPTION	UNIT	EST. QTY.	BID RATE	EXT.
110-4-10	REMOVAL OF EXISTING CONCRETE PAVEMENT	SY	200	\$ 100.00	\$20,000.00
522-1-00	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	400	\$ 210.00	\$84,000.00
522-2-00	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	400	\$ 300.00	\$120,000.00
620-2-AB - GROUNDING ELECTROID					
620-2-11	10 FT. 5/8" GROUND ROD, FURNISH & INSTALL	EA	100	\$ 100.00	\$10,000.00
620-2-21	20 FT. 5/8" GROUND ROD ASSEMBLY, FURNISH & INSTALL	AS	50	\$ 200.00	\$10,000.00
630-2-AB - CONDUIT - 1/2" - 2"					
630-2-12	CONDUIT, SCHEDULE 40, FURNISH & INSTALL, DIRECTIONAL BORE	LF	300	\$ 13.00	\$3,900.00
630-2-11	CONDUIT, SCHEDULE 40, FURNISH & INSTALL, OPEN TRENCH	LF	500	\$ 6.00	\$3,000.00
630-2-14	CONDUIT, SCHEDULE 40, FURNISH & INSTALL, ABOVEGROUND	LF	100	\$ 9.00	\$900.00
630-2-15	CONDUIT, SCHEDULE 80, FURNISH & INSTALL, BRIDGE MOUNT	LF	400	\$ 10.00	\$4,000.00
630-2-20	CONDUIT, FURNISH & INSTALL, JACK & BORE UNDER RAILROAD	LF	300	\$ 25.00	\$7,500.00
630-2-65	CONDUIT, REMOVE, BRIDGE MOUNT	LF	400	\$ 1.50	\$600.00
632-7-A - IMSA SIGNAL CABLE					
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	5	\$ 3,000.00	\$15,000.00
632-7-2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	1000	\$ 6.00	\$6,000.00
632-7-4	SIGNAL CABLE, ADJUST/MODIFY	PI	10	\$ 560.00	\$5,600.00
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	PI	5	\$ 125.00	\$625.00
632-7-7	SIGNAL CABLE, REMOVE- OUTSIDE OF INTERSECTION	LF	5	\$ 1.00	\$5.00
633-1ABC - COMMUNICATION - FIBER OPTIC CABLE					
633-1111	FIBER OPTIC CABLE, F&I, OVERHEAD,2-12 FIBERS	LF	1000	\$ 1.58	\$1,580.00
633-1112	FIBER OPTIC CABLE, F&I, OVERHEAD,13-48 FIBERS	LF	1000	\$ 2.10	\$2,100.00
633-1113	FIBER OPTIC CABLE, F&I, OVERHEAD,49-96 FIBERS	LF	1000	\$ 3.22	\$3,220.00
633-1114	FIBER OPTIC CABLE, F&I, OVERHEAD,97-144 FIBERS	LF	1000	\$ 4.30	\$4,300.00
633-1121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	1000	\$ 1.55	\$1,550.00
633-1122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	1000	\$ 2.00	\$2,000.00
633-1123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	1000	\$ 3.10	\$3,100.00
633-1124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97 - 144 FIBERS	LF	1000	\$ 4.00	\$4,000.00
633-1310	FIBER OPTIC CABLE, INSTALL, OVERHEAD	LF	1000	\$ 2.00	\$2,000.00
633-1320	FIBER OPTIC CABLE, INSTALL, UNDERGROUND	LF	1000	\$ 2.00	\$2,000.00
633-1410	FIBER OPTIC CABLE, RELOCATE, OVERHEAD	LF	1000	\$ 3.00	\$3,000.00
633-1420	FIBER OPTIC CABLE, RELOCATE, UNDERGROUND	LF	1000	\$ 8.50	\$8,500.00
633-1610	FIBER OPTIC CABLE, REMOVE, OVERHEAD	LF	1000	\$ 1.00	\$1,000.00
633-1620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	1000	\$ 1.00	\$1,000.00
633-2-AB - FIBER OPTIC CONNECTIONS					
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	500	\$ 50.00	\$25,000.00
633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	500	\$ 50.00	\$25,000.00
633-3-AB - FIBER OPTIC CONNECTION HARDWARE					
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	5	\$ 750.00	\$3,750.00
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	5	\$ 300.00	\$1,500.00
633-3-13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	5	\$ 235.00	\$1,175.00
633-3-14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA	5	\$ 220.00	\$1,100.00
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	5	\$ 300.00	\$1,500.00
633-3-16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	5	\$ 550.00	\$2,750.00
633-3-41	FIBER OPTIC CONNECTION HARDWARE, RELOCATE SPLICE ENCLOSURE	EA	5	\$ 200.00	\$1,000.00
633-4-A - COMMUNICATION CABLE - COPPER TWISTED-PAIR CABLE					
633-4-1	SIGNALS COMMUNICATION CABLE- TWISTED PAIR CABLE, FURNISH & INSTALL	LF	500	\$ 2.25	\$1,125.00
633-4-4	SIGNALS COMMUNICATION CABLE- TWISTED PAIR CABLE, RELOCATE	LF	500	\$ 1.30	\$650.00

633-4-6	SIGNALS COMMUNICATION CABLE- TWISTED PAIR CABLE, REMOVE	LF	500	\$ 1.00	\$500.00
634-4ABC - SPAN WIRE ASSEMBLY					
634-4142	SPAN WIRE ASSEMBLY, F&I, SINGLE POINT, DIAGONAL	PI	4	\$ 400.00	\$1,600.00
634-4143	SPAN WIRE ASSEMBLY, F&I, SINGLE POINT, BOX OR DROP BOX	PI	4	\$ 400.00	\$1,600.00
634-4152	SPAN WIRE ASSEMBLY, F&I, TWO POINT, DIAGONAL	PI	4	\$ 1,200.00	\$4,800.00
