

**SURFACE APPLIED TRANSVERSE RUMBLE STRIPS**  
**PERMANENT / SEMI PERMANENT**  
**THERMOPLASTIC OR APPROVED ADHESIVE PRODUCT**

**SPECIAL SIGN DETAIL**  
TN-78 (48" x 48")

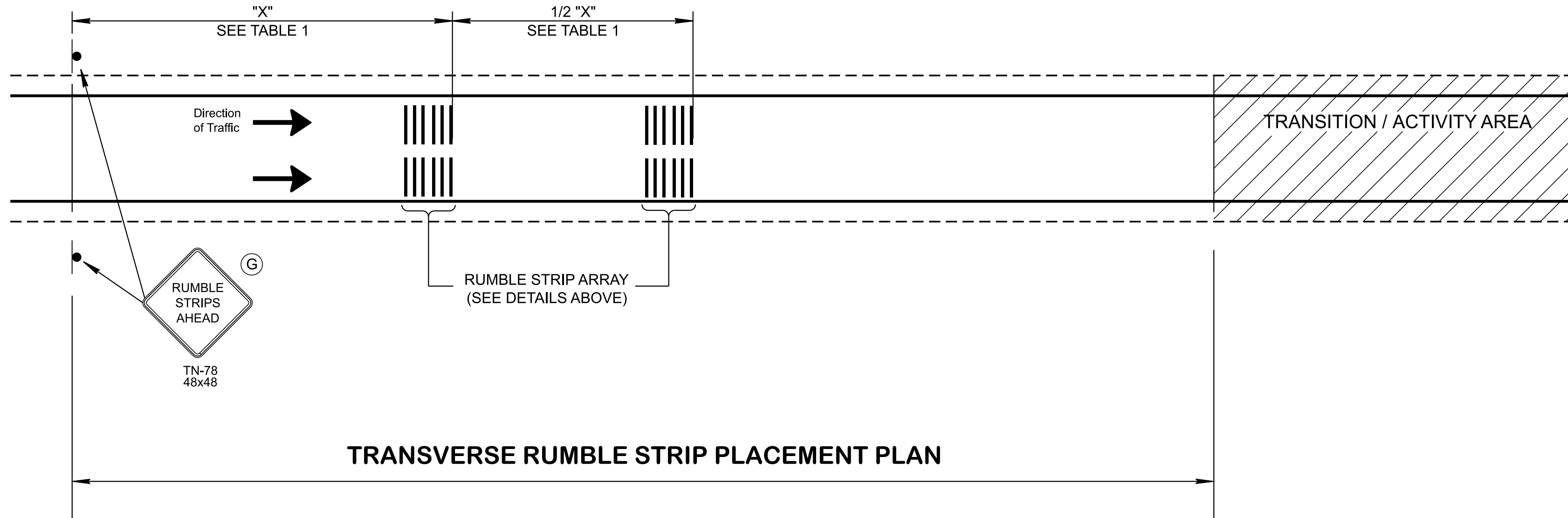


TABLE 1							
RUMBLE STRIP ARRAY PLACEMENT DISTANCE							
POSTED SPEED (MPH)	40	45	50	55	60	65	70
MINIMUM "X" DISTANCE	200'	400'	600'	800'			

- GENERAL NOTES**
- (A) REGIONAL TRAFFIC ENGINEER NOTIFICATION REQUIRED FOR USE. FOR PLACEMENT DIMENSIONS SEE TABLE.
- (B) WHITE AND ORANGE COLORED MATERIAL IS APPROVED FOR TEMPORARY RUMBLE STRIPS (SEE QPL).
- (C) MULTIPLE LANE ROADWAYS SHALL HAVE RUMBLE STRIP ARRAYS IN EACH THRU LANE.
- (D) DO NOT PLACE RUMBLE STRIPS WITHIN LANE SHIFTING OR MERGING TAPER.
- (E) PAYMENT  
712-10.02, TEMPORARY TRANSVERSE RUMBLE STRIPS, L.F.
- (F) FOR OTHER SIGN REQUIREMENTS SEE STANDARD DRAWING T-WZ-SERIES AND CURRENT EDITION OF M.U.T.C.D.
- (G) TN-78 SIGN MAY BE ADJUSTED TO ALLOW FOR APPROPRIATE SPACING FROM OTHER SIGNS.
- (H) SEE T-WZ SERIES FOR ALL RELEVANT SIGNING AND DETAILS NOT SHOWN.
- (I) TRANSVERSE RUMBLE STRIPS SHOULD NOT BE PLACED ON SHARP HORIZONTAL OR VERTICAL CURVES.
- (J) TRANSVERSE RUMBLE STRIPS SHOULD NOT BE PLACED ON ROADWAYS USED BY BICYCLISTS UNLESS A MINIMUM CLEAR PATH OF 4 FEET IS PROVIDED AT EACH EDGE OF THE ROADWAY OR ON EACH PAVED SHOULDER.

**SPECIAL NOTE**

PRECISE PLACEMENT AND SPACING OF ARRAYS AND WARNING SIGN MAY BE ADJUSTED IN ORDER TO BEST ACCOMMODATE PROJECT NEEDS AND SPECIFIC ROAD CONDITIONS. INTENT OF THESE ARRAYS IS TO ALERT DRIVERS OF TEMPORARY ROAD CONDITIONS OF INCREASED RISK SUCH AS TRAFFIC MERGING, REDUCED HORIZONTAL ALIGNMENT, ABRUPT SHIFTS, OR THE LIKE. THESE ARRAYS ARE INTENDED TO LOWER TRAFFIC SPEED AND INCREASE DRIVER AWARENESS.

- REV. 11-30-20: REMOVED TEMPORARY RUMBLE STRIPS DRAWING
- REV. 01-28-2022: CHANGED GENERAL NOTE(A)
- REV. 05-15-2022: ADDED TABLE 1, ADDED NOTE(H)
- REV. 03-28-25: UPDATED TO CONFORM TO MUTCD 11TH EDITION.

☐ FHWA  
APPROVAL NOT REQUIRED.

STATE OF TENNESSEE  
STANDARD  
DRAWING  
DEPARTMENT OF TRANSPORTATION

TRANSVERSE  
RUMBLE STRIP  
USE WITHIN  
WORK ZONES