

SCOPE OF WORK

FINANCIAL PROJECT Nos.: 444791-2-52-01

COUNTY: DESOTO

CONTRACT NO.: E1T98

PROJECT DESCRIPTION: WORK INCLUDES INSTALLING SITE LIGHTING, A TRANSFER SWITCH AND A NEW POWER SERVICE AT THE HEARTLAND OPERATIONS – ARCADIA YARD LOCATED AT 1190 WEST OAK STREET, ARCADIA, FL 34266

EXHIBIT "A"
Site Lighting Project
DESOTO COUNTY
Financial Project Number: 444791-2-52-01
Contract: E1T98

A. OBJECTIVE:

The Florida Department of Transportation (FDOT) District One hereafter referred to as the "Department" seeks to secure competitive bids from qualified vendors who are able to provide and install site lighting, a transfer switch and a new 200 amp service at the Heartland Operations – Arcadia Yard, 1190 West Oak, Arcadia, FL 34266

B. PROJECT DESCRIPTION:

The work described herein includes the installation of nine (9) site poles with fixtures, one (1) transfer switch and a new 200amp electrical service:

1. Per attachment "A" you will find the location for the 9 yard poles for a total of sixteen (16) light fixtures
 - a. There are seven (7) poles with double fixtures.
 - b. We are requesting that these poles be installed by direct bore.
 - c. The service box needs to be recessed at the base of the pole. (no exterior junction boxes)
 - d. The poles are 25' above grade.
 - e. The poles are to be bronze in color.
 - f. One (1) photocell will control the 16 new fixtures.
 - i. It is to be located at the new 200-amp service
 - g. The fixture to be used is the Beacon – Viper Large
 - i. The LED light pattern is to be determined once a contractor is awarded the project and a pre-construction meeting is held. This will allow for best use of the light for security reasons.
 - h. The fuses for each fixture will be installed at the bottom of each pole for easier service.

2. The 200-amp service is to be located on the north side of the Crew Building. (See attachment "A")
 - a. Install a 200-amp, single phase, 120/240-volt underground Thirty (30) circuit electrical service
 - b. Remove the service from the existing panel and install a metal 10"x10"x4" weatherproof box on existing electrical feed and conduit.
 - c. Refeed the existing electrical service from the new 30 circuit panel with a

- 125-amp, 120/24-volt copper circuit
 - d. The new panel is to be a Square D QOB
 - i. With spare circuit breakers
 - ii. 1 – 125-amp two pole circuit breaker
 - iii. 4 – single pole 20-amp circuit breaker
 - e. Conductors may be aluminum from pole to line side of meter socket but must be copper from load side of meter socket throughout the rest of the system
3. The automatic new transfer switch (ATS) is to be located beside the new electrical service
- a. Provide and install an ASCO Series 300 Service Entrance Power Transfer Switch
 - i. Part number: J-03AUS-A-2-0200-F-G-M
 - b. Stub conduits from the ATS
 - i. 1 – 1 ½” PVC conduit
 - ii. 2 – ¾” PVS conduit
 - c. This ATS will be used for a quick connect and disconnect for a generator we have in our inventory that can be moved around our district. The contractor will be required to supply the outlet needed to make the quick connection.

C. Submittals:

Specification sheets showing all standard and optional equipment to be supplied. should be submitted with the bid. Schematic wiring diagrams, dimension drawings, The bidder should supply, with the bid, any and all information on standard and optional equipment to be supplied, which should be highlighted, underlined, or circled to indicate exactly what the supplier intends to deliver.

D. Testing

To ensure that the project was complete and work properly a night inspection will be required. The Department will work with the contractor to schedule and perform this meeting.

E. Deliveries

Deliveries must be made between 8:00 am to 5:00 pm, Monday through Thursday, excluding state holidays, unless otherwise stated herein. Coordination for weekend deliveries must be coordinated through the Department's Project Manager. Two (2) copies of the Operation & Maintenance Manuals and installation instructions for the ATS shall be provided to the owner at the time of delivery.