634-4153	SPAN WIRE ASSEMBLY, F&I, TWO POINT, BOX OR DROP BOX	PI	2	\$ 3,500.00	\$7,000.00
634-4342	SPAN WIRE ASSEMBLY, INSTALL, SINGLE POINT ATTACH, DIAGONAL	PI	2	\$ 200.00	\$400.00
634-4352	SPAN WIRE ASSEMBLY, INSTALL, TWO POINT ATTACH, DIAGONAL	PI	2	\$ 800.00	\$1,600.00
634-4400	SPAN WIRE ASSEMBLY, ADJUST	PI	2	\$ 500.00	\$1,000.00
634-4600	SPAN WIRE ASSEMBLY, REMOVE- POLES REMAIN	PI	2	\$ 100.00	\$200.00
634-4700	SPAN WIRE ASSEMBLY, RE-TENSION CABLE - MAINTENANCE ONLY	PI	2	\$ 500.00	\$1,000.00
634-5-A - FIBERGLASS INSULATOR					
634-5-1	FIBERGLASS INSULATOR, FURNISH & INSTALL	LF	10	\$ 100.00	\$1,000.00
634-6-A - MESSENGER WIRE					
634-6-1	MESSENGER WIRE, FURNISH & INSTALL- REPLACE EXISTING	LF	10	\$ 2.00	\$20.00
635-2-AB - PULL BOX OR JUNCTION BOX					
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	10	\$ 800.00	\$8,000.00
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	10	\$ 1,500.00	\$15,000.00
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	10	\$ 2,500.00	\$25,000.00
635-2-30	PULL & SPLICE BOX, INSTALL	EA	5	\$ 600.00	\$3,000.00
635-2-30	PULL & SPLICE BOX, REMOVE	EA	5	\$ 100.00	\$500.00
635-2-40	PULL & SPLICE BOX, RELOCATE	EA	5	\$ 500.00	\$2,500.00
635-2-50	PULL & SPLICE BOX, REPAIR	EA	5	\$ 250.00	\$1,250.00
635-3-11	JUNCTION BOX, FURNISH & INSTALL, AERIAL	EA	10	\$ 80.00	\$800.00
635-3-12	JUNCTION BOX, FURNISH & INSTALL, MOUNTED	EA	10	\$ 50.00	\$500.00
635-3-40	JUNCTION BOX, RELOCATE	EA	5	\$ 50.00	\$250.00
639-1ABC - ELECTRICAL POWER SERVICE					
639-1112	ELECTRICAL POWER SERVICE, OVERHEAD, METER FURNISHED BY POWER COMPANY - FURNISH & INSTALL	AS	1	\$ 1,100.00	\$1,100.00
639-1113	ELECTRICAL POWER SERVICE, OVERHEAD METER NOT REQUIRED- FURNISHED & INSTALL	AS	1	\$ 1,100.00	\$1,100.00
639-1121	ELECTRICAL POWER SERVICE, UNDERGROUND, METER FURNISHED BY POWER COMPANY- FURNISH & INSTALL	AS	1	\$ 1,100.00	\$1,100.00
639-1122	ELECTRICAL POWER SERVICE, UNDERGROUND, METER FURNISHED BY CONTRACTOR- FURNISH & INSTALL	AS	1	\$ 1,100.00	\$1,100.00
639-1123	ELECTRICAL POWER SERVICE, UNDERGROUND, METER NOT REQUIRED - FURNISHED & INSTALL	AS	1	\$ 1,100.00	\$1,100.00
639-1410	ELECTRICAL POWER SERVICE, RELOCATE OVERHEAD	AS	1	\$ 200.00	\$200.00
639-1420	ELECTRICAL POWER SERVICE, RELOCATE, UNDERGROUND	AS	1	\$ 1,200.00	\$1,200.00
639-1610	ELECTRICAL POWER SERVICE, REMOVE OVERHEAD	AS	1	\$ 150.00	\$150.00
639-1620	ELECTRICAL POWER SERVICE, REMOVE UNDERGROUND	AS	1	\$ 150.00	\$150.00
639-2-A - ELECTRICAL SERVICE WIRE					
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	500	\$ 2.00	\$1,000.00
639-2-4	ELECTRICAL SERVICE WIRE, RELOCATE	LF	500	\$ 1.25	\$625.00
639-2-6	ELECTRICAL SERVICE WIRE, REMOVE	LF	500	\$ 1.00	\$500.00
639-3-AB - ELECTRICAL SERVICE DISCONNECT					
639-3-12	ELECTRICAL SERVICE DISCONNECT, F&I, CABINET	EA	5	\$ 100.00	\$500.00
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	5	\$ 155.00	\$775.00
639-3-60	ELECTRICAL SERVICE DISCONNECT, REMOVE- POLE OR CABINET TO REMAIN	EA	5	\$ 30.00	\$150.00
641-2-AB - PRE-STRESSED CONCRETE POLE					
641-2-11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA	4	\$ 2,000.00	\$8,000.00
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	4	\$ 1,000.00	\$4,000.00
641-2-14	PRESTRESSED CONCRETE POLE, F&I, TYPE P-IV:				\$0.00
	20' - 26'	EA	1	\$ 1,011.00	\$1,011.00
	28' - 34'	EA	1	\$ 1,131.00	\$1,131.00

	36' - 42'	EA	1	\$ 1,500.00	\$1,500.00
	42' - 50'	EA	1	\$ 1,600.00	\$1,600.00
641-2-15	PRESTRESSED CONCRETE POLE, F&I, TYPE P-V:				\$0.00
	20' - 26'	EA	1	\$ 1,526.00	\$1,526.00
	28' - 34'	EA	1	\$ 1,835.00	\$1,835.00
	36' - 42'	EA	1	\$ 4,000.00	\$4,000.00
	42' - 50'	EA	1	\$ 5,195.00	\$5,195.00
641-2-16	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VI:				\$0.00
	20' - 26'	EA	1	\$ 1,670.00	\$1,670.00
	28' - 34'	EA	1	\$ 2,020.00	\$2,020.00
	36' - 42'	EA	1	\$ 4,200.00	\$4,200.00
	42' - 50'	EA	1	\$ 5,965.00	\$5,965.00
641-2-17	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VII:				\$0.00
	20' - 26'	EA	1	\$ 1,970.00	\$1,970.00
	28' - 34'	EA	1	\$ 2,500.00	\$2,500.00
	36' - 42'	EA	1	\$ 5,000.00	\$5,000.00
	42' - 50'	EA	1	\$ 6,640.00	\$6,640.00
641-2-18	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VIII:				\$0.00
