General Notes

1. \( T \) = Slab thickness.

2. Begin placing deformed rebar and/or smooth bars beginning 6 inches [150] from the edge of pavement or as specified. For longitudinal joints, place rebar perpendicular to joints, for transverse joints, place rebar parallel to the direction of travel.

3. When transverse joints do not fracture in the joint at the edge of the slab, saw depth may be increased as approved by the engineer at no additional cost to the department.

4. Some joint sealants such as liquid joint sealants may require a 3/16" [5] final joint width. For those conditions it is acceptable to make the initial saw cut width 3/16" [5].

5. Type K, Pave-Thru Expansion Joints including the required sleeper slab and appurtenances may be substituted for Type E Expansion Joints at the contractor's expense. Provide 24 Gauge [0.7 thick] galvanized sheeting that meets the requirements of ASTM A653, coating designation G90. Cover the entire sleeper slab with the sheeting, acting as a bond breaker. Saw cut or form a full depth joint 1-1/2 inches [38] wide. Do not cut into the galvanized sheet.

6. Joint sealants such as liquid joint sealants may require a 3/16" [5] final joint width. For those conditions it is acceptable to make the initial saw cut width 3/16" [5].

7. Saw cut or form a full depth joint 1-1/2 inches [38] wide. Do not cut into the galvanized sheet.

8. Joint sealants such as liquid joint sealants may require a 3/16" [5] final joint width. For those conditions it is acceptable to make the initial saw cut width 3/16" [5].

9. Joint sealants such as liquid joint sealants may require a 3/16" [5] final joint width. For those conditions it is acceptable to make the initial saw cut width 3/16" [5].

Note: Units shown in brackets [ ] are metric and are in millimeters (mm) unless other units are shown.
Joint Seal Notes

- Use the joint sealant type as specified in the contract.
- Seal type "E" joints with silicone seal.
- Tape or close joint ends as approved by the engineer to prevent loss of joint sealant.
- Seal Type K Pave-Thru Expansion Joints with a compression joint material which is closed-cell, cross-linked, low-density polyethylene copolymer, nitrogen blown resilient foam material with an ultraviolet stabilizer. Recap the compressed joint material 1/4 inch [6] below the top of the concrete pavement. Splices shall be beveled 45 degrees and butted together.

### Non-Sag Silicone Sealant Joint Dimensions

<table>
<thead>
<tr>
<th>Original Saw Cut</th>
<th>Width of Saw Cut</th>
<th>Depth of Saw Cut</th>
<th>Sealant Thickness</th>
<th>Backer Rod Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>IN</td>
<td>mm IN</td>
<td>mm</td>
<td>mm</td>
<td>mm IN</td>
</tr>
<tr>
<td>LESS THAN 3/8</td>
<td>10</td>
<td>1.12</td>
<td>0.14</td>
<td>0.6</td>
</tr>
<tr>
<td>3/8</td>
<td>10</td>
<td>1.12</td>
<td>0.14</td>
<td>0.6</td>
</tr>
<tr>
<td>1/2</td>
<td>16</td>
<td>0.34</td>
<td>0.24</td>
<td>0.8</td>
</tr>
<tr>
<td>5/8</td>
<td>19</td>
<td>0.76</td>
<td>0.38</td>
<td>1.0</td>
</tr>
<tr>
<td>3/4</td>
<td>19</td>
<td>0.76</td>
<td>0.38</td>
<td>1.0</td>
</tr>
<tr>
<td>7/8</td>
<td>22</td>
<td>1.44</td>
<td>0.57</td>
<td>1.0</td>
</tr>
<tr>
<td>FROM 1 to 2</td>
<td>FROM 25 to 50</td>
<td>DIM &quot;A&quot; PLUS</td>
<td>1.2</td>
<td>DIM &quot;A&quot; PLUS</td>
</tr>
</tbody>
</table>

Note: Units shown in brackets [ ] are metric and are in millimeters (mm) unless other units are shown.

### Typical Joint Seal Details

**Self-Leveling Silicone Sealant Joint**

**Preformed Elastomeric Compression Joint Seal**

**HOT Poured Elastic Joint Seal**

### Typical Plan of Transverse Joint Dowel Assembly

1. After staking in place, cut spacer wire.
2. Tack weld dowel bars at alternating ends to the basket assembly.
3. Do not crush dowel baskets.

**Dowel Basket & Dowel Placement Notes**

- Use the joint sealant type as specified in the contract.
- Use the joint sealant type as specified in the contract.
- Tape or close joint ends as approved by the engineer to prevent loss of joint sealant.
- Seal Type K Pave-Thru Expansion Joints with a compression joint material which is closed-cell, cross-linked, low-density polyethylene copolymer, nitrogen blown resilient foam material with an ultraviolet stabilizer. Recap the compressed joint material 1/4 inch [6] below the top of the concrete pavement. Splices shall be beveled 45 degrees and butted together.

### Joint Seal Notes

- Use the joint sealant type as specified in the contract.
- Seal type "E" joints with silicone seal.
- Tape or close joint ends as approved by the engineer to prevent loss of joint sealant.
- Seal Type K Pave-Thru Expansion Joints with a compression joint material which is closed-cell, cross-linked, low-density polyethylene copolymer, nitrogen blown resilient foam material with an ultraviolet stabilizer. Recap the compressed joint material 1/4 inch [6] below the top of the concrete pavement. Splices shall be beveled 45 degrees and butted together.