

National Committee on Uniform Traffic Control Devices

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Item No.: 24B-TTC-06

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NCUTCD RECOMMENDATION FOR CHANGES TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

COMMITTEE / TASK FORCE: Temporary Traffic Control Technical Committee

ITEM NUMBER: 24B-TTC-06

Rumble Strip Warning Sign TOPIC:

ORIGIN OF REQUEST: Gordon Wang

AFFECTED SECTIONS Sections 6H.31a, 6M.06

OF MUTCD:

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DEVELOPMENT HISTORY:

Approved by TTC TC: 06/29/2023, 01/08/2025

Approved by NCUTCD Council: 01/09/2025

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This is a recommended change to the MUTCD that has been approved by the NCUTCD Council. This proposal does not represent a revision of the MUTCD and does not constitute official MUTCD standards, guidance, or options. It will be submitted to FHWA for consideration for inclusion in a future MUTCD revision. The MUTCD can be revised only through the federal rulemaking process.

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SUMMARY:

One warning sign section is proposed to be created. A new section will introduce a RUMBLE STRIPS warning sign to provide a sign for an optional practice described in Section 6M.06.

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DISCUSSION:

Transverse rumble strips alert drivers to unusual vehicular traffic conditions. They are widely adopted by state DOTs (California, Texas, Massachusetts, to name a few). Rumble strips are effective in alerting drivers to the presence of a temporary traffic control zone. MUTCD Section 6M.06 Rumble Strips discusses the use of transverse rumble strips and presents an option to use a sign to alert users to the presence of rumble strips, but the MUTCD does not contain a rumble strip warning sign. Due to this lack of guidance, many agencies have created RUMBLE STRIPS warning signs but sign design and use vary. This proposal creates a new section in Chapter 6H, introduces a new sign, and cross references the existing Section 6M.06.

RECOMMENDED MUTCD CHANGES:

The following present the proposed changes to the current MUTCD within the context of the current MUTCD language. Proposed additions to the MUTCD are shown in <u>blue underline</u> and proposed deletions from the MUTCD are shown in <u>red strikethrough</u>. Changes previously approved by NCUTCD Council (but not yet adopted by FHWA) are shown in <u>green double underline</u> for additions and <u>green double strikethrough</u> for deletions. In some cases, background comments may be provided with the MUTCD text. These comments are indicated by <u>[bracketed white text in shaded green]</u>.

PART 6 TEMPORARY TRAFFIC CONTROL

CHAPTER 6H. TTC ZONE WARNING SIGNS Table 6H-1. Temporary Traffic Control Zone Warning Sign and Plaque Sizes (Sheet 1 of 2)

[Only a few sample lines of Table 6H-1 shown.]

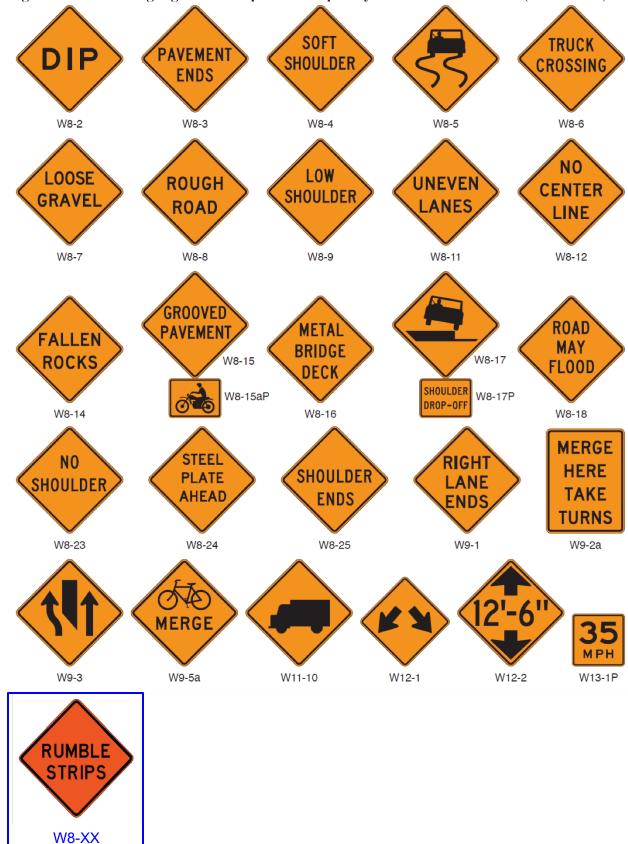
Sign or Plaque	Sign Designation	Section	Conventional Road	Freeway or Expressway	Minimum
Steel Plate Ahead	W8-25	6H.28	36x36	48x48	30x30
Shoulder Ends	W8-25	6H.01	36x36	48x48	30x30
Rumble Strips	<u>W8-XX</u>	<u>6H.31a</u>	<u>36x36</u>	<u>48x48</u>	<u>30x30</u>
Lane Ends	W9-1, 2	6H.01	36x36	48x48	30x30

