GENERAL AND FABRICATION NOTES:

1. Furnish Poured Joint with Backer Rod Expansion Joint Systems in accordance with Specification Section 932 and that are listed on the Qualified Products List. Furnish joint systems consisting of Poured Joint Material, Foam Backer Rods, Sidewalk Cover Plates (as required) and all associated miscellaneous components. Poured Joint Material shall be an ultra-low modulus, self-leveling silicone formulation, cold-cured, rapid-cure, used in section expansion joints that experience both thermal and/or vertical movements. The Poured Joint Material must cure by chemical reaction and not by evaporation of solvents or fusing of hard particles. Tailing of the Poured Joint Material shall not be required. Poured Joint Material shall meet the following requirements:

<table>
<thead>
<tr>
<th>Property or Characteristic</th>
<th>Test Method</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extraction rate</td>
<td>MIL S 8802</td>
<td>3.3 – 9.2 g/s</td>
</tr>
<tr>
<td>Tack-Free time at 77 ± 3°F and 45 to 55% Relative Humidity</td>
<td>MIL S 8802</td>
<td>30 – 60 minutes</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>ASTM D 792, Method A</td>
<td>1.26 to 1.34</td>
</tr>
<tr>
<td>Elongation (Cured seven days at 77 ± 3°F and 50 ± 5% Relative Humidity)</td>
<td>ASTM D 412 (Spec C)</td>
<td>600% Minimum</td>
</tr>
<tr>
<td>Movement Capability</td>
<td>ASTM C 719</td>
<td>No adhesive or cohesive failure and adhesion, 10 cycles at 100/80°F (Joint 2” wide)</td>
</tr>
</tbody>
</table>

2. Furnish 1/4” thick slip resistant steel Sidewalk Cover Plates in accordance with ASTM A706, Grade 36 or 50, with a minimum specified yield strength of 60 ksi in a dry condition as determined by ASTM F1677 or F1679 and 6.68 ksi in a wet condition as determined by ASTM F1679 or ASTM F1677 (respectively) that incorporate an internally steel surface consisting of a random hatch matrix or other suitable pattern and that are listed as slip resistant by Underwriters Laboratories. Do not use diamond plate or surface applied slip resistant tapes, films, nonmetallic coatings or other similar materials. Furnish Railhead Stainless Steel Sleeves Anchors in accordance with ASTM F593 Group 1 Alloy 304 for attaching Sidewalk Cover Plates. Install Sleeve Anchors in accordance with manufacturer’s recommendations.

3. Hot-dip galvanize Sidewalk Cover Plates after shop fabrication in accordance with Section 962 of the Specifications and manufacturer’s recommendations.

4. Submit shop drawings for Sidewalk Cover Plates (as required) showing all materials and project specific details and dimensions.

5. Manufacturers seeking approval of Poured Joint with Backer Rod Expansion Joint Systems for inclusion on the Qualified Products List as pre-approved designs must submit application along with design documentation showing the expansion joint meets the specification, geometric and material requirements specified herein.

CONSTRUCTION AND INSTALLATION NOTES:

1. When casting the Bridge Deck Approach Slab or Raised Sidewalk adjacent to the joint at temperatures other than 70°F, adjust “A” at 70°F by the amount of the adjustment per 10°F shown in Structures Plans, Poured Expansion Joint Data Table. For temperatures above 70°F decrease the opening, for temperatures below 70°F increase the opening.

2. Install Poured Joint with Backer Rod in accordance with manufacturer’s recommendations, when the joint opening is between 1/8” and 25/64” and after deck profiling and grooving operations are completed. Place Poured Joint Material only when the ambient temperature is between 55°F and 85°F and is expected to rise for the next three hours minimum to provide for adequate joint opening and compression of the Poured Joint Material during curing.

INSTRUCTIONS TO DESIGNER:

Allow for a minimum (fully closed) opening of 50% of dimension “A” and a maximum opening of “A” measured in the direction of travel.

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POURED JOINT WITH BACKER ROD EXPANSION JOINT SYSTEM

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DIM. "A" @ 70°F (Typ.)

Poured Joint Material

Foam Backer Rod

Bridge Deck, Approach Slab, Raised Sidewalk or Traffic Separator

Approximate shape of traffic separator with Poured Joint

TYPICAL SECTION THRU JOINT

PARTIAL SECTION ALONG & JOINT
J OINT TREATMENT AT TRAFFIC SEPARATOR

Poured Joint Material

Traffic Separator (Type and width vary, see Structures Plans)

Bridge Deck or Approach Slab

Approximate shape of Traffic Separator with Poured Joint

Several views of the joint treatment are provided:

PARTIAL SECTION ALONG & JOINT
J OINT TREATMENT AT HIGH SIDE OF DECK WITH SLOPES 2% OR LESS

Poured Joint Material

Slope, Varies

Bridge Deck or Approach Slab

Approximate shape of Traffic Separator with Poured Joint

TOP VIEW

PARTIAL SECTION ALONG & JOINT
J OINT TREATMENT AT LOW SIDE OF DECK OR HIGH SIDE OF DECK WITH SLOPES < 2%