

ORIGINATION FORM

Proposed Revisions to a Standard Plans Index
(Please provide all information – Incomplete forms will be returned)

Contact Information:

Date: June 21, 2018
Originator: **Ed Cashman**
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Standard Plans:

Index Number: **509-070**
Sheet Number (s): 3 of 4
Index Title: Railroad Grade Crossing Traffic Control Devices

Summary of the changes:

Sheet 3: Updated Notes and Details previously shown on Index 711-001, Sheet 12 of 14.

Commentary / Background:

Railroad markings were previously shown on Index 711-001, Sheet 12 of 14 and Index 509-070, Sheet 3 of 4. Missing details needed to be added to 509-070 to allow for their removal from 711-001 and avoid redundancy. Gate length information was removed from Sheet 3 because it is covered on Sheet 1.

Other Affected Offices / Documents: (Provide name of responsible personnel)

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Other Standard Plans – Ed Cashman
<input type="checkbox"/>	<input checked="" type="checkbox"/>	FDOT Design Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Basis of Estimates Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Standard Specifications –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Approved Product List –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Construction –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Maintenance –

Origination Package Includes: (Email or hand deliver package to Derwood Sheppard)

Yes	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Redline Mark-ups
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Proposed Standard Plan Instructions (SPI)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Revised SPI
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Support Documents

Implementation:

Design Bulletin (Interim) DCE Memo Program Mgmt. Bulletin FY-Standard Plans (Next Release)

