

## **567.93XXYY25 – REPLACING MODULAR SEAL FOR EXISTING BRIDGE JOINTS**

### **1. DESCRIPTION**

- 1.01 This work shall consist of furnishing and installing modular seals of the size and at the locations indicated on the plans or ordered by the Engineer.
- 1.02 The Contractor is hereby warned that the seal required to fit a particular joint may only be available from the original manufacturer of the joint.

### **2. MATERIALS**

- 2.01 The material shall meet the requirements of subsection 566-2.01.

### **3. CONSTRUCTION DETAILS:**

- 3.01 The neoprene seal shall be installed in continuous lengths spanning the entire roadway width. To ensure proper fit of the seal and increase the ease of installation, dirt, spatter or standing water shall be removed from the cavity using a brush, scraper or compressed air.
- 3.02 The Contractor shall remove the existing seals. Armored surfaces which are to be coated with adhesive shall be cleaned in accordance with SSPC-SP 6 and the cleaned surfaces will be defined by SSPC-Vis 1, Pictorial references Bsa 2, Csa 2, or Dsa 2 as applicable.

#### **3.03 SEALANT APPLICATION:**

- A. Two (2) copies of the sealant manufacturer's printed instructions shall be delivered to the Engineer at least two (2) weeks prior to the start of work.
  - 1. Prior to the application of sealant, all surfaces which will come in contact with sealant shall be completely dried and cleaned. Sealant shall be applied in accordance with the manufacturer's printed instruction.
  - 2. The Contractor shall use extreme care in applying the sealant so as not to smear the adjacent concrete surfaces, and shall immediately clean concrete surface of sealant, in the event, some of it is dropped or smeared on them.
- B. Installation of the joint sealer shall be done in accordance with the manufacturer's written instructions.

- 3.04 **WATER TIGHT INTEGRITY TEST:** After the modular seals are permanently installed, a watertight integrity test shall be performed. The test shall be done in accordance with the requirements of Subsection 567-3.01 H.

### **4. METHOD OF MEASUREMENT**

- 4.01 The measurement of this item will include the number of linear feet of joint system with modular seals completely installed, measured horizontally and vertically along the centerline of the joint system between the outer limits as indicated on the contract plans.
- 4.02 The words “completely installed” shall be interpreted to mean the modular seal in its proper position and the watertight integrity tests completed.

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**5. BASIS OF PAYMENT**

- 5.01 The unit price bid shall include the cost of all labor, materials and equipment necessary to complete the work. All work shall be done in a manner satisfactory to the Engineer.

**NOTE:**

XX – Structure Number

YY – Number of cells/modular