**Beveled Key**

**Plan**

1. Place keys at 2'-8" centers.
2. Use 2 x 8 lumber 8" long to make keys.
3. "L-2" or "KT-2" joint. When roadway pavement is existing, use BT-3 joint. See PV-101.
5. When shoulder will be located under a concrete barrier end section, replace 5g2 and 5g3 bars with reinforcement as shown on BA-107.
6. Increase these dimensions by one inch for every inch of paved shoulder thickness greater than 9 inches.
7. No 'CD' joint baskets required within 4' of outside edge of shoulder.
8. Match spacing of vertical bars in concrete barrier.

**Possible Tabulation:**

- **Reinforced Paved Shoulder for Concrete Barrier**
- **Possible Contract Item:**

**Reinforcing Bar List**

<table>
<thead>
<tr>
<th>Bar</th>
<th>Number of Bars</th>
<th>Length</th>
<th>Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>6a1</td>
<td>18</td>
<td>6'-1&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>5a2</td>
<td>4</td>
<td>8'-0&quot;</td>
</tr>
<tr>
<td>6&quot;</td>
<td>6a1</td>
<td>8</td>
<td>7'-1&quot;</td>
</tr>
<tr>
<td>8&quot;</td>
<td>8a1</td>
<td>8</td>
<td>9'-1&quot;</td>
</tr>
<tr>
<td>10&quot;</td>
<td>10a1</td>
<td>16</td>
<td>11'-1&quot;</td>
</tr>
<tr>
<td>12&quot;</td>
<td>12a1</td>
<td>18</td>
<td>13'-1&quot;</td>
</tr>
<tr>
<td>5g3</td>
<td>5g2</td>
<td>10</td>
<td>16'-0&quot;</td>
</tr>
<tr>
<td>5g3</td>
<td>5g3</td>
<td>12</td>
<td>18'-0&quot;</td>
</tr>
</tbody>
</table>

Applies to all Shoulder Widths

- 5g3 varies
- 5g3 varies
- 5g3 varies
- 5g3 varies

**Match roadway pavement thickness (5" min.)**

**Paved Shoulder**

**Concrete Barrier**

**Face of Barrier**

**2'-0" Cover**

**Paved Shoulder**

**Beveled Key**

**Notes:**

- 2 x 8 lumber 8" long to make keys.
- Place keys at 2'-8" centers.

**Plan:**

- Face of Barrier
- Roadway pavement
- Beveled Key
- Paved Shoulder
- Concrete Barrier

**Typical Section:**

- 2'-0" Cover
- 5' x 2" spaced at 12"