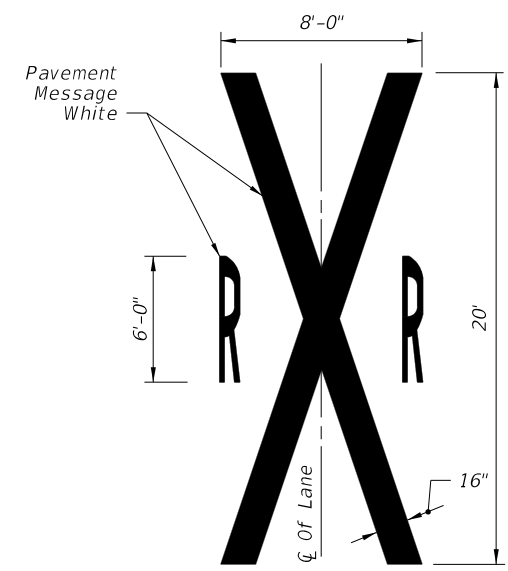
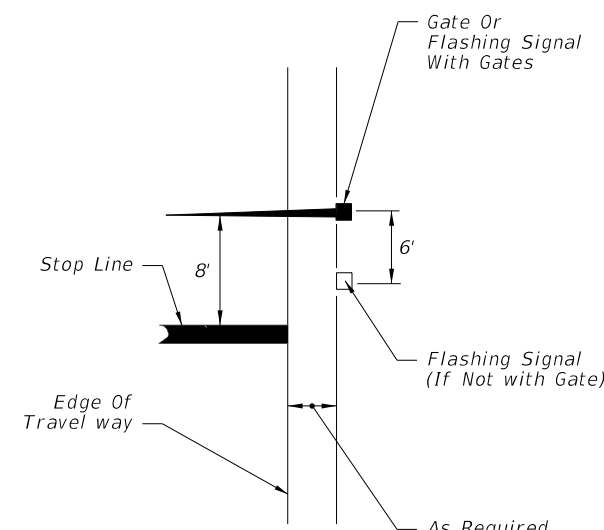
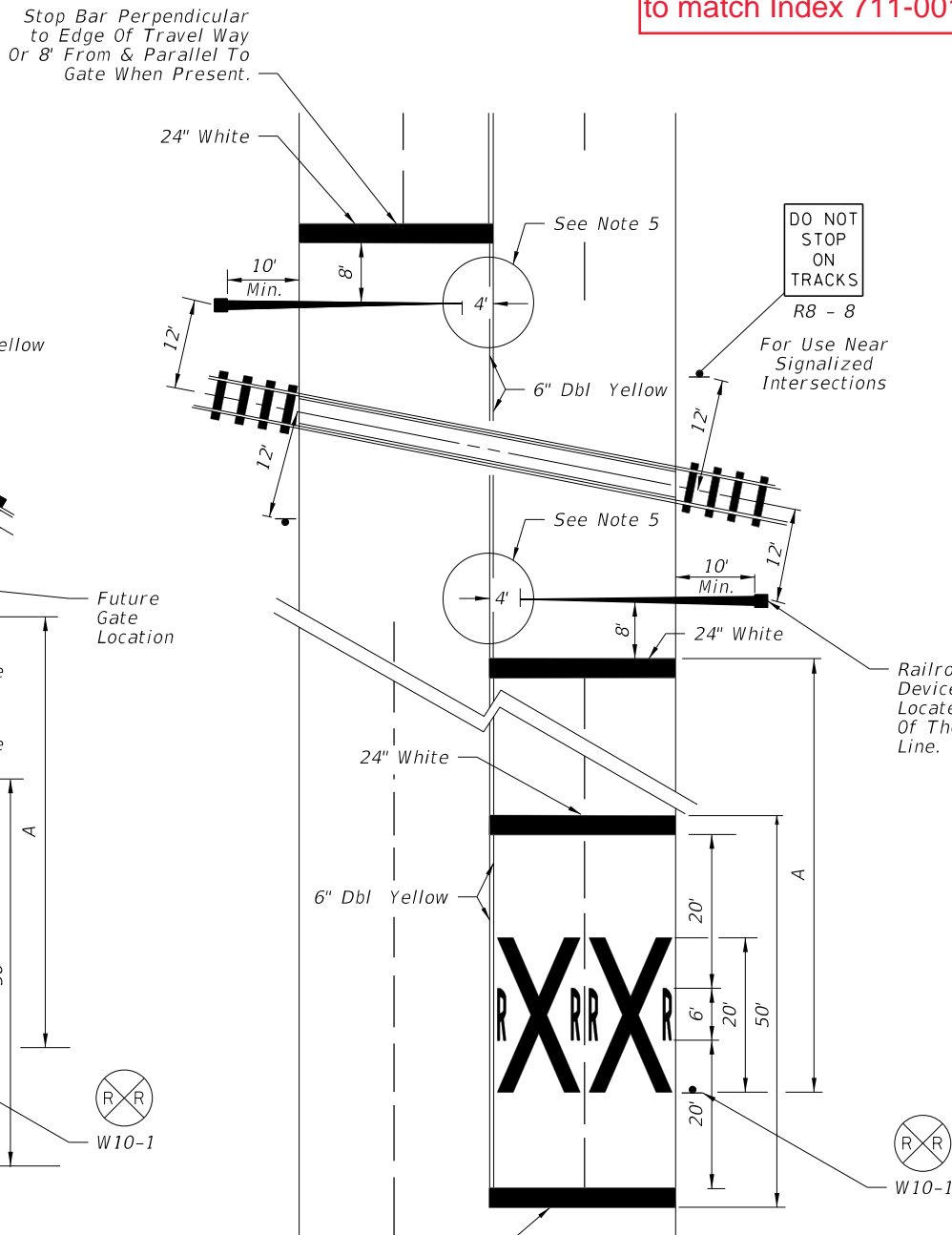
