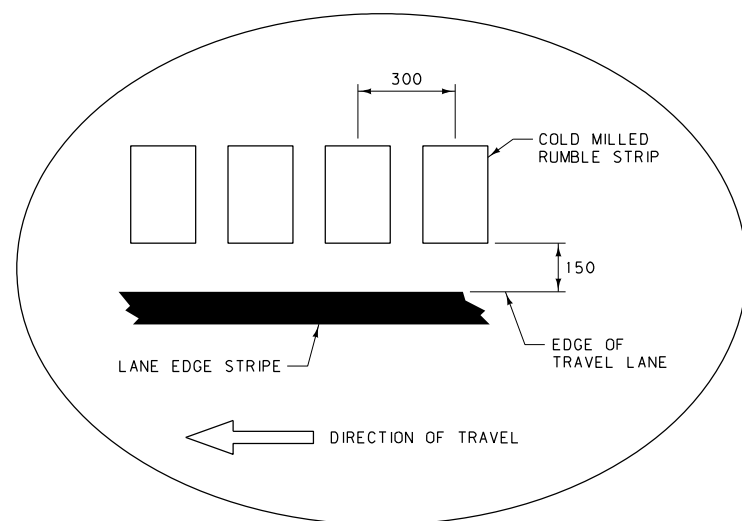
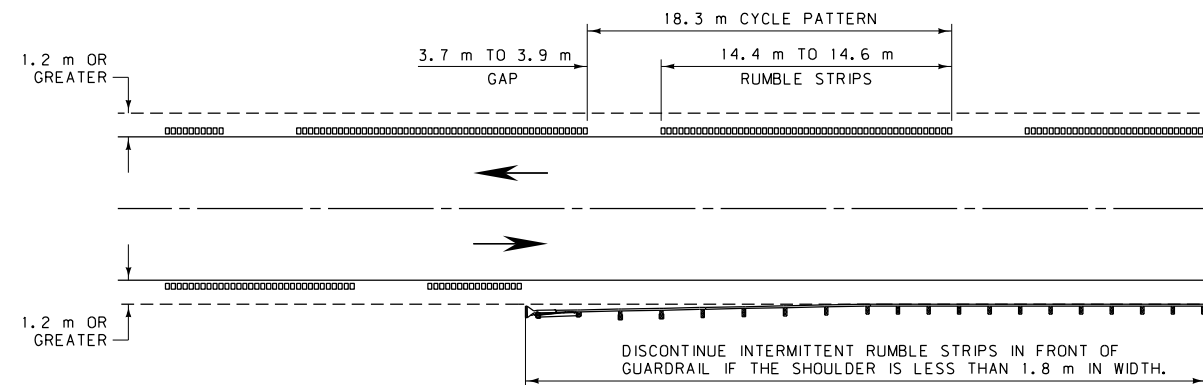


TYPICAL SHOULDER INSTALLATION  
(CONCRETE PAVEMENT)

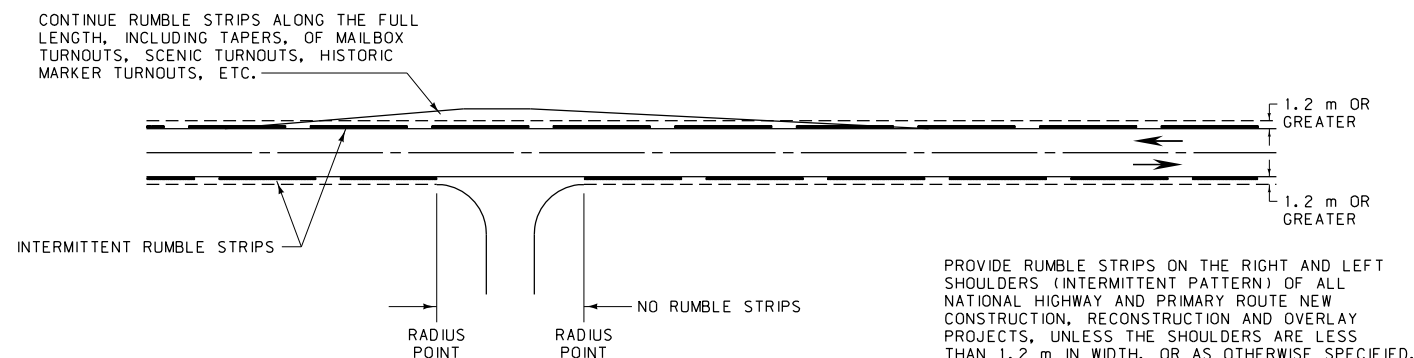


TYPICAL SHOULDER INSTALLATION  
(ASPHALT PAVEMENT)

