



B-4204

**Project Special Provisions**  
*(Version 06.6)*  
**Signals and Intelligent Transportation Systems**

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## 1. 2006 STANDARD SPECIFICATIONS FOR ROADS & STRUCTURES

*The 2006 Standard Specifications are revised as follows:*

### 1.1. General Requirements (1098-1)

Page 10-268, Subarticle 1098-1(H)

In the first paragraph, revise the second sentence to “Ensure service disconnects are listed as meeting UL Standard UL-489 and marked as being suitable for use as service equipment.”

In the second paragraph, revise the first sentence to “Furnish NEMA Type 3R meter base rated 100 Ampere minimum that meets the requirements of the local utility. Provide meter base with sockets’ ampere rating based on sockets being wired with minimum of 167 degrees F insulated wire.”

In the second paragraph, last item on page, revise to “With or without horn bypass.”

Page 10-269, Subarticle 1098-1(H)

Revise the second line to “Listed as meeting UL Standard UL-414.”

In the first full paragraph on page, remove the first sentence.

Revise the last paragraph to “If meter base and electrical service disconnect are supplied in the same enclosure, ensure assembly is marked as being suitable for use as service equipment. Ensure combination meter and disconnect mounted in a pedestal for underground service is listed as meeting UL Standard UL-231. Otherwise, ensure combination meter and disconnect is listed as meeting UL Standard UL-67.

Page 10-269, Subarticle 1098-1 (J)

#### **ADD new Subarticle 1098-1 (J) Performance of Warranty Repair and Maintenance**

Provide authorization to the Traffic Electronics Center of the North Carolina Department of Transportation (NCDOT) to perform all warranty repairs after project acceptance. The decision to perform warranty work at the Traffic Electronics Center by NCDOT electronics technicians or to have warranty work performed by the vendor shall be at the discretion of the State. Provide any training required by the manufacturer to authorize the Traffic Electronics Center to perform warranty work and ensure manufacturer will furnish parts to the Traffic Electronics Center for all warranty repairs at no cost to the State. In addition, ensure the manufacturer agrees to provide prompt technical support to the NCDOT electronics technicians for a period of one year after the end of the warranty period at no cost to the State. Defective parts replaced under warranty by the Traffic Electronics Center will be returned to the vendor at the vendor’s request. Provide schematics, part lists, and other documentation to perform bench repair to the Traffic Electronics Center within two weeks upon request. The Department agrees not to divulge any proprietary information in the schematics, part lists, and other documentation upon request from the vendor. After project acceptance and at the request of the State, manufacturer shall perform warranty repairs to equipment which fails during the warranty period at no cost to the State including freight costs to ship repaired equipment back to the Traffic Electronics Center. Ensure all equipment is repaired and returned to the Traffic Electronics Center within twenty-one calendar days of receipt by the manufacturer.

Page 10-269, Subarticle 1098-1 (K)

#### **ADD new Subarticle 1098-1 (K) Maintenance and Repair of Materials**

Perform maintenance (testing) on all Traffic Signal Conflict Monitors every twelve (12) months for the life of the project beginning with the initial test and every twelve (12) months thereafter. Provide the initial test date via the manufacturer’s certification or via testing prior to installation of

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the conflict monitor at an intersection. Use the ATSI Incorporated Model PCMT-2600 Conflict Monitor Tester, or an Engineer approved equivalent. Ensure that the Conflict Monitor Tester is maintained and calibrated per the manufacturer’s recommendation. Provide to the Engineer a copy of the manufacturer’s certification that the Conflict Monitor Tester is in proper working order before testing the Traffic Signal Conflict Monitors. Perform the test on the Traffic Signal Conflict Monitors per the manufacturer’s recommendation. For each Traffic Signal Conflict Monitor tested, provide two (2) dated copies of the test results: one (1) copy for the Engineer and one (1) copy for the traffic signal cabinet.

**2. ELECTRICAL REQUIREMENTS**

Ensure that an IMSA certified, or equivalent, Level II traffic qualified signal technician is standing by to provide emergency maintenance services whenever work is being performed on traffic signal controller cabinets and traffic signal controller cabinet foundations. Stand by status is defined as being able to arrive, fully equipped, at the work site within 30 minutes ready to provide maintenance services.

**3. RELOCATE EXISTING SIGN**

**3.1. DESCRIPTION**

Relocate existing signs.

**3.2. CONSTRUCTION METHODS**

As directed by the plans, relocate existing signs. Comply with Article 1745-3 Signs Installed for Signals.

**3.3. MEASUREMENT AND PAYMENT**

Actual number of existing signs, regardless of mounting method, relocated and accepted.

Payment will be made under:

Relocate Existing Sign.....Each