

MICHIGAN
DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION
FOR
TEMPORARY RUMBLE STRIPS (ORANGE)

COS:SAH

1 of 2

APPR:CGB:KJK:03-23-26
FHWA:APPR:03-25-26

Delete the first two paragraphs of subsection 812.03.D.14, on page 8-93 of the Standard Specifications for Construction and replace it with the following:

14. Temporary Rumble Strips (Orange). Do not apply or replace the rumble strips unless the pavement surface temperature is 40 °F and rising, and dry. The pavement must be free of excess surface and subsurface moisture that may affect bonding. Do not use artificial heat. Clean all foreign and contaminating material from the surface of the pavement prior to application of the rumble strips. When replacing, remove only the damaged individual rumble strips identified by the Engineer across the entire lane width being replaced.

Provide temporary rumble strips that are composed of a polymer with pre-applied adhesive, orange, and a tensile strength of 250 psi. Provide primer in accordance with the manufacturer's recommendations.

The completed temporary rumble strip consists of one layer of the 0.25- by 4-inch material.

Apply the primer to the surface of the pavement only if recommended by the manufacturer. Place the pre-adhesive surface of the rumble strip on the primer or directly on the pavement surface, as recommended by the manufacturer. Seat the rumble strips with a minimum of three passes of a 200-pound weighted roller.

If the temporary rumble strips lose their adhesion to the pavement during the life of the project, replace or re-adhere them, as directed by the Engineer. Upon completion of the project, or as directed by the Engineer, entirely remove the temporary rumble strips using a method that does not permanently damage the pavement surface.

Delete subsection 812.03.D.14.b, on pages 8-94 through 8-95 of the Standard Specifications for Construction and replace it with the following:

b. Temporary Rumble Strips (Orange) in Advance of a Work Zone.

- i. On freeway projects where a lane closure or crossover shift will be in the same location for 14 consecutive days or longer, place three sets of nine rumble strips in advance of a lane closure in each direction of the roadway for a total of six sets of nine rumble strips. Ensure that the rumble strips cover the entire width of the roadway from edge of metal to edge of metal. Place the temporary rumble strips as follows:

(a) Apply one set of nine rumble strips, each spaced 1.5 feet apart from edge to

edge, placed approximately 700 feet upstream of the beginning taper;

- (b) Apply one set of nine rumble strips, each spaced 5 feet apart from edge to edge, placed approximately 1,400 feet upstream of the beginning of the taper; and
 - (c) Apply one set of nine rumble strips, each spaced 10 feet apart from edge to edge, placed approximately 2,800 feet upstream of the beginning of the taper.
- ii. On freeway projects where additional emphasis may be needed, the Engineer may authorize an additional set of nine rumble strips, each spaced 5 feet apart from edge to edge. Rumble strips are to be placed at locations as directed by the Engineer but are generally intended to call attention to another device providing motorist information. The additional rumble strips are to be placed approximately 1,400 feet in advance of a target notification device. Examples of these devices include but are not limited to advance warning signing, dynamic stopped traffic advisory system signing, and global project signing.

Delete subsection 812.04.U, on page 8-124 of the Standard Specifications for Construction and replace it with the following:

U. Temporary Rumble Strips. Temp Rumble Strips (Orange), Stop Condition and Temp Rumble Strips (Orange), Advance of a Work Zone includes all labor, equipment, and material required to furnish, install, maintain, and remove rumble strips, including providing traffic control during all installation, maintenance, and removal operations. The Engineer will measure the cumulative length of the individual 4-inch strips, perpendicular to the pavement centerline, to determine the quantity for payment.

Replacement will be paid at the original unit price and include the entire lane width being replaced, measured as the cumulative length of the individual 4-inch strips, perpendicular to the pavement centerline, and includes any removal required prior to installation of the replacement strip.