**Concrete Curb Type B and Combination Concrete Curb and Gutter**

**Plan ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE**

**Barrier Curb**

<table>
<thead>
<tr>
<th>Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-6.06</td>
<td>6</td>
<td>5</td>
<td>5</td>
<td>5</td>
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<td>50</td>
</tr>
<tr>
<td>M-7.12</td>
<td>8</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>M-8.18</td>
<td>10</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>M-9.24</td>
<td>12</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>50</td>
<td>50</td>
</tr>
</tbody>
</table>

**Mountable Curb**

<table>
<thead>
<tr>
<th>Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-8.18</td>
<td>6</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>75</td>
<td>75</td>
</tr>
<tr>
<td>M-9.24</td>
<td>8</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>75</td>
<td>75</td>
</tr>
<tr>
<td>M-10.45</td>
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<td>75</td>
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<tr>
<td>M-11.60</td>
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<td>11</td>
<td>11</td>
<td>75</td>
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</tr>
</tbody>
</table>

**Dowel Bar Table**

<table>
<thead>
<tr>
<th>PAVEMENT THICKNESS</th>
<th>DOWEL BAR DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 (250) or greater</td>
<td>16 (38)</td>
</tr>
<tr>
<td>8 (200) thru 9.99 (249)</td>
<td>16 (38)</td>
</tr>
<tr>
<td>Less than 8 (200)</td>
<td>12 (30)</td>
</tr>
</tbody>
</table>

**Constructions**

1. Form with ¾ (18) thick steel template (Placed in prolongation with pavement joints) construction option.
2. Saw at 4 to 24 hours, and seal.
3. Saw at 24 hours, and seal.
4. Saw at 24 hours, and seal.
5. Saw at 24 hours, and seal.
6. Saw at 24 hours, and seal.
7. Saw at 24 hours, and seal.

**Tie Bar**

18 (450) long dowel bar (placed at mid-depth) in accordance with details for longitudinal construction joint shown on Standard 420001.

**Construction Notes**

- A minimum clearance of 2 (50) between the end of the tie bar and the back of the curb shall be maintained.
- The dowel bars shown in contraction joints will only be required for monolithic construction.
- See Standard 606301 for details of corner islands except reference to Standard 606001 does not apply.
- All dimensions are in inches (millimeters) unless otherwise shown.

**General Notes**

- Longitudinal joint tie bars shall be No. 5 (No. 16) at 24 (600) centers in accordance with details for longitudinal construction joint shown on Standard 420001.
- The bottom slope of combination curb and gutter constructed adjacent to pcc pavement shall be the same slope as the subbase or 6% when subbase is omitted.
- All dimensions are in inches (millimeters) unless otherwise shown.
**CONCRETE CURB TYPE B**

**AND COMBINATION**

**CONCRETE CURB AND GUTTER**

(1-1-18)

**B.L.R. 28**

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**Plan**

- **Construction joint**
  - 2-No. 4 (No. 13) bars placed at mid-depth (when space permits)
  - 2-No. 4 (No. 13) bars placed at mid-depth (when space permits)

**Undoweled contraction joint (typ.) construction options:**

1. Form with ½ (3) thick steel template 2 (50) deep and seal.
2. Saw 2 (50) deep at 4 to 24 hours and seal.
3. Insert ½ (20) thick preformed joint filler full depth and width.

**Mountable curb shown (other types permitted)**

- **HMA surfacing**
  - **Base course**
- **HMA surfacing**
  - **Base course**

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**Depressed Curb**

**Barrier Curb**

**Adjacent to Flexible Pavement**

**Adjacent to PCC Pavement or PCC Base Course**

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**Illinois Department of Transportation**

- **January 1, 2018**
- **APPROVED**
- **May 8, 2018**
- **ENGINEER OF DESIGN AND ENVIRONMENT**
- **ISSUED**
- **ENGINEER OF LOCAL ROADS AND STREETS**