Strip Joint Seal Assembly – Maximum Movement Rating = 4 inches

XS Sheet Numbers
XS8-010

Description of Component
The strip joint seal assembly can accommodate longitudinal movements and some limited movements in the transverse direction.

Standard Drawing Features
The strip joint assembly consists of two edge beams with anchor studs and the elastomer gland (one joint cell). The assembly is placed in recesses over joint openings.

Design/General Notes
A minimum joint opening at installation “W” is given by the formula:

\[ W \text{ (inches)} = \frac{1}{2} \text{ inch} + \left[ (\text{Max Str. Temp. in } ^\circ\text{F}) - (\text{actual Str. Temp. in } ^\circ\text{F}) \right] \times (\text{ac or as}) \times 12 \times \text{(contributory length in feet)}, \text{ and minimum } W = \frac{1}{2} \text{ inch} \]

where, \( \text{ac} = 0.0000060 \) and \( \text{as} = 0.0000065 \) are the thermal expansion coefficients for concrete and steel respectively.

Contract Specifications
Current Standard Specifications are available from the Division of Engineering Services (51-2 Joints)

Restrictions on Use of Standard Drawings
The Strip Joint Seal Assembly may be used for Movement Rates (MR) up to 4 inches regardless the skew at joint location.