LONGITUDINAL SAWED JOINT

Tie bars at 30 (750) cts. No. 6x30 (No. 19x750) (shown on support pins)

Sawed groove \( \frac{1}{2} \) (13 mm) x \( \frac{3}{8} \)

Hot poured joint sealer

No. 6x30 (No. 19x750) Tie bars at 30 (750) cts.

LONGITUDINAL KEYED JOINT

- 8 (203) cts. pavement thickness for keyed joints.

Type C metal joint or approved equal

LONGITUDINAL CONSTRUCTION JOINT

THE BAR FORMED IN PLACE OR MECHANICALLY INSERTED

Bar supports formed in place only

LONGITUDINAL CONSTRUCTION JOINT (TIE BAR GROUTED IN PLACE)

Preformed or drilled hole bar size \( \frac{5}{8} \) (16)

Hot poured joint sealer

No. 6x24 (No. 19x600) Tie bars at 24 (600) cts.

First pour + Second pour

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement.

All dimensions are in inches (millimeters) unless otherwise shown.

PAVEMENT JOINTS

STANDARD 420001-08

(Sheet 1 of 2)

DATE REVIEWS
1-1-15

Illinois Department of Transportation

DATE

REVISIONS
1-1-97

PASSED

ENGINEER OF POLICY AND PROCEDURES

ENGINEER OF DESIGN AND ENVIRONMENT

APPROVED

ISSUED
**TRANSVERSE EXPANSION JOINT**  
(FOR PAVEMENTS WITH UNEQUAL THICKNESS)

*Expansion caps shall be installed on the exposed end of each dowel bar once the header has been removed and the joint filler material has been installed.*

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**TRANSVERSE CONTRACTION JOINT**

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**TRANSVERSE EXPANSION JOINT**  
(FOR PAVEMENTS WITH EQUAL THICKNESS)

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**TRANSVERSE CONTRACTION JOINT**

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**SEALING DETAIL**

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**DOWEL BAR TABLE**

<table>
<thead>
<tr>
<th>THICKNESS</th>
<th>DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 (200) or greater</td>
<td>1/2 (12)</td>
</tr>
<tr>
<td>7 (175) thru 7.99 (199)</td>
<td>1/2 (12)</td>
</tr>
<tr>
<td>Less than 7 (175)</td>
<td>1 (25)</td>
</tr>
</tbody>
</table>

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**PAVEMENT JOINTS**

(Sheet 2 of 2)

STANDARD 420001-08