

SECTION 1026—NEOPRENE STRIP SEAL DAM

1026.1 DESCRIPTION—This work is the furnishing and installation of neoprene strip seal expansion dam for bridge joints, including the necessary fabricated structural steel.

1026.2 MATERIAL—

(a) **General.** Use a prequalified fabrication shop as specified in [Section 1105.01\(a\)](#).

(b) **Structural Steel.** [Section 1105.02\(a\)2](#), painted as specified in [Section 1060](#) or hot-dip galvanized as specified in [Section 1105.02\(s\)](#). The galvanization in the retainer extrusion must be of uniform thickness and free of excessive build-up, which would hinder the installation of the seal. Have the expansion dam fabricator demonstrate that the seal can be installed properly before shipment.

(c) **Anchor Bolts and Washers.** [Section 1105.02\(c\)](#)

(d) **Studs.** [Section 1105.02\(e\)](#)

(e) **Neoprene Strip Seal and Lubricant Adhesive.** [Section 705.4\(d\)](#), from a manufacturer listed in [Bulletin 15](#).

1026.3 CONSTRUCTION—Construct as shown on the [Standard Drawings](#) and as follows:

Before fabrication, submit shop drawings, as specified in [Section 105.02\(d\)](#), showing complete details, dimensions, size, and type of seal as well as other information and data necessary for the complete fabrication and erection of the dam.

Before installing the seal, clean metal surfaces in direct contact with the seal to remove foreign material and to provide for proper bond between the seal and the metal surfaces. Clean as specified in [Section 1071.3\(c\)1](#).

Do not splice the seal, unless indicated. If splices are indicated, use splices vulcanized by the manufacturer.

If stretching of the seal during installation is unavoidable, do not exceed 5% elongation.

The Department will not accept cocked or twisted seal installation.

Remove and replace seals that are damaged during installation.

1026.4 MEASUREMENT AND PAYMENT—Meter (Linear Foot)

For the movement specified.

Measured out-to-out along the centerline of the exposed surfaces of the seal and the steel plates, including sidewalks if applicable, following the vertical and sloped faces of curbs and barriers, resulting in a true length, not a horizontally projected length.