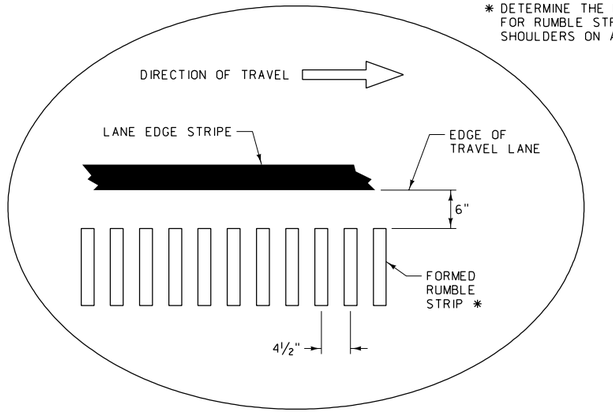
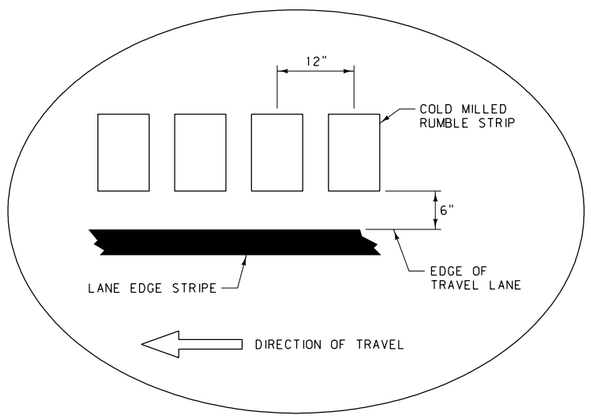
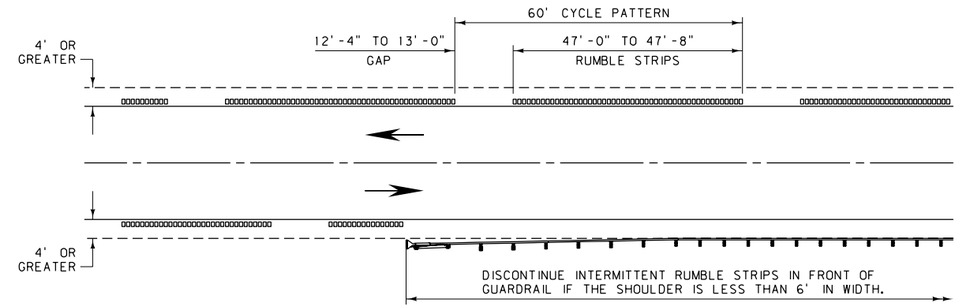
* DETERMINE THE METHOD OF INSTALLATION FOR RUMBLE STRIPS ON EXISTING CONCRETE SHOULDERS ON A CASE-BY-CASE BASIS.



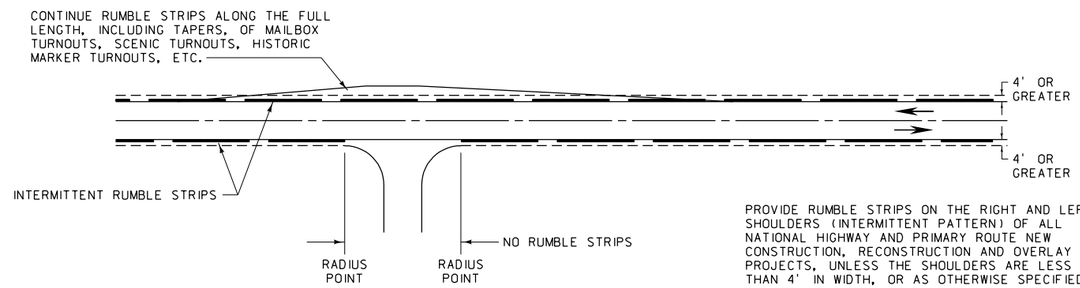
TYPICAL SHOULDER INSTALLATION (CONCRETE PAVEMENT)



TYPICAL SHOULDER INSTALLATION (ASPHALT PAVEMENT)



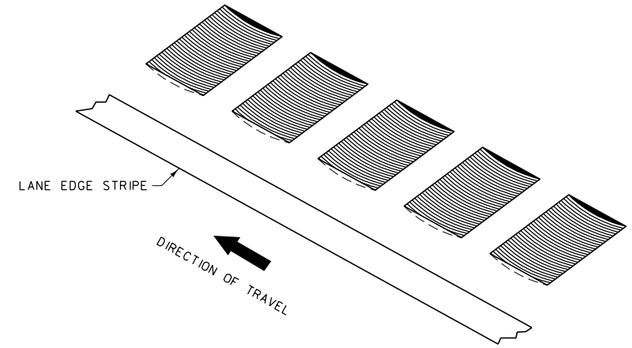
INTERMITTENT RUMBLE STRIP SPACING



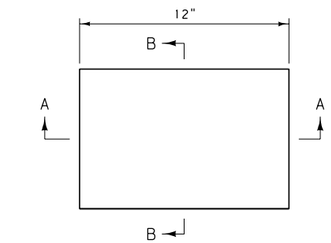
NATIONAL HIGHWAY ROUTE OR PRIMARY ROUTE APPLICATION

