

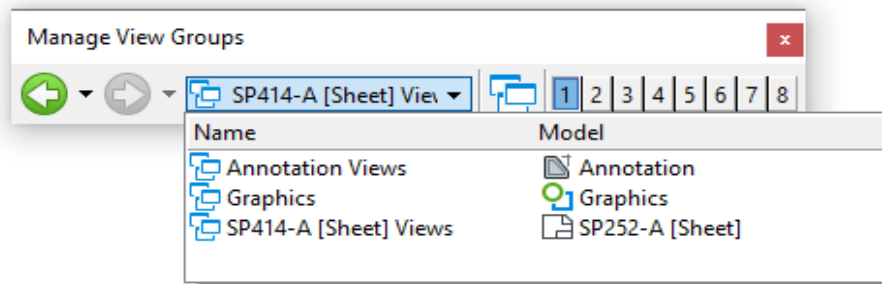
Notes to the Designer

Updated February 2024

Rumble Strips

General Information

- Printing should be done from the **[Sheet]** View model



- See the CFLHD Supplement 8.7.1.4-1 for guidance on the use of rumble strips.
- **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 ≥ 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 runoff-road and fixed object crashes
 - The clear zone is limited in width with severe roadside (steep dropoffs, 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 volumesProvide gaps in the shoulder and edge line rumble strips near intersections. Refer to the FLH Rumble Strip Guidelines Figure 3a and 3b.
- Centerline Rumble Strips
Use in spot locations or continuously through a project.
Use in both passing and no-passing zones.
Travel lane width ≥ 11 ft, Paved shoulder width ≥ 2 ft
Generally use in mountainous terrain with frequent curvature

Applicable SCRs

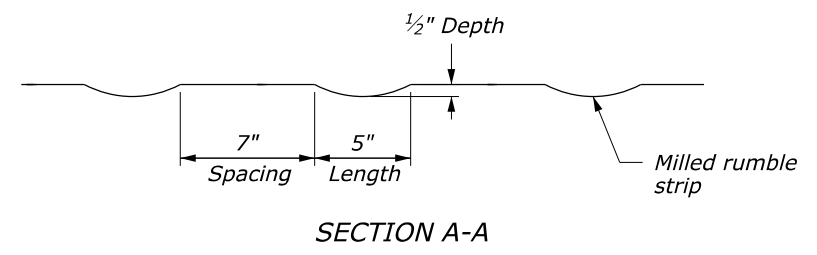
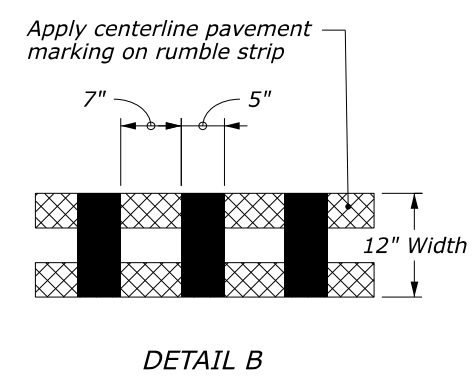
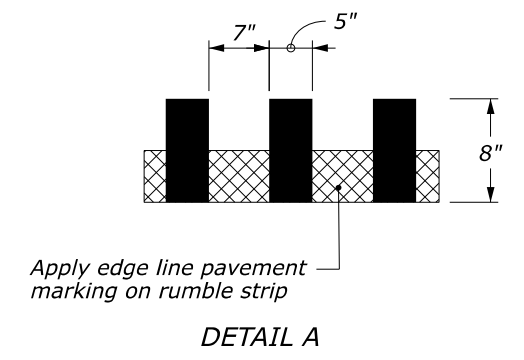
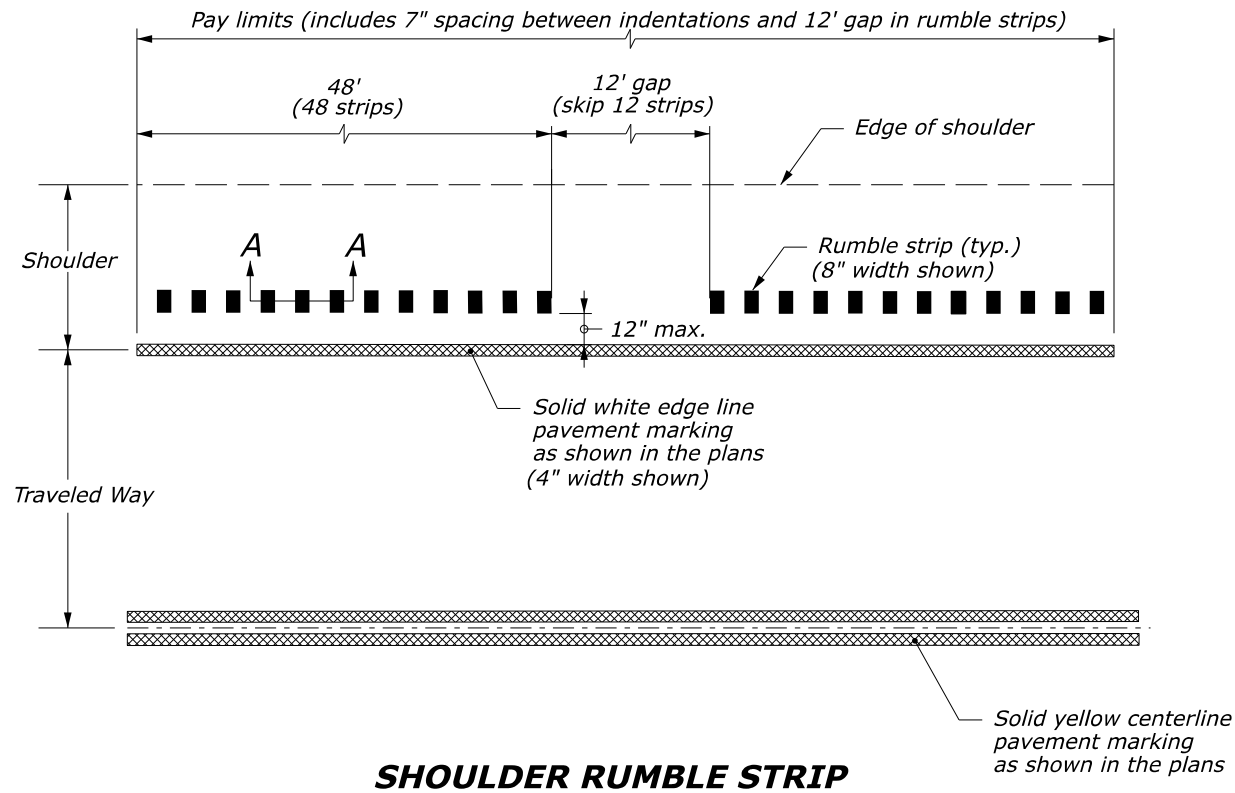
- **None for FP-24**