	20' - 26'	EA	1	\$ 2,000.00	\$2,000.00
	28' - 34'	EA	1	\$ 2,665.00	\$2,665.00
	36' - 42'	EA	1	\$ 5,200.00	\$5,200.00
	42' - 50'	EA	1	\$ 6,900.00	\$6,900.00
641-2-30	PRESTRESSED CONCRETE POLE, INSTALL	EA			\$0.00
641-2-60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL, PEDESTAL/SERVICE POLE	EA	1	\$ 155.00	\$155.00
641-2-70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	1	\$ 1,200.00	\$1,200.00
641-2-80	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- POLE 30' AND GREATER	EA	1	\$ 2,000.00	\$2,000.00
643-6AB - WOOD POLE					
643-600	STRAIN POLE, WOOD, REMOVE	EA	1	\$ 400.00	\$400.00
643-601	STRAIN POLE, WOOD, F&I _ 35'-CLASS 5	EA	1	\$ 1,000.00	\$1,000.00
643-602	STRAIN POLE, WOOD, F&I _ 16'X6" (TOP)-.60 CCA SYP POLE (TREATED)	EA	1	\$ 700.00	\$700.00
646-1-AB - PEDESTAL AND PEDESTRIAN POST					
646-1-11	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTAL	EA	5	\$ 2,000.00	\$10,000.00
646-1-12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA	5	\$ 300.00	\$1,500.00
646-1-30	ALUMINUM SIGNALS POLE, INSTALL	EA	5	\$ 1,700.00	\$8,500.00
646-1-40	ALUMINUM SIGNALS POLE, RELOCATE	EA	5	\$ 200.00	\$1,000.00
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	EA	5	\$ 150.00	\$750.00
650-1-AB - TRAFFIC SIGNAL ASSEMBLY					
650-1-11	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 12" 1 SECTION, 1 WAY	AS	5	\$ 660.00	\$3,300.00
650-1-12	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 12" 1 SECTION, 2-4 WAY	AS	5	\$ 1,000.00	\$5,000.00
650-1-14	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 12" 3 SECTION, 1 WAY	AS	5	\$ 7,000.00	\$35,000.00
650-1-16	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 12" 4 SECTION, 1 WAY	AS	5	\$ 800.00	\$4,000.00
650-1-18	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 12" 5 SECTION STRAIGHT, 1 WAY	AS	5	\$ 1,000.00	\$5,000.00
650-1-19	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 12" 5 SECTION CLUSTER, 1 WAY	AS	5	\$ 1,200.00	\$6,000.00
650-1-24	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE W/ALUM TOP, 12" 3 SECTION, 1 WAY	AS	5	\$ 700.00	\$3,500.00
650-1-25	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE WITH ALUMINUM TOP SECTION, 12" 3 SECTION, 2-4 WAYS	AS	5	\$ 1,000.00	\$5,000.00
650-1-26	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE W/ALUM TOP, 12" 4 SECTION, 1 WAY	AS	5	\$ 1,000.00	\$5,000.00
650-1-29	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE W ALUMIN, 12" 5 SECTION CLUSTER, 1 WAY	AS	5	\$ 1,200.00	\$6,000.00
650-1-34	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 12 " 3 SECTION, 1 WAY	AS	1	\$ 865.00	\$865.00
650-1-36	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 12" 4 SECTION, 1 WAY	AS	1	\$ 1,100.00	\$1,100.00
650-1-38	TRAFFIC SIGNAL, FURNISH & INSTALL, POLYCARBONATE, 12" 5 SECTION STRAIGHT, 1 WAY	AS	1	\$ 1,200.00	\$1,200.00

650-1-39	TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE, 12" 5 SECTION CLUSTER, 1 WAY	AS	1	\$ 1,200.00	\$1,200.00
650-1-50	TRAFFIC SIGNAL, INSTALL	AS	1	\$ 250.00	\$250.00
650-1-60	TRAFFIC SIGNAL, REMOVE- POLES TO REMAIN	AS	5	\$ 50.00	\$250.00
650-2ABC - VEHICULAR SIGNAL AUXILIARIES (WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
650-2102	VEHICULAR SIGNAL AUXILIARIES, FURNISH & INSTALL, BACKPLATE- BLACK WITH RETRO-REFLECTIVE BORDER	EA	100	\$ 190.00	\$19,000.00
650-2105	VEHICULAR SIGNAL AUXILIARIES, FURNISH & INSTALL, TUNNEL VISOR	EA	100	\$ 50.00	\$5,000.00
650-2106	VEHICULAR SIGNAL AUXILIARIES, FURNISH & INSTALL, 12" LED STANDARD MODULE	EA	50	\$ 300.00	\$15,000.00
650-2108	VEHICULAR SIGNAL AUXILIARIES, FURNISH & INSTALL, ADD SECTION TO EXISTING SIGNAL ASSEMBLY	EA	100	\$ 100.00	\$10,000.00
653-1-AB - PEDESTRIAN SIGNAL					
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	10	\$ 1,000.00	\$10,000.00
653-1-12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	5	\$ 1,500.00	\$7,500.00
653-1-40	PEDESTRIAN SIGNAL, RELOCATE	AS	5	\$ 400.00	\$2,000.00
653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	10	\$ 85.00	\$850.00
654-1-AB - IN ROADWAY LIGHT ASSEMBLY -(WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
654-1-10	IN ROADWAY LIGHT ASSEMBLY, FURNISH & INSTALL- AC POWERED, COMPLETE ASSEMBLY	AS	1	\$ 31,000.00	\$31,000.00
