**Table of Sealed Expansion Joint Information**

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Steel Section</th>
<th>Joint Type</th>
<th>Joint Width</th>
<th>Joint Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.S. Brown</td>
<td>Type SSCM2</td>
<td>A2R-400</td>
<td>15°</td>
<td>A2R-XTRA</td>
</tr>
<tr>
<td>D.S. Brown</td>
<td>Type SSCM2</td>
<td>SF-500</td>
<td>2&quot;</td>
<td>SF-500</td>
</tr>
</tbody>
</table>

**Reduced Longitudinal Movement Range**

- **Jnt Size:** R
- **D** (deg): 6.0° x 5.0"
- **13:** 6.0° x 5.0"
- **26:** 3.5° x 4.3"
- **48:** 2.0° x 3.3"

**Design Notes:** Joints installed on a skew have reduced ability to accommodate longitudinal movement. Use table values to determine the correct joint type for each installation. In sections where skew is more than 35°, calculate reduced movement range by multiplying joint size by cosine of skew.

**Construction Notes:**

1. Remove all burs which will be in contact with seal prior to making splice.
2. Shape of steel section shown is typical. Variations in other sections must be noted by the Engineer.
3. These openings are also the recommended minimum installation openings.
4. Reduce for sideways or parallel heights less than 8".
5. Other conditions affecting the joint profile should be noted elsewhere.
6. Move transverse bars that are in conflict with SEJ studs, in either the bridge side or approach side, to rest at the junction of the slab.
7. See spam details for location of break joint.
8. Align all transverse bars perpendicular to joint.

**Fabrication Notes:** Temporarily shop assemble corresponding sections of sealed expansion joints (SEJ), check for fit, and match marks for shipment. Secure corresponding sections together for shipment with shipping angle. Do not use erection bolts.

**General Notes:**

- Paint the entire steel section with System II or IV primer in accordance with Item 446, "Field Cleaning and Painting Steel" unless specified in the plans. Provide paints in accordance with Item 488, "Field Cleaning and Painting Steel".
- Provide cored paint coatings in accordance with Item 446, "Field Cleaning and Painting Steel".
- Provide paints in accordance with Item 446, "Field Cleaning and Painting Steel".
- Paint the entire steel section with System II or IV primer in accordance with Item 446, "Field Cleaning and Painting Steel".
- Prepare steel and apply paint in accordance with Item 446, "Field Cleaning and Painting Steel".
- Provide paints in accordance with Item 446, "Field Cleaning and Painting Steel".

**Sealed Expansion Joint Type M Without Overlay**

- **Angular Sections:** Show the entire angular section of the seal when required to rest at the junction of the studs.
- **Seal Type:** Cope as required to provide 3" Min clear cover. Field splices may require adjustment.
- **Traffic Side:** Bend studs as shown when depth of CIP concrete is less than 7½" at joint location.

**Shipping Angle:** An alternate method of securing joint sections may be used if approved by the Bridge Division. Erection bolts are not allowed.

**Plans of End Conditions:**

- **Without Open Deck Joint:** Adjacent to median barrier.
- **With Open Deck Joint:** Below median barrier.
- **With Open Deck Joint:** Adjacent to median barrier.

**Typical Sections:**

- **Section Thru Watson Bowman ACGM (SE-400 or SE-500) Joints**
- **Section Thru D.S. Brown (A2R-400 or A2R-XTRA) Joints**

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**Notes:**

- **Medial Barriers:** Not anchored to slab.
- **SEJ Section:** Cast or install barrier as detailed in Item 445, "Galvanizing".
- **Steel Section:** Use Item 446, "Field Cleaning and Painting Steel" unless otherwise noted.
- **Joint Type:** Paint the entire steel section with System II or IV primer in accordance with Item 446, "Field Cleaning and Painting Steel".
- **Joint Opening:** Paint the entire steel section with System II or IV primer in accordance with Item 446, "Field Cleaning and Painting Steel".
- **General Notes:** Provide cored paint coatings in accordance with Item 446, "Field Cleaning and Painting Steel".
- **Weld Limits:** Include cost of temporary bracing in the price bid for sealed expansion joint.

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**Texas Department of Transportation Bridge Standard**

**SEJ-M**