

**ORIGINATION FORM**  
**Proposed Revisions to the Specifications**

**Date:**

**Specification Section:**

**Originator:**

**Articles/Subarticles:**

**Telephone:**

**email:**

**Why does the existing language need to be changed?**

**Summary of the changes:**

**Are these changes applicable to all Department jobs?    Yes            No**  
**If not, what are the restrictions?**

**Will these changes result in an increase or decrease in project costs?    Yes            No**  
**If yes, what is the estimated change in costs?**

**With who have you discussed these changes?**

**What other offices will be impacted by these changes?**

**Will this revision necessitate changes to the following:    BOE            PPM            SDG            CPAM**

**Design Standards                      List Affected Index Nos.**

**Other manual?**

**Are all references to external publications current?    Yes            No**  
**If not, what references need to be updated (please include changes in the redline)?**

**Will this revision necessitate any of the following:**

**Design Bulletin**

**Construction Bulletin**

**Estimates Bulletin**

Contact the State Specifications Office for assistance in completing this form.

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ANANTH PRASAD, P.E.  
SECRETARY

**MEMORANDUM**

**DATE:** December 22, 2014  
**TO:** Specification Review Distribution List  
**FROM:** Daniel Scheer, P.E., State Specifications Engineer  
**SUBJECT:** Proposed Specification: **SP7470000 Traffic Monitoring Site Modem.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

The changes are proposed by Michelle Young of the Transportation Statistics Office to consolidate, update and move special provisions 741, 743, 744, 745, 746, 747 and 748 into the Standards Specifications as part of the Consolidation of Products and Specifications effort undertaken within FDOT central office.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or online at <http://www2.dot.state.fl.us/SpecificationsEstimates/Development/IndustryReview.aspx> . Comments received after **January 19, 2015**, may not be considered. Your input is encouraged.

DS/ot  
Attachment

**TRAFFIC MONITORING SITE MODEM.**  
**(REV 12-22-14)**

SECTION 747 is deleted.

**SECTION 747**  
**TRAFFIC MONITORING SITE MODEM**

**747-1 Description.**

~~Install traffic monitoring site (TMS) modem in cabinet at traffic monitoring site at the location shown in the Plans.~~

**747-2 Materials.**

~~**747-2.1 General:** Use a traffic monitoring site modem currently listed on the Department's Approved Product List (APL) compatible with the other components installed at the location.~~

~~The approval process for equipment and/or materials used at a traffic monitoring site is covered in Section 748.~~

~~**747-2.2 Modem:** Provide a modem meeting the following requirements:~~

~~(a) Modem Consultative Committee International Telephone and Telegraph (CCITT), V.32 bis, V.32, V.22 bis, V.22, V.21, Bell 103 and 212A,~~

~~(b) Error correction MNP 2-4, and V.42~~

~~(c) Data compression MNP 5 and V.42 bis~~

~~(d) Operating voltage input of 8v DC to 24v DC or higher~~

~~(e) Power consumption of less than three W in active mode and less than 100mW in standby mode~~

~~(f) Dimensions of approximately 8 inches (L) by 5 inches (W) by 1 9/16 inches (H)~~

~~(g) Weight of approximately 2 pounds, shelf mounted~~

~~(h) Operating temperature range of minus 4°F to 158°F~~

~~(i) Equipped with a DB-25 female connection (RS-232 config.), 2 RJ-11 phone connections, 1/8 inch female power connection~~

~~(j) Interface speed auto-adjustable from 300 bps to 14,400 bps~~

~~Furnish and install all cables required to connect the modem to the electronics unit and telephone service junction box provided by the telephone company.~~

~~**747-2.3 Equipment Warranty:** Ensure that the Department is shown as the original owner of the components. Remove and replace any non-functioning components of the traffic monitoring site modem furnished and installed at no additional cost to the Department.~~

~~**747-2.4 Commercial Software Registration:** Ensure that the Department is registered as the end-user of software installed on the system communications.~~

**747-3 Installation Requirements.**

~~**747-3.1 General:** Install the traffic monitoring site modem in accordance with the manufacturer's recommended installation procedure, unless otherwise specified in the Contract Documents.~~

~~747-3.2 Telephone Service:~~ Furnish and install all material necessary to bring telephone service from the telephone company installed junction box to the traffic monitoring site cabinet.

#### ~~747-4 Guaranty Provisions.~~

~~747-4.1 Contractor's Responsibility:~~ Secure all guaranties that are customarily issued by the equipment manufacturers for the specific equipment included in the Contract. Ensure that the form in which such guaranties are delivered includes the provision that they are subject to transfer to the Department, and is accompanied by proper validation of such fact. Transfer guaranties at final acceptance of the work (or equipment) by the Department.

~~747-4.2 Terms:~~ Ensure that the manufacturers of the equipment stipulate the terms of guaranties when submitting a request to the Department for certification and for equipment submittal for construction projects. Include terms for a specified service performance with provisions for repair parts and labor, or for replacement. Provisions shall define the equipment "installation date" as the date for such guaranty to be in effect. For construction projects, the "installation date" is the first day of equipment "burn-in". For warehouse purchases, the "installation date" is the date of visual inspection approval, not to exceed ten days after delivery date.

~~747-4.3 Conditions:~~ When guaranty is available, ensure that a written and signed guaranty accompanies the manufacturer's billing invoice. The Engineer will sign and retain the original and provide a copy to the manufacturer. If the Contractor does not comply with the terms of the guaranty, the Department may suspend the certification. Comply with additional terms and conditions as stated in purchasing agreements.

#### ~~747-5 Method of Measurement.~~

~~747-5.1 General:~~ Measurement for payment will be in accordance with the following tasks:

~~747-5.2 Furnish and Install:~~ The Contract unit price each for traffic monitoring site modem, furnished and installed, will include all equipment, materials, and labor necessary for a complete and accepted installation.

~~747-5.3 Furnish:~~ The Contract unit price each for traffic monitoring site modem, furnished, will include all equipment, materials, plus all shipping and handling costs involved in the delivery as specified in the Contract Documents.

~~747-5.4 Install:~~ The Contract unit price each for traffic monitoring site modem, installed, will include all materials and labor necessary for a complete and accepted installation. The Engineer will supply the traffic monitoring site modem.

#### ~~747-6 Basis of Payment.~~

~~Price and payment will be full compensation for all work specified in this Section.~~

~~Payment will be made under:~~

~~Item No. 747 ——— TMS System Communications Modem —per each~~