654-1-20	IN ROADWAY LIGHT ASSEMBLY, FURNISH & INSTALL- SOLAR POWERED, COMPLETE ASSEMBLY	AS	1	\$ 31,000.00	\$31,000.00
654-1-21	IN-ROADWAY LIGHT FIXTURE, FURNISH & INSTALL- SOLAR POWERED	EA	1	\$ 1,850.00	\$1,850.00
654-1-22	IN-ROADWAY LIGHT CABINET, FURNISH & INSTALL- SOLAR POWERED	EA	1	\$ 3,500.00	\$3,500.00
654-2-AB - RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (RRFB)					
654-2-11	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- AC POWERED, COMPLETE ASSEMBLY- SINGLE DIRECTION	AS	1	\$ 7,200.00	\$7,200.00
654-2-12	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- AC POWERED, COMPLETE ASSEMBLY- BACK TO BACK	AS	1	\$ 8,925.00	\$8,925.00
654-2-14	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- AC POWERED, SIGNS AND RRFB UNIT	EA	1	\$ 9,200.00	\$9,200.00
654-2-21	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE ASSEMBLY- SINGLE DIRECTION	AS	1	\$ 7,200.00	\$7,200.00
654-2-22	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE ASSEMBLY- BACK TO BACK	AS	1	\$ 8,925.00	\$8,925.00
654-2-30	RECTANGULAR RAPID FLASHING BEACON, INSTALL	AS	1	\$ 2,500.00	\$2,500.00
654-2-40	RECTANGULAR RAPID FLASHING BEACON, RELOCATE	AS	1	\$ 2,500.00	\$2,500.00
654-2-50	RECTANGULAR RAPID FLASHING BEACON, ADJUST/MODIFY	AS	1	\$ 500.00	\$500.00
654-2-60	RECTANGULAR RAPID FLASHING BEACON, REMOVE	AS	1	\$ 200.00	\$200.00
654-2-73	RECTANGULAR RAPID FLASHING BEACON, REPLACE BATTERY-55 AMP.	EA	1	\$ 500.00	\$500.00
660-1-ABC - LOOP DETECTORS - (WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
660-1101	LOOP DETECTOR, INDUCTIVE, 4 CHANNEL, SOLID STATE, SHELF MOUNT- FURNISH & INSTALL	EA	10	\$ 300.00	\$3,000.00
660-1102	LOOP DETECTOR, INDUCTIVE, 1 CHANNEL, RELAY OUTPUT, SHELF MOUNT- FURNISH & INSTALL	EA	10	\$ 300.00	\$3,000.00
660-1103	LOOP DETECTOR, INDUCTIVE, 2 CHANNEL, SOLID STATE, SHELF MOUNT- FURNISH & INSTALL	EA	10	\$ 300.00	\$3,000.00
660-1104	LOOP DETECTOR, INDUCTIVE, 2 CHANNEL, SOLID STATE, SHELF MOUNT, TIME DELAY-FURNISH & INSTALL	EA	10	\$ 300.00	\$3,000.00
660-1106	LOOP DETECTOR, 2 CHANNEL, SOLID STATE, RACK MOUNT - FURNISH & INSTALL	EA	10	\$ 300.00	\$3,000.00
660-1107	LOOP DETECTOR, INDUCTIVE, 1 CHANNEL, SOLID STATE, SHELF MOUNT, TIME DELAY-FURNISH & INSTALL	EA	10	\$ 325.00	\$3,250.00
660-1109	LOOP DETECTOR, 2 CHANNEL, SOLID STATE, RACK MOUNT, TIME DELAY - FURNISH & INSTALL	EA	10	\$ 350.00	\$3,500.00
660-1110	LOOP DETECTOR, 4 CHANNEL, SOLID STATE, RACK MOUNT - FURNISH & INSTALL	EA	10	\$ 300.00	\$3,000.00
660-1111	LOOP DETECTOR, INDUCTIVE, 4 CHANNEL, SOLID STATE, SHELF MOUNT, TIME DELAY-FURNISH & INSTALL	EA	10	\$ 350.00	\$3,500.00

660-1112	LOOP DETECTOR, 4 CHANNEL, SOLID STATE, RACK MOUNT, TIME DELAY - FURNISH & INSTALL	EA	10	\$ 400.00	\$4,000.00
660-1300	LOOP DETECTOR INDUCTIVE, INSTALL	EA	10	\$ 155.00	\$1,550.00
660-1400	LOOP DETECTOR, INDUCTIVE, 1 CHANNEL, RELAY OUTPUT, SHELF MOUNT, TIME DELAY-FURNISH & INSTALL	EA	10	\$ 300.00	\$3,000.00
660-1600	LOOP DETECTOR, INDUCTIVE, 1 CHANNEL, SOLID STATE, SHELF MOUNT- FURNISH & INSTALL	EA	10	\$ 325.00	\$3,250.00
660-2ABC - LOOP ASSEMBLY - (WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
660-2101	LOOP ASSEMBLY - TYPE A (6'X50')- FURNISH & INSTALL	AS	1	\$ 2,000.00	\$2,000.00
660-2102	LOOP ASSEMBLY- TYPE B (6'X6')- FURNISH & INSTALL	AS	1	\$ 1,800.00	\$1,800.00
660-2106	LOOP ASSEMBLY - TYPE F (6'X50')- FURNISH & INSTALL	AS	1	\$ 2,500.00	\$2,500.00
660-4-AB - VEHICLE DETECTION SYSTEM-VIDEO					
660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	1	\$ 15,500.00	\$15,500.00
660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	1	\$ 6,000.00	\$6,000.00
660-4-30	VEHICLE DETECTION SYSTEM- VIDEO, INSTALL	EA	1	\$ 7,000.00	\$7,000.00
660-4-41	VEHICLE DETECTION SYSTEM- VIDEO, RELOCATE CABINET EQUIPMENT	EA	1	\$ 1,125.00	\$1,125.00
660-4-42	VEHICLE DETECTION SYSTEM- VIDEO, RELOCATE ABOVE GROUND EQUIPMENT	EA	1	\$ 840.00	\$840.00
660-4-51	VEHICLE DETECTION SYSTEM- VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA	1	\$ 1,200.00	\$1,200.00
660-4-52	VEHICLE DETECTION SYSTEM- VIDEO, ADJUST/MODIFY ABOVE GROUND EQUIPMENT	EA	1	\$ 1,500.00	\$1,500.00
660-4-60	VEHICLE DETECTION SYSTEM- VIDEO, REMOVE	EA	1	\$ 150.00	\$150.00
