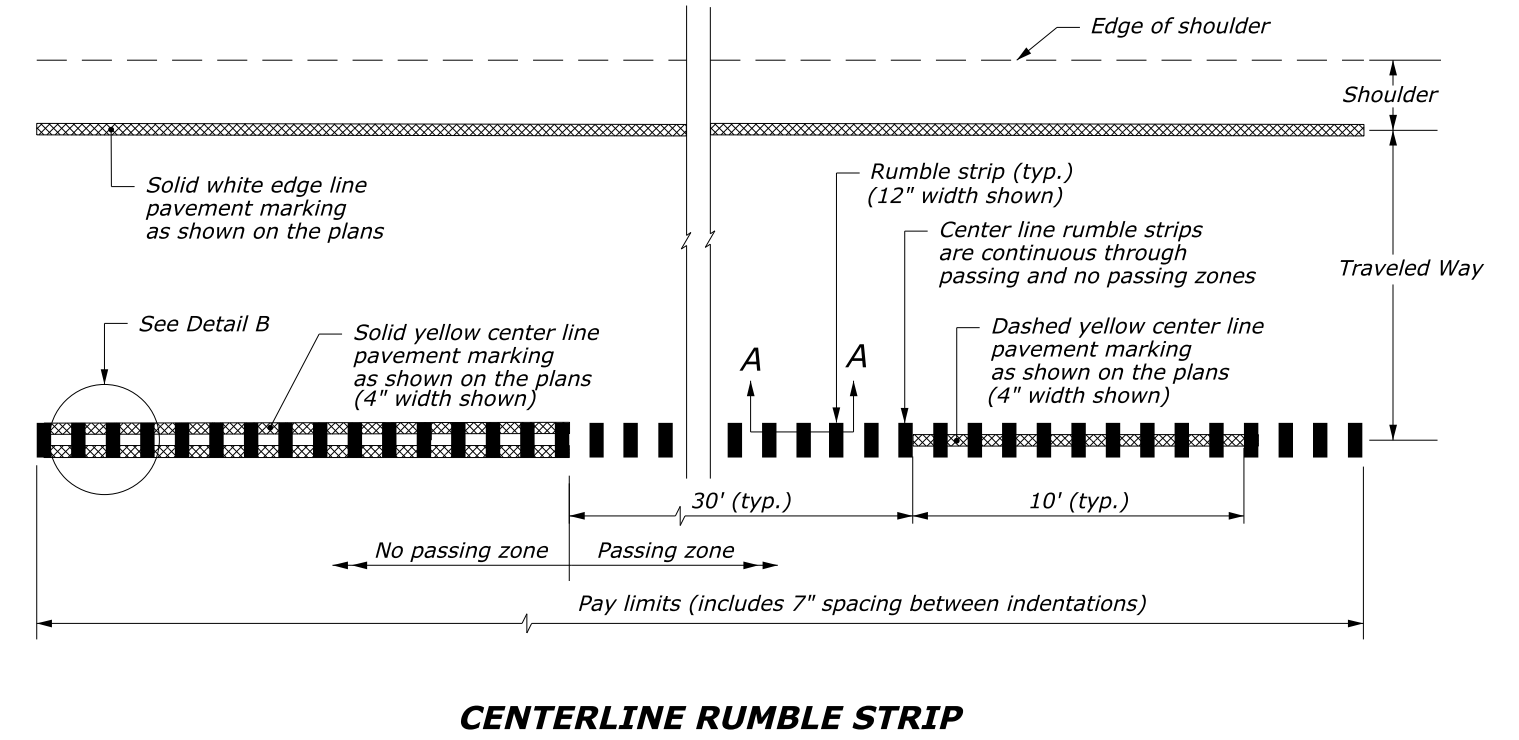
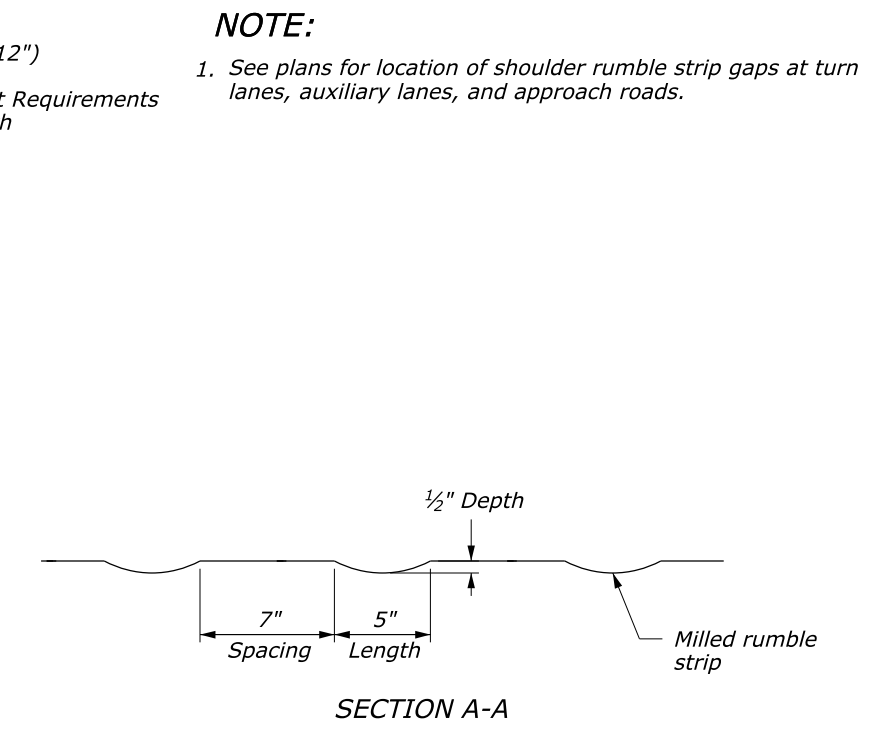
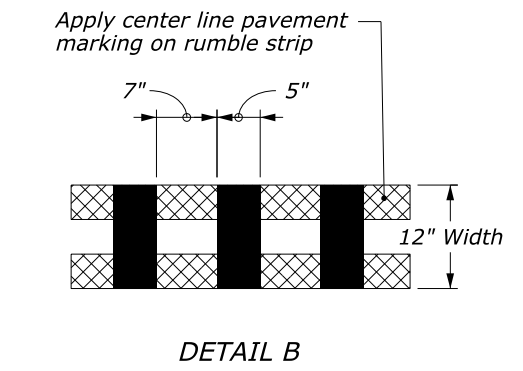
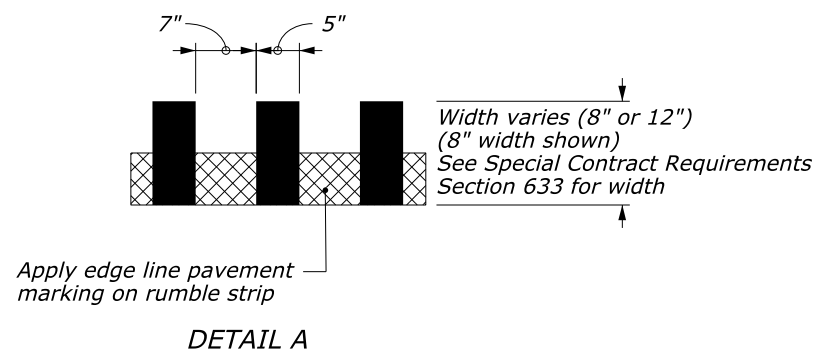
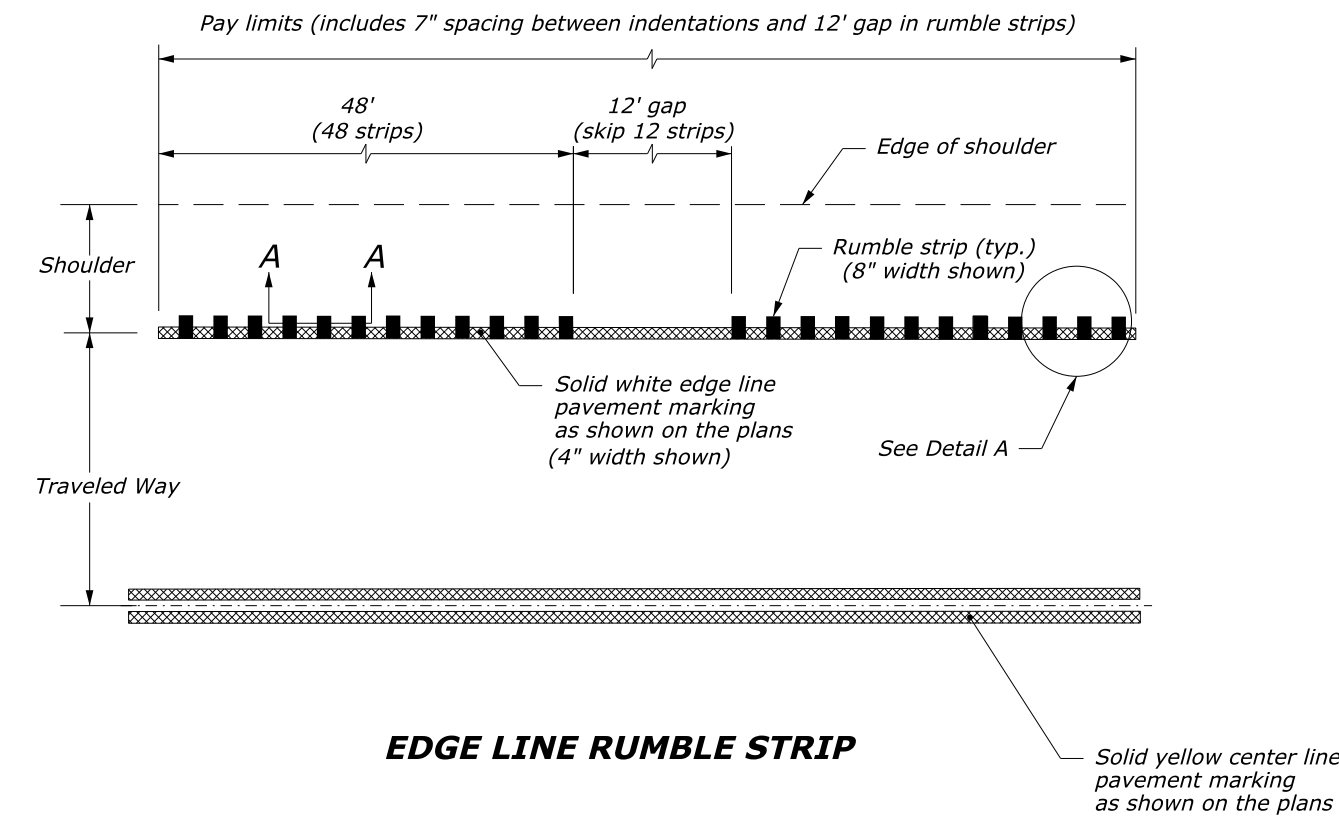
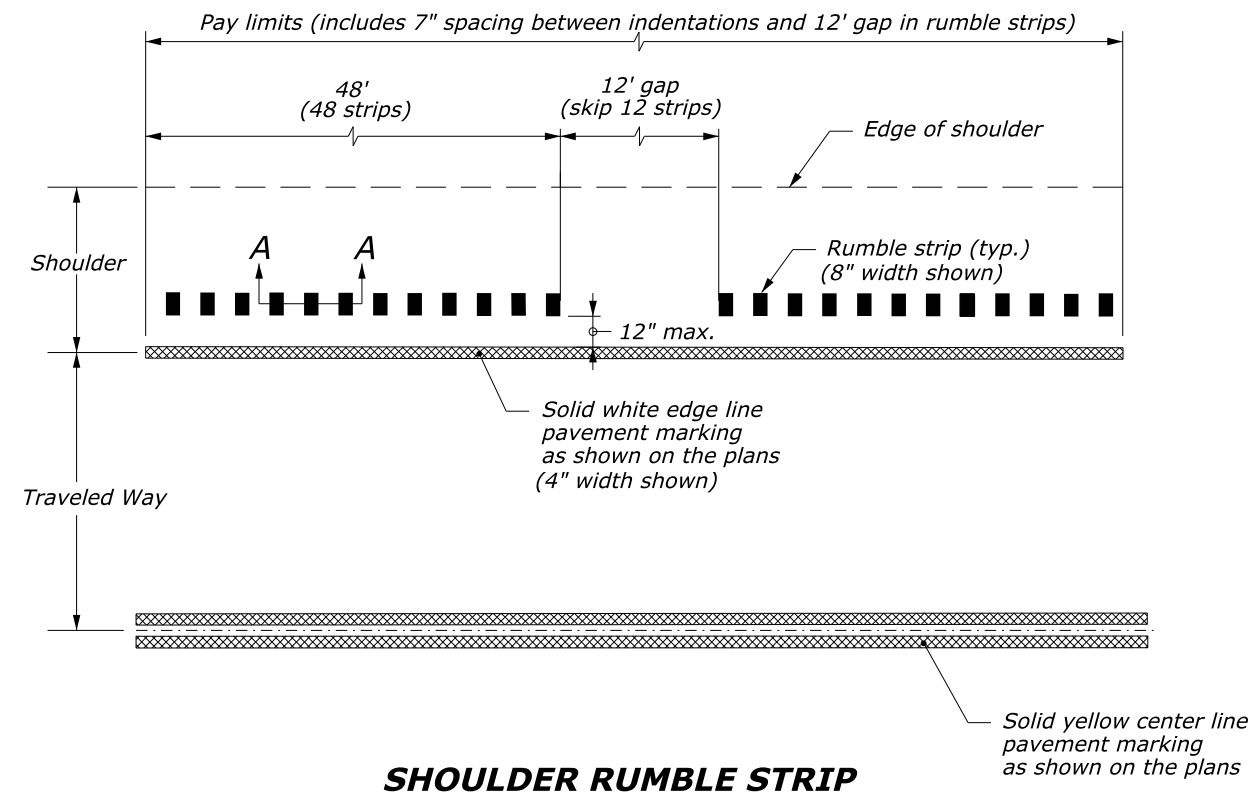


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NO SCALE

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 07/2017	C633-50

NOTES TO THE DESIGNER

Last Updated: July 2017

General Information

1. See the [CFLHD Supplement 8.7.1.4-1](#) for guidance on the use of rumble strips.
2. ***Shoulder and Edge Line 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 the shoulder clear width available is less than 4 ft wide.
 - Consider installing shoulder and edge line 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 and edge line 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
 - Provide gaps in the shoulder and edge line rumble strips near intersections. Refer to the [FLH Rumble Strip Guidelines](#) Figure 3a and 3b.
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
https://flh.fhwa.dot.gov/resources/specs/fp-14/cfl/documents/S633-14_05162017.docx

Typical Pay Item Used

- 63313-0000 Rumble strip (by the LNFT)
- 63314-0000 Rumble strip (by the MILE)

Updates

January 2011

- New Detail drawing

August 2014

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

July 2017

- Updated based on new research and guidance available