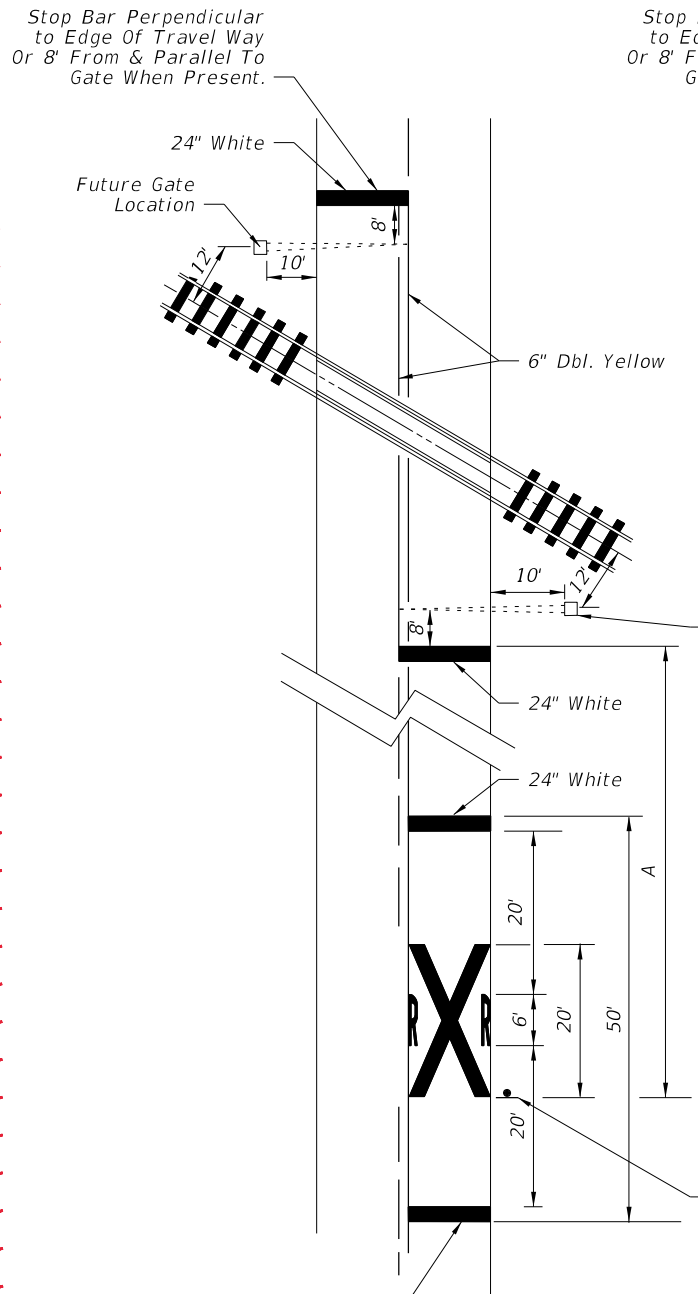
————— **Contact the Roadway Design Office for assistance in completing this form** —————