660-4-80	VEHICLE DETECTION SYSTEM- VIDEO, PREVENTIVE MAINTENANCE	EA	1	\$ 300.00	\$300.00
665-1-AB - PEDESTRIAN DETECTOR					
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	10	\$ 155.00	\$1,550.00
665-1-12	PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE	EA	10	\$ 1,645.00	\$16,450.00
665-1-30	PEDESTRIAN DETECTOR, INSTALL	EA	5	\$ 100.00	\$500.00
665-1-40	PEDESTRIAN DETECTOR, RELOCATE	EA	5	\$ 125.00	\$625.00
665-1-50	PEDESTRIAN DETECTOR, ADJUST/MODIFY ON EXISTING POLE	EA	5	\$ 155.00	\$775.00
665-1-60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	5	\$ 42.00	\$210.00
670-5ABC - TRAFFIC SIGNAL CONTROLLER ASSEMBLY					
670-5110	TRAFFIC CONTROLLER ASSEMBLY, NEMA - FURNISH & INSTALL	AS	1	\$ 22,000.00	\$22,000.00
670-5111	TRAFFIC CONTROLLER ASSEMBLY, NEMA, 1 PREEMPTION - FURNISH & INSTALL	AS	1	\$ 23,000.00	\$23,000.00
670-5112	TRAFFIC CONTROLLER ASSEMBLY, NEMA, 2 PREEMPTION - FURNISH & INSTALL	AS	1	\$ 25,000.00	\$25,000.00
670-5150	TRAFFIC CONTROLLER ASSEMBLY, ATC, NO PREEMPTION - FURNISH & INSTALL	AS	1	\$ 25,000.00	\$25,000.00
670-5151	TRAFFIC CONTROLLER ASSEMBLY, ATC, 1 PREEMPTION - FURNISH & INSTALL	AS	1	\$ 25,500.00	\$25,500.00
670-5152	TRAFFIC CONTROLLER ASSEMBLY, ATC, 2 PREEMPTION - FURNISH & INSTALL	AS	1	\$ 26,000.00	\$26,000.00
670-5300	TRAFFIC CONTROLLER ASSEMBLY, INSTALL	AS	1	\$ 1,500.00	\$1,500.00
670-5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1	\$ 600.00	\$600.00
670-5500	TRAFFIC CONTROLLER ASSEMBLY, RELOCATE CONTROLLER WITH CABINET	AS	1	\$ 2,500.00	\$2,500.00
670-5600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	1	\$ 450.00	\$450.00
671-2-AB - TRAFFIC SIGNAL CONTROLLER					
671-2-11	TRAFFIC CONTROLLER WITHOUT CABINET, NEMA, FURNISH & INSTALL IN EXISTING CABINET	EA	1	\$ 5,500.00	\$5,500.00
671-2-13	TRAFFIC CONTROLLER WITHOUT CABINET, ATC, FURNISH & INSTALL IN EXISTING CABINET	EA	1	\$ 5,500.00	\$5,500.00
671-2-30	TRAFFIC CONTROLLER, INSTALL	EA	1	\$ 1,500.00	\$1,500.00
671-2-40	TRAFFIC CONTROLLER, MODIFY	EA	1	\$ 500.00	\$500.00
671-2-50	TRAFFIC CONTROLLER, RELOCATE- WITHOUT CABINET	EA	1	\$ 1,200.00	\$1,200.00
671-2-60	TRAFFIC CONTROLLER, REMOVE- CABINET TO REMAIN	EA	1	\$ 150.00	\$150.00
684-1-A - MANAGED FIELD ETHERNET SWITCH (WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	5	\$ 3,100.00	\$15,500.00
684-1-3	MANAGED FIELD ETHERNET SWITCH, INSTALL	EA	5	\$ 300.00	\$1,500.00
684-1-4	MANAGED FIELD ETHERNET SWITCH, RELOCATE	EA	5	\$ 400.00	\$2,000.00
684-1-5	MANAGED FIELD ETHERNET SWITCH, ADJUST / MODIFY	EA	5	\$ 500.00	\$2,500.00
684-1-6	MANAGED FIELD ETHERNET SWITCH, REMOVE- CABINET TO REMAIN	EA	5	\$ 100.00	\$500.00
684-6-AB - WIRELESS COMMUNICATION DEVICE					
684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL, ETHERNET ACCESS	EA	1	\$ 5,000.00	\$5,000.00
684-6-12	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL, ETHERNET SUBSCRIBER UNIT	EA	1	\$ 4,000.00	\$4,000.00
684-6-13	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL SERIAL DATA UNIT	EA	1	\$ 1,500.00	\$1,500.00
684-6-30	WIRELESS COMMUNICATION DEVICE, INSTALL	EA	1	\$ 1,200.00	\$1,200.00
684-6-40	WIRELESS COMMUNICATION DEVICE, RELOCATE	EA	1	\$ 1,300.00	\$1,300.00
684-6-60	WIRELESS COMMUNICATION DEVICE, REMOVE	EA	1	\$ 100.00	\$100.00
685-1-AB - UNINTERRUPTIBLE POWER SUPPLY					

685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA	1	\$ 7,500.00	\$7,500.00
685-1-14	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, ONLINE/DOUBLE CONVERSION WITH CABINET	EA	1	\$ 9,000.00	\$9,000.00
685-1-60	UNINTERRUPTIBLE POWER SUPPLY, REMOVE- POLE/CABINET REMAINS	EA	1	\$ 500.00	\$500.00
700-11-ABC - ELECTRONIC DISPLAY SIGN - (WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
700-11-161	ELECTONIC DISPLAY SIGN, GRD/MT. AC POWERED, W/S.F.B. & BEACONS, FURNISH & INSTALL	AS	4	\$ 9,500.00	\$38,000.00
700-11-261	ELECTONIC DISPLAY SIGN, GRD/MT. SOLAR POWERED, W/S.F.B.& BEACONS, FURNISH & INSTALL	AS	4	\$ 10,500.00	\$42,000.00
700-12-AB - SIGN BEACON - (WHEN NO SEPARATE BID ITEM IS PROVIDED, PROPOSED UNIT RATE WILL INCLUDE REMOVAL)					
700-12-11	SIGN BEACON, AC POWER, 1 BEACON) - FURNISH & INSTALL	AS	2	\$ 3,500.00	\$7,000.00
