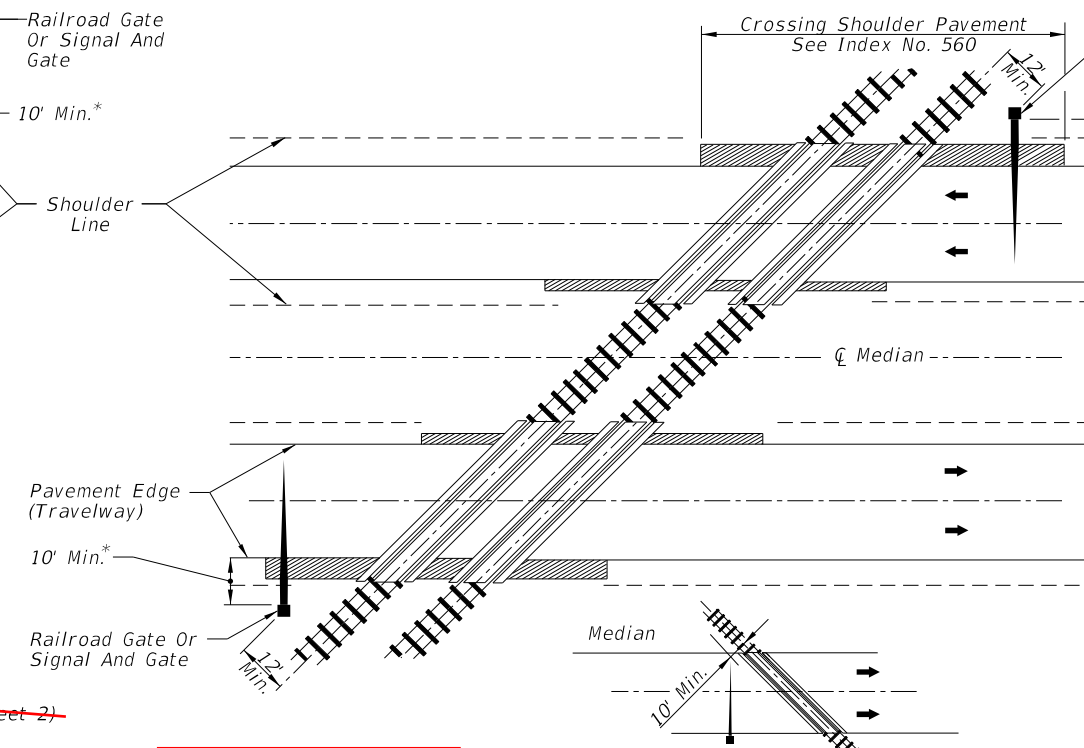


**SIGNAL PLACEMENT AT RAILROAD CROSSING
(2 - LANE DESIGN)**



**SIGNAL PLACEMENT AT RAILROAD CROSSING
(4 - LANE DESIGN)**

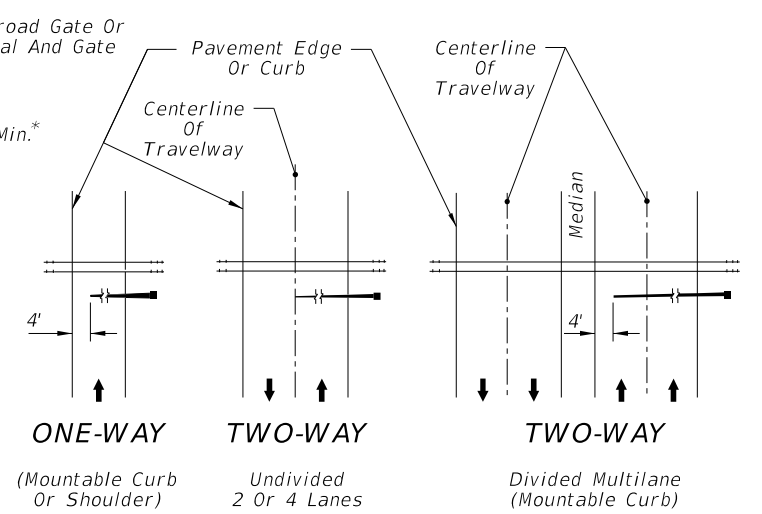


FIGURE 1
Gate Length Requirements
See Note 5 Sheet 3

GENERAL NOTES:

