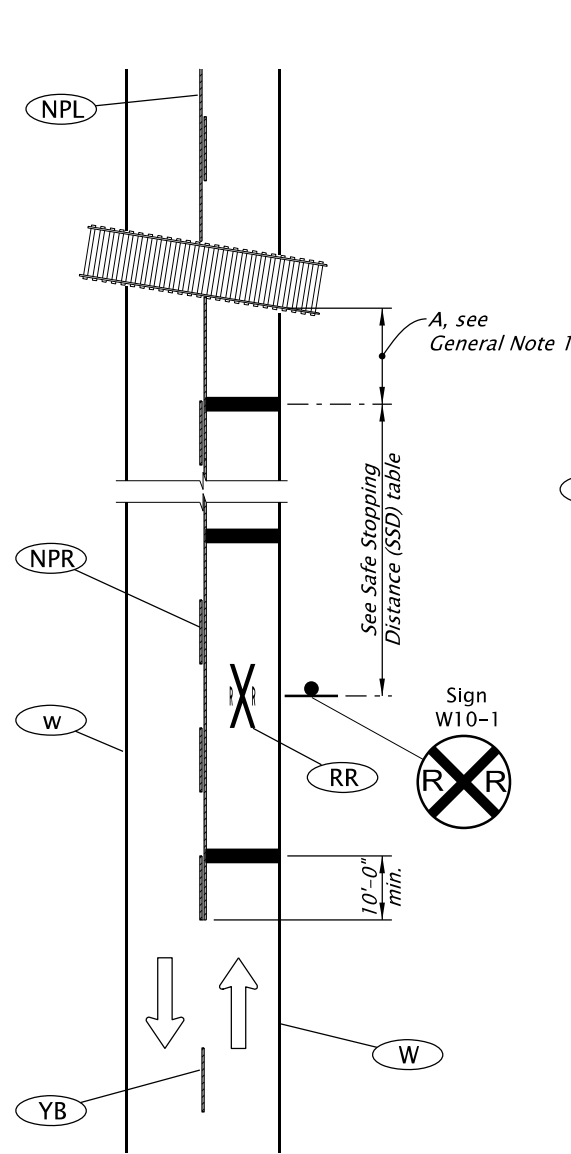
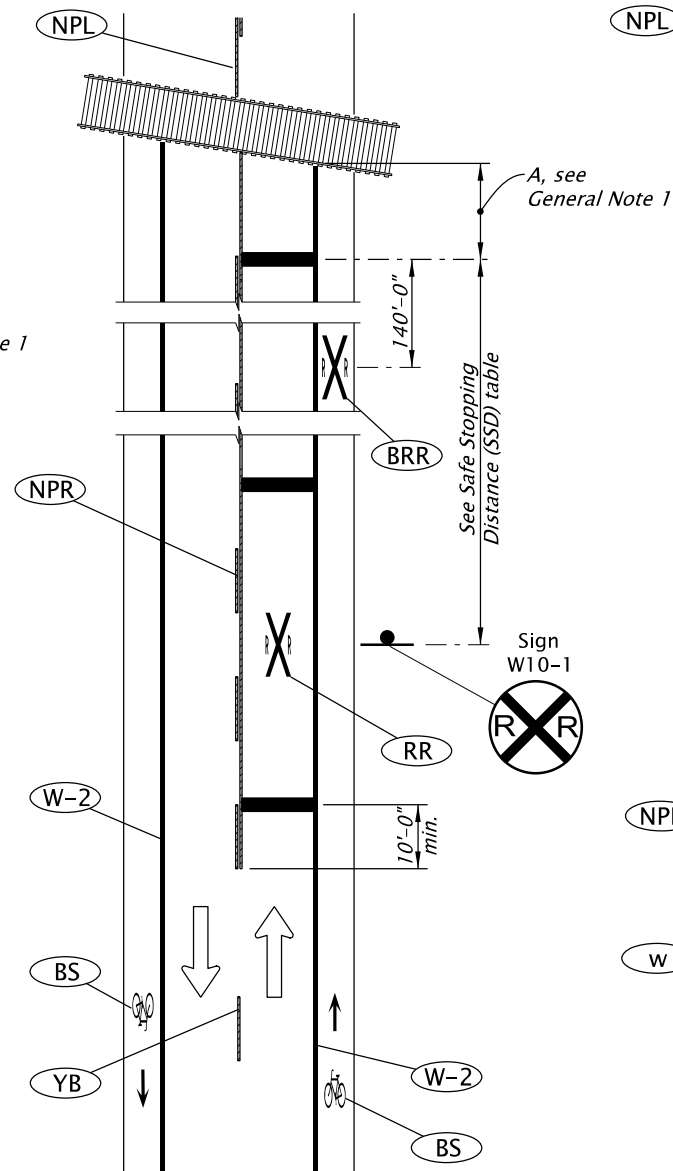
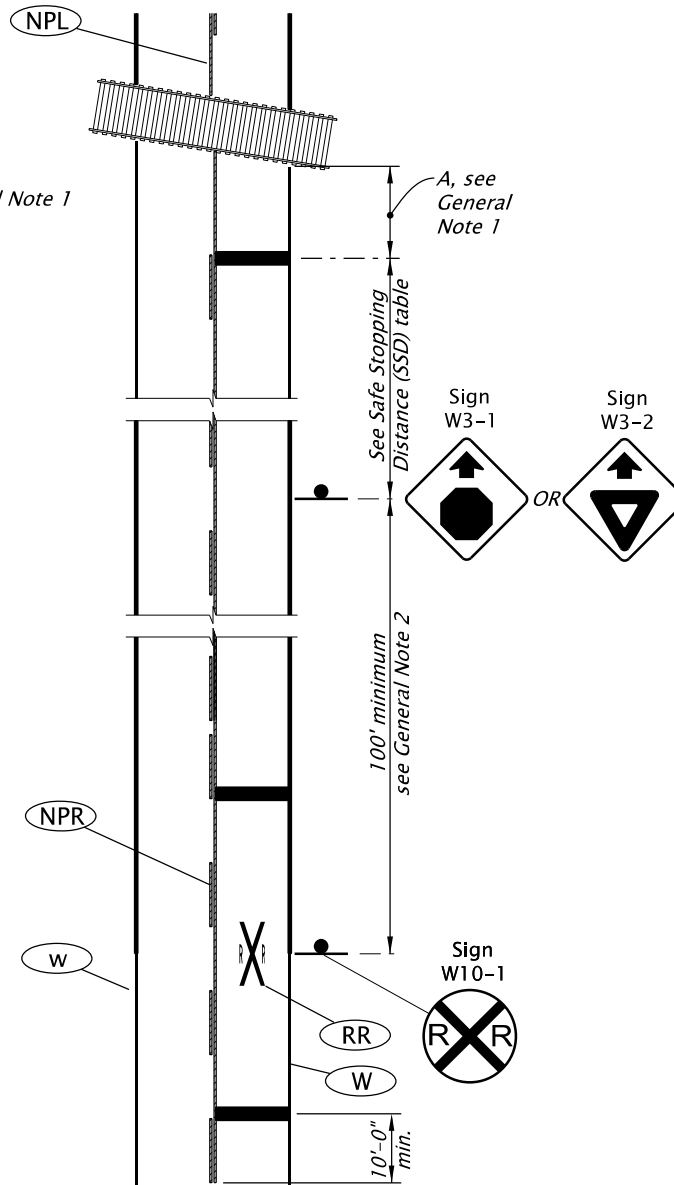