700-12-12	SIGN BEACON, AC POWER, 2 BEACONS) - FURNISH & INSTALL	AS	2	\$ 4,000.00	\$8,000.00
700-12-21	SIGN BEACON, SOLAR POWER, 1 BEACON - FURNISH & INSTALL	AS	2	\$ 6,000.00	\$12,000.00
700-12-22	SIGN BEACON, SOLAR POWER, 2 BEACONS, FURNISH & INSTALL	AS	2	\$ 6,500.00	\$13,000.00
BID SCHEDULE 1 TOTAL:					\$1,292,123.00 *

*Bid Schedule 1 Total and Total Bid corrected to reflect unit prices.

BID SCHEDULE 2 (LABOR AND MATERIAL BID ITEMS):

1	TECHNICIAN - IMSA LEVEL II (MON-FRI, 8:00 AM-4:30 PM)	HR	1255	\$ 65.00	\$81,575.00
2	TECHNICIAN - IMSA LEVEL III (MON-FRI, 8:00 AM-4:30 PM)	HR	80	\$ 75.00	\$6,000.00
3	TECHNICIAN - IMSA LEVEL II (MON-FRI, 4:31 PM-7:49AM, SAT, SUN AND HOLIDAYS)	HR	730	\$ 90.00	\$65,700.00
4	TECHNICIAN - IMSA LEVEL III (MON-FRI, 4:31 PM-7:49AM, SAT, SUN AND HOLIDAYS)	HR	40	\$ 100.00	\$4,000.00
5	TECHNICIAN ASSISTANT (MON-FRI, 8:00 AM-4:30 PM)	HR	1255	\$ 43.00	\$53,965.00
6	TECHNICIAN ASSISTANT (MON-FRI, 4:31 PM-7:49AM, SAT, SUN AND HOLIDAYS)	HR	40	\$ 63.00	\$2,520.00
7	AERIAL BUCKET TRUCK (STANDARD)	HR	1200	\$ 25.00	\$30,000.00
8	AERIAL BUCKET TRUCK (LARGE)	HR	55	\$ 35.00	\$1,925.00
9	SERVICE TRUCK	HR	730	\$ 25.00	\$18,250.00
10	MAINTENANCE OF TRAFFIC (MESSAGE BOARD RENTAL)	DAY	10	\$ 15.00	\$150.00
11	UTILITY COORDINATION (SUNSHINE SPOTS)	PI	10	\$ 200.00	\$2,000.00
12	TIMING IMPLEMENTATION	PI	5	\$ 500.00	\$2,500.00
13	TIMING ADJUSTMENT, SYSTEMS (COORDINATED)	PI	5	\$ 500.00	\$2,500.00
14	TIMING ADJUSTMENT, INTERSECTIONS (NON-COORDINATED)	PI	5	\$ 500.00	\$2,500.00
15	BENCH TESTING (CONFLICT MONITOR)	EA	200	\$ 200.00	\$40,000.00
16	TEMPORARY CONTROLLER/MONITOR RENTAL/DAY	DAY	25	\$ 25.00	\$625.00
17	TEMPORARY TRAFFIC SIGNAL OPERATION, GENERATOR RENTAL/HR	HR	5	\$ 21.00	\$105.00
18	TEMPORARY TRAFFIC SIGNAL CABINET, DURING KNOCK-DOWN RENTAL/DAY	DAY	5	\$ 11.00	\$55.00
GROUNDING ELECTRODE					
19	10 FT. 5/8" GROUND ROD	EA	100	\$ 25.00	\$2,500.00
20	20 FT. 5/8" GROUND ROD	EA	50	\$ 57.00	\$2,850.00
MISCELLANEOUS CONDUIT:					
21	½" 10 FT. SECTION	EA	100	\$ 4.00	\$400.00
22	1" 10 FT. SECTION	EA	100	\$ 5.00	\$500.00
23	CONDUIT, 2" 10 FT. (ABOVE GROUND)	EA	200	\$ 16.00	\$3,200.00
24	CONDUIT, 2" 10 FT. (UNDERGROUND)	EA	500	\$ 10.00	\$5,000.00
25	CONDUIT, 2" 10 FT. (UNDER PAVEMENT/JACKED)	EA	500	\$ 30.00	\$15,000.00
26	CONDUIT, 1" CLAMP	EA	100	\$ 0.55	\$55.00
27	CONDUIT, 2" CLAMP	EA	100	\$ 1.00	\$100.00
28	COUPLING, 1/2"	EA	50	\$ 0.15	\$7.50
29	COUPLING, 1"EA	EA	50	\$ 0.27	\$13.50
30	COUPLING, 2"EA	EA	200	\$ 1.00	\$200.00
31	90-DEGREE ELBOW, ½"	EA	100	\$ 1.00	\$100.00
32	90-DEGREE ELBOW, 1"	EA	100	\$ 1.00	\$100.00
33	90-DEGREE ELBOW, 2"	EA	100	\$ 1.50	\$150.00
MISCELLANEOUS SIGNAL CABLE:					
34	20- CONDUCTOR	LF	250	\$ 3.00	\$750.00
35	16-CONDUCTOR	LF	250	\$ 2.50	\$625.00
36	12-CONDUCTOR	LF	250	\$ 2.00	\$500.00

37	9-CONDUCTOR	LF	250	\$ 1.50	\$375.00
38	7-CONDUCTOR	LF	1000	\$ 1.25	\$1,250.00
39	2-CONDUCTOR/BELDEN "HOME RUN"	LF	1000	\$ 0.55	\$550.00
MISCELLANEOUS COMMUNICATION:					
40	INTERCONNECT CABLE/FSK WIRE (OVERHEAD) - 6-22-AL-F8	LF	1000	\$ 2.00	\$2,000.00
41	INTERCONNECT CABLE/ FSK WIRE (UNDERGROUND)- 6-22-AL-F8	LF	1000	\$ 2.00	\$2,000.00
42	BURIED CABLE WARNING MARKER (PER DETAIL)	EA	100	\$ 175.00	\$17,500.00
43	ITS EXPRESS ITS 8020 FIBER SWITCH	EA	50	\$ 1,000.00	\$50,000.00
44	ITS EXPRESS ITS 80 SERIES POWER SUPPLY	EA	50	\$ 150.00	\$7,500.00
MISCELLANEOUS SPAN WIRE ASSEMBLY:					
45	ADJUSTABLE HANGER	EA	25	\$ 55.00	\$1,375.00
46	DISCONNECT HANGER	EA	25	\$ 200.00	\$5,000.00
47	EXTENSION HANGER	EA	25	\$ 40.00	\$1,000.00
48	SPAN WIRE HANGER (2079-S) WITH SS BUSHING (SINGLE CABLE SUPPORT)	EA	25	\$ 45.00	\$1,125.00
49	SPAN WIRE CLAMP	EA	25	\$ 45.00	\$1,125.00
50	SIGN BRACKET/SPAN WIRE TYPE (1-WAY)	EA	5	\$ 200.00	\$1,000.00
51	SIGN BRACKET/SPAN WIRE TYPE (2-WAY)	EA	5	\$ 250.00	\$1,250.00
52	EYE BOLT	EA	25	\$ 12.00	\$300.00
53	ALL THREAD/5/8"	LF	25	\$ 2.00	\$50.00
54	GUY ANCHOR, 6"	EA	5	\$ 150.00	\$750.00
55	GUY WIRE/1/4"	LF	100	\$ 1.00	\$100.00
56	GUY WIRE/3/8"	LF	500	\$ 1.15	\$575.00
57	SPAN WIRE SPLICE/1/4"	EA	25	\$ 40.00	\$1,000.00
58	SPAN WIRE SPLICE/3/8"	EA	25	\$ 60.00	\$1,500.00
58	GUY WIRE VISE/1/4"	EA	25	\$ 13.00	\$325.00
60	GUY WIRE VISE/3/8"	EA	25	\$ 40.00	\$1,000.00
