



 W3-1 IF NEEDED (F) OR  W3-2 IF NEEDED (F)
   
 IF A W3-1 OR W3-2 SIGN IS USED, THE "SEE THE ABBREVIATED MUTCD TABLE 2C-3" NOTE WOULD APPLY TO THE DISTANCE FROM THE STOP LINE TO THIS SIGN RATHER THAN TO THE W10-1 SIGN

STOP LINE APPROXIMATELY 8' UPSTREAM FROM GATE (IF PRESENT) (A) (B) (C)

SEE THE ABBREVIATED MUTCD TABLE 2C-3

GRADE CROSSING R x R PAVEMENT MARKING (E)

W10-1

**GENERAL NOTES**

- (A) ON PAVED ROADWAY APPROACHES TO PASSIVE GRADE CROSSINGS WHERE A YIELD (R1-2) SIGN IS INSTALLED IN CONJUNCTION WITH THE CROSSBUCK ASSEMBLY, A YIELD LINE (SEE MUTCD SECTION 3B.19) OR A STOP LINE MAY BE INSTALLED.
- (B) ON PAVED ROADWAYS AT GRADE CROSSINGS THAT ARE EQUIPPED WITH ACTIVE CONTROL DEVICES SUCH AS FLASHING LIGHT SIGNALS, AUTOMATIC GATES, OR TRAFFIC CONTROL SIGNALS, A STOP LINE (SEE MUTCD SECTION 3B.19) SHALL BE INSTALLED TO INDICATE THE POINT BEHIND WHICH MOTOR VEHICLES ARE OR MIGHT BE REQUIRED TO STOP.
- (C) IF A STOP LINE IS USED AT AN ACTIVE GRADE CROSSING WHERE ROAD USERS ARE CONTROLLED BY A TRAFFIC CONTROL SIGNAL, IT SHALL BE PLACED SUCH THAT THE LATERAL AND LONGITUDINAL POSITIONS OF THE SIGNAL FACES FOR THE APPROACH COMPLY WITH THE PROVISIONS OF MUTCD SECTIONS 4D.07 AND 4D.08.
- (D) ON MULTI-LANE ROADS, THE TRANSVERSE LINES SHALL EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R x R SYMBOLS SHALL BE USED IN EACH APPROACH LANE.
- (E) WHEN USED, A PORTION OF THE PAVEMENT MARKING SYMBOL SHOULD BE DIRECTLY OPPOSITE THE GRADE CROSSING ADVANCE WARNING (W10-1) SIGN. IF NEEDED, SUPPLEMENTAL PAVEMENT MARKING SYMBOL(S) MAY BE PLACED BETWEEN THE GRADE CROSSING ADVANCE WARNING SIGN AND THE GRADE CROSSING, BUT SHOULD BE AT LEAST 50 FEET FROM THE STOP OR YIELD LINE.
- (F) IF A YIELD OR STOP SIGN IS PRESENT AT A PASSIVE GRADE CROSSING, A YIELD AHEAD (W3-2) OR STOP AHEAD (W3-1) ADVANCE WARNING SIGN SHALL ALSO BE INSTALLED IF THE CRITERIA FOR THEIR INSTALLATION GIVEN IN MUTCD SECTION 2C.35 IS MET. IF A YIELD AHEAD OR STOP AHEAD SIGN IS INSTALLED ON THE APPROACH TO THE CROSSING, THE W10-1 SIGN SHALL BE INSTALLED UPSTREAM FROM THE YIELD AHEAD OR STOP AHEAD SIGN. THE YIELD AHEAD OR STOP AHEAD SIGN SHALL BE LOCATED IN ACCORDANCE WITH MUTCD TABLE 2C-3. THE MINIMUM DISTANCE BETWEEN THE SIGNS SHALL BE IN ACCORDANCE WITH MUTCD SECTION 2C.04 AND TABLE 2C-3.

**ABBREVIATED TABLE 2C-3  
GUIDELINES FOR ADVANCE  
PLACEMENT OF  
WARNING SIGNS**

POSTED OR 85TH-PERCENTILE SPEED	ADVANCE PLACEMENT DISTANCE
20 MPH	115 FT
25 MPH	155 FT
30 MPH	200 FT
35 MPH	250 FT
40 MPH	305 FT
45 MPH	360 FT
50 MPH	425 FT
55 MPH	495 FT
60 MPH	570 FT
65 MPH	645 FT
70 MPH	730 FT
75 MPH	820 FT
80 MPH	910 FT
85 MPH	1,010 FT

THIS TABLE IS ABBREVIATED FROM MUTCD TABLE 2C-3 REFLECTING THE TYPICAL CONDITION OF WARNING OF A POTENTIAL STOP SITUATION (DECELERATION TO THE LISTED ADVISORY SPEED OF 0 MPH).

STATE OF TENNESSEE  
 STANDARD DRAWING  
 DEPARTMENT OF TRANSPORTATION

**GRADE CROSSING  
 WARNING SIGNS AND  
 PAVEMENT  
 MARKINGS**

12-5-25      T-RR-2