Section 6H.31a RUMBLE STRIPS Sign (W8-XX)

51 Option:

- on The RUMBLE STRIPS (W8-XX) sign (see Figure 6H-1) may be used to provide warning of
- transverse rumble strips (see section 6M.06).
- 54 02 The legend RUMBLE STRIPS XX FEET or RUMBLE STRIPS AHEAD may be used instead of the
- 55 legend RUMBLE STRIPS on the W8-XX sign.

Figure 6H-1. Warning Signs and Plaques in Temporary Traffic Control Zones (Sheet 2 of 4)



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CHAPTER 6M. TTC ZONE DESIGN FEATURES AND DEVICES THAT ARE NOT TRAFFIC CONTROL DEVICES

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Section 6M.06 Rumble Strips

- 62 Support:
- Transverse rumble strips consist of intermittent, narrow, transverse areas of rough-textured or
- slightly-raised or depressed road surface that extend across the travel lanes to alert drivers to unusual
- vehicular traffic conditions. Through noise and vibration they attract the driver's attention to such features
- as unexpected changes in alignment and to conditions requiring a stop.
- 67 02 Longitudinal rumble strips consist of a series of rough-textured or slightly-raised or depressed road
- surfaces located along the shoulder to alert road users that they are leaving the travel lanes.
- 69 **Standard:**
- 70 os If it is desirable to use a color other than the color of the pavement for a longitudinal rumble
- strip, the color of the rumble strip shall be the same color as the longitudinal line the rumble strip
- **supplements.**
- 73 o4 If the color of a transverse rumble strip used within a travel lane is not the color of the
- pavement, the color of the rumble strip shall be white, black, or orange.
- 75 Option:
- 76 os Intervals between transverse rumble strips may be reduced as the distance to the approached
- conditions is diminished in order to convey an impression that a closure speed is too fast and/or that an
- 78 action is imminent. A RUMBLE STRIPS (W8-XX) sign warning drivers of the onset of rumble strips
- may be used to warn drivers placed in advance of any transverse rumble strip installation (see Section
- 80 6H.31a).
- 81 Guidance:
- 82 of Transverse rumble strips should be placed transverse to vehicular traffic movement. They should not
- 83 adversely affect overall pavement skid resistance under wet or dry conditions.
- 84 or In urban areas, even though a closer spacing might be warranted, transverse rumble strips should be
- designed in a manner that does not promote unnecessary braking or erratic steering maneuvers by road
- 86 users.
- 87 os Transverse rumble strips should not be placed on sharp horizontal or vertical curves.
- 88 op Rumble strips should not be placed through pedestrian crossings or on bicycle routes.
- 89 10 Transverse rumble strips should not be placed on roadways used by bicyclists unless a minimum
- 90 clear path of 4 feet is provided at each edge of the roadway or on each payed shoulder.
- 91 11 Longitudinal rumble strips should not be placed on the shoulder of a roadway that is used by
- 92 bicyclists unless a minimum clear path of 4 feet is also provided on the shoulder.