ITEM 619.22000014 - PORTABLE TEMPORARY RUMBLE STRIPS (PTRS)

DESCRIPTION
This work shall consist of furnishing, installing, maintaining, and removing Portable Temporary Rumble Strips (PTRS), in accordance with the contract documents and as directed by the Engineer.

MATERIALS
PTRS material shall consist of thermoset cast urethane, engineered polymers, or rubber materials and shall be manufactured for use at temperatures from 0 to 180°F. PTRSs shall be able to withstand vehicles up to 80,000 pounds with minimal movement. PTRSs shall be less than one inch in height and consist of a single collapsible segment, or comprise multiple interlocking sections. Each PTRS shall be capable of being installed without adhesives or bolts. The face of each PTRS shall have a non-slip textured surface. Each PTRS shall be black in color.

The PTRS installed shall be manufactured by either:

RoadQuake 2F Temporary Portable Rumble Strips by PSS Innovations for Safety
2444 Baldwin Road, Cleveland, Ohio 44104 USA
http://pss-innovations.com/Products/Rumble-Strips.aspx

Or

TrafFix Alert Rumble Strips by TrafFix Devices Inc.
160 Avenida La Pata San Clemente, CA 92672 USA
https://www.traffixdevices.com/products/additional/traffix-alert

CONSTRUCTION DETAILS
PTRSs shall be placed in arrays consisting of three complete strips spaced and configured as shown on the attached details or as directed by the Engineer. Each strip, whether comprised of one segment or interlocking segments, shall be placed such that a minimum clear path of four feet is provided at each edge of the roadway or on each paved shoulder. 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.

The Contractor shall ensure that all PTRS are perpendicular to the lane, and that the correct spacing between rumble strips is maintained. Positioning of the rumble strips shall be checked every four hours, and corrected if any strip moves by more than 6 inches.

METHOD OF MEASUREMENT
This work will be measured as a set of three Portable Temporary Rumble Strips (PTRS) per lane satisfactorily furnished, installed, maintained, and removed.

BASIS OF PAYMENT
The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work. Pavement cleaning, if necessary, shall be included.
ITEM 619.22000014 - PORTABLE TEMPORARY RUMBLE STRIPS (PTRS)

NYSDOT
WORK ZONE TRAFFIC CONTROL
SHORT-TERM STATIONARY OPERATION INVOLVING DAYTIME LANE CLOSURE WITH FLAGGERS & PORTABLE TEMPORARY RUMBLE STRIPS ON RURAL TWO-LANE CONVENTIONAL HIGHWAY

NYW8-15
38x36 in. Portable Temporary Rumble Strips (PTRS)

A = Primary PTRS Array
B = Secondary PTRS Array (Optional)
F = Flag tree* *Optional

250 FT. (Min.) from Flagger*
500 FT. (13 Skip Lines)
120 FT. (3 Skip Lines)
200-300 FT. (5-7 Skip Lines)
50FT Min-100 FT. Max. (1.5 - 2.5 Skip Lines)
Cone spacing not to exceed 40 FT. (1 Skip Line)

500 FT. (13 Skip Lines)
120 FT. (3 Skip Lines)
250 FT. (Min.) from Flagger*
500 FT. (13 Skip Lines)

NOT TO SCALE
ITEM 619.22000014 - PORTABLE TEMPORARY RUMBLE STRIPS (PTRS)

NYSDOT WORK ZONE TRAFFIC CONTROL
SHORT-TERM STATIONARY OPERATION INVOLVING RIGHT LANE CLOSURE w/ PORTABLE TEMPORARY RUMBLE STRIPS ON FREEWAY OR EXPRESSWAY

NYW8-16 36x36 in. Portable Temporary Rumble Strips (PTRS)

A = Primary PTRS Array
B = Secondary PTRS Array (Optional)

W20-1 48x48 in.
W20-5R 48x48 in.
W4-2R 48x48 in.

NYW8-33 48x24 in.
G20-2 48x24 in.

Lane Closed
Roll Ahead Distance 80 FT. (2 Skip Lines)
Splicer Recommended
Cone spacing not to exceed 40 FT. (1 Skip Line)
Vehicle #2 is Recommended but may be required on shoulders 8ft or greater, and may be a vehicle other than a large dump. TMIA is Required

See Table for Merging Taper Distance

1000 FT. (2 Reference Markers)
1500 FT. (3 Reference Markers)
2000 FT. (5 Reference Markers)

Speed Limit (Mph) Merging Taper based on Lane Shift Shoulder Taper based on 4' - 6' Shift

<table>
<thead>
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<th>Speed Limit (Mph)</th>
<th>10'</th>
<th>11'</th>
<th>12'</th>
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<tbody>
<tr>
<td>55</td>
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<tr>
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<td>650'</td>
<td>715'</td>
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NOT TO SCALE