

Addendum #2
Contract E5N82
Brevard County Advance Traffic Management System
October 14, 2010

The Request for Proposal for the above referenced project is amended as follows:

P. Intelligent Transportation System (ITS)

5. Design and Construction Criteria

iv. Fiber Optic Network (FON)

The Design/Build Firm shall design and install a FON as stated below:

Design and install a 72-strand, 12-fiber buffer, fiber optic cable (FOC) trunkline for the Brevard County Advance Traffic Management System (ATMS) Expansion of all corridors, where applicable, as listed in Table 3 shown below. Design and install a 12-strand, 12-fiber buffer, FOC drop cable to each of the signal cabinets found within the limits of the project where drop cables do not exist already.

- Drop cables shall connect fibers 1 through 4 of the blue buffer of the FOC trunkline.
- Fibers 1 through 4 of the trunkline expressing from the west shall be spliced to fibers 1 through 4 of the drop cable.
- Fibers 1 through 4 of the trunkline expressing from the east shall be spliced to fibers 7 through 10 of the drop cable.
- Drop cables shall be terminated in patch panels that shall be installed within existing signal cabinets

Existing signal controllers shall be replaced with Ethernet capable controllers of the same make for all existing signal controllers that do not have Ethernet functionality for all signalized intersections found within the project limits awarded by this project.

Connection between Ethernet capable controllers and the MFES shall be made. All new ITS sub-systems required by this RFP for each location shall be designed to directly interface with the MFES to be located within the signal cabinet. No standalone sub-system site requiring separate power source, cabinet assembly, or ancillary components typically associated with standalone sub-system ITS sites are anticipated for this project. All fiber shall be single mode. Splice loss for Single Mode Fiber fusion splice shall not exceed a maximum bidirectional average of .10 decibel for any splice. The core diameter for Single Mode Fiber shall be 8.3 μm. In the design phase, the Design/Build Firm shall measure the link loss and summarize losses in a table. The table shall have splice loss for each direction on each fiber. The table shall be certified as matching the OTDR readings. Both the OTDR and table shall be submitted to the FDOT Project Manager. The ODTR can be submitted in paper or electronic format. The table shall be submitted in electronic format only. It shall be compatible with Microsoft Excel.

Installation of fiber optic cable shall follow the method established in Concept Plans for Sub-Project 1 (Document 1 of the OTHER DOCUMENTS provided with this RFP).

Please respond upon receipt, and direct any questions to Michelle Sloan at (386) 943-5528, or at michelle.sloan@dot.state.fl.us

Posted: October 14, 2010 @ 1:30pm

By: Michelle Sloan

Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes.