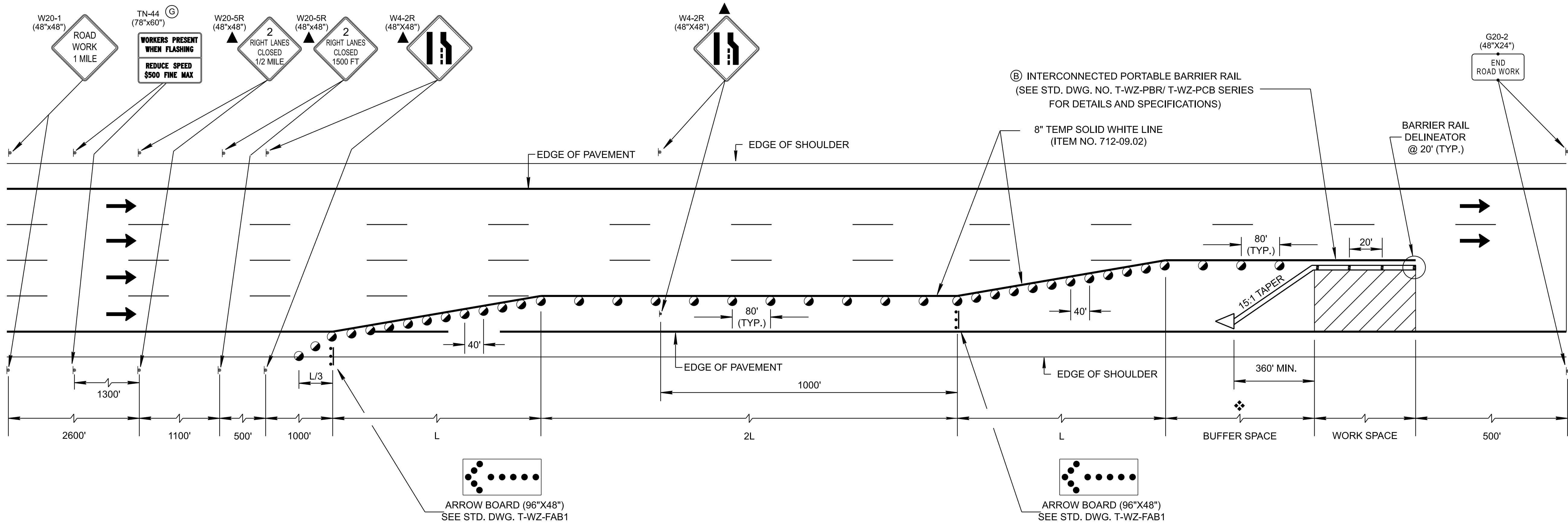


3/25/2025 6:17:28 PM
H:\26\26180 - Tennessee DOT Road Design Manual\004 - TDOT Traffic Design Updates\design\CAD\Work Zone (WZ)\TWZ14.dgn



TRAFFIC CONTROL FOR TWO RIGHT OUTSIDE (OR TWO LEFT INSIDE) LANE
CLOSURE ON INTERSTATES OR EXPRESSWAYS
(WITH INTERCONNECTED PORTABLE BARRIER RAIL)

▲ FOR LEFT LANE
CLOSURE USE
SIGNS W20-5L
AND W4-2L

❖ BUFFER SPACE BASED ON PRE-CONSTRUCTION POSTED SPEED	
SPEED	DISTANCE
45	360
50	425
55	495
60	570
65	645
70	730
75	820

COMPUTATION
FOR
DISTANCE L

$L = W \times S$
L = TAPER LENGTH IN FEET
W = WIDTH OF OFFSET IN FEET
S = 10 MPH OVER EXISTING
POSTED SPEED LIMIT

CHANNELIZATION DEVICE LEGEND

- FLEXIBLE DRUMS (ITEM NO. 712-04.01, PER EACH)
- ⋮ FLASHING YELLOW ARROW BOARD (SEE STD. DWG. NO. T-WZ-FAB1, FOR DETAILS AND SPECIFICATIONS) (ITEM NO. 712-08.03, PER EACH)
- ┆ SIGN SUPPORT
- ← DIRECTION OF TRAFFIC
- ▨ WORK SPACE
- ▤ BARRIER RAIL DELINEATOR (ITEM NO. 712-04.50, PER EACH)
- ◁ ATTENUATOR SEE STD. DWG. S-CC-1 (ITEM NO. 712-02.60, PER EACH)

SPECIAL NOTES

LANE WIDTHS SHALL BE A MINIMUM OF 11FT WITH 2FT SHOULDER. WHEN ALIGNMENT IS IN A HORIZONTAL CURVE WITH A RADIUS LESS THAN 2500FT, LANE WIDTHS SHALL BE A MINIMUM OF 12FT WITH 2FT SHOULDERS.

IF THE MINIMUM DESIGN REQUIREMENTS OF THIS STANDARD DRAWING CANNOT BE MET, A WORK ZONE DESIGN DEVIATION MUST BE SUBMITTED TO AND APPROVED BY THE STATE WORK ZONE ENGINEER.