RAILROAD CROSSING AT TWO (2)-LANE ROADWAY

RAILROAD CROSSING AT MULTILANE ROADWAY

RELATIVE LOCATION OF CROSSING TRAFFIC CONTROL DEVICES

Reorganized Sheet and Updated details to match Index 711-001, Sheet 12 of 14.

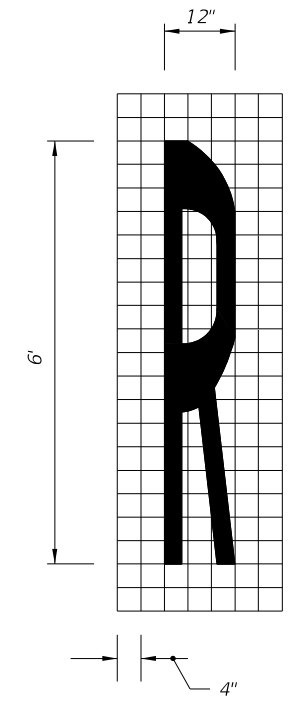


SPEED (mph)	" A " (ft)
60	400
55	325
50	250
45	175
40	125
35	100
URBAN	85 MIN.

NOTES: **Added New Note #1**

- ~~1. When computing pavement message, quantities do not include traverse lines.~~
- ~~2. Placement of sign W10-1 in a residential or business district, where low speeds are prevalent, the W10-1 sign may be placed a minimum distance of 100' from the crossing. Where street intersections occur between the RR pavement message and the tracks an additional W10-1 sign and additional pavement message should be used.~~
- ~~2. A portion of the pavement markings symbol should be directly opposite the W10-1 sign.~~
- 2.** Recommended location for FTP-61-06 or FTP-62-06 signs, 100' urban and 300' rural. See Index 700-102 for sign details.
- ~~5. Gate Length Requirements:
For two-way undivided sections:
The gate should extend to within 1' of the center line. On multiple approaches the maximum gate length may not reach to within 1' of the center line. For those cases, the distance from the gate to the center line shall be a maximum of 4'.

For one-way or divided sections:
The gate shall be of sufficient length such that the distance from the gate tip to the inside edge of pavement is a maximum of 4'.~~