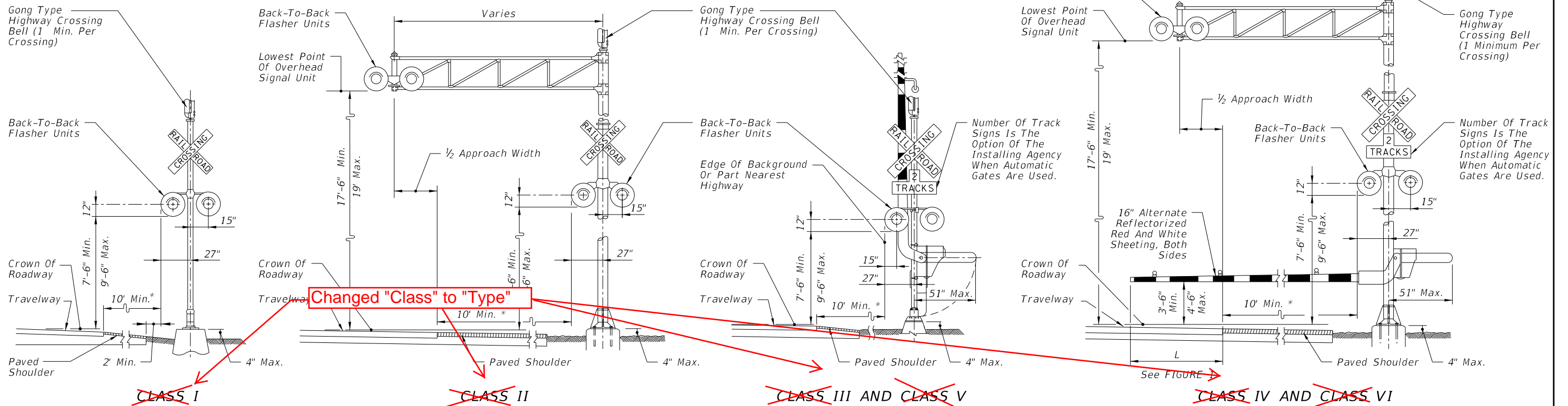
- No guardrail is proposed for signals; however, some form of impact attenuation device may be specified for certain locations.
- Advance flasher to be installed when and if called for in plans or specifications.
- Top of foundation shall be no higher than 4" above finished shoulder grade.
- Type of traffic control device (See Sheet 2):
 I Flashing lights
 II Flashing lights with cantilever
 III Flashing lights with gate
 IV Flashing lights with cantilever and gate
 V Gate
- Class of traffic control devices:
 I 2 Quadrant flashing lights with one track
 II 2 Quadrant flashing lights -multiple tracks
 III 2 Quadrant flashing lights and gates-one track
 IV 2 Quadrant flashing lights and gates-multiple tracks
 V 3-4 Quadrant flashing lights and gates-one track
 VI 2-4 Quadrant flashing lights and gates-multiple tracks

Added: (Not Shown)

Note:
Two separate foundations may be required (one for signals, one for gate), depending on type of equipment used.

* When 10' is deemed impracticable the control device can be located as close as 2' from the edge of a paved shoulder but not less than 6' from the edge of the near traffic lane.

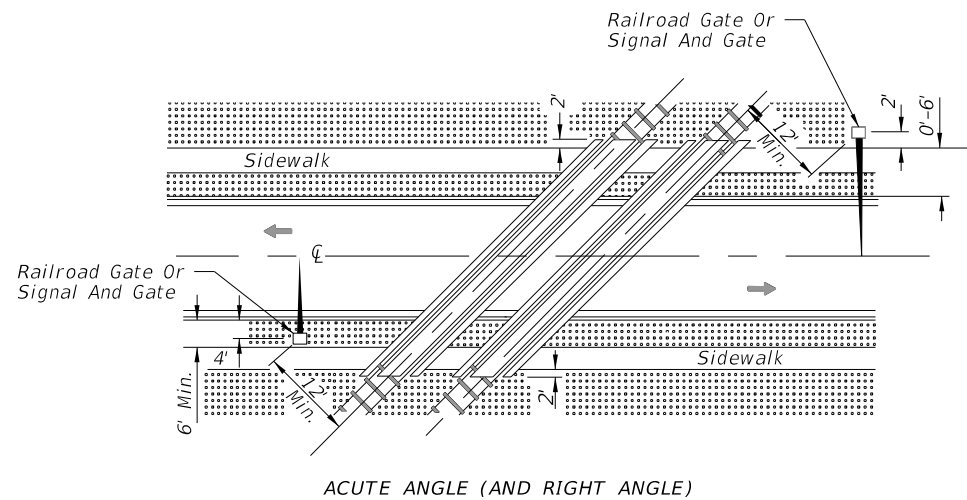
Changed "lights" to "warning devices"



