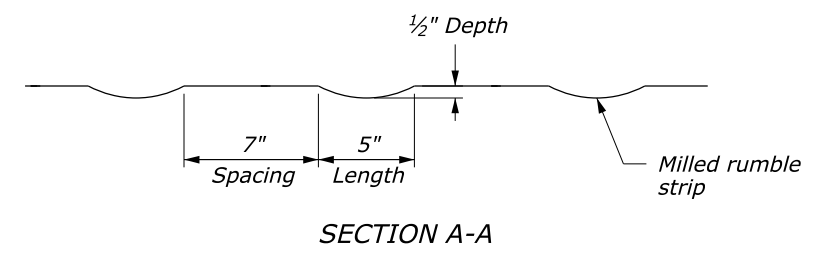
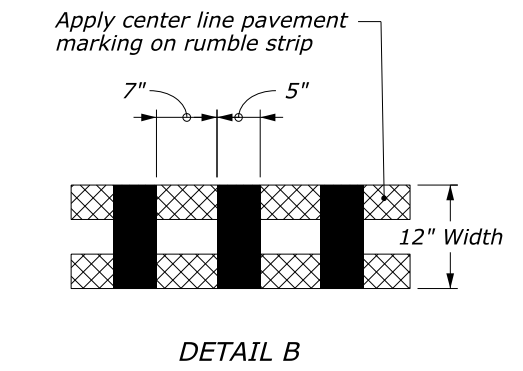
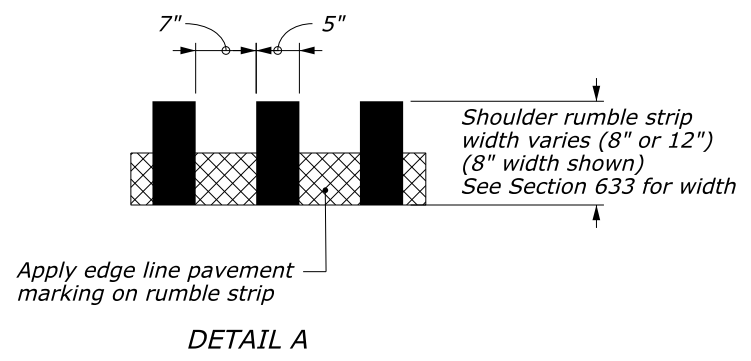
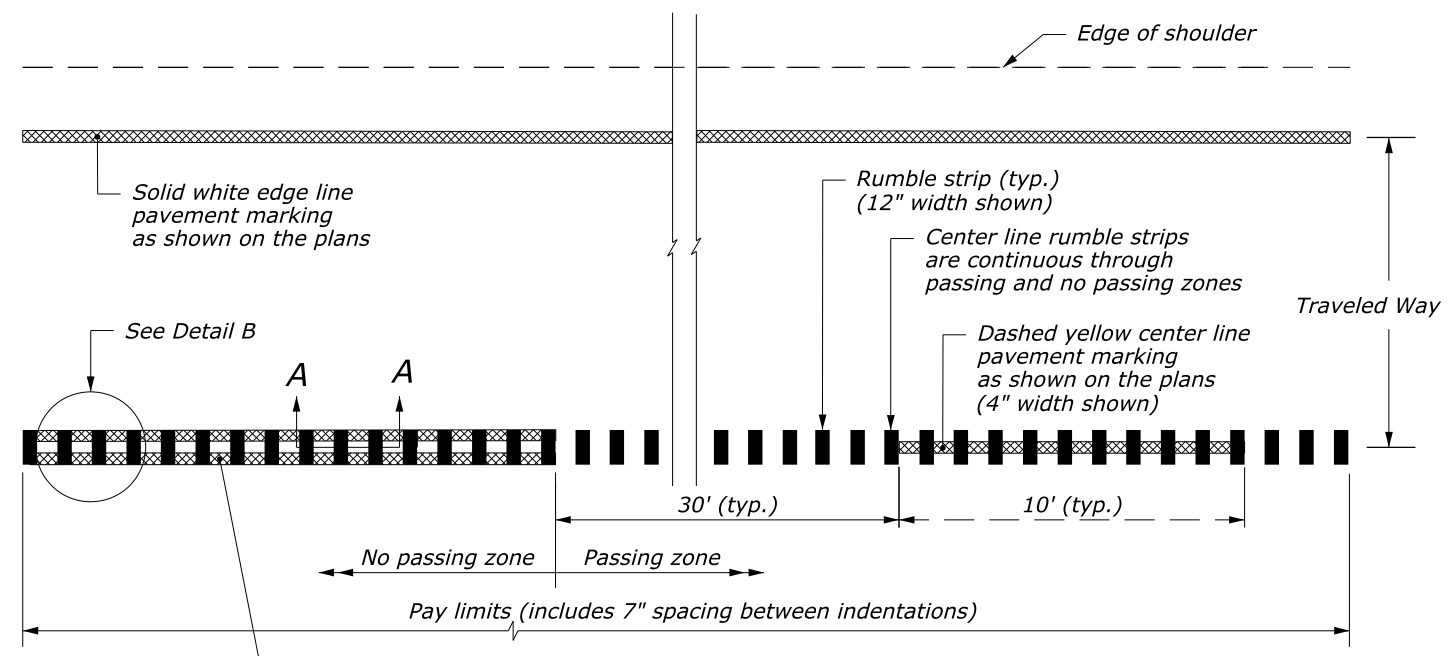


