

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
Bridge conduit system (B or Str. No.)	Lump sum
Bridge lighting system (B or Str. No.)	Lump sum

SECTION 420—PREFORMED ELASTOMERIC JOINT SEALER

420.01—Description.

This work shall consist of furnishing and installing preformed elastomeric joint sealer in accordance with these specifications and in reasonably close conformity with the lines shown on the plans or as established by the Engineer.

420.02—Materials.

Material for preformed elastomeric joint sealer and lubricant adhesive shall conform to the requirements of Section 212. The joint sealer (to serve both as a filler and a sealer) shall be furnished in the form of an extruded compartmented tube.

420.03—Procedures.

- (a) **Preparation of Joint:** The joint shall be formed to provide the nominal opening at the specified temperature as shown on the plans. Sides of the joint shall be parallel to each other. Edges of concrete or epoxy mortar adjacent to the joint shall be rounded to a radius of not more than 1/4 inch. A joint having an insufficient opening may be required to be sawed or ground to the proper size. If a joint opening is larger than specified, the Contractor may furnish a larger-size sealer up to 4 inches in its uncompressed width as determined by the Engineer. If the joint opening is larger than that which will accommodate the larger sealer, the end of the slab shall be cut back at least 6 inches and rebuilt with Class A4 concrete to obtain the required joint opening. The cost of such additional work or material shall be borne by the Contractor unless designated in the Contract as a pay item.

Before placement of sealer, the joint shall be thoroughly cleaned by brushing, compressed air, or other means so that it is free from dust, oil, grease, or other foreign materials.

- (b) **Installation:** Sealer shall be installed using methods and procedures recommended by the manufacturer of the sealer. A lubricant adhesive shall be used. During installation, the sealer shall not be subjected to length-

wise stretching. The length to be installed shall be measured prior to installation and cut or marked to indicate the installed length.

No splices will be permitted in joint sealers for lengths less than 50 feet. For lengths greater than 50 feet, one splice will be permitted for each additional 50 feet. Splices shall be made by the manufacturer at the manufacturing plant. Longitudinal joint sealers may be field spliced where intersected by transverse joints. Field splices shall be sealed with a sealant recommended by the manufacturer.

The top surface of the sealer after installation shall be $3/8 \pm 1/16$ inch below the surface of the adjacent roadway.

420.04—Measurement and Payment.

Preformed elastomeric joint sealer, when a pay item, will be measured in linear feet along the pavement surface from out to out of the deck slab, complete-in-place, and will be paid for at the contract unit price per linear foot. When not a pay item, the cost thereof shall be included in the price for other appropriate pay items.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
Preformed elastomeric joint sealer (Width)	Linear foot

SECTION 421—ELASTOMERIC EXPANSION DAMS

421.01—Description.

This work shall consist of furnishing and installing elastomeric expansion dams in accordance with these specifications and in reasonably close conformity with the lines, elevations, and locations shown on the plans or as established by the Engineer.

421.02—Materials.

Materials shall conform to the requirements of Section 212.

421.03—Procedures.

Working drawings showing the complete details and dimensions of the dam and other pertinent information, such as required special shop fabrication necessary for