SECTION A-A

MAX 16

MIN 4" + 5" +

MAX 7" +

MIN 8" +

SECTION A-A

MAX

MIN

SECTION B-B

FREEWAY AND CENTERLINE RUMBLE STRIP MILL DETAILS

SECTION A-A

MIN ½" - MAX ¾"

SECTION B-B

PLAN

MIN ¾" - MAX 1½"

NON-FREEWAY SHOULDER RUMBLE STRIP MILL DETAILS

TABLE 1

LONGITUDINAL RUMBLE STRIPS

<table>
<thead>
<tr>
<th>ROADWAY TYPE</th>
<th>SHOULDER WIDTH</th>
<th>GROOVE WIDTH</th>
<th>LOCATION OF RUMBLE STRIP OFFSET</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNDIVIDED</td>
<td>&gt; 4 FT</td>
<td>6 INCHES</td>
<td>12 INCH OFFSET FROM EDGE LINE</td>
</tr>
<tr>
<td>UNDIVIDED</td>
<td>2 FT TO 4 FT</td>
<td>6 INCHES</td>
<td>2 INCH OFFSET FROM EDGE LINE</td>
</tr>
<tr>
<td>UNDIVIDED</td>
<td>1 FT TO 2 FT</td>
<td>6 INCHES</td>
<td>UNDER EDGE LINE</td>
</tr>
<tr>
<td>UNDIVIDED</td>
<td>&lt; 1 FT</td>
<td>8 INCHES</td>
<td>UNDER EDGE LINE</td>
</tr>
<tr>
<td>DIVIDED</td>
<td>&lt; 1 FT</td>
<td>8 INCHES</td>
<td>UNDER EDGE LINE</td>
</tr>
<tr>
<td>DIVIDED</td>
<td>&gt; 8 FT</td>
<td>12 INCHES</td>
<td>12 INCH OFFSET FROM EDGE LINE</td>
</tr>
<tr>
<td>FREEWAY</td>
<td>ALL</td>
<td>12 INCHES</td>
<td>12 INCH OFFSET FROM EDGE LINE</td>
</tr>
<tr>
<td>CENTERLINE</td>
<td>12 INCHES</td>
<td>SEE STD DWGS PV 8A AND PV 8B</td>
<td></td>
</tr>
</tbody>
</table>

NOTES:

1. MILL RUMBLE STRIPS TO LEAVE A RECTANGULAR SHAPE WITH UNIFORM EDGES. DO NOT DAMAGE ADJACENT PAVEMENT DURING MILLING OPERATION.

2. DO NOT PLACE RUMBLE STRIPS ON STRUCTURES OR APPROACH SLABS.

3. DO NOT PLACE RUMBLE STRIPS WITHIN 12 INCHES OF PCCP TRANSVERSE JOINTS.

4. RESTART RUMBLE STRIP SEQUENCE (48 STRIPS, SKIP 12 STRIPS) WHEN RUMBLE STRIPS ARE HALTED OR INTERRUPTED, EXCEPT WHEN TRANSVERSE JOINTS ARE ENCOUNTERED ON PCCP, 2012.

5. APPLY ASPHALT FLUSH COAT UNIFORMLY ON ALL RUMBLE STRIPS ON BITUMINOUS PAVEMENT SURFACES.

6. PROVIDE A MINIMUM CLEAR, PAVED, REDEEMABLE SPACE OF 4 FT FROM THE OUTER EDGE OF THE RUMBLE STRIP TO THE OUTSIDE EDGE OF THE PAVED SHOULDER, OR A MINIMUM CLEAR, PAVED, REDEEMABLE SPACE OF 6 FT, ADJACENT TO GUARDRAILS, CURBS, OR OTHER OBSTACLES OR SECTIONS OF THE SPEED LIMIT.  APPLY THIS REQUIREMENT TO BOTH SHOULDERS OF UNDIVIDED HIGHWAYS AND THE RIGHT SHOULDER ONLY ON DIVIDED HIGHWAYS.

7. MAINTAIN 6 FT MINIMUM CLEAR SHOULDER WIDTH BETWEEN OBSTRUCTION AND OUTSIDE EDGE OF RUMBLE STRIP, OTHERWISE ELIMINATE RUMBLE STRIP.