

ITEM 567.8201--25 - REPLACING PREFORMED SILICONE SEAL FOR EXISTING BRIDGE JOINTS

1. DESCRIPTION:

- 1.01 The work shall consist of furnishing and installing preformed silicone seals of the size and 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 Preformed Silicone Seal – The seal shall meet the provisions of Subsection 567-2.04 and as further defined by material specification 705-04 “Armorless Bridge Joint System with Preformed Seals”.
- 2.02 Adhesive – Same as above.
- 2.03 Basis of Acceptance – The preformed silicone seal will be accepted at the work site upon certification to the Engineer by the Contractor that the materials used are in accordance with this Specification.
- 2.04 Shop Drawings – Shop drawings will not be required unless otherwise noted in the plans or proposal.

3. CONSTRUCTION DETAILS:

- 3.01 Cleaning – The Contractor shall remove the existing seal in its entirety. The recess to receive the joint shall be cleaned in accordance with the manufacturer’s recommendations.
- 3.02 Preparation – Two copies of the seal manufacturer’s specifications and installation procedures shall be delivered to the Engineer at least two weeks prior to the start of work. The substrate shall be dry for a minimum of 24 hours prior to installation of the seal. Just prior to the application of adhesive, all surfaces to receive adhesive shall be air blown or vacuum cleaned in order to remove all loose or foreign matter. Apply adhesive to the vertical surfaces receiving the seal as per manufacturer’s recommendations
- 3.03 Installation - Install the seal as per manufacturer’s recommendations and installation procedures. Splices shall be avoided if possible. If necessary, all splices shall be located as per plan or as directed by the Engineer. All splices shall be completed with care as per manufacturer’s recommendations.
- 3.04 Watertight Integrity Test – After seal installation is complete, a watertight integrity test shall be performed by the Contractor in accordance with the requirements of subsection 567-3.04E. All action necessary to successfully complete the test shall be completed by the Contractor as described.

4. METHOD OF MEASUREMENT:

- 4.01 Measurement will be made as the number of linear feet of preformed silicone seal completely and satisfactorily installed, measured horizontally and vertically along the centerline of joint system, 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 satisfactorily complete the work.