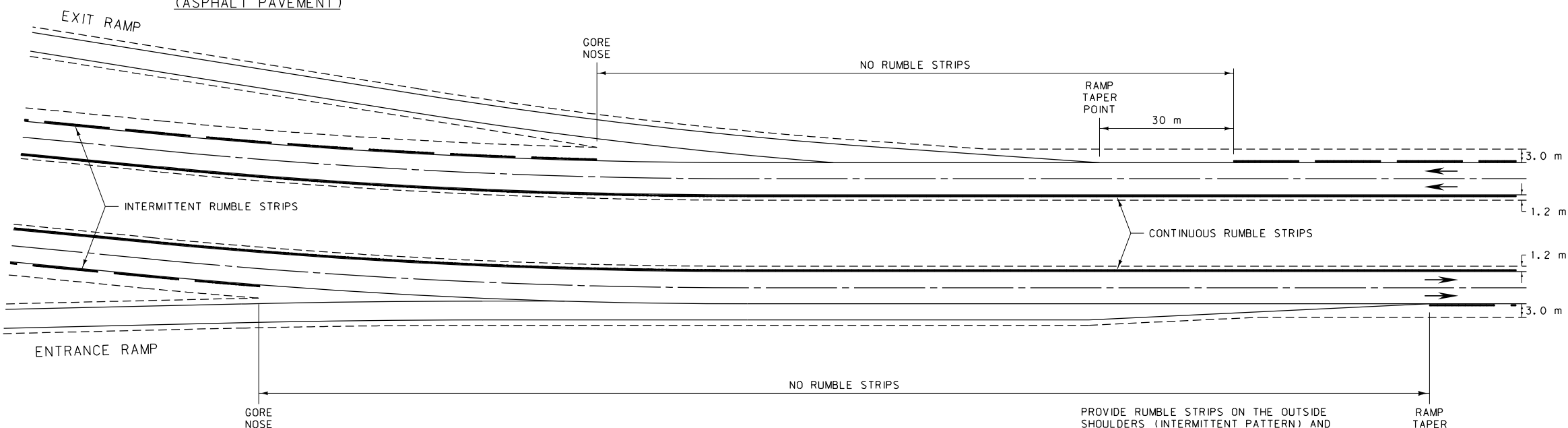
\* DETERMINE THE METHOD OF INSTALLATION FOR RUMBLE STRIPS ON EXISTING CONCRETE SHOULDERS ON A CASE-BY-CASE BASIS.



INTERMITTENT RUMBLE STRIP SPACING



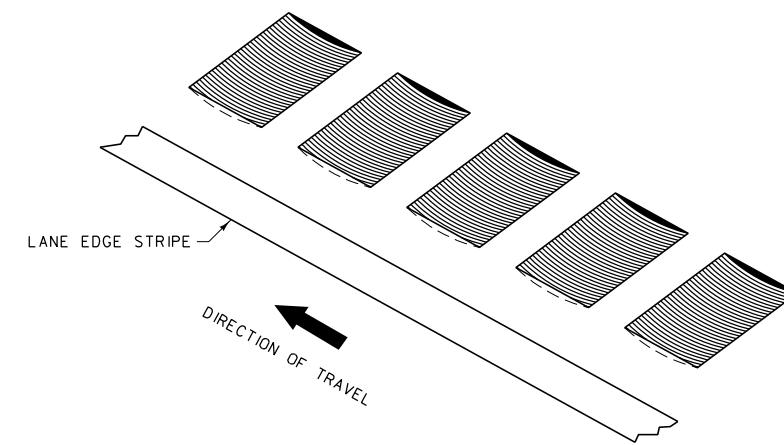
NATIONAL HIGHWAY ROUTE OR  
PRIMARY ROUTE APPLICATION



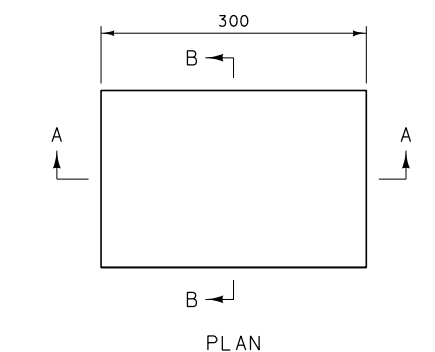
INTERSTATE APPLICATION

PROVIDE RUMBLE STRIPS ON THE OUTSIDE SHOULDERS (INTERMITTENT PATTERN) AND MEDIAN SHOULDERS (CONTINUOUS PATTERN) OF ALL INTERSTATE NEW CONSTRUCTION, RECONSTRUCTION AND OVERLAY PROJECTS.

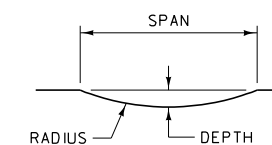
DISCONTINUE RUMBLE STRIPS IN FRONT OF EXIT AND ENTRANCE RAMP.



ISOMETRIC VIEW



SECTION A-A




	DEPTH	RADIUS	SPAN
CONCRETE	25	25	50
ASPHALT	13 TO 19	300 MAX.	175 TO 200

RUMBLE STRIP DETAIL

NOTE:

DO NOT INSTALL RUMBLE STRIPS OVER CONCRETE BRIDGE DECKS OR WHERE OBSTACLES, SUCH AS CONCRETE BARRIER RAIL, PREVENT PROPER PLACEMENT.

DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 401	DWG. NO. 401-02
SHOULDER RUMBLE STRIPS	
EFFECTIVE: FEBRUARY 2005	
 MONTANA DEPARTMENT OF TRANSPORTATION	

ALL DIMENSIONS ARE MILLIMETERS (mm) UNLESS OTHERWISE NOTED.