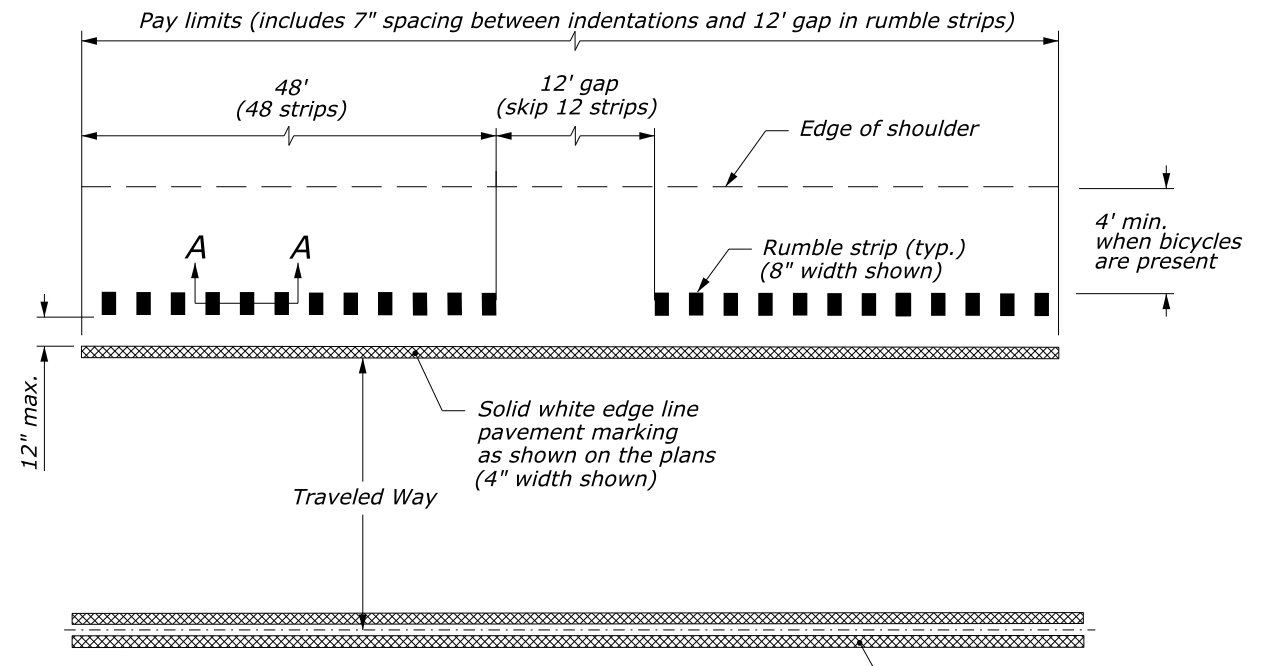
EDGE LINE RUMBLE STRIP WITH PAVEMENT MARKING (RUMBLE STRIPE)



- NOTE:**
1. See plans for location of shoulder rumble strip gaps at turn lanes, auxiliary lanes, and approach roads.
 2. Discontinue center line rumble strips at areas of turning traffic, such as intersections and major driveways.
 3. A rumble strip becomes a rumble stripe when an edge line or center line pavement marking is applied over the strip.



CENTERLINE RUMBLE STRIP/STRIPE



SHOULDER RUMBLE STRIP WITH OFFSET PAVEMENT MARKING

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NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
RUMBLE STRIPS	
DETAIL APPROVED FOR USE 01/2011	DETAIL
REVISED: 08/2014 DRAFT	C633-50

NOTES TO THE DESIGNER

Last Updated: January 2011

General Information

1. See the [CFLHD Supplement 8.7.1.4-1](#) for guidance on the use of rumble strips.
2. **Shoulder Rumble Strips**
 - Use in rural roads only (not developed areas with frequent access points, near campgrounds, near residential areas, etc.)
 - Travel lane width \geq 11 ft
 - When bicyclists use the shoulder, do not install when shoulder is less than 4 ft wide.
 - Consider installing shoulder rumble strips when:
 - Crash data indicates a high frequency and/or high severity of run-off-road and fixed object crashes
 - The clear zone is limited in width with severe roadside (steep drop-offs, large trees near edge of road, etc.)
 - Width of shoulder rumble strip
 - 12 in - high speed, high volume highways with truck traffic
 - 8 in - standard application for roads with a posted speed less than 50 mph and moderate volumes
3. **Centerline Rumble Strips**
 - Use in spot locations or continuously through a project.
 - Use in both passing and no-passing zones.
 - Travel lane width \geq 11 ft, Paved shoulder width \geq 2 ft
 - Generally use in mountainous terrain with frequent curvature

Applicable SCRs

1. Section 633
<http://www.cflhd.gov/resources/design/constructspecs/scr/fp14/documents/S633-14.docx>

Typical Pay Item Used

- 63313-0000 Rumble strip or 63313-1000 Rumble strip, shoulder (by the LNFT)
- 63314-0000 Rumble strip or 63314-1000 Rumble strip, shoulder (by the MILE)

Updates

January 2011

- New Detail drawing

August 2014

- Updated based on Safety Team recommendations, FP-14, new border