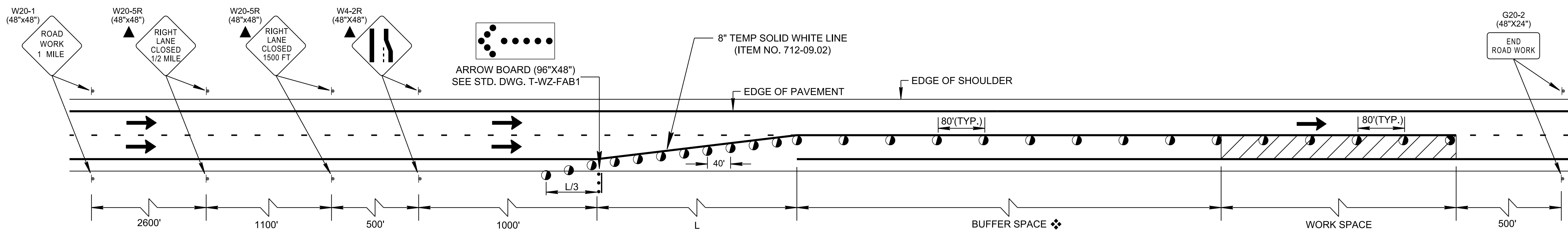
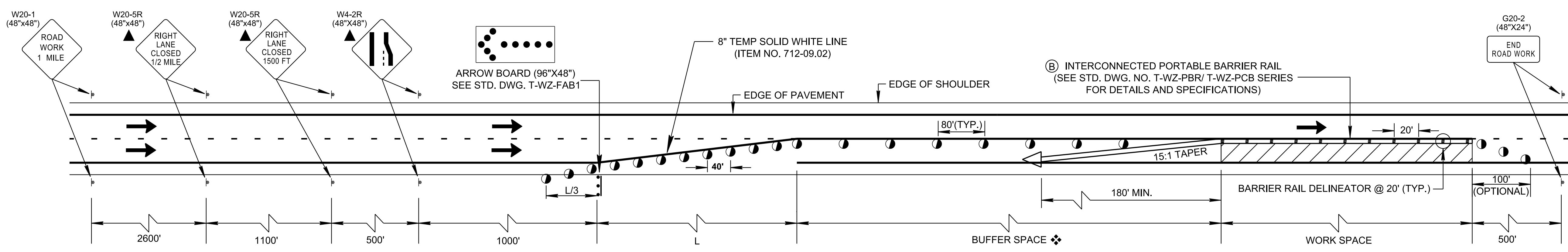


3/9/2021 2:29:00 PM P:\StandDraw\DESIGN STANDARDS\Standards Library\Standard Roadway Drawings - CURRENT\In Progress\10-107.00 Design - Traffic Control IP\170.02 Work Zones IP\TWZ11-20210304.dgn



**TRAFFIC CONTROL FOR ONE LANE CLOSURE ON MULTI-LANE DIVIDED HIGHWAY
(NO PORTABLE BARRIER RAIL SETUP)**



**TRAFFIC CONTROL FOR ONE LANE CLOSURE ON MULTI-LANE DIVIDED HIGHWAY
(SHOWING PORTABLE BARRIER RAIL SETUP)**

▲ 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

(A) THIS STANDARD CAN BE USED FOR THE CLOSURE OF AN INSIDE OR OUTSIDE LANE OF ANY MULTI-LANE DIVIDED HIGHWAY. FOR THE CLOSURE OF AN INTERIOR LANE, SEE STANDARD DRAWING NOS. T-WZ-13, TWZ-14, OR T-WZ-15 FOR DETAILS.

(B) 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.

(C) 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.

(D) 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.

(E) 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.

(F) RAISED PAVEMENT MARKERS SHOULD NOT BE USED ON RIGHT EDGE LINE.

(G) A SECOND ARROW BOARD MAY BE USED WHEN GEOMETRIC CONDITIONS LIMIT THE VISIBILITY OF A LANE CLOSURE.

FHWA
 ■ APPROVAL NOT REQUIRED

STATE OF TENNESSEE
 STANDARD DRAWING
 DEPARTMENT OF TRANSPORTATION

**ONE LANE CLOSURE
 DETAIL FOR
 DIVIDED
 HIGHWAYS**

- REV. 12-18-99: MODIFIED GENERAL NOTE (E).
- REV. 7-29-03: CHANGED GENERAL NOTE (E).
- REV. 4-15-04: CHANGED W4-2 SIGN. CHANGED GENERAL NOTE (D) 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 (G) & (H).
- REV. 10-06-06: CHANGED ITEM NO. FOR BARRIER RAIL DELINEATOR. ADDED GENERAL NOTE (I). CHANGED GENERAL NOTE (E).
- REV. 03-13-09: CHANGED GENERAL NOTE (E).
- REV. 03-05-17: ADDED ITEM NO. 716-05.02 OR 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. DELETED GENERAL NOTE (D). REORGANIZED AND MODIFIED GENERAL NOTES FOR CLARITY. ADDED TABLE FOR BUFFER SPACE AND OPTIONAL BARRELS TO THE DOWN STREAM END OF THE WORK ZONE. 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.
- 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 (E).