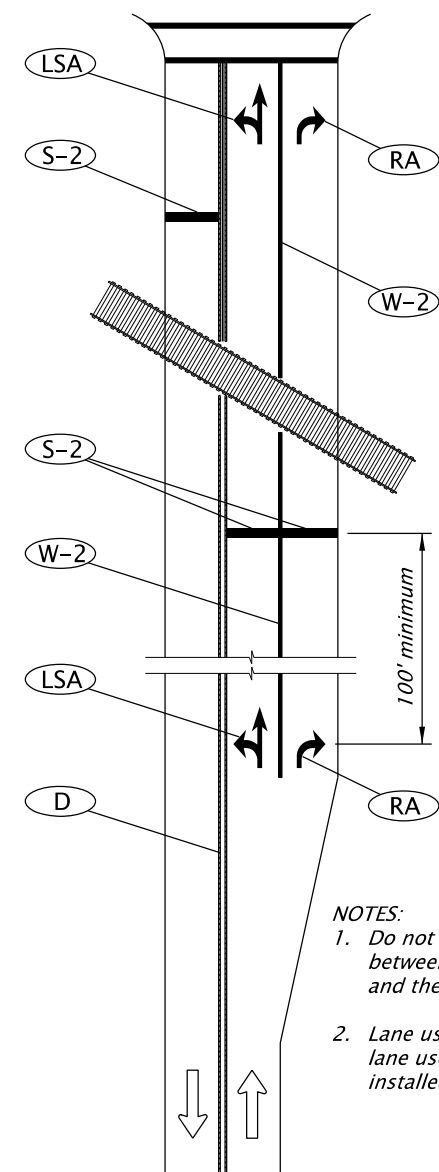
**TYPICAL RAILROAD GRADE  
CROSSING MARKINGS  
NO BIKE LANE**



