

SIDEWALK EXPANSION JOINT

****From Lyndon BF MEMB(39)**

xx. DESCRIPTION. This work shall consist of furnishing and installing expansion material in bridge side walk expansion joints, at the locations indicated in the plans and as directed by the Engineer.

The work under this Section shall be performed in accordance with these provisions, the Plans, and Section 524 of the Standard Specifications.

xx. MATERIALS. Materials shall meet the following requirements:

(a) Expansion Material. Expansion material shall be a two-component, low-modulus, self-leveling, elastic sealant, gray in color, with the following physical properties:

- (1) Joint Elongation - 600% min. in accordance with ASTM D5329.
- (2) Joint Modulus - 100% extension, 15 psi max. in accordance with ASTM D5329.
- (3) Cure Elevation - Pass @ 4 hours max. in accordance with ASTM D5893.
- (4) Ultimate Elongation - 1000% min. in accordance with ASTM D412 Die C.
- (5) Stress @ 150% Elongation - 25 psi max. in accordance with ASTM D412 Die C.
- (6) Shore Hardness, 00 - 40-80 in accordance with ASTM C661.

(b) Backer Rod. Backer rod shall meet the requirements of Subsection 707.04(c).

xx. CONSTRUCTION REQUIREMENTS. Prior to installation of expansion material and backer rod, the existing expansion joint material and hardware shall be removed. Existing anchor bolts shall be cut off flush with the concrete surface.

xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Sidewalk Expansion Joint) to be measured for payment will be the number of meters (linear feet) of expansion joint installed in the complete and accepted work. Measurement will be within the limits specified in the Plans.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Sidewalk Expansion Joint) will be paid for at the Contract unit price per meter (linear foot). Payment will be full compensation for removing existing expansion joint material and hardware; furnishing, transporting, and placing the materials specified; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Payment will be under:

Pay Item

Pay Unit

900.640 Special Provision (Sidewalk Expansion Joint)

Meter
(Linear Foot)