MISCELLANEOUS PULL BOX OR JUNCTION BOX					
61	AERIAL JUNCTION BOX	EA	5	\$ 233.00	\$1,165.00
62	MOUNTED JUNCTION BOX	EA	20	\$ 75.00	\$1,500.00
MISCELLANEOUS VEHICULAR SIGNAL AUXILIARIES					
63	12" RED LED MODULE	EA	25	\$ 60.00	\$1,500.00
64	12" YELLOW LED MODULE	EA	25	\$ 60.00	\$1,500.00
65	12" GREEN LED MODULE	EA	100	\$ 60.00	\$6,000.00
66	12" RED ARROW LED MODULE	EA	15	\$ 60.00	\$900.00
67	12" YELLOW ARROW LED MODULE	EA	15	\$ 60.00	\$900.00
68	12" GREEN ARROW LED MODULE	EA	15	\$ 60.00	\$900.00
69	12" YELLOW LED (12 VOLT)	EA	15	\$ 150.00	\$2,250.00
70	3M OPTICAL SIGNAL LAMP	EA	15	\$ 125.00	\$1,875.00
71	12" GEOMETRICALLY PROGRAMMED LOUVER	EA	10	\$ 265.00	\$2,650.00
72	ASTRO BRACKET 110" SS CABLE	EA	10	\$ 255.00	\$2,550.00
MISCELLANEOUS PEDESTRIAN SIGNAL:					
73	PEDESTRIAN SIGNAL (LED COUNTDOWN MODULE)	EA	25	\$ 225.00	\$5,625.00
74	PEDESTRIAN SIGNAL HOUSING (PED CAN)	EA	10	\$ 155.00	\$1,550.00
75	4" SPUN ALUMINUM PEDESTAL (PEDESTRIAN SIGNAL, FLASHING BEACON)/EA	EA	25	\$ 500.00	\$12,500.00
76	SLIP-FITTER 4 1/2" /EA	EA	25	\$ 75.00	\$1,875.00
77	2 WAY SIGNAL BRACKET KIT	EA	10	\$ 150.00	\$1,500.00
MISCELLANEOUS INDUCTIVE LOOP:					
78	SURGE ARRESTOR (INDUCTANCE LOOP AMPLIFIER)	EA	10	\$ 15.00	\$150.00
79	HOME RUN CABLE (REPLACEMENT)	LF	500	\$ 2.00	\$1,000.00
MISCELLANEOUS VEHICLE DETECTION SYSTEM-VIDEO:					
80	ALDIS, 360 DEGREE 10" DIAMETER X 9" FISHEYE CAMERA	EA	1	\$ 10,500.00	\$10,500.00
81	ALDIS, GRIDSMART CONTROL UNIT FOR TS1 AND TS2 TRAFFIC CONTROL CABINETS	EA	1	\$ 10,500.00	\$10,500.00
82	12 FT. CAMERA EXTENSION ASSEMBLY	EA	5	\$ 300.00	\$1,500.00
83	ITERIS RZ-4 ADVANCED WIDE DYNAMIC RANGE CAMERA	EA	2	\$ 5,200.00	\$10,400.00
84	ITERIS VANTAGE EDGE 2 VIDEO PROCESSOR CARD (SINGLE)	EA	2	\$ 5,500.00	\$11,000.00
85	ITERIS VANTAGE EDGE 2 VIDEO PROCESSOR CARD (DUAL)	EA	2	\$ 6,800.00	\$13,600.00
86	ITERIS VANTAGE EDGECONNECT VIDEO INTERFACE CARD	EA	2	\$ 3,500.00	\$7,000.00
87	16"-19" LCD MONITOR FOR VIDEO DETECTION SYSTEM	EA	5	\$ 1,500.00	\$7,500.00

88	VIDEO SURGE ARRESTOR CAT5	EA	5	\$ 400.00	\$2,000.00
89	VIDEO SURGE ARRESTOR BNC	EA	5	\$ 100.00	\$500.00
90	VIDEO CABLE CAT 5	LF	500	\$ 1.00	\$500.00
91	VIDEO CABLE COMPOSITE	LF	500	\$ 1.00	\$500.00
MISCELLANEOUS PEDESTRIAN DETECTION SYSTEM:					
92	DETECTOR SIGN (PEDESTRIAN)	EA	50	\$ 45.00	\$2,250.00
93	PUSH BUTTON (PEDESTRIAN DETECTOR STANDARD)	EA	50	\$ 85.00	\$4,250.00
94	PUSH BUTTON (PEDESTRIAN DETECTOR ACCESSIBLE "AUDIBLE")	EA	10	\$ 1,800.00	\$18,000.00
95	PB-5100 8' ALUMINUM POLE	EA	10	\$ 500.00	\$5,000.00
MISCELLANEOUS TRAFFIC SIGNAL CONTROLLER:					
96	CONFLICT MONITOR/FUSE/½ AMP (SLO BLO)	EA	5	\$ 1.00	\$5.00
97	CONFLICT MONITOR/FUSE/2 AMP	EA	5	\$ 1.00	\$5.00
98	CONTROLLER FUSE/3/4/ AMP/24 VDC	EA	1	\$ 1.00	\$1.00
99	CONTROLLER FUSE/1 ¼ AMP (SLO BLO)	EA	1	\$ 1.00	\$1.00
100	PEEK/3000E/NEMA/TS-1/8 PHASE	EA	1	\$ 5,000.00	\$5,000.00
CONTROLLER TYPE (INTERCONNECT FSK WIRE, CLOSED LOOP):					
101	PEEK ATC-1000 CONTROLLER	EA	5	\$ 5,500.00	\$27,500.00
102	MCCAIN ATC EX CONTROLLER, TS2 TYPE 1	EA	5	\$ 5,500.00	\$27,500.00
103	MCCAIN ATC EX NEMA CONTROLLER, TS2 TYPE 2	EA	5	\$ 5,500.00	\$27,500.00
MISCELLANEOUS MANAGED FIELD ETHERNET SWITCH:					
104	ITS EXPRESS ITS 8040 12 PORT/LAYER2 HARDENED ETHERNET SWITCH	EA	5	\$ 1,600.00	\$8,000.00
105	ITS EXPRESS ITS VC-1000 TWISTED-PAIR CONVERTER(FSK)/EA	EA	5	\$ 725.00	\$3,625.00
106	SIEMENS RUGGED VDSL, RS930L, 6 PORT ETHERNET SWITCH	EA	5	\$ 2,260.00	\$11,300.00
MISCELLANEOUS WIRELESS COMMUNICATION DEVICE:					
107	ENCOM WIRELESS, COMMPAK IP SERIAL/ETHERNET BRIDGE	EA	1	\$ 1,500.00	\$1,500.00
108	ENCOM WIRELESS E-LITE 300MBPS UNIT, (COMPLETE)	EA	1	\$ 3,200.00	\$3,200.00
MISCELLANEOUS UNINTERRUPTIBLE POWER SUPPLY:					
109	MYERS POWER PRODUCT UPS, MP2000, 1500W INVERTER	EA	1	\$ 3,500.00	\$3,500.00
110	TCS UPS PIGGY-BACK CABINET	EA	1	\$ 7,000.00	\$7,000.00
111	TCS GENERATOR TRANSFER SWITCH/EA	EA	1	\$ 1,000.00	\$1,000.00
MISCELLANEOUS E.D.S. / SIGN BEACON ITEMS:					
112	PB-5100 12' ALUMINUM POLE	EA	5	\$ 200.00	\$1,000.00
113	PB-5100 15' ALUMINUM POLE	EA	5	\$ 225.00	\$1,125.00
114	PB-5100 18' ALUMINUM POLE	EA	5	\$ 300.00	\$1,500.00
115	PB-5306 ANCHOR BOLTS	EA	100	\$ 15.00	\$1,500.00
