PLAN OF PAVEMENT

TRANSVERSE CONTRACTION JOINT

15' (4.6 m) max.
25' (7.6 m) max.

Dowel bar assembly
Sawed groove
18 (450) Long dowel bars at 12 (200) cts.

18 (450) Long dowel bars
Joint sealer
Hot poured

18 (450) Long dowel joint

TRANSVERSE CONTRACTION JOINT

Dowel bar assembly
Sawed groove
18 (450) Long dowel bars at 12 (200) cts.

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Joint sealer
Hot poured

18 (450) Long dowel joint

TRANSVERSE CONSTRUCTION JOINT

Hot poured joint sealer
% (22) Heat resistant closed cell plastic foam backer rod

% (6) Bituminous surface
4 (300) typ.

% (6) Bituminous surface
4 (300) typ.

STANDARD B.L.R. 14-12

PORTLAND CEMENT CONCRETE
PAVEMENT (NONREINFORCED)

DOWEL BAR TABLE

<table>
<thead>
<tr>
<th>PAVEMENT THICKNESS</th>
<th>DOWEL BAR DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 (250) or greater</td>
<td>1½ (38)</td>
</tr>
<tr>
<td>8 (200) thru 9.99 (249)</td>
<td>1½ (32)</td>
</tr>
<tr>
<td>Less than 8 (200)</td>
<td>1 (25)</td>
</tr>
</tbody>
</table>

GENERAL NOTES


Dowel bars are only required for Class I, II, or III Roads and Streets having pavement thickness of 7 (175) or greater.

t = Pavement thickness (See Typical Cross Section)

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

Illinois Department of Transportation
January 1, 2018
APPROVED
January 1, 2018

ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED
REVISIONS
DATE

1-1-97

1-1-18

1-1-15

Added general note regarding dowel bars.
Eliminated skewed joint.
Revised dowel and tie bar spacing.
Increased tied bar spacing.

Engineer of Local Roads and Streets