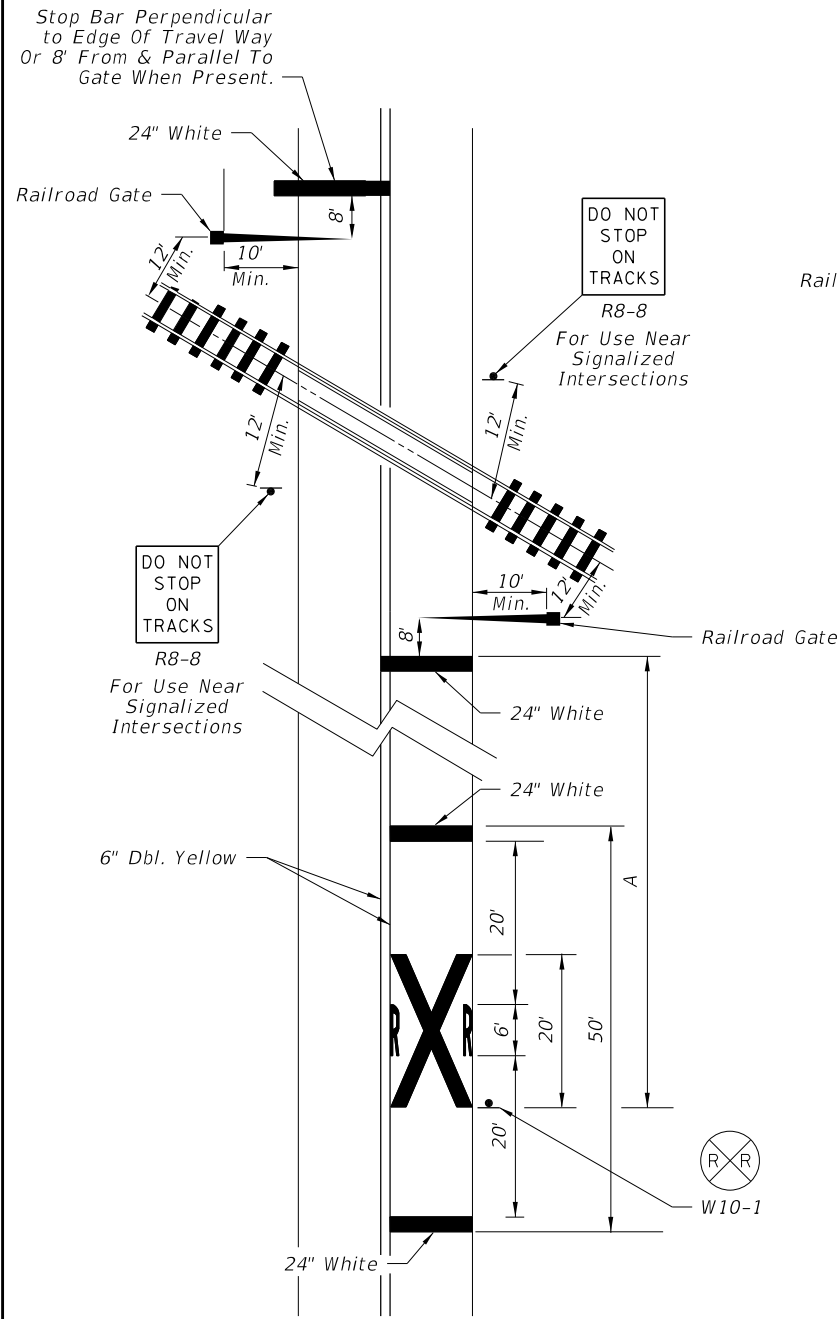


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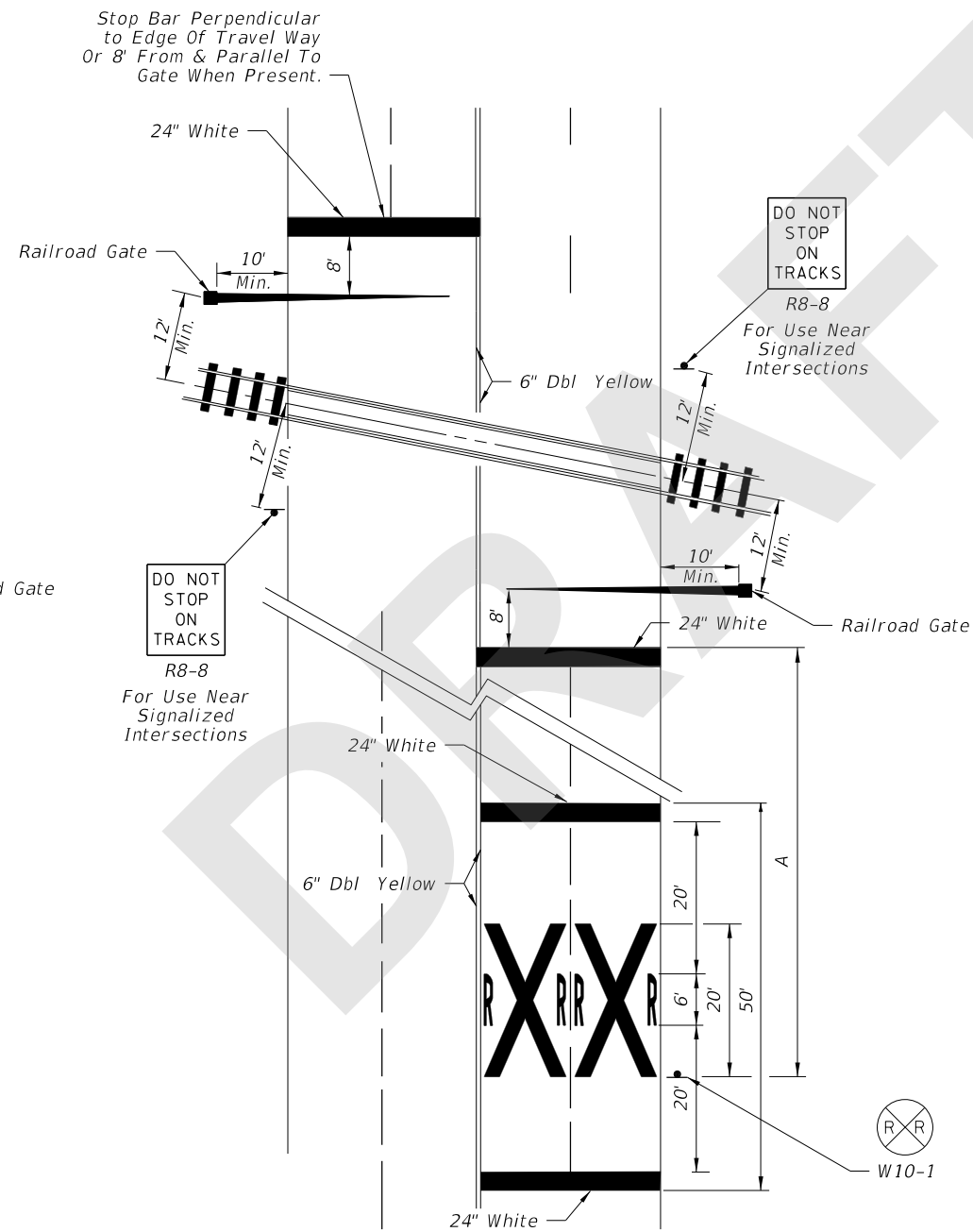
NOTES:

1. Place an additional W10-1 sign where intersections occur between the R/R pavement message and the tracks.
2. Place FTP-61-06 or FTP-62-06 sign 100' in advance of crossing for urban conditions and 300' in advance of crossing for rural conditions. See Index 700-102 for sign details.

