

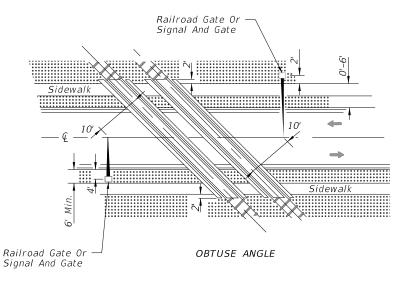
# Railroad Gate Or Signal And Gate Sidewalk Sidewalk Signal And Gate ACUTE ANGLE (AND RIGHT ANGLE)

SIGNAL PLACEMENT AT RAILROAD CROSSING
(2 LANES, CURB & GUTTER)

DESCRIPTION:

**REVISION** 

07/01/14



SIGNAL PLACEMENT AT RAILROAD CROSSING
(2 LANES, CURB & GUTTER)

### GENERAL NOTES

RAILROAD GRADE CROSSING

TRAFFIC CONTROL DEVICES

- 1. The location of flashing signals and stop lines shall be established based on future (or present) installation of gate with appropriate track clearances.
- 2. Where plans call for railroad traffic control devices to be installed in curbed medians, the minimum median width shall be 12'-6".
- 3. Location of railroad traffic control device is based on the distance available between face of curb & sidewalk. O' to 6' Locate device outside sidewalk. Over 6' Locate device between face of curb and sidewalk.
- 4. Stop line to be perpendicular to edge of roadway, approx. 15' from nearest rail; or 8' from and parallel to gate when present.
- 5. When a cantilevered-arm flashing-light signal is used, the minimum vertical clearance shall be 17'-6" from above the Crown of Roadway to the Lowest Point of the Overhead Signal Unit.

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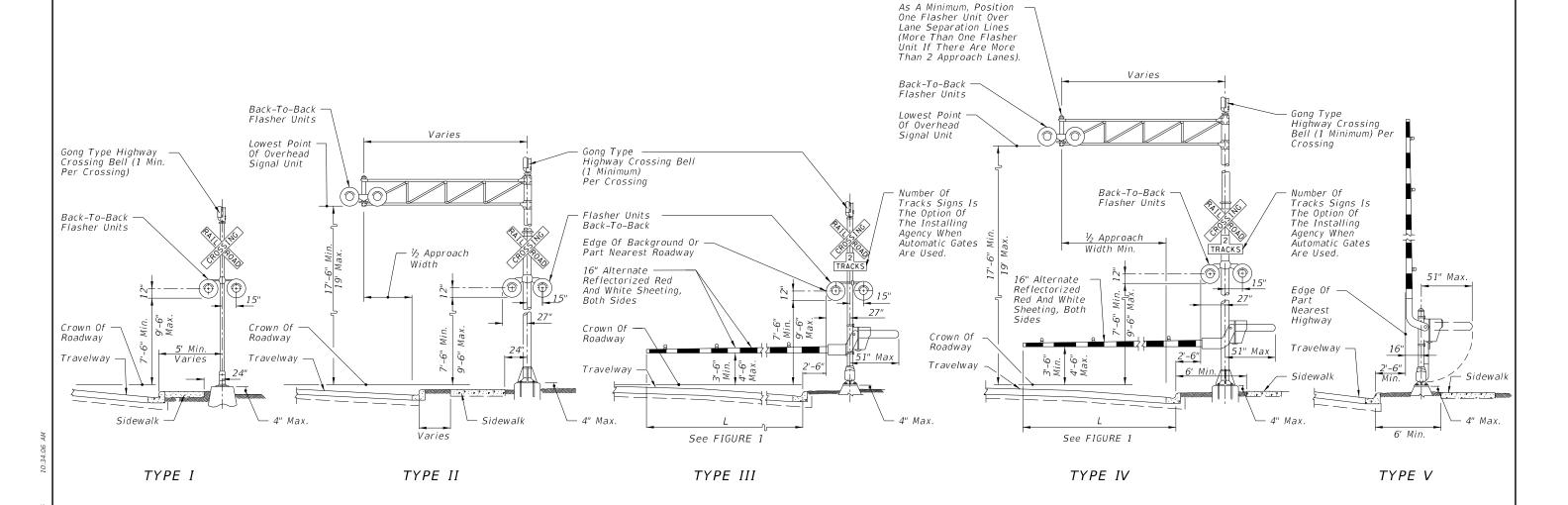
NO.

17882

SHEET

NO.

