**General Notes:**

The dowel supporting units shall be factory assembled and capable of holding the dowels in their required positions. In the completed joint installation, dowels shall be positioned within 1/2" of the vertical and horizontal plane and in the longitudinal direction. The skew tolerance shall be 1/4".

The free end of each epoxy coated dowel shall be marked with a spot of paint at least one inch in diameter and contrasting in color with the epoxy coating.

Wire sizes shown are minimum required.

Wires, bars or clips shall be used as necessary to strengthen the assemblies.

The diameter of the spacer wire shall not exceed 0.200".

Spacer wire may be cut or left intact.

Staking pins shall be fabricated from 0.306" diameter wire minimum with a suitable hook. Staking pins shall have a minimum length of 12" for dowel assemblies unless otherwise directed by the engineer.

Minor variations in the configuration of the support units will be allowed.

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**Dowel Supporting Units**

Approved for use with transverse joints

**Dowel Bars**

<table>
<thead>
<tr>
<th>PAVEMENT THICKNESS</th>
<th>BAR SIZE</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>10&quot; and less</td>
<td>1/4&quot;</td>
<td>18&quot;</td>
</tr>
<tr>
<td>Greater than 10&quot;</td>
<td>1/2&quot;</td>
<td>18&quot;</td>
</tr>
</tbody>
</table>

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**Date Effective:** 06/01/2010

**Date Prepared:** 10/30/2015

**Sheet No.:** 1 of 2
FOR PAVEMENTS HAVING THICKNESS IN \( \frac{1}{4} \) INCREMENTS, DOWEL SHALL BE PLACED HALF THE PAVEMENT THICKNESS MINUS \( \frac{1}{4} \) IN.

SECTION C-C

TOP OF PAVEMENT
SAWED JOINT

DOWEL BAR

OPTIONAL INSIDE OR OUTSIDE

COAT WITH APPROVED LUBRICANT.

SUBGRADE

LONGITUDINAL JOINT

6" 12"

LENGTH DETERMINED BY PAVEMENT WIDTH

EDGE OF PAVEMENT STRUCTURE

LONGITUDINAL JOINT

6"

GENERAL NOTES:

IN THE COMPLETED JOINT INSTALLATION, DOWELS SHALL BE POSITIONED WITHIN \( \frac{1}{2} \) IN. OF THE VERTICAL AND HORIZONTAL PLANE AND IN THE LONGITUDINAL DIRECTION. THE SKEW TOLERANCE SHALL BE \( \frac{1}{4} \) IN.