**TYPICAL RAILROAD GRADE  
CROSSING MARKINGS  
WITH BIKE LANE**



**TYPICAL RAILROAD GRADE  
CROSSING MARKINGS WITH  
STOP OR YIELD AHEAD SIGNS**



**LANE USE ARROW MARKINGS  
APPROACHING RAILROAD GRADE  
CROSSING AT INTERSECTIONS WITH  
MULTIPLE LANES**

**GENERAL NOTES FOR ALL DETAILS THIS SHEET:**

1.  $A = 15'$  minimum from nearest rail and approximately 8 feet upstream from where automatic gate arm crosses the roadway. Install stop bar perpendicular to roadway.
2. See MUTCD 11th Edition, Figures 8C-1 and 8C-2 for details.
3. Install all markings per Crossing Order or as shown.
4. Start and end all longitudinal lines within 2 feet of the nearest rail.
5. See drawing TM504 for RR and BRR legend dimensions.

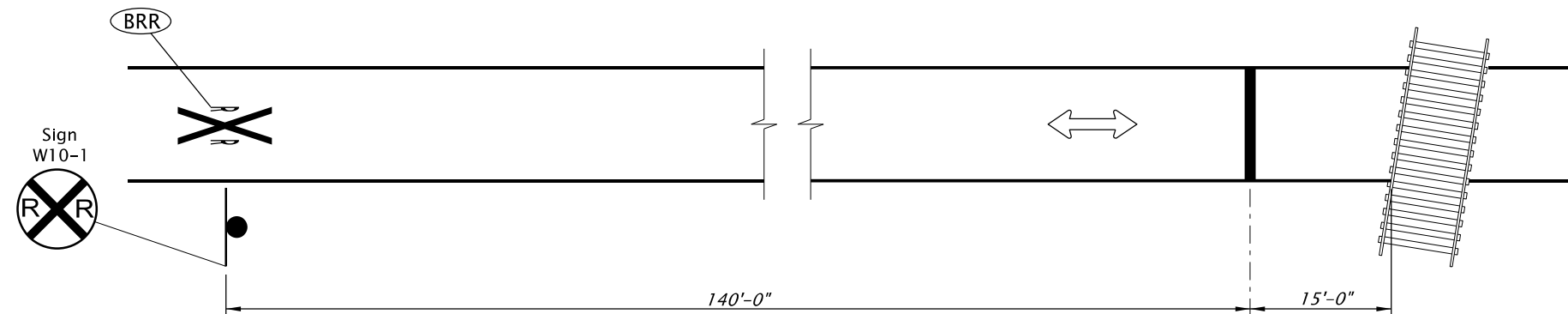
| SAFE STOPPING DISTANCE (SSD) TABLE |                   |
|------------------------------------|-------------------|
| POSTED SPEED (mph)                 | DISTANCE (feet)   |
| 10                                 | 50 (100 Standard) |
| 15                                 | 80 (100 Standard) |
| 20                                 | 115               |
| 25                                 | 155               |
| 30                                 | 200               |
| 35                                 | 250               |
| 40                                 | 305               |
| 45                                 | 360               |
| 50                                 | 425               |
| 55                                 | 495               |
| 60                                 | 570               |
| 65                                 | 645               |
| 70                                 | 730               |
| 75                                 | 820               |

- NOTES:
1. Do not place lane use arrows between the RxR stop bar and the tracks.
  2. Lane use signing required if lane use arrows cannot be installed.

**LEGEND**

Increasing stationing from bottom to top

← Direction of Travel



**TYPICAL SHARED USE PATH  
RAILROAD GRADE CROSSING MARKINGS**

This sheet to be accompanied by drawings TM500 thru TM504

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.

**OREGON STANDARD DRAWINGS**

**RAIL CROSSING  
PAVEMENT MARKINGS**

2024

| DATE    | REVISION  | DESCRIPTION                                                         |
|---------|-----------|---------------------------------------------------------------------|
| 07-2020 | EXTENDED  | ACCOMPANIED BY DRAWINGS TO INCLUDE TM504                            |
| 01-2022 | CORRECTED | NOTES TO REFERENCE TM504 INSTEAD OF TM501                           |
|         | ADDED     | 70 AND 75 MPH MATCHING THE TRAFFIC LINE MANUAL                      |
| 01-2026 | CORRECTED | DETAILS, ADDED STOP OR YIELD AHEAD DETAIL AND UPDATED CAD STANDARDS |

CALC. BOOK NO. N/A SDR DATE 13-JAN-2026 **TM505**

Effective Date: June 1, 2026 – November 30, 2026