

Item 567.7000 16 - Replacing Strip Seals for Existing Bridge Joints

Description:

The Contractor shall furnish and install strip seals of the size and at the locations indicated on the plans or ordered by the Engineer.

Strip seals are not interchangeable between steel extrusions from the various manufacturers or suppliers. The contractor shall supply a new seal from the original manufacturer or supplier of the joint.

Material:

The requirements of Section 567-2.03 shall apply.

Construction Details:

a. Contractor shall remove the existing sealer. Metal surfaces which are to be coated with adhesive shall be thoroughly cleaned of all dirt, oil, grease, seals and oxides by grinding or sandblasting. Metal surfaces after cleaning shall exhibit a clean quality of CSa2 or better, as defined by the Steel Structures Painting Council Standard SSPC Vis1.

b. Sealant Application:

Two copies of the sealant manufacturer's printed instructions shall be delivered to the Engineer at least two 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 instructions.

2. The Contractor shall use extreme care in applying the sealant so as not to smear the adjacent concrete surfaces, and he shall immediately clean concrete surface of sealant.

c. Installation of the strip seal to be done in accordance with the manufacturer's written instructions.

d. Watertight Integrity Test:

After the strip seal is permanently installed, a watertight integrity test shall be performed. The test shall be done in accordance with the requirements of subsection 567-3.01H.

Method of Measurement:

Measurement will be made as the number of meters of strip seal completely installed, measured horizontally and vertically along with the centerline of joint system between the outer limits as indicated on the contract plans.

The words "completely installed" shall be interpreted to mean the strip seal in its proper position and the watertight integrity test completed.

Basis of Payment:

The unit price bid per meter shall include all labor, materials and equipment necessary to complete the work.