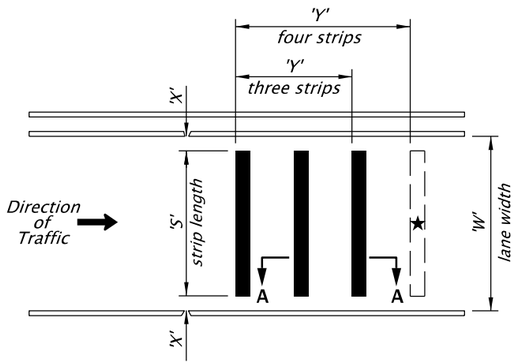


$'X' = \frac{'W' - S}{2}$

'W' = Width of travel lane in feet

'S' = Portable rumble strip length in feet (10'-11')

'Y' = ('N'-1)('Z')

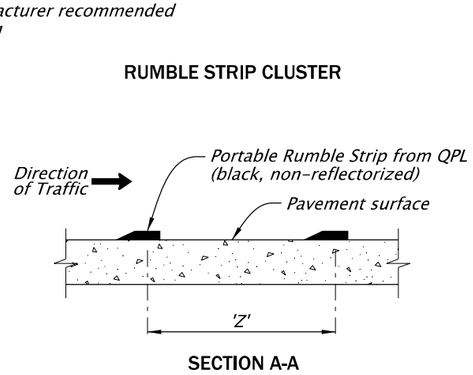
'N' = Number of strips

'Z' = Manufacturer recommended spacing

NOTE:
Do not include motorcycle gap with portable transverse rumble strips.

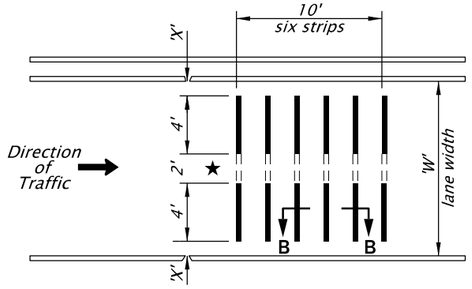
★ Optional 4th Strip. Follow manufacturer recommended specifications

RUMBLE STRIP CLUSTER



SECTION A-A

PORTABLE TRANSVERSE RUMBLE STRIPS
(For use on pavement courses)



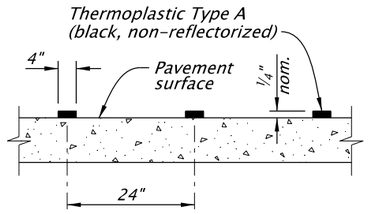
$'X' = \frac{'W' - 10}{2}$

'W' = Width of travel lane in feet

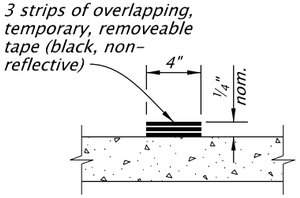
★ Where a significant number of motorcyclists can be expected, consider providing a 2 foot gap as shown.

NOTES:
1. Thermoplastic strips should be used where strips are needed for 14 days or more.
2. For shorter durations, overlapped removeable tape may be used. See Tape Overlap Detail below.

RUMBLE STRIP CLUSTER

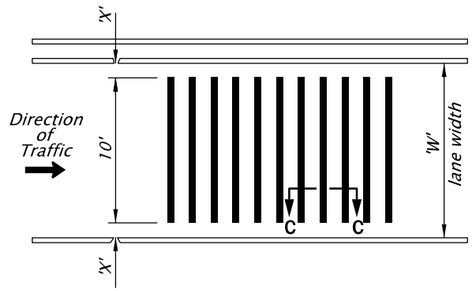


SECTION B-B



TAPE OVERLAP DETAIL

RAISED TRANSVERSE RUMBLE STRIPS
(For use on wearing courses)

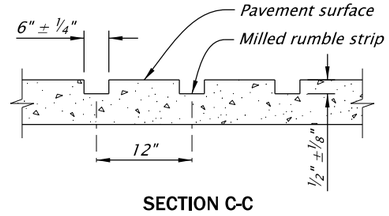


$'X' = \frac{'W' - 10}{2}$

'W' = Width of travel lane in feet

NOTE:
Motorcycle gap not necessary for milled transverse rumble strips.

RUMBLE STRIP CLUSTER



SECTION C-C

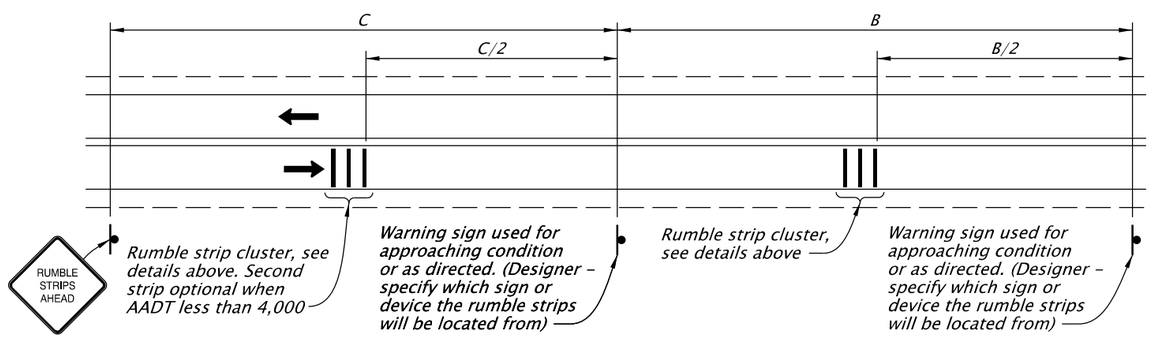
MILLED TRANSVERSE RUMBLE STRIPS
(For use on base courses)*

*When project includes pavement overlay, rumble strips may be milled into existing surfacing.

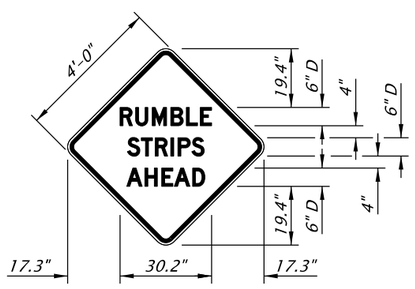
GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Approval is not required for portable transverse rumble strips during short-term daylight work. Region Traffic Engineer approval is required for portable transverse rumble strips during intermediate-term work, including night work. State Traffic-Roadway Engineer approval is required for all other installations. See ODOT Traffic Manual for further information.
2. DO NOT use white or other colored material for temporary rumble strips. Use black material only.
3. Multi-lane roadways shall have rumble strips clusters in each thru lane.
4. As directed, "BUMP" signs (W8-1) may be placed at each rumble strip cluster for additional warning.

TEMPORARY TRANSVERSE RUMBLE STRIPS



RUMBLE STRIP PLACEMENT



SIGN DETAIL

The selection and use of this detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

OREGON DEPARTMENT OF TRANSPORTATION

ENGINEERING AND TECHNICAL SERVICES BRANCH

TEMPORARY TRANSVERSE RUMBLE STRIPS

DETAIL NO. **DET4710**

DET4710.dgn 22-APR-2024