Typical Pay Item Used

- 63313-0000 Rumble Strip [LNFT]
- 63314-0000 Rumble Strip [MILE]

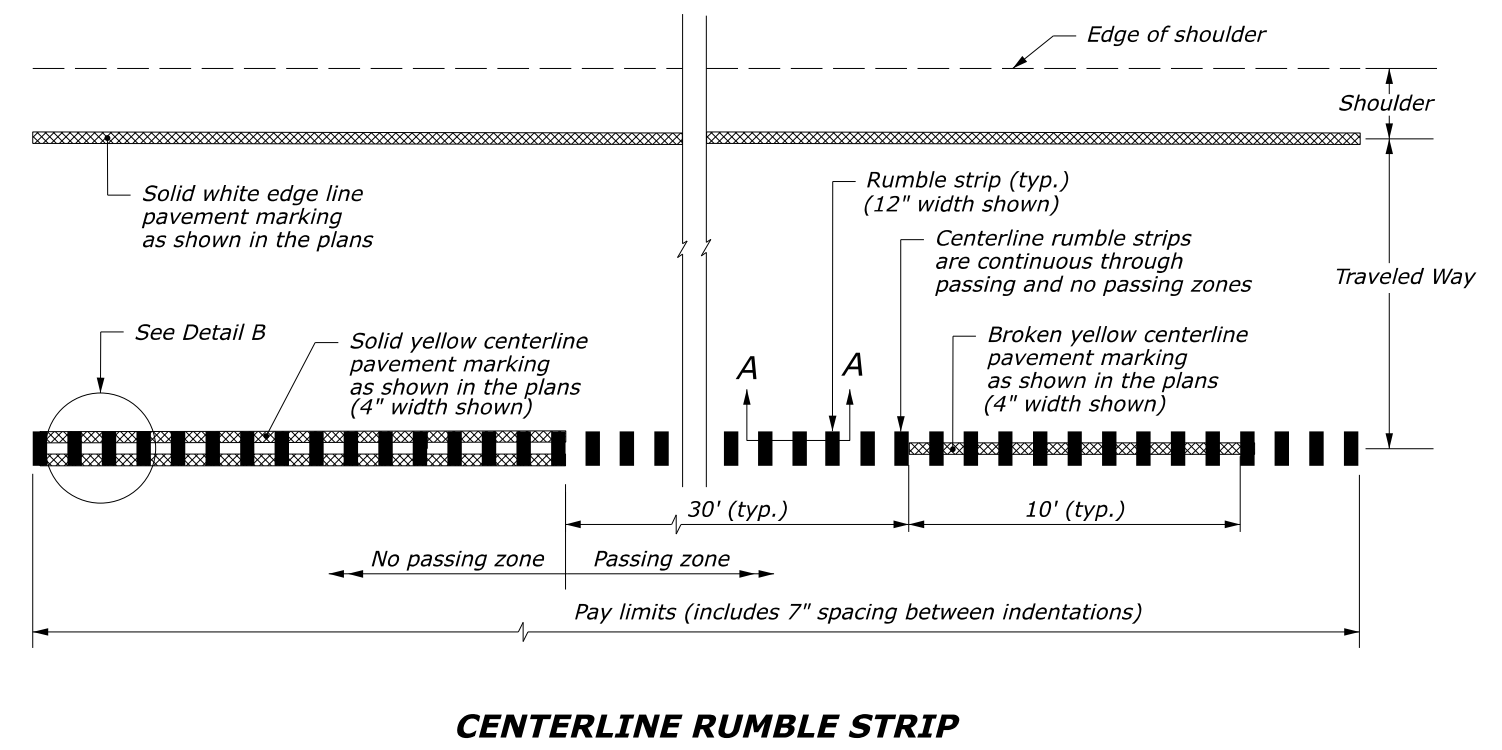
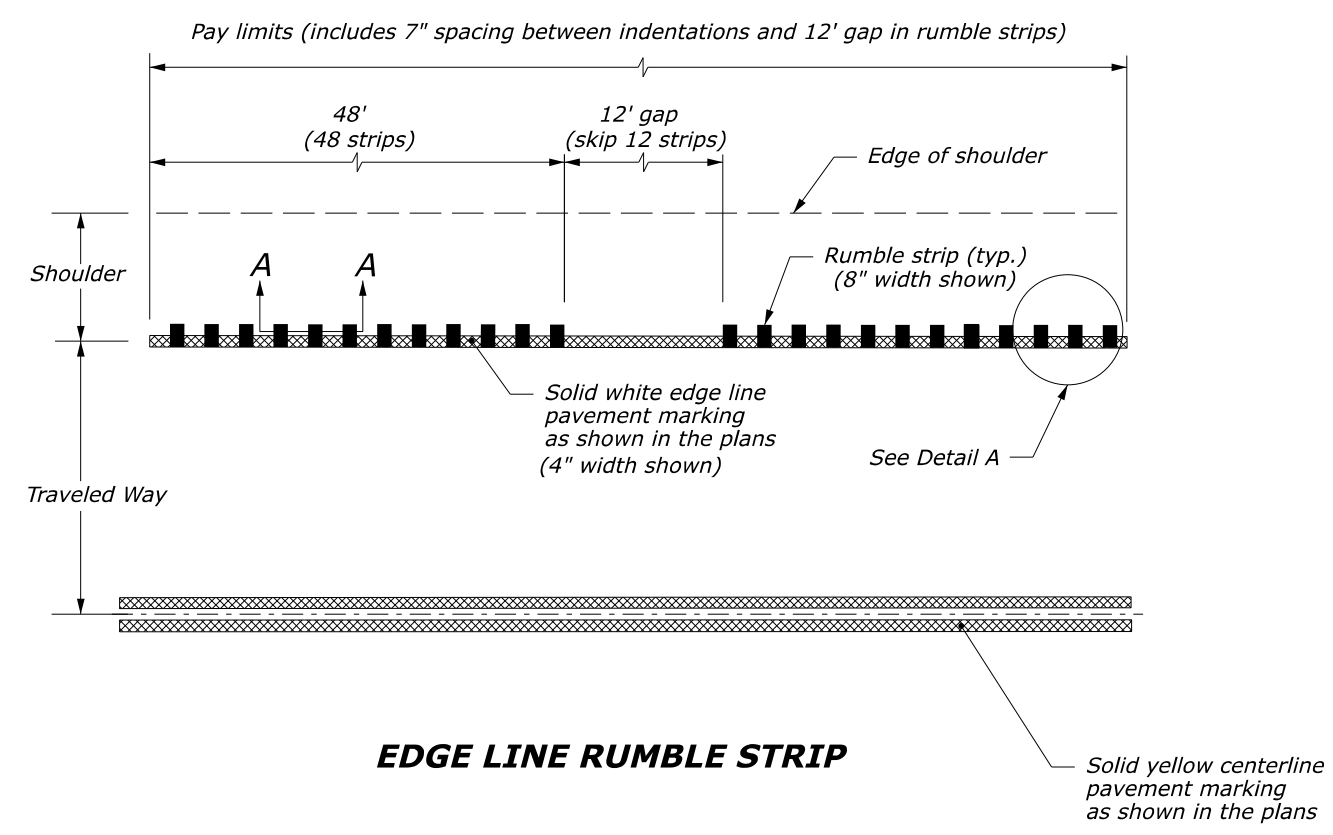
Updates

- **March 2011**
 - New CFL Detail drawing
- **August 2014**
 - Updated for FP-14
 - Updated Border
- **July 2017**
 - Updated based on new research and guidance available
- **October 2021**
 - Updated for OpenRoads Designer
- **May 2023**
 - Updated border; updated to international seed file
- **February 2024**
 - Updated border; Updated for FP24



NOTE:

1. See plans for location of shoulder rumble strip gaps at turn lanes, auxiliary lanes, and approach roads.
2. Do not construct rumble strips on structures or approach slabs.



NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	CFLHD DETAIL C633-50
RUMBLE STRIPS	SPECIFICATION FP-24
	APPROVED FOR USE 06/2024