

**DESIGN-BUILD
REQUEST FOR PROPOSAL**

For

**HEFT All Electronic Toll (AET)
Phase 1 & Phase 2**

Contract Number: E8J80

Financial Projects Number(s): 417544-1-52-01 & 406096-4-52-01

Federal Aid Project Number: N/A

RESPONSES TO GROUP 7

Question No. 1 Addendum No 3. added "FHWA 1273" to the Division I Specifications. Does Federal Wage Rates apply to this project and is the contractor required to submit certified payrolls?

Response: No.

Question No. 2 Will the FTE suspend tolls for construction equipment and vehicles dedicated to this project or is the DB firm responsible for all tolls?

Response: DB Firm is responsible for all tolls.

Question No. 3 Does the FTE want to keep the existing generators being removed at the 120th Street Plazas?

Response: No.

Question No. 4 Please confirm that all ramp plazas (not just new toll equipment buildings) will require a new communications rack with new fiber optic cable installed and connected.

Response: Please refer to Question #52 in Group #4 Questions.

Question No. 5 Section VI N, Signing and Pavement Marking Plans of the RFP states in the 4th paragraph, "It is intended to utilize the existing overhead sign structures where feasible". The RFP does not address sign lighting or sign lighting criteria. Where the existing overhead structures can be used are induction luminaire required for the existing sign lighting?

Response: *If the existing lighting fixtures are reusable, reuse them. If they have to be replaced, replace them with induction lighting. Submit photometrics of the new induction lighting configuration.*

Question No. 6 Section VI N, Signing and Pavement Marking Plans of the RFP states in the 5th paragraph, "The Design/Build Firm shall coordinate with MDX to determine the appropriate design criteria to apply and determine if panel replacements on the existing structures is feasible." If the panel replacement is not feasible, is the Design/Build contractor to replace the existing structure in like kind (see attached photos) or can the Design/Build Firm replace the structures with the sign structures found in FDOT index 11310 Cantilever Sign Structure or 11320 Span Sign Structure, which ever applies?

Response: *If panel replacement is not feasible on MDX sign structures, the Design/Build Firm shall coordinate with MDX to determine appropriate design criteria to apply. If panel replacement is not feasible, the Design/Build Firm should anticipate that the MDX signature sign structure be replaced in like kind (in similar concept) to the existing. See MDX's enhancement manual guidelines for more information about the concept. <http://www.mdxway.com/improvements/docs/MDX-Manual.pdf>*

Question No. 7 Per attachment #28, appendix 7, sheet 3 of 10, last sentence of bullet number 7 under HVAC System, "HVAC systems shall be provided with Modbus TCPIP communication port cards". It is our understanding that the Liebert Intlecool 2 series equipment with the dual unit controller is the basis of design for this application. Per correspondence with the Liebert equipment representative, the TCPIP communication port card is NOT an available option for this series of equipment or the controller.

A. Please provide direction with respect to communication/monitoring requirements the department wishes to utilize for the precast equipment building HVAC system, i.e is it simply room temperature and humidity or is there more?

B. Please review and revise this requirement as necessary in light of the discovery that the communication card is not an available option.

C. Is a third party monitoring system such as "IT Watchdogs" model WxGoos-1 an acceptable alternative for monitoring room temperature and humidity.

[http://www.itwatchdogs.com/DataSheets/WxGoos1\(8.5x11\)033006.pdf](http://www.itwatchdogs.com/DataSheets/WxGoos1(8.5x11)033006.pdf)

D. Is there another HVAC equipment manufacturer the department has chosen for the basis of design that DOES offer the communication card as an option.

Response: *Please see Addendum #10.*

Question No. 8 We are unable to locate a vendor in the Southeast US market and other regions, that provides Portable HARs for rent. Highway Technologies had Portable HAR units for rent but sold them due to lack of demand. Section VI L.k.1, Traffic Control Plan, of the RFP requires three (3) Portable HAR units for a period of 90 days. The RFP further states the Portable HAR units will “work in conjunction with permanent HAR already in place and operated by the Department.” With no rental market available to the Design/Build Firms, purchase is the only option. The purchase price that we have been quoted range from \$35,000 to \$65,000 each, depending on their configurations. Due to the lack of demand or a rental market, the purchase price will more than likely have to be included in the Design/Build Firm's price proposal. Given the fact budgets are tight, is the FTE sure that they need to spend between \$100,000 to \$200,000 on Portable HAR units that will only be used for 90 days and, during that 90 days, used only in a supplemental role to the permanent units already installed and working on the FTE corridor?

Response: *The FTE's existing HAR does not completely cover the HEFT corridor. The intent of the portable HAR is to provide HAR in those areas that are not currently covered and provide additional information to motorists about the conversion to AET. The FTE contacted a vendor (Street Smart Rental - St. Paul, Minnesota) willing to rent and ship portable HAR that would be significantly less costly than procuring a portable HAR. Portable HARs shall be provided during the conversion as described in the RFP.*

Question No. 9 At existing building to be reused, there is conduit for the existing security system. Will the existing conduit and boxes be used for the new security system?

Response: *No.*

Question No. 10 If new conduit needs to be installed for the security system, will this conduit be installed exposed?

Response: *Yes.*

Question No. 11 If new conduit needs to be installed, do we have to provide security conduits to all doors in the building or just to the new recorder room door?

Response: *Provide security conduits for all exterior doors of the following toll plazas: Campbell Drive NB & SB, Biscayne Drive SB, Allapattah Drive SB, Coral Reef Drive NB, SW 40th Street NB, and SW 8th Street SB to WB.*

Question No. 12 There are 4 system levels for the Square D Powerlink Panels. Which level need to be provided?

Response: *Provide Powerlink G3 (3000 Series).*

Question No. 13 Do we need to provide the configuration software for the Square D Powerlink panel?

Response: No.

Question No. 14 What kind of Square D Powerlink controllers will be required?

Response: Model G3.

Question No. 15 Will a Square D Powerlink Network Area Controller be required?

Response: No.

Question No. 16 Specifications call for data and power cables to be separated once they enter the existing buildings. Does this mean that two cable trays will be required one for data and one for power? Can a divider be installed in the cable tray to separate the data and power circuits?

Response: No. Provide a divider to separate data and power circuits.

Question No. 17 Does the automatic transfer switch need to be service entrance rated?

Response: No. There shall be a separate service breaker and a generator breaker.

Question No. 18 Attachment 32 requires the E6 cabinet to be insulated inside. What kind of insulation is required for the interior of the E6 cabinets?

Response: Insulation shall be factory installed and approved by the enclosure manufacturer.

Question No. 19 The ITS drawings provided under addendum 7 show the splice vaults next to the plazas with a 48 fiber that is not terminated. Do we have to extend this fiber into the plazas? Do we have to splice the cable at the locations shown on the ITS drawings as “unterminated”?

Response: No. You do not have to extend this fiber into the plazas. No. You do not have to splice the cable at the locations shown on the ITS drawings as “unterminated”. The plazas have already been connected to the backbone.

Question No. 20 In the RFP Site specific requirements, a 19” cable tray is required. Attachment 32 specify a 24” cable tray. Which size should be installed?

Response: Please see Addendum #10.