

## **BRIDGE DESIGN STANDARD PRACTICES**

The following standard practices were established by the Bridge Design Standard Practices Committee.

### 1. **Soils Exploration**

Article 2.1.9.1 of the Bridge Design Manual will be changed as follows in an upcoming revision:

#### **2.1.9.1 *General***

Subsurface exploration and testing programs shall be performed to provide pertinent and sufficient information for the design of substructures and retaining walls. The subsurface exploration and testing programs shall also provide pertinent and sufficient information for the design and construction of temporary support elements (sheet piling, cofferdams, soldier piles and lagging, etc.) The investigations shall conform to the Department's Soils and Foundations Guide for Design by Consulting Engineers.

### 2. **Sawed and Sealed Joints**

Articles 10.2.1.1, 10.2.1.2 and 10.2.2.2 of the Bridge Design Manual will be revised in an upcoming revision to reflect the Department's preference of joint types at abutments and piers. Asphaltic plug expansion joints should be used for all fixed joints and expansion joints with a movement of 15 mm or less.

### 3. **Working Drawings for Permanent Features**

For all items requiring the Contractor to provide designs for permanent structural features, special provisions shall be provided in the contract documents requiring the Contractor to provide Mylar copies of all design plans. These Mylar copies shall conform to the Department's standard format for structural design plans and shall be sealed by a Professional Engineer registered in the State of Connecticut. The District Project Engineer shall be responsible for forwarding these Mylar copies to the Department's Map File Room to be filed with the contract plans.