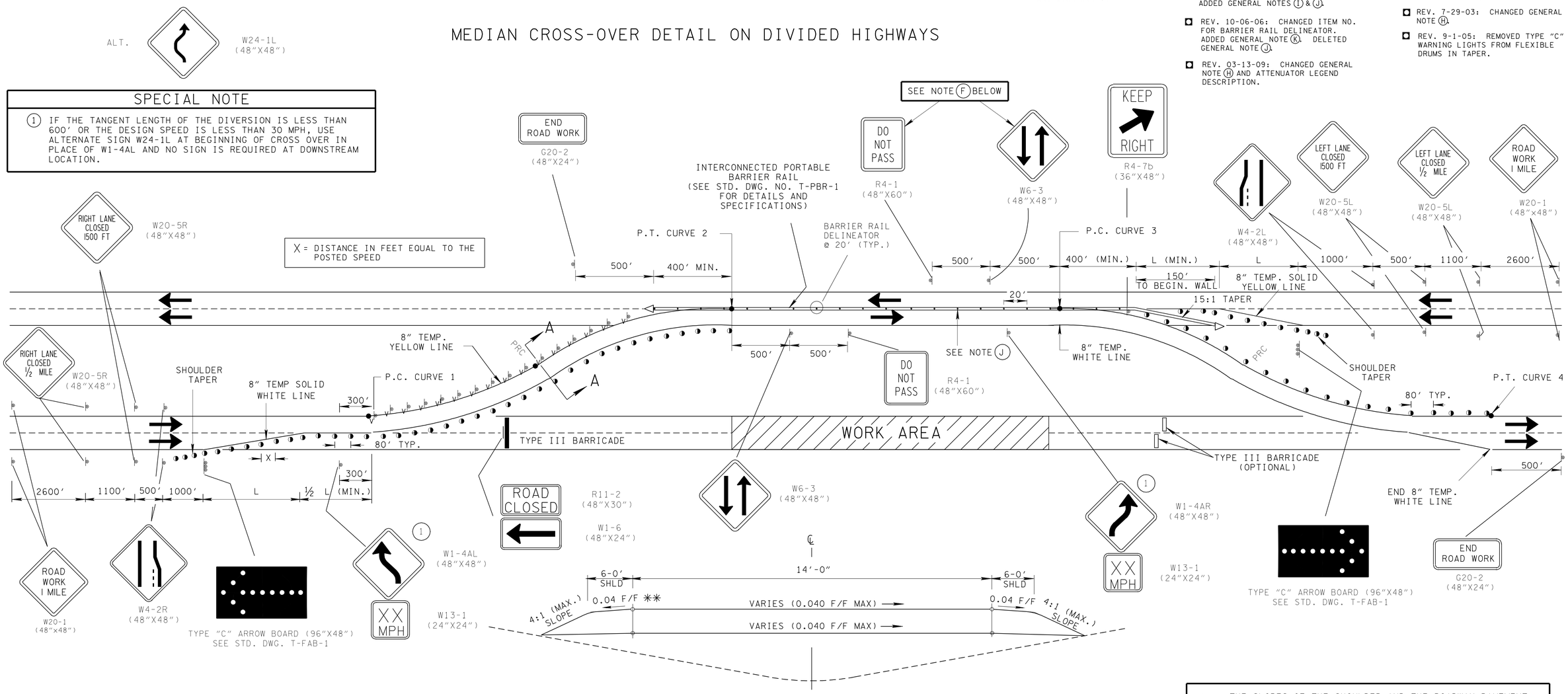
- REV. 4-2-12: ADDED NOTE (1) AND SIGN W24-1.
- REV. 5-12-06: REPLACED VERTICAL PANEL WITH BARRIER RAIL DELINEATORS. ADDED GENERAL NOTES (I) & (J).
- REV. 10-06-06: CHANGED ITEM NO. FOR BARRIER RAIL DELINEATOR. ADDED GENERAL NOTE (K). DELETED GENERAL NOTE (J).
- REV. 03-13-09: CHANGED GENERAL NOTE (H) AND ATTENUATOR LEGEND DESCRIPTION.
- REV. 5-27-01: CHANGED PAY ITEMS GENERAL NOTE (C).
- REV. 7-29-03: CHANGED GENERAL NOTE (H).
- REV. 9-1-05: REMOVED TYPE "C" WARNING LIGHTS FROM FLEXIBLE DRUMS IN TAPER.

