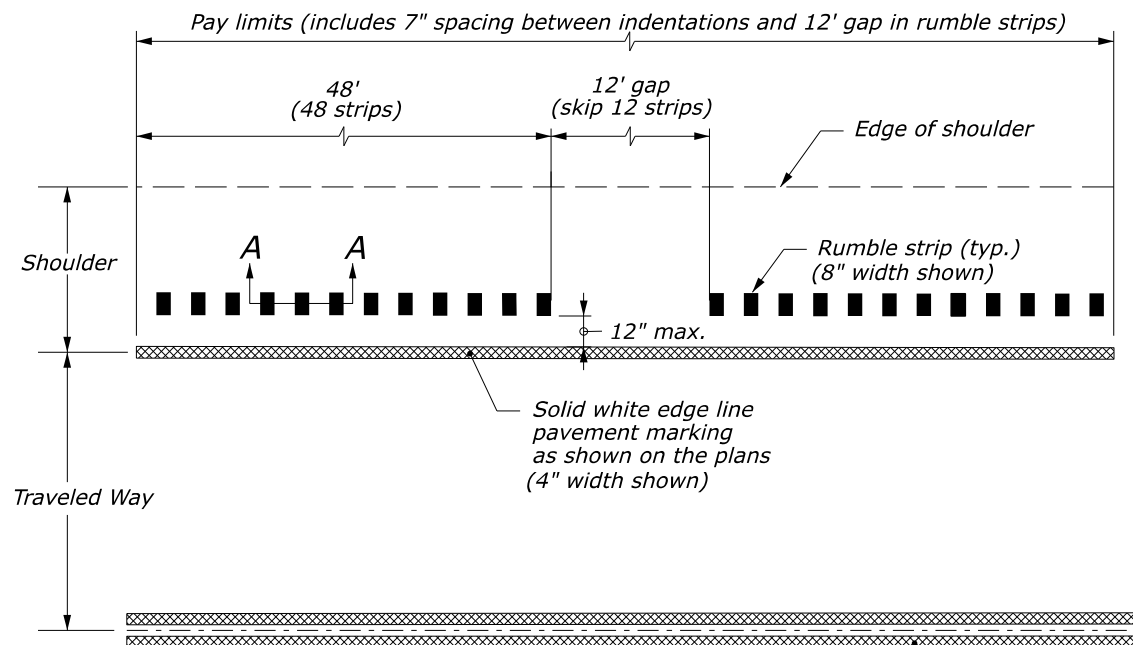
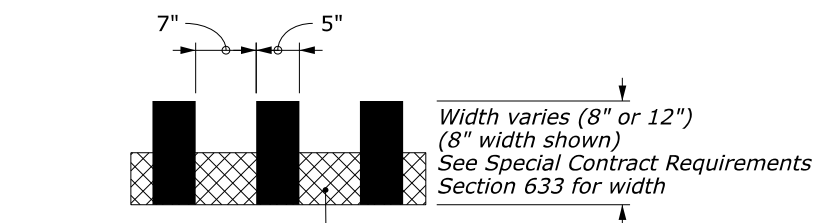


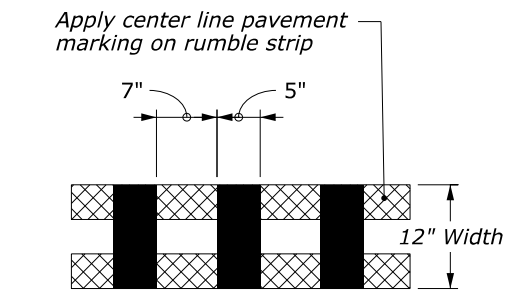
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ST	PROJECT NUMBER PROJECT NAME	



