

**STRUCTURAL DRAWINGS AND DETAILS**  
**Instructional Memorandum 723-SSJ**  
**Strip Seal Expansion Joint Details**  
June 26, 2024

**General**

Strip seal expansion joint details are available for bridges where the compression seal joint is not applicable. This standard drawing provides the details and information that are included in the construction plans for bridges with strip seal expansion joints. In addition, a standard drawing is also available for a preformed silicone joint system that should be included in the plans, when appropriate, as an alternate to the strip seal details.

**Instructions to Designer**

The Engineer must determine if the strip seal expansion joint details are adequate for project specific use. At a minimum, consider the following items:

- On the “Strip Seal Expansion Joint Details” sheet, delete “Part Plan – Cover Plate At Sidewalk” and “Elevation Along Joint at Sidewalk” details if the bridge does not have sidewalks. If the bridge has sidewalks and no barrier parapet, delete “Elevation Along Joint at Barrier Parapet” and “Section A-A” details.
- On the “Strip Seal Expansion Joint Details” sheet, fill in the Movement Table and fill in the appropriate designation of the strip seal.
- If there is a preformed silicone joint seal option that will accommodate the required joint movements provided on the “Strip Seal Expansion Joint Details” sheet as well as the project geometry, include the “Preformed Silicone Joint System Alternate” sheet in the plans immediately following the “Strip Seal Expansion Joint Details” sheet. Fill in the appropriate designation of the seal. If the bridge has sidewalks, update the sheet to include the sidewalk details provided on the “Preformed Silicone Joint System Alternate, Supplemental” sheet.
- Wherever “X” or “#” is used, replace with project specific values.
- For bridges with skews, update the details for the skewed condition.





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Department of Transportation

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**Applicable Drawings**

<b>DGN File Name</b>	<b>Drawing Number</b>	<b>Sheet Title</b>
723-STRIP_SEAL_DETAILS	723-01.SSEXPJT	Strip Seal Expansion Joint Details
	723-02.PSJTALT	Preformed Silicone Joint System Alternate
	723-02.PSJTALT.SUP	Preformed Silicone Joint Details for Sidewalk, Supplemental

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