F. Damaged Goods

The vendor shall be responsible for filing, processing and collecting all damage claims. The Department will not be responsible for any of the following:

1. Record any evidence of visible damage on all copies of the delivery carrier's Bill of Lading.
2. Report damage (visible or concealed) to the carrier and contract supplier, confirming such reports, in writing, within fifteen (15) days of delivery, requesting that the carrier inspect the damaged merchandise.
3. Retain the item and its shipping container, including inner packing material, until inspection is performed by the carrier and disposition given by the contract supplier.
4. Provide the vendor with a copy of the carrier's Bill of Lading and Damage Inspection Report.

G. SERVICES/MATERIALS PROVIDED BY THE DEPARTMENT

1. Review, verify, and approve receipt of services/deliverables from the vendor.
2. Submit requests for change orders/amendments/renewals, if applicable.
3. Review, verify, and approve invoices from the vendor; and, if applicable, the Certificates of Partial Payment requests, and the Certificate of Contract Completion form.
4. Maintain an official record of all correspondence between the Department and the vendor.
5. The Department will provide a staging area for the Vendor until completion of the work.

H. VENDOR QUALIFICATION

The Vendor shall maintain and keep in force throughout the life of the contract, the requirements specified below. Failure of the Vendor to comply with these requirements will be sufficient grounds for Department to declare the contract in default and terminate the agreement in accordance with the terms of B-28 Termination for Cause and Mutual Agreement of the FCO Non-Technical Specifications.

1. The Vendor shall be currently licensed by the State of Florida and or the County.
2. The organized business enterprise (e.g. corporation, LLC or sole proprietorship) shall have experience in performing the type of work required for this contract for a minimum of three (3) years.
3. The Vendor shall have in his employ a licensed Master Electrician to oversee the work.
4. All journeyman electricians performing work on this contract shall be

licensed in accordance with the laws of the State of Florida.

5. The Vendor shall have a current and valid Occupational License/Business Tax Receipt which states the name of the Vendor, street address of the business and the type of work that the Occupational License/Business Tax Receipt is issued for (which must be for the same type of services required in the contact).

I. GENERAL INFORMATION

1. If a permit is deemed to be required for the service above, the Vendor will be responsible for the procurement of the permit from the local agency having jurisdiction.
2. All work shall be done in accordance with the current National Electrical Code (NEC) and Hardee County codes.
3. The Vendor shall be responsible for maintaining a safe and secure worksite for the duration of the work. The Vendor shall maintain all work and staging areas in a neat and presentable condition. Upon completion of assigned work, the Vendor shall daily collect and remove all debris and trash caused by the work and dispose of it properly. Cleanup shall be performed to the satisfaction of the Department. The area around the worksite shall be kept clean and free from debris daily during the progress of work. The Vendor shall immediately notify the Department of any damages to the facilities as a result of the Vendor's operations.
4. The Vendor shall be solely responsible for furnishing all labor, materials, equipment, tools, transportation and supervision and for performing all work as required to complete the work of this project as described. The Vendor, sub-vendors or any of their employees shall not perform any work that is beyond their technical capabilities or for which they are not licensed or certified.
5. Power outages are to be scheduled as to not interfere with normal Department of Transportation (DOT) business.
6. Before any work is begun, wiring diagrams, equipment, materials list and schedules shall be submitted to the Department for approval.
7. At the conclusion of the project, provide a written certification to the Department that all work has been provided in accordance with the Contract Documents and a written warranty against the occurrence of defective materials and workmanship. All standard manufactures and installation warranties apply.
8. The Vendor shall provide the Department with contact information for all key personnel directly related to the project. The Department shall be notified immediately orally or written of any changes to the contact information.

9. Any under ground boxes used on this project will be high impact boxes with high impact lids.
10. All PVC will be scheduled 80, all fittings will be glues
11. Pull strings will be installed at all junctions and service boxes
12. The contractor is responsible for making all repairs to and demolition needed to complete this job.
 - a. This includes but not limited to:
 - i. Landscaping (sod, flower beds, mulch)
 - ii. Asphalt/ concrete (driveways, sidewalks)
 - iii. Block walls (painting)
13. This is a turn key project all materials and labor are to be included to complete this project.

J. WORK AUTHORIZATION: No work will be done until a Notice to Proceed (NTP) is issued by the Project Manager.

K. BASIS OF PAYMENT:

Partial payments may be made for percentages or stages of work completed upon approval of Project Manager. See Non-Technical Specifications and Exhibit "B" Method of Compensation for other terms of payment.