

**Response to 780000 Industry Review Comments**

\*\*\*\*\*

Andy Keel

**COMMENT:**

Pay items at the bottom of the spec do not match items shown in the "Method of Measurement".

**RESPONSE:**

The pay item request form for ITS Electrical Power Service lists the breakout of the pay item and the structure, which matches the "Method of Measurement". Some of this information has been added to the spec's "Basis of Payment" at the end.

\*\*\*\*\*

Allen W. Schrupf

**COMMENT:**

**Proposed Specification Change of 780000 Intelligent Transportation Systems – General Requirements Comments (REV 6/15/06)**

1) For 780-2 Equipment and Materials section, recommend the following inclusions:

All the software/firmware and equipment provided shall be compatible with the existing Department's SunGuide<sup>SM</sup> Software System and device drivers. No new device drivers will be developed for this project.

**RESPONSE:** Comment noted. Document not changed. Specific mention of SunGuide compatibility requirements is given in specifications where this characteristic is applicable. Not all materials within the ITS specification section require SunGuide compatibility (i.e., fiber optic cable, cabinets, poles, etc.). We continue to allow development of new device drivers for SunGuide, with the understanding that such efforts would require additional authorization and coordination with the FDOT SunGuide development Change Management Board. The specifications are not intended to spell out the policy and mechanisms for driver development.

All equipment and materials of a similar type and nature shall of the same manufacturer, model, revision, firmware, etc.

**RESPONSE:** Comment noted. Document not changed. A requirement of this type is too restrictive, as there may be instances where some degree of variety within similar device types may be desired.

Applicable Standards

All electrical materials and work shall conform to the standards of the National Electrical Manufacturers Association (NEMA), Underwriters' Laboratories (UL) installation requirements for Lightning Protection Systems and components, the Electrical Testing Laboratories (ETL), the National Electrical Testing Association

(NETA), Institute of Electrical and Electronics Engineers (IEEE) or the Electronic Industries Association (EIA), Internet Standards, National Transportation Communication for ITS Protocols (NTCIP), Motion Picture Expert Group (MPEG), Lightning Protection Institute Standard of Practice (LPI), National Fire Protection Association Standard for installation of Lightning Protection Systems (NFPA), wherever applicable or required.

All materials and workmanship shall conform to the requirements of the National Electrical Code (NEC), National Electrical Safety Code (NESC) and applicable codes of governing jurisdictions. Unless specified, all standards used for this project shall be the latest edition available effective on this project's bid date.

**RESPONSE: Comment noted. Document changed. The general reference to NEC and NESC compliance was added to the specification. Other references to industry standards are included in the specifications where those standards actually apply.**

2) For 780-3 Installations Requirements section, suggest the following expansion:

Ensure that all equipment is mounted on properly prepared surfaces adequate for the size and weight of the equipment. The placement of the equipment shall allow provision of cable and wire installation and maintenance as well as comply with the manufacturers mounting templates and installation manuals.

**RESPONSE: Comment noted. Document not changed. We believe the language now in the document, specifically, "Install ITS equipment as detailed in the plans, following the manufacturer's recommendations, and with the review and approval of the Engineer", provides the necessary safeguards to ensure proper installation on properly prepared surfaces, according to manufacturers' recommendations, etc.**

\*\*\*\*\*