These prices shall include preparing surfaces and preservative treatment.

Payment will be made under:

Pay Item	Pay Unit
Lumber (Treated or untreated)	MFBM
Painting timber structures	Lump sum

SECTION 419—BRIDGE CONDUIT SYSTEMS AND LIGHTING SYSTEMS

419.01—Description.

This work shall consist of furnishing and installing a bridge conduit system and a bridge lighting system in accordance with these specifications and in reasonably close conformity with the lines and details shown on the plans or as established by the Engineer.

419.02—Materials.

Conduit, boxes, and fittings shall be as specified in Section 238.

419.03—Procedures.

The Contractor shall verify or locate the origin of power sources when modifying or relocating existing electrical systems and shall advise the Engineer at least 48 hours prior to the anticipated time of de-energizing the electrical system. Workmanship shall conform to the standards of NEC and the requirements of the local power company.

Conduit, fittings, and electrical items shall be installed in accordance with the requirements of Section 700.

419.04—Measurement and Payment.

Bridge conduit systems, when a pay item, will be paid for at the contract lump sum price per structure. When not a pay item, the cost thereof shall be included in the price for other appropriate pay items.

Bridge lighting systems will be paid for at the contract lump sum price per structure.

Payment will be made under:

Pay Item	Pay Unit
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-