PROVIDE RUMBLE STRIPS ON THE RIGHT AND LEFT SHOULDERS (INTERMITTENT PATTERN) OF ALL NATIONAL HIGHWAY AND PRIMARY ROUTE NEW CONSTRUCTION, RECONSTRUCTION AND OVERLAY PROJECTS, UNLESS THE SHOULDERS ARE LESS THAN 4' IN WIDTH, OR AS OTHERWISE SPECIFIED.

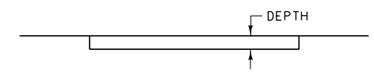
ON SEGMENTS OF NATIONAL HIGHWAY OR PRIMARY ROUTES WITHIN DESIGNATED CITY OR URBAN LIMITS, USE ENGINEERING JUDGEMENT ON A CASE-BY-CASE BASIS TO DETERMINE IF RUMBLE STRIP INSTALLATION IS APPROPRIATE.



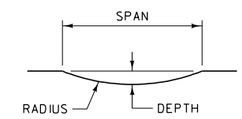
ISOMETRIC VIEW



PLAN



SECTION A-A



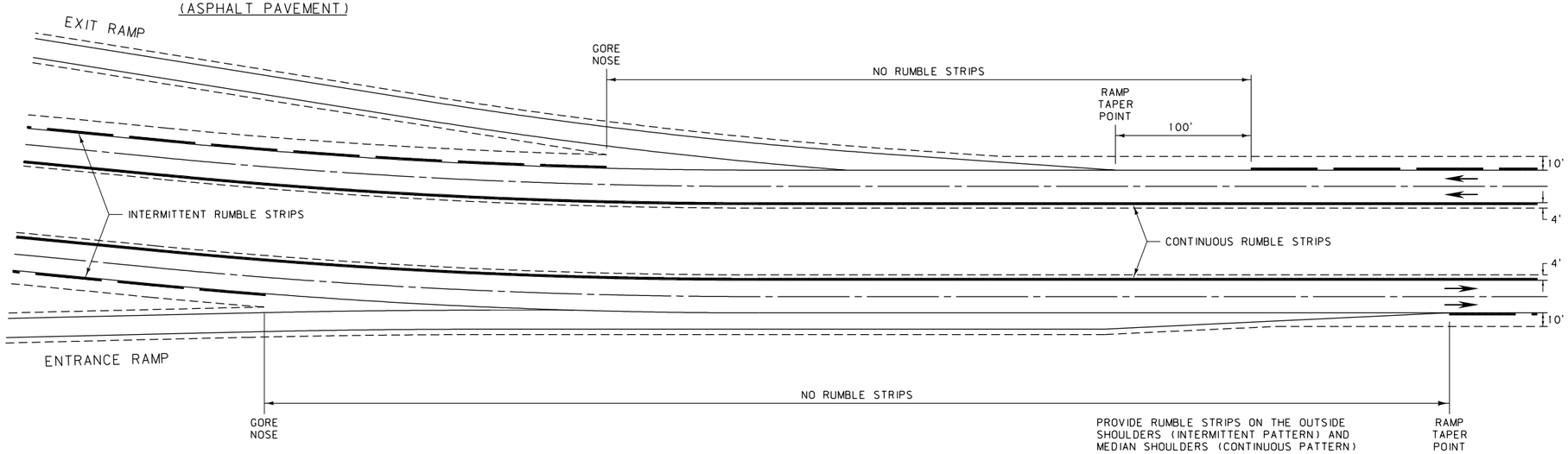
SECTION B-B

	DEPTH	RADIUS	SPAN
CONCRETE	1"	1"	2"
ASPHALT	½" TO ¾"	12" MAX.	6⅞" TO 8⅜"

RUMBLE STRIP DETAIL

NOTE:

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



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 RAMPS.

INTERSTATE APPLICATION

DETAILED DRAWING

REFERENCE STANDARD SPEC. SECTION 401

DWG. NO. 401-02

SHOULDER RUMBLE STRIPS

EFFECTIVE: FEBRUARY 2005

MDT serving you with pride — MONTANA DEPARTMENT OF TRANSPORTATION