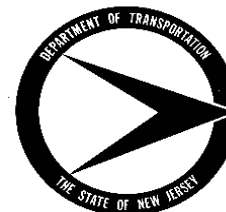


# *New Jersey Department of Transportation*

1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



## *Baseline Document Change Announcement*

**New Electrical Detail sheet T-1398M - Steel Traffic Signal and Arm details  
BDC98DS-002**

**March 9, 1999**

**Subject: Addition of Electrical Detail sheet T-1398M and Revision to Subsections 702.02 and 703.02 of the  
1996 Standard Specifications**

A new Electrical Detail Sheet T-1398M has been added and Subsections 702.02 and 703.02 of the 1996 Standard Specifications have been changed to eliminate the need for installing a separate pole when intersection lighting is needed. The new Electrical Detail sheet is based on the existing steel traffic pole detail T-1198M. The new detail features a taller (8.3 M) shaft, and an additional lighting arm for supporting a fixed luminaire.

The new sheet T-1398M includes the following:

- ◆ Combination Steel Traffic Signal Standard & Arm Details - Round or Multisided
- ◆ Alternate Pole Top
- ◆ Traffic Arm Connection Detail
- ◆ Lighting Arm Connection Detail
- ◆ Base Detail

To incorporate the revisions to the 1996 Standard Specifications, the Standard Input, SI98DOT1 has been revised as follows:

### **SECTION 702 - TRAFFIC SIGNALS**

#### **702.02 Materials and Equipment.**

##### **9. Traffic Signal Standards.**

**THE FOLLOWING IS ADDED:**

Traffic signal standards, Type SC shall consist of a modified steel traffic signal pole that shall have the capability of accommodating a 4.6 meters or 6.1 meters long lighting arm.

### **SECTION 703 - HIGHWAY LIGHTING**

#### **703.02 Materials and Equipment.**

##### **2. Lighting Standard Assemblies.**

**THE FOLLOWING IS ADDED:**

Lighting Standard Assemblies, Type L-E-S-SC shall consist of an offset type luminaire with an appropriate slip-fitter mounting adapter that shall have the capability of being installed on a traffic signal standard, "Type SC", cable connectors (fused and/or nonfused) and two color-coded No. 10 AWG wires extending from the ballast terminals of each fixture to the distribution wire in the base of the traffic signal or adjacent junction box.

**THE FOLLOWING IS ADDED TO TABLE ENTITLED "LIGHTING STANDARD ASSEMBLIES":**

L-E-S-SC-X	0	0	1	150W-HPS
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**3. Lighting Arm Assemblies.**

**THE FOLLOWING IS ADDED:**

Lighting arm assemblies designated with the letters "SA" shall consist of a steel bracket arm on a modified steel traffic signal standard, Type "SC", a luminaire, lamp, cable connectors (fused and/or nonfused), and two No. 10 AWG color-coded wires extending from the ballast terminals to the distribution wires in the adjacent junction box or the base of the standard.

**THE FOLLOWING IS ADDED TO THE TABLE ENTITLED "LIGHTING ARM ASSEMBLIES":**

L-4.6SA	4.6	1	1	150W-HPS
L-6.1SA	6.1	1	1	150W-HPS
L-4.6SA-CF	4.6	1	1	150W-HPS
L-6.1SA-CF	6.1	1	1	150W-HPS
L-4.6SA-V	4.6	1	1	150W-HPS
L-6.1SA-V	6.1	1	1	150W-HPS

**Instructions to Designers**

Where applicable to a project, a copy of Electrical Detail Sheet T-1398M must be provided in the contract plans.

A copy of the revised specifications as noted above has been provided to the Department's Technical Specifications unit with the instructions to incorporate these revisions in the Special Provisions when necessary. Therefore, the Designers need not create an insert to incorporate these changes.

**Distribution to In-House Staff and Various Public Agencies**

This BDC Announcement file can be viewed and/or downloaded from the NJDOT Web Page at <http://www.state.nj.us/transportation/>. Click on "Capital Program Management", located on the left side of the web page. When this page is loaded, select "Capital Program Management Table of Contents" and click on "Go To Selection". Click whatever document you wish to view or download. The download file is in a zip format. If you need an unzipping program, download and install the "WINZIP" or "PKZIP" program located at the bottom of the page. Do this prior to downloading any files.

Electronic Detail files can be downloaded from the NJDOT Web Page at <http://www.state.nj.us/transportation/>. Click on "CADD Support", located on the left side of the web page. Follow instructions and "Links" to get to "CADD File Download Section". Then click on "Individual Electrical Details" to get the above detail sheet.

This memorandum along with a half scale copy of the Detail Sheet T-1398M (Metric version only) will be distributed to In-House staff and various Public Agencies in accordance with the Standard Construction Details distribution list by the Document Control Unit. The hard copy distribution may be at least one month after date of this memorandum because of printing delays, so rely on the web for faster service. Please make additional copies as needed.

**Distribution to other Outside Agencies (Consultants, Contractors, etc.)**

This BDC Announcement file can be viewed and/or downloaded from the New Jersey Department of Transportation Web Page at <http://www.state.nj.us/transportation/>. See "Distribution to In-House Staff and Various Public Agencies" above for complete web page instructions.

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Hard copies of this BDC memorandum and half scale copies of Detail sheet T-1398M (Metric version only) can be obtained by contacting:

Engineering Documents Unit  
E&O Building, 1<sup>st</sup> Floor  
1035 Parkway Avenue, PO Box 600  
Trenton, New Jersey 08625  
Phone: (609) 530-5587  
Fax: (609) 530-6626

**Recommended By:**

**Approved By:**

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Brian Strizki  
Manager, Quality Services

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Russell D. Tong  
Assistant Commissioner,  
Capital Program Management

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