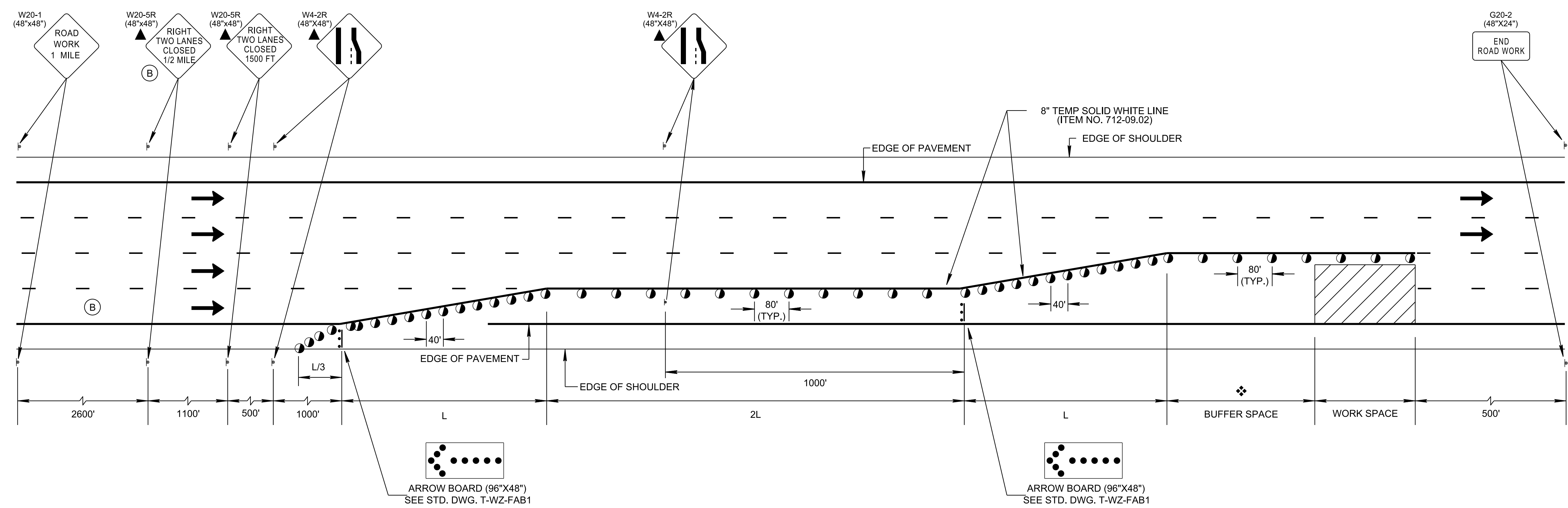


- REV. 12-18-99: MODIFIED HEADING AND ADDED BLOCKED IN NOTE FOR TWO LEFT INSIDE LANE CLOSURE.
- REV. 4-15-04: CHANGED W4-2 SIGN. CHANGED GENERAL NOTE C TO COMPLY WITH 2003 MUTCD.
- REV. 9-1-05: REMOVED TYPE "C" WARNING LIGHTS FROM FLEXIBLE DRUMS IN TAPER.
- REV. 03-13-09: MODIFIED FLEXIBLE DRUM SPACING.
- REV. 03-05-17: ADDED ITEM NO. 716-05.02 AND 712-09.02.
- REV. 06-28-19: ADDED TABLE FOR BUFFER SPACE. REPLACED GENERAL NOTE (B) AND ADDED NOTE (C). 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.



TRAFFIC CONTROL FOR TWO RIGHT OUTSIDE (OR TWO LEFT INSIDE) LANE CLOSURE ON FREEWAY OR EXPRESSWAY

▲ 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

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 IS FOR CLOSURE OF TWO RIGHT LANES. THIS STANDARD APPLIES TO FREEWAYS AND EXPRESSWAYS WITH 6 OR MORE LANES.

(B) 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 SIGNAGE AND DECISION SIGHT DISTANCE IS PROVIDED.

(C) 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. EVEN THOUGH MUTCD RECOMMENDS THE TWO FOOT OFFSET, TDOT'S POLICY REQUIRES THE OFFSET. 2' MINIMAL OFFSET IS REQUIRED BETWEEN THE WORK ZONE AND PORTABLE BARRIER RAIL IF RAIL IS UNPINNED.

▲ APPROVED BY FHWA (ALL OTHERS APPROVED BY TDOT)

STATE OF TENNESSEE
STANDARD DRAWING
DEPARTMENT OF TRANSPORTATION

TWO-OUTSIDE LANE CLOSURE FOR EXPRESSWAYS AND FREEWAYS

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NOT TO SCALE