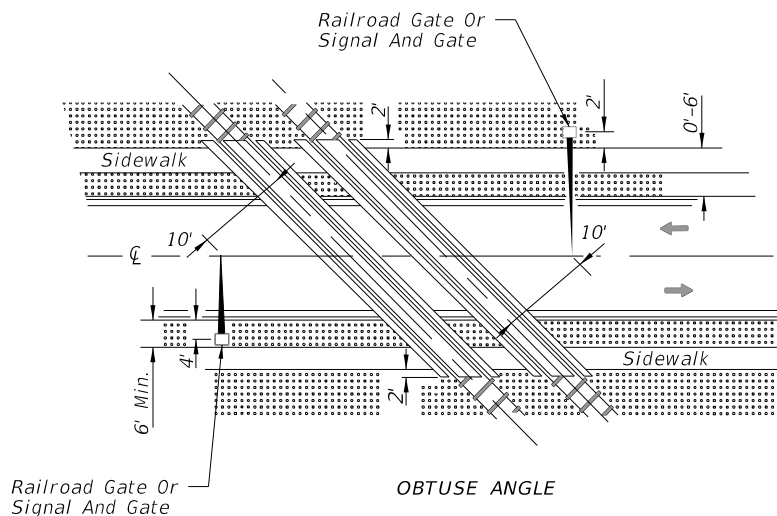
Changed "Class" to "Type"

Added Title	TRAFFIC CONTROL DEVICES FOR FLUSH SHOULDER ROADWAY	FY 2017-18	RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES	INDEX NO. 17882	SHEET NO. 1 of 4
-------------	--	------------	---	-----------------	------------------

9/16/2016 12:51:40 PM



ACUTE ANGLE (AND RIGHT ANGLE)



OBTUSE ANGLE

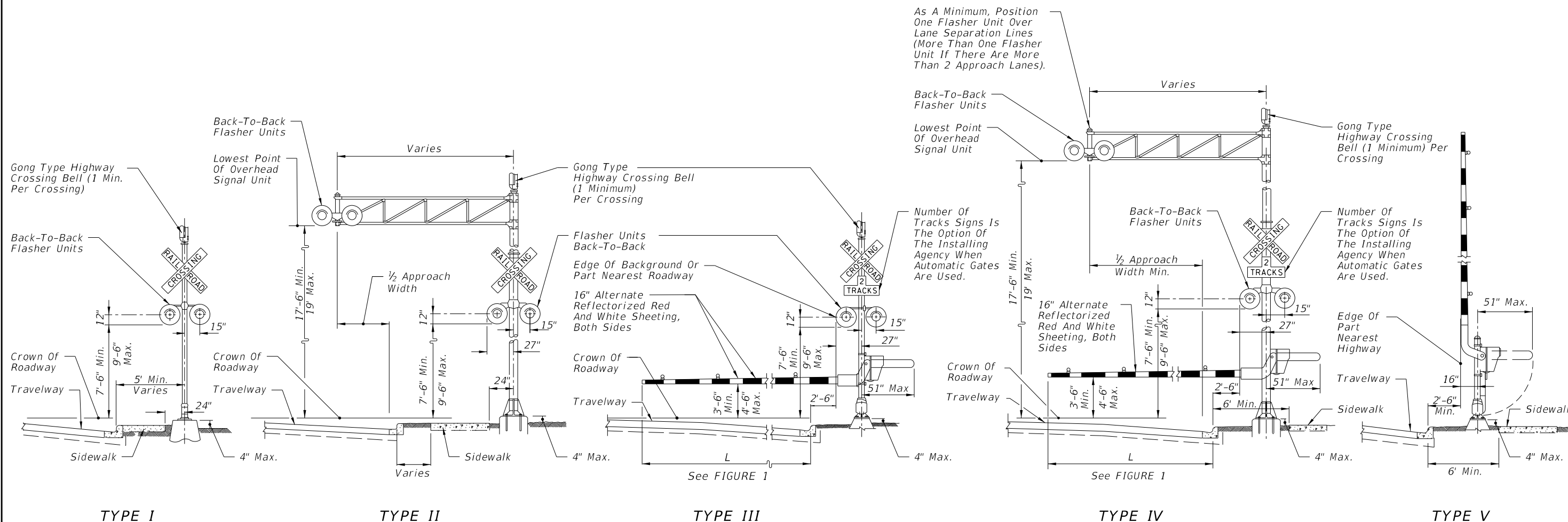
NOTES:

1. The location of flashing lights 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. 0' 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 7'-6" from above the Crown of Roadway to the Lowest Point of the Overhead Signal Unit.

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

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

Changed "lights" to "warning devices"



TYPE I

TYPE II

TYPE III

TYPE IV

TYPE V

Added Title → TRAFFIC CONTROL DEVICES FOR CURBED ROADWAY

9/16/2016 12:51:44 PM

LAST REVISION 11/01/16	REVISION	DESCRIPTION:	FY 2017-18 DESIGN STANDARDS	RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES	INDEX NO. 17882	SHEET NO. 2 of 4
---------------------------	----------	--------------	--------------------------------	--	--------------------	---------------------