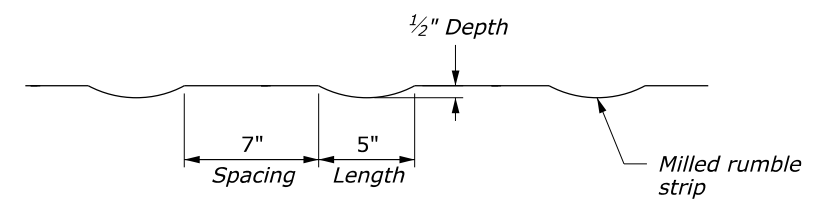
**SHOULDER RUMBLE STRIP**



**DETAIL A**

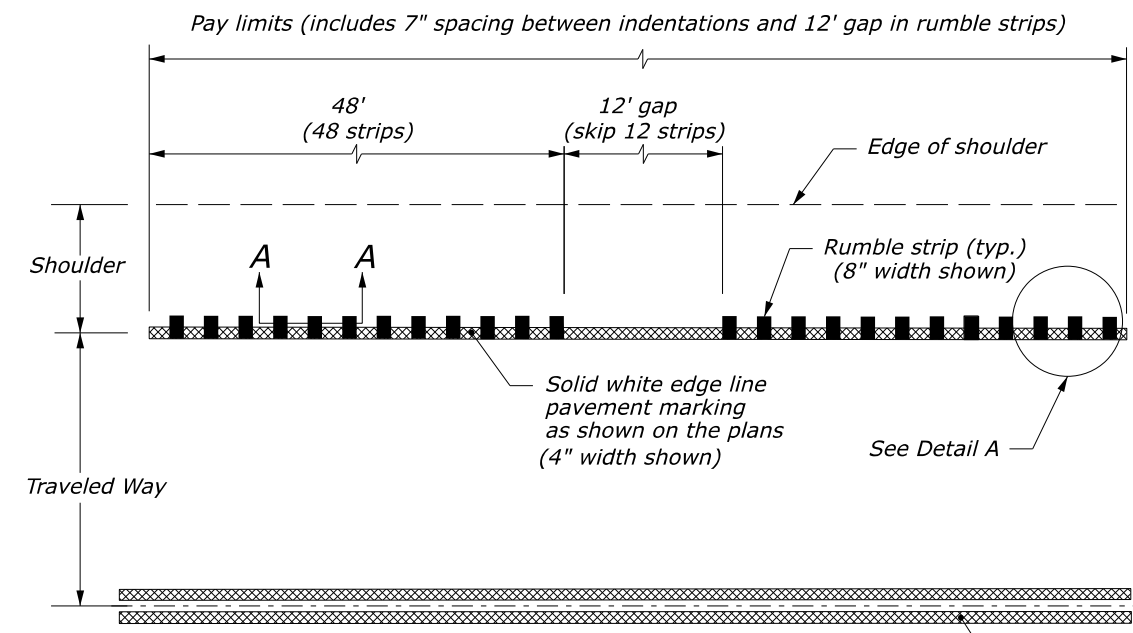


**DETAIL B**

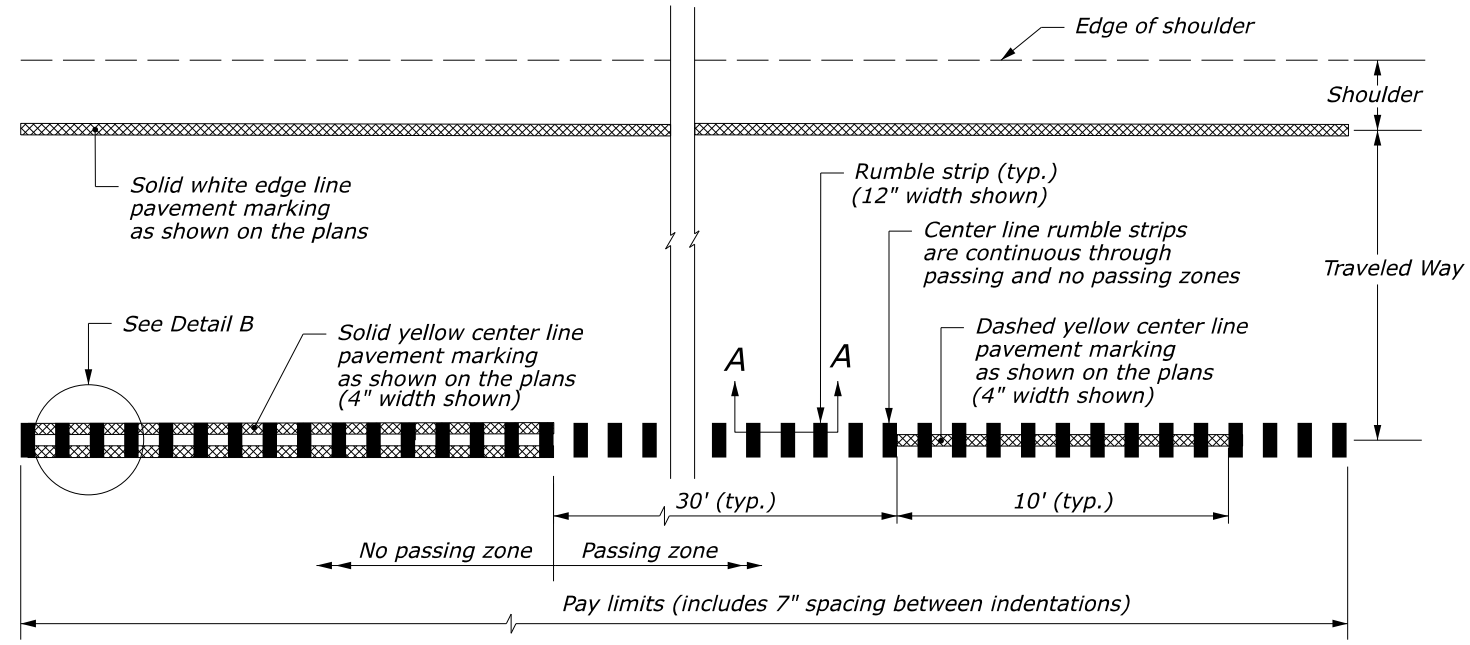


**SECTION A-A**

**NOTE:**  
1. See plans for location of shoulder rumble strip gaps at turn lanes, auxiliary lanes, and approach roads.



**EDGE LINE RUMBLE STRIP**



**CENTERLINE RUMBLE STRIP**

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**CFLHD DETAIL**

**RUMBLE STRIPS**

DETAIL APPROVED FOR USE 01/2011  
REVISID: 08/2014 07/2017 10/2021

DETAIL  
C629-51

NO SCALE

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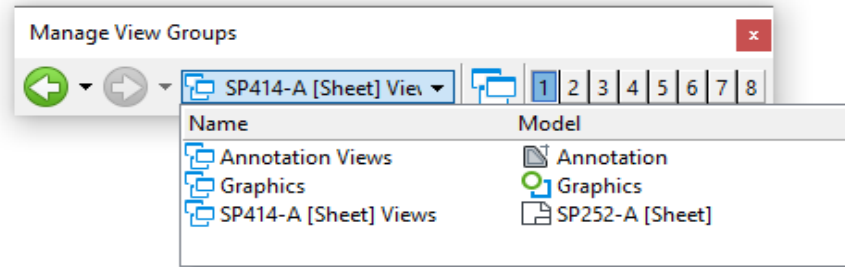
# Notes to the Designer

Updated October 2021

## 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  $\geq 11$  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 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  $\geq 11$  ft, Paved shoulder width  $\geq 2$  ft  
Generally use in mountainous terrain with frequent curvature

### Applicable SCRs

- Section 633. [https://flh.fhwa.dot.gov/resources/specs/fp-14/cfl/documents/S633-14\\_07312017.docx](https://flh.fhwa.dot.gov/resources/specs/fp-14/cfl/documents/S633-14_07312017.docx)

### 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