116	PB-5335 SQUARE ALUMINUM BASE WITH ALUMINUM DOOR	EA	25	\$ 400.00	\$10,000.00
117	PB-5325 COLLAR ASSEMBLY FOR SQUARE BASE	EA	25	\$ 200.00	\$5,000.00
118	SE-1100 4.5' OD POST MOUNTING KIT/EA	EA	25	\$ 50.00	\$1,250.00
119	SE-1002 FLASHER CABINET ASSEMBLY WITH POLICE TYPE ONE LOCK	EA	5	\$ 800.00	\$4,000.00
120	SE-0513 TRI-STUD ADAPTERS	EA	25	\$ 50.00	\$1,250.00
121	SH-0206 U-BOLT SIGN ASSEMBLY KIT	EA	25	\$ 30.00	\$750.00
122	CARMANAH R247 SERIES 24-HOUR FLASHING WARNING BEACON	AS	1	\$ 3,700.00	\$3,700.00
123	CARMANAH R820 SERIES CROSSWALK BEACON	AS	1	\$ 4,600.00	\$4,600.00
124	CARMANAH R829 SERIES/SCH ZONE BCN/W/CALENDAR-BASED SOFTWARE	AS	1	\$ 7,500.00	\$7,500.00
125	NAZTEC SERIES 100/365 DAY PROGRAMMABLE	EA	1	\$ 400.00	\$400.00
126	RTC AP21/365 DAY PROGRAMMABLE	EA	10	\$ 1,600.00	\$16,000.00
127	ELTEC/NTC-17E/365 DAY PROGRAMMABLE	EA	1	\$ 500.00	\$500.00
128	AP22/TIME SWITCH	EA	1	\$ 800.00	\$800.00
129	CPR2102G/PAGER PROGRAMMABLE TIME SWITCH	EA	1	\$ 1,400.00	\$1,400.00
130	RTC, AP22/365 DAY PROGRAMMABLE	EA	1	\$ 1,600.00	\$1,600.00
131	RU2 FAST SYSTEMS, RU2 FAST 18" DISPLAY SIGN, SOLAR	EA	1	\$ 10,000.00	\$10,000.00
132	RU2 FAST SYSTEMS, RU2 FAST 18" DISPLAY SIGN, 120V	EA	1	\$ 10,000.00	\$10,000.00
133	IDC 1520 SPEED CHECK 15" SERIES, DATA COLLECTION, SCHEDULER AND SLOW DOWN OPTIONS, SOLAR DISPLAY BOARD	EA	1	\$ 10,000.00	\$10,000.00
134	IDC 1820 SPEED CHECK 18" SERIES, DATA COLLECTION, SCHEDULER AND SLOW DOWN OPTIONS, SOLAR DISPLAY BOARD	EA	1	\$ 10,000.00	\$10,000.00
135	IDC LED PANEL 15" DIGITS W/SLOW DOWN	EA	1	\$ 800.00	\$800.00
136	IDC POLYCARBONATE WINDOW 15" DIGIT W/SLOW DOWN	EA	1	\$ 200.00	\$200.00

137	IDC 15" (30" X 42") DIAMOND GRADE FLORESCENT YELLOW/GREEN	EA	1	\$ 500.00	\$500.00
138	HR LLC APPROACH-ONLY RADAR UNIT	EA	1	\$ 1,225.00	\$1,225.00
139	ASC SOLAR CHARGE CONTROLLER (8 AMP)	EA	1	\$ 300.00	\$300.00
140	IDC DEVISE/MANAGER, CONTROLLER BOARD, PROGRAMMABLE WIRELESS	EA	1	\$ 700.00	\$700.00
141	MORNINGSTAR/SUNSAVER SOLAR CHARGE CONTROLLER (10 AMP)	EA	1	\$ 700.00	\$700.00
142	55 WATT, SOLAR POWER PANEL KIT COMPLETE FOR SPEED CHECK DISPLAYS	EA	1	\$ 1,650.00	\$1,650.00
143	SOLAR PANEL RACKING	EA	1	\$ 230.00	\$230.00
144	SOLAR POLE-MOUNTED BATTERY BOX	EA	1	\$ 525.00	\$525.00
EMERGENCY GENERATOR POWER HOOK-UP:					
145	(INC PRE-ASSEMBLED HARNESS/GASKET/CLAMP/SPLICE/PER FDOT D-3 SPEC)	AS	1	\$ 500.00	\$500.00
MISCELLANEOUS SIGNALIZATION EQUIPMENT:					
146	PEEK DOUBLE DIAMOND NEMA/TS-1/CMU	EA	1	\$ 1,300.00	\$1,300.00
147	EDI CONFLICT MONITOR	EA	1	\$ 835.00	\$835.00
148	LOAD SWITCH	EA	200	\$ 40.00	\$8,000.00
149	FLASH TRANSFER RELAY	EA	25	\$ 40.00	\$1,000.00
150	SURGE ARRESTOR (CLOSED LOOP COMMUNICATION LINE)	EA	1	\$ 100.00	\$100.00
151	SOLAR SYSTEM/12V SEALED BATTERY 55 AMP	EA	10	\$ 450.00	\$4,500.00
152	SOLAR SYSTEM/12V SEALED BATTERY 105 AMP	EA	10	\$ 600.00	\$6,000.00
153	POWER SUPPLY/PEEK NEMA PS 100	EA	1	\$ 800.00	\$800.00
154	CABINET FAN	EA	10	\$ 30.00	\$300.00
155	POLICE MANUAL CONTROL BUTTON	EA	1	\$ 112.00	\$112.00
156	PEDESTRIAN ISOLATOR BOARD (TCS CABINET)	EA	1	\$ 600.00	\$600.00
157	PEDESTRIAN ISOLATOR BOARD (PEEK NEMA CABINET)	EA	10	\$ 300.00	\$3,000.00
158	1/4" NAIL-IN ANCHOR/EA	EA	200	\$ 1.00	\$200.00
159	BLACKTOP PATCH	EA	50	\$ 10.00	\$500.00
160	#12 FORK TERMINALS	EA	1000	\$ 0.40	\$400.00
161	TIE WRAPS	EA	1000	\$ 0.50	\$500.00
162	#6 THHN WIRE	LF	100	\$ 1.50	\$150.00
163	SEOW OR "SO" 10-3, AWG COPPER CABLE	LF	500	\$ 1.00	\$500.00
164	HAND HOLE COVER (MAST ARM)	EA	10	\$ 300.00	\$3,000.00
165	FOUNDATION (CONTROLLER CABINET)	EA	5	\$ 500.00	\$2,500.00
166	CONCRETE PAD	EA	5	\$ 300.00	\$1,500.00
167	24"X48" CONCRETE BASE W/GROUND ROD	EA	10	\$ 800.00	\$8,000.00
168	ANCHOR BOLTS	EA	100	\$ 15.00	\$1,500.00
169	EDI, PS 200 SHELF/POWER SUPPLY	EA	5	\$ 665.00	\$3,325.00
170	EDI, TS-2 TYPE 1, BUS INTERFACE UNIT CARD	EA	10	\$ 500.00	\$5,000.00
171	MISCELLANEOUS CONCRETE	SY	100	\$ 120.00	\$12,000.00
BID SCHEDULE 2 TOTAL:					\$901,425.00
TOTAL BID					\$2,193,548.00 *
PERFORMANCE & PAYMENT BOND, IF REQUIRED PER TASK (NOT TO BE INCLUDED IN EVALUATION FOR "LOW BID")			Per \$1000		

*Bid Schedule 1 Total and Total Bid corrected to reflect unit prices.