

## 801-T-209 TEMPORARY PORTABLE RUMBLE STRIPS

(Revised 05-25-17)

The Standard Specifications are revised as follows:

SECTION 801, AFTER LINE 27, INSERT AS FOLLOWS:

*Temporary Portable Rumble Strips* ..... 923.05.1

SECTION 801, AFTER LINE 646, INSERT AS FOLLOWS:

**5. Temporary Portable Rumble Strips**

*Temporary portable rumble strips shall be placed as shown on the plans or as directed by the Engineer. Each strip, whether comprised of one segment or interlocking segments, shall extend to within 12 in. of the full lane width and be arranged in an array consisting of three complete strips spaced and configured in accordance with the manufacturer's recommendations, or as shown on the plans.*

*The Contractor shall verify placement with the Engineer prior to installation. Temporary portable rumble strips shall be removed from the roadway when no lane restrictions exist or as directed by the Engineer. When approved or directed by the Engineer, the temporary portable rumble strips shall be secured to the pavement, in accordance with the manufacturer's recommendations.*

*Prior to placement of the rumble strip, the roadway shall be cleaned to remove dust, sand, and other debris. The minimum roadway temperature at the time of installation shall be in accordance with manufacturer recommendations.*

*The queue length for initial rumble strip placement shall be as shown on the plans.*

*The Contractor shall confirm the location of the maximum queue each day during the first three days following the initial installation of the temporary portable rumble strips or following a MOT phase change. Based on the preceding days observation and at the direction of the Engineer, the Contractor shall adjust placement of the rumble strip arrays and associated signs as detailed on the plans to obtain optimal placement for the prevailing traffic conditions. This relocation work shall not be performed during peak hour traffic periods.*

*The Contractor shall ensure that the rumble strips are perpendicular to the lane and that the correct spacing between rumble strips is maintained. Positioning of the rumble strips shall be corrected if any strip moves by more than 6 in. during the work period. If any strip comes out of alignment, it shall be cleaned on both sides, and reset onto a clean roadway surface.*

SECTION 801, AFTER LINE 924, INSERT AS FOLLOWS:

*Temporary portable rumble strips will be measured by the number of calendar days each array is used.*

SECTION 801, AFTER LINE 1006, INSERT AS FOLLOWS:

*Temporary portable rumble strips will be paid for at the contract unit price per*

*day per each array. Payment will be made only once regardless of how many times the strips are moved or adjusted.*

SECTION 801, AFTER LINE 1081, INSERT AS FOLLOWS:

*Temporary Portable Rumble Strips ..... DAY*

SECTION 801, AFTER LINE 1130, INSERT AS FOLLOWS:

*The cost of furnishing, installing, moving, maintaining, cleaning the existing pavement and removing the temporary portable rumble strips shall be included in the pay item.*

SECTION 923, AFTER LINE 209, INSERT AS FOLLOWS:

**923.05.1 Temporary Portable Rumble Strips**

*The temporary portable rumble strips shall consist of thermoset cast urethane, engineered polymers, or rubber materials. The temporary portable rumble strips shall be manufactured for use at ambient temperatures from 0 to 110°F and able to withstand vehicles up to 80,000 lbs with minimal movement. The temporary portable rumble strip shall be less than 1 in. in height and consists of a single collapsible segment or be comprised of interlocking sections that shall extend to within 1 ft of the full lane width.*

*Each rumble strip shall be capable of being installed without adhesives or bolts. The face of the rumble strip shall be a non-slip textured surface. The colors of the temporary rumble strip materials may vary and are subject to approval by the Engineer prior to use.*

*A type C certification in accordance with 916 shall be provided.*

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