MEDIAN CROSS-OVER DETAIL ON DIVIDED HIGHWAYS

SPECIAL NOTE

(1) IF THE TANGENT LENGTH OF THE DIVERSION IS LESS THAN 600′ OR THE DESIGN SPEED IS LESS THAN 30 MPH, USE ALTERNATE SIGN W24-1L AT BEGINNING OF CROSS OVER IN PLACE OF W1-4AL AND NO SIGN IS REQUIRED AT DOWNSTREAM LOCATION.



SECTION A-A

TYPICAL SECTION OF TEMPORARY MEDIAN CROSS-OVER

** THE SLOPES OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07 FOOT PER FOOT.

GENERAL NOTES

(A) CROSS-OVERS SHALL BE DESIGNED FOR SPEEDS NOT LESS THAN 10 MILES PER HOUR BELOW THE POSTED SPEED. THE GEOMETRY DETAIL FOR CROSS-OVER SHOWN ON STANDARD DRAWING T-WZ-20 IS FOR A TANGENT DIVIDED HIGHWAY SECTION ONLY. THE DESIGNER SHALL PROVIDE GEOMETRIC DETAILS OF CROSS-OVER(S) ON CURVED DIVIDED HIGHWAY SECTIONS.

(B) ADVISORY SPEED PLATES ON REVERSE CURVE SIGNS (W1-4) SHALL BE 10 MILES PER HOUR LESS THAN THE DESIGN SPEED OF THE CROSS-OVER.

(C) TEMPORARY CROSSDRAINS SHALL BE PROVIDED WHERE CROSS-OVER CROSSES THE LOW POINT OF THE DEPRESSED MEDIAN. THE DESIGNER WILL PROVIDE THE LENGTH AND SIZE OF THESE CROSSDRAINS ON THE PLANS. THESE CROSSDRAINS SHALL BE PAID FOR UNDER ITEM NOS. 621-03.02 THROUGH 621-03.10.

(D) PAVEMENT SECTION OF TEMPORARY MEDIAN CROSS-OVER IS SHOWN ON TYPICAL SECTION SHEETS OF PLANS.

(E) SEE STANDARD DRAWING T-WZ-10 FOR OTHER NEEDED ADVANCE SIGNING.

(F) TWO-WAY TRAFFIC SYMBOL SIGN (W6-3) AND DO NOT PASS SIGN (R4-1) TO BE PLACED AT ½ MILE INTERVALS ON TWO-WAY TEMPORARY TRAFFIC SECTION.

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

(H) 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 AN ATTENUATOR WHEN IT IS NOT FEASIBLE TO EXTEND THE PORTABLE BARRIER RAIL. SEE STANDARD DRAWING RD01-S-12 FOR CLEAR ZONE DISTANCE.

(I) BARRIER RAIL DELINEATORS (ITEM NO.712-04.50) SHALL BE USED ON PORTABLE BARRIER RAIL. REFER TO THE QUALIFIED PRODUCT LIST FOR APPROVED BARRIER RAIL DELINEATORS. DIFFERENT TYPES OF BARRIER RAIL DELINEATORS SHOULD NOT BE MIXED IN THE SAME LINE.

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

COMPUTATION FOR DISTANCE L

L = W X S

L = TAPER LENGTH IN FEET
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED

CHANNELIZATION DEVICE LEGEND

- FLEXIBLE DRUMS
- VERTICAL PANELS
- SIGN SUPPORT
- DIRECTION OF TRAFFIC
- WORK SITE
- BARRIER RAIL DELINEATOR (ITEM NO. 712-04.50, PER EACH)
- FLASHING YELLOW ARROW BOARD (SEE STD. DWG. NO. T-FAB-1,FOR DETAILS AND SPECIFICATIONS)
- ATTENUATOR

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

MEDIAN CROSS-OVER DETAIL ON DIVIDED HIGHWAYS

10-26-98 | T-WZ-19