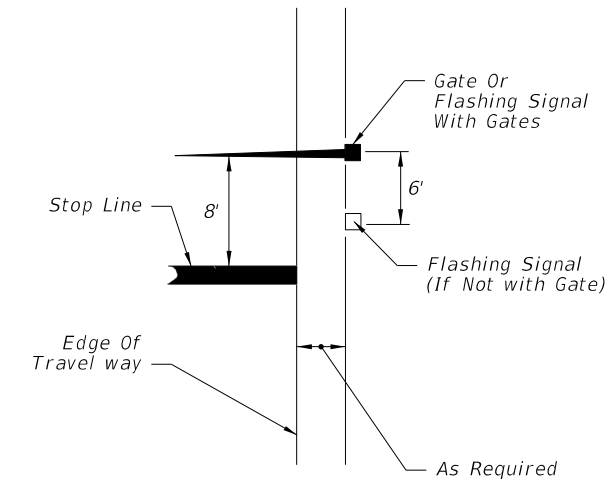
Design Speed (mph)	Distance "A" (ft)
60	400
55	325
50	250
45	175
40	125
35	100
URBAN	85 Min.



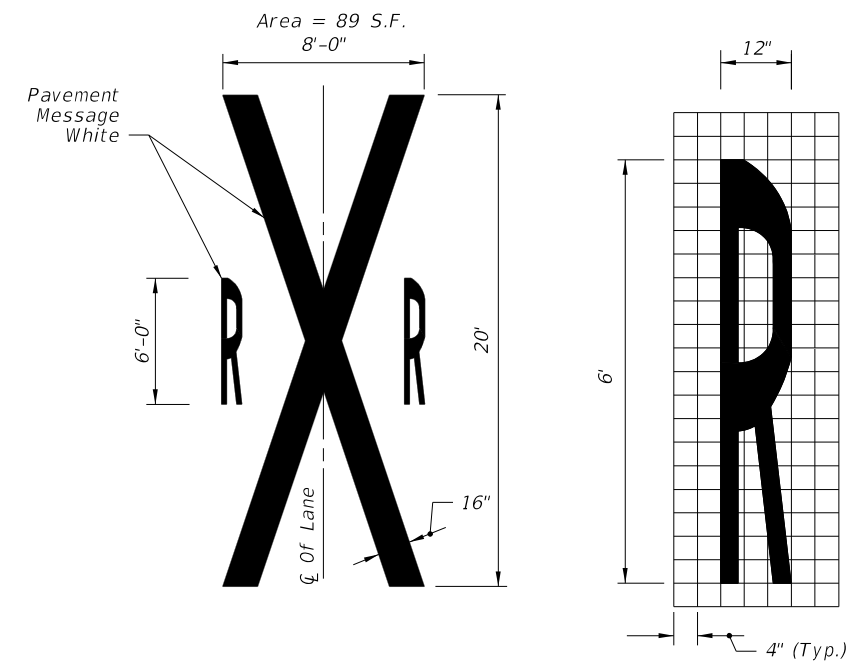
RAILROAD CROSSING AT TWO-LANE ROADWAY



RAILROAD CROSSING AT MULTILANE ROADWAY



RELATIVE LOCATION OF CROSSING TRAFFIC CONTROL DEVICES



RAILROAD CROSSING PAVEMENT MESSAGE

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LAST REVISION	DESCRIPTION:
11/01/18	