

## **GENERAL REQUIREMENTS FOR THE EVALUATION OF TRAFFIC MONITORING SITE EQUIPMENT AND MATERIALS.**

**(REV 5-12-99) (FA 7-20-99) (1-15)**

The following new Section is added after Section 715:

### **SECTION 748 GENERAL REQUIREMENTS FOR THE EVALUATION OF TRAFFIC MONITORING SITE EQUIPMENT AND MATERIALS**

#### **748-1 Description.**

This Section describes the requirements that must be met by manufacturers, suppliers, vendors or Contractors in order to provide equipment or materials for use on traffic monitoring sites. A traffic monitoring site is defined as a site used by the Department for monitoring the volume, speed, number of axles, weight of wheels, axles or vehicles, and/or vehicular axle classification types. The site may consist of a combination of the following components, all of which must be listed on the Department's Approved Product List (APL), except as provided for below. Material and installation requirements of each component are covered in the Section listed.

| Component                 | Section |
|---------------------------|---------|
| Vehicle Sensors           | 741     |
| Speed/Classification Unit | 743     |
| Solar Power Unit          | 744     |
| Inductive Loop Assembly   | 745     |
| Cabinet                   | 746     |
| Modem                     | 747     |

#### **748-2 Traffic Monitoring Site Component Approval Process.**

The Department's Planning Office uses traffic monitoring sites to collect traffic data. Some sites are polled daily by the TranStat polling computer system using software written in "C" computer language, of modular construction written for and owned by the Department. These sites are designed so that equipment of different types may be interrogated, polled and processed with available modules, or by the addition of modules as necessary. The computer automatically polls each traffic monitoring site, tests the equipments parameters, uploads and collects the data, tests the integrity of the data, notes discrepancies and anomalies, and processes and stores the good data in the database.

Prior to the sale, purchase, use, installation or placement of any equipment or material on a traffic monitoring site, the equipment or material must be evaluated and approved by the Department's Transportation Statistics Office. This approval is not an endorsement but confirms that the equipment or material meets the Department's Specifications. Upon approval, the equipment or material is placed on the APL.

As an exception to the above, the State Transportation Planner's Office may issue a temporary permit for a specified time period and location to allow the trial use and field evaluation of new products or technology before formal approval is issued by the Department.

Any manufacturer, supplier or vendor who wishes to have their equipment or material evaluated may submit an application to the Department's Transportation Statistics Office. Application forms may be obtained from that office.

### **748-3 Marking of Approved Equipment.**

**748-3.1 Manufacturer's Identification:** All traffic monitoring site equipment furnished and/or installed is to be marked by the manufacturer with a permanently affixed ID plate or stamp, bearing the name or trademark of the manufacturer and the part number.

**748-3.2 Certification Number:** Ensure that the Florida Department of Transportation certification number is permanently affixed.

1. For electrical/electronic devices such as vehicle detectors, the manufacturer, vendor, supplier or Contractor shall permanently affix the certification number on the top front center of the electrical/electronic device with a tamper proof, water resistant label.

2. For cabinets, affix the certification number shall be permanently affixed on the inside of the cabinet door by the manufacturer, vendor, supplier or Contractor.

### **748-4 Submittal Data Requirements.**

Prior to the installation of traffic monitoring site equipment and/or materials, and within thirty days after the preconstruction conference, submit a completed Form 750-010-02, listing all equipment or hardware with certification numbers to the Engineer for approval.

The Department is not liable for any equipment or material purchased, work done or delay incurred prior to such approval.

Provide a complete operable traffic monitoring site as specified in the Contract regardless of any failure of the Department to discover or note any unsatisfactory material.