GENERAL NOTES

The primary roadway controls the transverse joint pattern. Adjust new joints with existing joints or cracks.

Generally, transverse joints perpendicular to the roadway.

Place transverse joints to align with many features (e.g., manholes and manhole covers). When possible, joint orientation should be perpendicular to the centerline of the roadway.

Avoid using less than 2 feet wide or greater than 5 feet wide.

See table for transverse joint spacing. Joint spacing should be maximum and actual spacing can be adjusted to accommodate intersections.

Avoid angles less than 60° at the center of the joint. Angles may be possible.

Correlate longitudinal joints with lane lines when possible.

1. Provide transverse joints at all pavement width changes.
2. Construct transverse expansion joint on the side of a median or intersection to avoid impact damage to curbs, edges of median.
3. The engineer may approve slight variations from these jointing details.

Pavement Depth and Joint Spacing Table

<table>
<thead>
<tr>
<th>Pavement Depth (ft)</th>
<th>Joint Spacing (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5'-6&quot;</td>
<td>3'</td>
</tr>
<tr>
<td>6'-0&quot;</td>
<td>4'</td>
</tr>
<tr>
<td>7'-0&quot; or above</td>
<td>5'</td>
</tr>
</tbody>
</table>
GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 15c8 SHEET "a".

USE AN EXPANSION JOINT KIT MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 405.

REFERENCE TO THE TRUCK APRON TRANSVERSE JOINTS.

1. DESIGNERS DETERMINE SET AND LOCATIONS OF TRUCK APRON TO ACCOMMODATE TRACKING OF OVERSIZE/OVERWEIGHT VEHICLES.

2. THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON WIDTH IS LESS THAN 3 FEET.

3. CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- CONCRETE CURB
- CONCRETE CURB AND GUTTER TIED TO BACK OF CURB
- CONCRETE CURB AND GUTTER TIED TO TRUCK APRON
- EXPANSION JOINT
- TRUCK APRON
- 12" TRUCK APRON
- 12" TRUCK APRON VARIABLE WIDTH
- CURB & GUTTER 30-INCH, TYPE A
- CURB & GUTTER 36-INCH, TYPE A
- CENTER ISLAND
- EXPANSION JOINT
- • YELLOW LINE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

APPROVED

DATE

SDD 13c18-e Concrete Pavement Jointing and Steel Reinforcement in Roundabouts
GENERAL NOTES

1. **Concrete Pavement Intersection Boxout for Integral Curb and Gutter**

   a. Construct a sawed expansion joint on the side road of an intersection if the side road is concrete pavement and greater than 200 feet in length. Align expansion joint with edge of pavement.

   b. Provide a tied joint at the flange of scab on curb if scab on curb and gutter is used.

LEGEND

- DOWEL JOINT
- TIED JOINT
- Expansion Joint
- Potential Dowelled EXPANSION JOINT
- DIRECTION OF TRAFFIC

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

APPROVED

DATE

Pavement Supervisor
References:

FDM 14-10-10
FDM 14-10-35

Bid items associated with this drawing:

<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>320.0100 - 0199</td>
<td>Concrete Base (inch)</td>
<td>SY</td>
</tr>
<tr>
<td>320.0300 - 0399</td>
<td>Concrete Base HES (inch)</td>
<td>SY</td>
</tr>
<tr>
<td>415.0060 - 0199</td>
<td>Concrete Pavement (inch)</td>
<td>SY</td>
</tr>
<tr>
<td>415.1080 - 1199</td>
<td>Concrete Pavement HES (inch)</td>
<td>SY</td>
</tr>
</tbody>
</table>

Standardized Special Provisions associated with this drawing:

<table>
<thead>
<tr>
<th>STSP NUMBER</th>
<th>TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>

Other SDDs associated with this drawing:

SDD 8d1    Concrete Curb, Concrete Curb & Gutter and Ties
SDD 13c1    Concrete Pavement Longitudinal Joints and Ties
SDD 13c4    Urban Non-Doweled Concrete Pavement
SDD 13c11   Rural Doweled Concrete Pavement
SDD 13c13   Urban Doweled Concrete Pavement

Design Notes:

Include this SDD along with SPV.0105.XX, Concrete Pavement Joint Layout (located at [https://wisconsindot.gov/Documents/doing-business/eng-consultants/cnslt-rsrcs/tools/gmp/jointlayout.pdf](https://wisconsindot.gov/Documents/doing-business/eng-consultants/cnslt-rsrcs/tools/gmp/jointlayout.pdf)), whenever the plans include concrete pavement or concrete base. Always include sheets "a", "b", "c", "d", and "f" together in plan sets. Sheet "e" is only needed if the project includes a roundabout. For unique project circumstances that are not covered in this set of SDDs, the contractor shall review the joint layout plan with the engineer.

Contact Person:

Myungook (MK) Kang (608) 246-7957