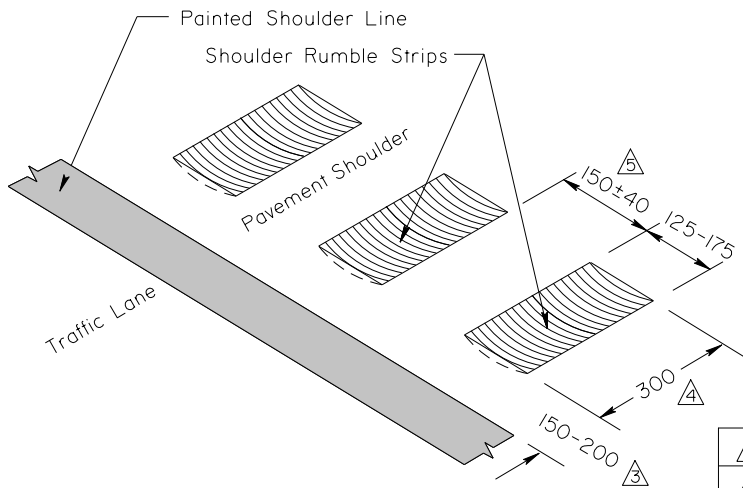
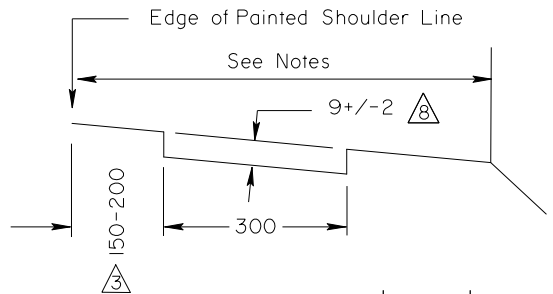


PLAN VIEW



TYPICAL CONTINUOUS SHOULDER RUMBLE STRIP INSTALLATION



SECTION 'A-A'

NOTE: All dimensions are in millimetres.

Notes:

1. Rumble strips are to be placed on existing paved projects on:
  - two-lane highways with minimum 1.4m shoulders  $\triangle$
  - multi-lane highways with minimum 1.4m right shoulders  $\triangle$
  - multi-lane highways with minimum 0.6m left shoulders.  $\triangle$
2. Rumble strips should only be installed on interchange ramps when directed by the Consultant.  $\triangle$
3. Rumble strips are not to be placed through urban areas, within 300m of residences (to be measured from the proposed rumble strip location to the nearest point on the residential structure) or where shoulder widths are reduced due to the presence of turning lanes.  $\triangle$   $\triangle$
4. Rumble strips are to be interrupted for intersections and accesses. Strips are to be terminated 60m prior to the taper and reinstated 60m from the end of taper. Where there are no tapers, rumble strips may be terminated/reinstated 200m from the intersection or as determined in the field.  $\triangle$
5. Rumble strips are to be placed at the approaches to all bridges that have barrier systems if the shoulder exceeds 1.4m. Strips will commence 100m prior to the approach guardrail and terminate 10m prior to the bridge deck. Rumble strips are not to be placed on bridge decks unless approved by the department as a "special" installation.  $\triangle$
6. Rumble strips may be installed selectively at locations where hazards exist near the travel lanes provided the right hand shoulder exceeds 1.4m e.g. Railway crossing cantilever structures, raised medians etc.

$\triangle$ 9	REVISED NOTE 3	P.M.	10 OCT '17
$\triangle$ 8	REVISED DEPTH TO 9mm +/-2	B.K.	24 MAY '11
$\triangle$ 7	REVISED SHOULDER WIDTHS	B.K.	05/06/06
$\triangle$ 6	REVISIONS TO NOTE ON PLACEMENT PRACTICES	B.K.	09/03
$\triangle$ 5	REVISED DIMENSION	B.K.	02/99
$\triangle$ 4	REVISED WIDTH OF RUMBLE STRIPS	B.K.	01/99
$\triangle$ 3	REVISED OFFSET FROM SHOULDER LINE	T.N.	09/98
$\triangle$ 2	REVISED "ENGINEER" TO "CONSULTANT"	T.N.	07/98
$\triangle$ 1	REV PLATE AND RENUMBERED FROM TEB 5.19	S.L.	03/98
No.	REVISIONS	BY	DATE

Approved: ORIGINAL SIGNED BY ALLAN KWAN ----- Executive Director, Technical Standards Branch Date: MARCH 08/96	
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<b>TYPICAL LAYOUT for CONTINUOUS MILLED RUMBLE STRIPS for SHOULDERS</b>			
Prepared By: T.N.	Checked By: B.K.	Scale: N.T.S.	Dwg No.: CB6-3.52MI