GENERAL NOTES

- Ⓐ THIS STANDARD IS FOR CLOSURE OF TWO RIGHT LANES. THIS STANDARD APPLIES TO INTERSTATES AND EXPRESSWAYS WITH 6 OR MORE LANES.
- Ⓑ MINIMUM TWO FEET (2') OFFSET BETWEEN TRAVEL LANE AND PORTABLE BARRIER IS REQUIRED. THE MAXIMUM POSSIBLE OFFSET BETWEEN TRAVEL LANE AND PORTABLE BARRIER MUST BE OBTAINED. A 2' MINIMUM OFFSET IS REQUIRED BETWEEN THE TRAVELLED LANE AND BRIDGE PARAPET, PORTABLE BARRIER RAIL, CONCRETE MEDIAN BARRIERS, ETC. 3' MINIMAL OFFSET IS REQUIRED BETWEEN THE WORK ZONE AND PORTABLE BARRIER RAIL IF RAIL IS UNPINNED..
- Ⓒ PORTABLE BARRIER RAIL WILL BE REQUIRED WHERE DROP OFFS EXCEED 18 INCHES. PORTABLE BARRIER RAIL MAY BE USED WHERE DROP OFFS EXCEED 6 INCHES. FOR MORE SPECIFIC INFORMATION SEE TDOT DROP-OFF POLICY.
- Ⓓ TAPER LENGTH SHOWN FOR THE PORTABLE BARRIER RAIL IS A MINIMUM. PORTABLE BARRIER RAIL SHOULD BE EXTENDED BEYOND THE CLEAR ZONE OR BE SHIELDED WITH A CRASH CUSHION WHEN IT IS NOT FEASIBLE TO EXTEND THE PORTABLE BARRIER RAIL. SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE DISTANCE.
- Ⓔ REFER TO THE QUALIFIED PRODUCT LIST FOR APPROVED BARRIER RAIL DELINEATORS. DELINEATORS SHOULD NOT BE MIXED IN THE SAME LINE. BARRIER RAIL DELINEATORS SHALL BE USED ON PORTABLE BARRIER RAIL.
- Ⓕ LANE DROP APPLICATION SHOWN IS ASSUMED TO BE EXISTING THROUGH LANES OF TRAFFIC. WHERE LANE CLOSURES OCCUR ON EXISTING ACCELERATION OR AUXILIARY LANES, DESIGNER SHALL ENSURE ACCEPTABLE DECISION SIGHT DISTANCE IS PROVIDED.
- Ⓖ TN-44 IS REQUIRED ON FREEWAYS, BUT OPTIONAL ON OTHER ROADWAYS

- REV. 12-18-99: ADDED BLOCKED IN NOTE FOR TWO LEFT INSIDE LANE CLOSURE.
 - REV. 7-29-03: CHANGED GENERAL NOTE Ⓒ.
 - REV. 4-15-04: CHANGED W4-2 SIGN. CHANGED GENERAL NOTE Ⓔ TO COMPLY WITH 2003 MUTCD.
 - REV. 9-1-05: REMOVED TYPE "C" WARNING LIGHTS FROM FLEXIBLE DRUMS IN TAPER.
 - REV. 5-12-06: REPLACED VERTICAL PANEL WITH BARRIER RAIL DELINEATORS. ADDED GENERAL NOTES Ⓔ & Ⓖ.
 - REV. 10-06-06: CHANGED ITEM NO. FOR BARRIER RAIL DELINEATOR. ADDED GENERAL NOTE Ⓕ. CHANGED GENERAL NOTE Ⓒ.
 - REV. 03-13-09: CHANGED GENERAL NOTE Ⓒ AND ATTENUATOR LEGEND DESCRIPTION.
 - REV. 03-05-17: ADDED ITEM NO. 716-05.02 AND 712-09.02.
 - REV. 06-28-19: ADDED REFERENCED STD DWG S-CC-1 TO LEGEND FOR TEMPORARY CRASH CUSHION. ADDED ITEM NUMBER FOR FLEXIBLE DRUMS. DELETE GENERAL NOTE Ⓔ. REORGANIZED GENERAL NOTES AND MODIFIED FOR CLARITY. ADDED NOTE Ⓕ AND TABLE FOR BUFFER SPACE. RENAMED AND REDREW SHEET.
 - REV. 05-01-20: ADDED SPECIAL NOTES. ADDED BUFFER SPACE TABLE. REMOVED 716-05.02 PAY ITEM. CHANGED CALCULATION FOR DISTANCE L. EDITED GENERAL NOTE A.
 - REV. 03-04-21: CHANGED ITEM NO. 712-02.60 FOR STD DWG S-CC-1. ADDED REFERENCED STD DWG T-WZ-PCB SERIES. REVISED GENERAL NOTE Ⓔ.
- REV. 03-26-25: UPDATED TO CONFORM TO MUTCD 11TH EDITION.

FHWA
APPROVAL NOT REQUIRED

STATE OF TENNESSEE
STANDARD
DRAWING
DEPARTMENT OF TRANSPORTATION

TWO-OUTSIDE
LANE CLOSURE
FOR INTERSTATES
AND
EXPRESSWAYS

05-27-1998

T-WZ-14

NOT TO SCALE