

BRIDGE EXPANSION JOINT AND COVER ASSEMBLY

**\*\*From Swanton STP ST MHTB(1)**

- xx. DESCRIPTION. This work shall consist of furnishing and installing bridge expansion joint and cover assemblies 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 516 of the Standard Specifications.

- xx. MATERIALS. The Contractor shall provide prefabricated expansion joint cover assemblies (PD Series) as manufactured by Nystrom Building Products [Tel.: (800) 547-2635], or approved equal.

Other acceptable manufacturers, subject to full compliance with the requirements, are as follows:

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|-----|---------------------------------|--|
| (1) | American Safety Tread Co., Inc. | P.O. Box 611<br>Helena, AL 35080<br>Tel.: (800)245-4881        |
| (2) | Amstep Products                 | 190 Century Drive<br>Bristol, CT 06010<br>Tel.: (800)457-0869  |
| (3) | Armstrong Products, Inc.        | P.O. Box 979<br>Guthrie, OK 73044<br>Tel.: (800)278-4279       |
| (4) | Balco/Metalines, Inc.           | 2626 S. Sheridan<br>Wichita, KS 67217<br>Tel.: (800)767-0082   |
| (5) | Safe-T-Metal Co.                | P.O. Box 1182<br>Syracuse, NY 13201<br>Tel.: (800)886-7238     |
| (6) | Wooster Products, Inc.          | 1000 Spruce Street<br>Wooster, OH 44691<br>Tel.: (800)321-4936 |

The Contractor shall submit product data for the expansion joint and cover assembly specified, including manufacturer's product specifications, installation instructions, details of construction relative to materials, dimensions of individual components, profiles, and finishes.

- xx. LOADING. The expansion joint and cover assembly shall be capable of supporting a minimum live load of 4070 Pa (85 psf).

- xx. CONSTRUCTION REQUIREMENTS. Perform cutting, drilling, and fitting required to install expansion joint covers. Install joint cover assemblies in true alignment and proper relationship to expansion joints and adjoining finished surfaces, measured from established lines and levels. Allow adequate free movement

10/1/2012

for thermal expansion and contraction of metal to avoid buckling. Locate cover assembly to be in continuous contact with adjacent surfaces. Securely attach in place with required accessories. Locate anchors at interval recommended by manufacturer, but not less than 75 mm (3 inches) from each end and not more than 600 mm (24 inches) on center.

xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Bridge Expansion Joint and Cover Assembly) to be measured for payment will be the number of meters (linear feet) installed in the complete and accepted work.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Bridge Expansion Joint and Cover Assembly) will be paid for at the Contract unit price per meter (linear foot). Payment will be full compensation for furnishing and installing the materials specified, and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.640 Special Provision (Bridge Expansion Joint and Cover Assembly)	Meter (Linear Foot)