2 of 4



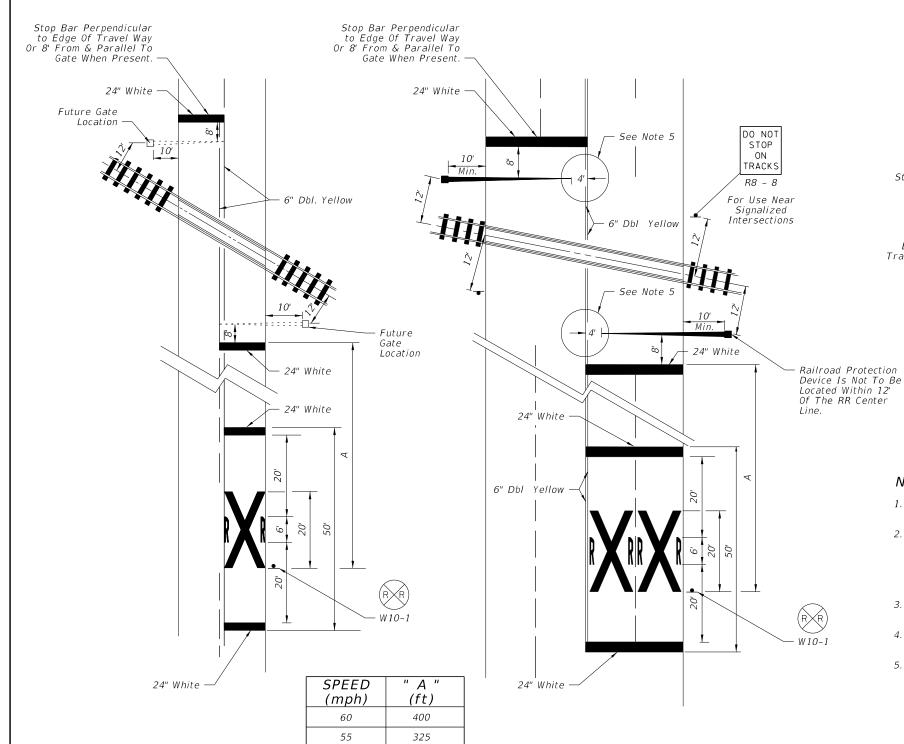
2016

DESIGN STANDARDS

## RAILROAD CROSSING AT TWO (2)-LANE ROADWAY

# RAILROAD CROSSING AT MULTILANE ROADWAY

### RELATIVE LOCATION OF CROSSING TRAFFIC CONTROL DEVICES



50

45

40

35

URBAN

250

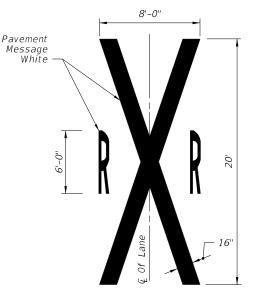
175

125

100

85 MIN.

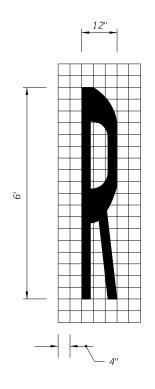
Flashing Signal With Gates Stop Line -Flashing Signal (If Not with Gate) Edge Of Travel way As Required



### NOTES:

- 1. When computing pavement message, quantities do not include
- 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.
- 3. A portion of the pavement markings symbol should be directly opposite the W10-1 sign.
- 4. Recommended location for FTP-61-06 or FTP-62-06 signs, 100' urban and 300' rural. See Index 17355 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



**REVISION** 07/01/10

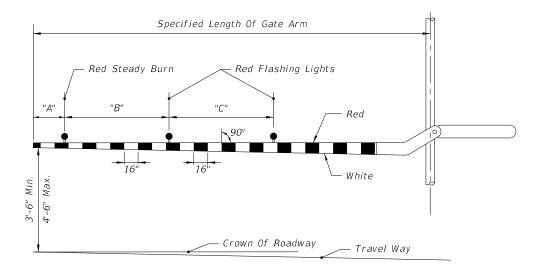
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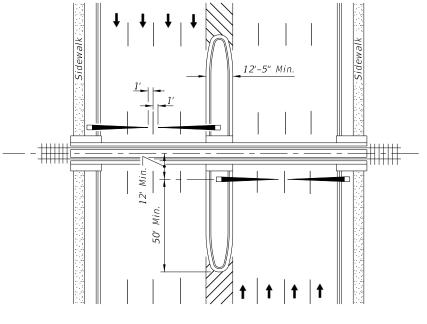
2016 DESIGN STANDARDS

RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES

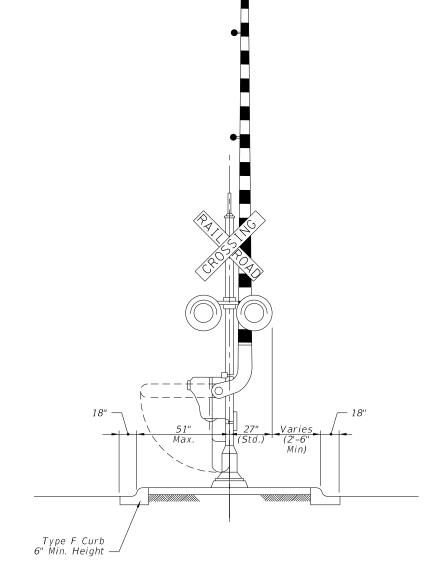
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PLAN



# MEDIAN SECTION AT SIGNAL GATES

# RAILROAD GATE ARM LIGHT SPACING

Specified Length Of Gate Arm	Dimension "A"	Dimension "B"	Dimension "C"
14 Ft.	6"	36"	5'
15 Ft.	18"	36"	5'
16-17 Ft.	24"	36"	5'
18-19 Ft.	28"	41"	5'
20-23 Ft.	28"	4'	5'
24-28 Ft.	28"	5'	5'
29-31 Ft.	36"	6'	6'
32-34 Ft.	36"	7'	7'
35-37 Ft.	36"	9'	9'
38 And Over	36"	10'	10'

NOTE: For additional information see the "Manual On Uniform Traffic Control Devices", Part 8; The "Traffic Control Handbook" , Part VIII; and AASHTO "A Policy On Geometric Design Of Streets And Highways".

MEDIAN SIGNAL GATES FOR

MULTILANE UNDIVIDED URBAN SECTIONS

(THREE OR MORE DRIVING LANES IN ONE DIRECTION, 45 MPH OR LESS)

REVISION 01/01/12

DESCRIPTION:

2016 DESIGN STANDARDS RAILROAD GRADE CROSSING

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