

**ITEM 567.51---25 - SEALING EXISTING BRIDGE DECK JOINTS**

**1. DESCRIPTION:**

- 1.01 The work shall consist of furnishing and installing rapid cure silicone joint sealant at the locations indicated on the plans or as directed by the Engineer. The work shall also include removal of the existing joint seal.

**2. MATERIALS:**

- 2.01 Silicone and backer rod supplied for this work shall be one of the following or approved equal:

- A. Bondaflex Silicone 728 RCS – as furnished by:

Bondaflex Technologies  
Clifton, NJ

- B. Dow Corning 902 RCS - as furnished by:

SS1 Construction & Industrial Materials  
4305 Rockford  
P.O. Box 50009  
Tulsa, OK 74150

- B. Wabo Two Part Silicone Sealant - as furnished by:

Watson Bowman, Acme Corp.  
95 Pineview Drive  
Amherst, NY 14428

Two (2) copies of materials details for the sealant shall be supplied to the Engineer at least ten (10) days prior to the intended use of the product.

**3. CONSTRUCTION DETAILS:**

- 3.01 **Technical Representative:** The manufacturer's recommended practices shall be strictly adhered to. An experienced technical representative employed by the manufacturer shall be present during the initial phase of preparation and material installation. The representative shall:

- a. Advise both the Engineer and the Contractor regarding proposed installation procedures to assure the silicone is installed correctly.  
b. After installation is completed, certify to the Engineer in writing that the system was installed in accordance with the manufacturer's requirements.

- 3.02 **Surface Preparation:** The Contractor shall remove existing seals (unless otherwise noted on the plans). The surfaces to receive the sealant shall be abrasive blast cleaned of all laitance, oil, grease, or any other material which may affect the bond between the silicone and its mating surface. Steel surfaces shall be cleaned to a SSPC SP-10 (Near-White Blast Cleaning).

- 3.03 **Placement:** Immediately prior to the material installation all receiving surfaces shall be vacuumed clean or air-blown clean with oil-free compressed air. No loose material of any nature shall be permitted on any receiving surface. The seal shall be placed in position in a bridge joint recess as shown on the plans or as directed by the Engineer.

- 3.04 The completed joint shall be tested and corrected in accordance with Subsection 567-3.01H "Watertight Integrity Test" or as directed by the Engineer.

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**4. METHOD OF MEASUREMENT:**

- 4.01 Payment will be made as the number of linear feet of joint completely resealed, measured horizontally and vertically along the centerline of joint system between the outer limits as indicated on the contract plans.

**5. BASIS OF PAYMENT:**

- 5.01 The unit price bid per linear foot shall include all labor, materials and equipment necessary to complete the work.