### TYPICAL ISOLATION JOINT GUIDELINES

<table>
<thead>
<tr>
<th>CONDITION</th>
<th>FEATURE</th>
<th>DISTANCE FROM NEAREST PAVEMENT JOINT</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>DROP OR CURB INLET</td>
<td>-----</td>
</tr>
<tr>
<td>B</td>
<td>DROP OR CURB INLET</td>
<td>-----</td>
</tr>
<tr>
<td>C</td>
<td>DROP OR CURB INLET</td>
<td>&gt; 4 FT [1220] FROM JOINT</td>
</tr>
<tr>
<td>D</td>
<td>DROP OR CURB INLET</td>
<td>&lt; 2 FT [610] FROM JOINT</td>
</tr>
<tr>
<td>E</td>
<td>DROP OR CURB INLET</td>
<td>&gt; 4 FT [1220] FROM JOINT</td>
</tr>
<tr>
<td>F</td>
<td>MANHOLE</td>
<td>-----</td>
</tr>
<tr>
<td>G</td>
<td>MANHOLE</td>
<td>-----</td>
</tr>
<tr>
<td>H</td>
<td>MANHOLE</td>
<td>-----</td>
</tr>
<tr>
<td>I</td>
<td>MANHOLE</td>
<td>&lt; 3 FT [915] FROM JOINT</td>
</tr>
<tr>
<td>J</td>
<td>MANHOLE</td>
<td>&lt; 3 FT [915] FROM JOINT</td>
</tr>
</tbody>
</table>

**Units Shown in brackets [] are metric units in millimeters (mm) unless otherwise stated.**

**Reference: E001-001.-001, Section 503-30**
**Pavement Concrete Cement Panel**

**Existing Panel**

**Complete Panel**

**New Panel**

**Joint Details**

**For Longitudinal**

No. 501-00

See DTL. DWG.

**Complete Panel**

**New Tie Bar (Typ.)**

Epoxy Coated

**Joint Details**

**For Transverse**

No. 501-00

See DTL. DWG.

**Panel Replacement**

**Existing Edge of Shoulder (Typ.)**

**Notes:**

1. Install tie bars along longitudinal joints between panel replacement and existing PCCP. Tie bars are not installed between PCCP pavement and CMS shoulders.

2. Place new dowel bars between existing dowel bars. Do not place any dowel bars closer than 1'-6" from edge of concrete panel.

**Units Shown in Inches (in) are Metric and are in Millimeters (mm) unless other units are shown.**

**Reference**

MDTX Department of Transportation

**PCCP Repair**

**Section A-A**

**Section B-B**

**Dates:**

September 2014
Dowel Bar Retrofit
For two lane divided highway (one way traffic)
For each lane in undivided highway (two way traffic)

Dowel Bar Retrofit
For each lane in undivided highway (two way traffic)

Section A-A

Outside Lane

Inside Lane

Section B-B

Section C-C

All dimensions perpendicular to direction of travel.

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

Dowel Bar Retrofit for PCCP

Dowel Bar Retrofit

Division of Transportation

September 2014