

Pre-bid questions and answers for:

FPN: 407233-5-52-01

Contract #: T7132

Let Date: 04/25/12

Below are the pre-bid questions and answers. We appreciate your patience and look forward to your favorable bids.

Submitted 03/19/12:

1. Question: How do i obtain the bid documents?

Response: (3/19/12): In order to receive bid documents for this contract please visit the following website and follow the instructions posted there:

<https://www3.dot.state.fl.us/ContractProposalProcessingOnlineOrdering/>

Submitted 4/12/12:

2. Question: According to the ventilation design presented in the drawings for the 336S cabinets on this project and the fans that they have been chosen for use, the air flow with these fans goes in the opposite direction from the intended design. Will the Department consider 4-100cfm muffin fans instead of the squirrel cage type fans that are called out in the specs? This will allow for 400 cfm of airflow in the proper direction (according to the spec drawings provided).

Response: (4/17/12): During construction, according to Section 4-3.9 Cost Savings Initiative Proposal, the contractor may propose box fans in different configurations as long as the cooling requirements are met. Please be advised that electrical load calculations allocated a total of 60 watts for ventilation per cabinet. Adding additional fan load above 60 watts will increase the power draw per cabinet, which the contractor needs to take into account in the electrical system. Please note, the intent of the squirrel fans (also known as impeller fans) was to efficiently move air inside the cabinet. Squirrel fans, configured as shown in the plan details, would pull the air up and blow it horizontally (left and right) at the top of the cabinet. The air stream can then be funneled along the right and left inside surfaces of the cabinet. In addition, these type of fans can handle higher static pressures.

Submitted 4/13/12:

3. Question: The top view on plan sheet IT-125 of the ITS plans details a pole mount 336S cabinet and a separate battery cabinet, ground mounted to the concrete pad. Note 16 states "All DMS electronics shall be housed in pole-mount 336S ITS cabinet. Only DMS backup batteries shall be housed in the ground-mount cabinet." We understand that that

the DMS control components, the UPS and the batteries cannot be separated in different cabinets away from one another; meaning they must be located within the same cabinet. We propose housing all DMS equipment and UPS batteries in the ground mount cabinet and all other ITS equipment in the 336S pole mount cabinet.

Response: (4/23/12): The intent of the design is to house the electronics in the 336S cabinet with the closed ventilation system to protect the electronics from the corrosive environment near salt water. If the proposed electronics cannot fit inside a 336S cabinet (which will be verified during shop drawing submittal review), the contractor may: 1. As a preferred first choice, the contractor may install the main power panel inside the battery cabinet. The 336S cabinet will still require a cabinet power panel. 2. As a second less preferred choice, the contractor may install the UPS electronics inside the battery cabinet. The power panel may be installed in either cabinet.

4. Question: Please provide the minimum requirements for pay item 781-11-232, as noted on sheet IT-148, inclusive of pixel pitch, number of lines, number of characters per line, matrix size and LED type. There is not a reference in the plans or in the specification.

Response: (4/23/12): DMS pay item 781-11-232 is a front access, amber color, full matrix, 18 rows, 90 columns, pixel pitch approximately 66 mm (seven pixel = 18").

5. Question: Please provide the minimum requirements for pay item 781-11-214, as noted on sheet IT-148, inclusive of pixel pitch, number of lines, number of characters per line, matrix size and LED type. There is not a reference in the plans or in the specification.

Response: (4/23/12): DMS pay item 781-11-214 is a walk-in, full color, full matrix, 54 rows, 210 columns, pixel pitch ≤ 35 mm.

Submitted 04/17/12:

6. Question: Who will be supplying the Power Monitor Cabinets and what is inside of them?

Response: Question submitted after cutoff. No response required.

Submitted 04/19/12:

7. Question: Supplemental One includes Specification Section 7-11.7 Preservation of Property ITS - this spec seems to transfer the responsibility for Maintaining the existing ITS system to the Contractor, with steep financial penalties for the failure to do so. Question #1 - Is this intent of this Contract ? Question #2 - Since, the Owner is providing the permanent ITS devices, will the Owner also provide the ITS devices needed to perform maintenance on the existing ITS system? Question #3 - Does the Owner have spares for use in the ITS maintenance work? Question #4 - If the Owner will not provide materials, will the Owner compensate the Contractor for defective existing ITS devices

that need to be replaced or repaired? Request - In order to better gauge the costs and risks associated with maintaining the existing ITS system, We request that the Owner provide the make and model number of all existing ITS devices. Also, the Owner should specify whether these devices are covered with warranties, through the end date of this Contract.

Response: Question submitted after cutoff. No response required.

8. Question: Regarding the removal of the old Conduit support for the Fiberglass conduit, are we required to remove the anchor in the concrete or do we just leave the anchor and fill the hole with High strength Grout??

Response: Question submitted after cutoff. No response required.