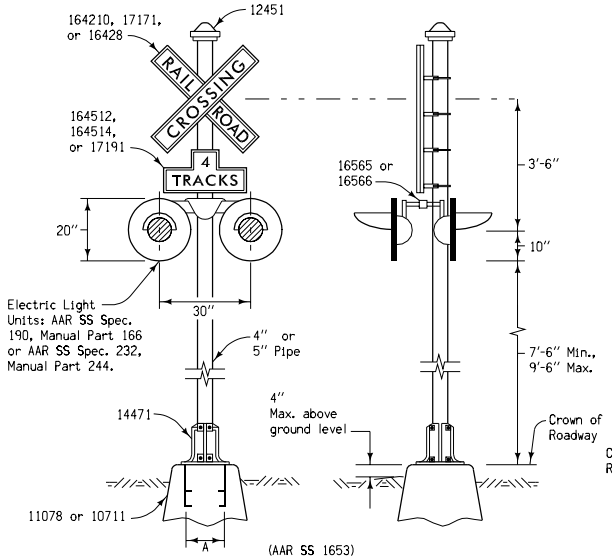
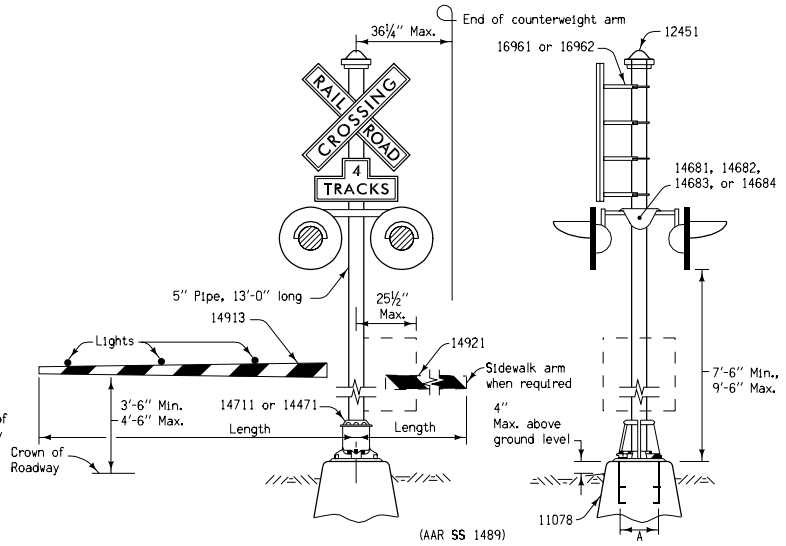


(AAR SS 1653)

TYPE 'A' FLASHING LIGHT SIGNAL

Note: For cantilever span assembly, use AAR SS Drawings 1686 or 1688.



(AAR SS 1489)

TYPE WITH SUSPENDED LIGHTS AND MAST MOUNTED GATE

TYPE 'D' FLASHING LIGHT SIGNAL WITH SHORT GATE ARMS

All drawings of signals are typical and variations in the mounting are permissible (see MUTCD).

Signals furnished under this plan for installation on Federal Grade Crossing projects are subject to the approval of the Federal Highway Administration.

Signals shall be the manufacturer's latest approved design.

Details and dimensions not shown on these plans shall conform with current AAR Signal Section recommended practice.

All types to be provided with bell when required.

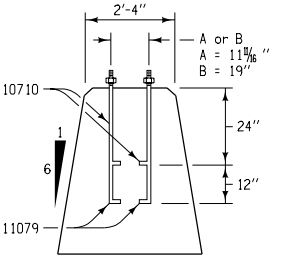
Reference numbers are taken from AAR Signal Section Manual.

Minimum lateral clearance is 6 feet from the edge of the roadway shoulder but not less than 12 feet from the edge of the traveled way in rural areas, and 2 feet from the face of the curb curb in urban areas.

No Welding of the anchor bolts is permitted.

① Where there is no curb, a minimum horizontal clearance of 2 feet from edge of a paved or surfaced shoulder shall be provided with a minimum clearance of 6 feet from the edge of the traveled roadway. Where there is no curb or shoulder, the minimum horizontal clearance shall be 6 feet from the edge of the roadway.

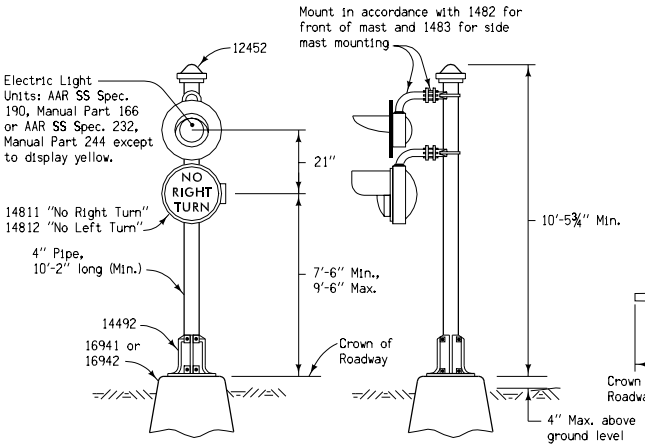
All foundations shall be provided with cable chases of sufficient size to permit easy entrance of cables. Precast concrete bases of equal stability may be used as an alternate to the base shown.



(AAR SS 1107)

CONCRETE BASE

(Approved alternate base design may be used) ①



(AAR SS 1488)

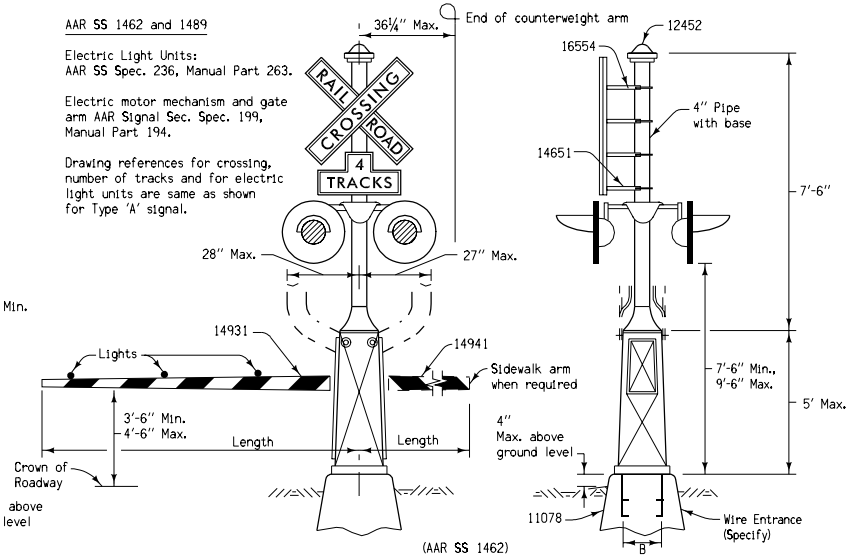
"NO RIGHT TURN" OR "NO LEFT TURN" SIGNAL ASSEMBLY

AAR SS 1462 and 1489

Electric Light Units: AAR SS Spec. 236, Manual Part 263.

Electric motor mechanism and gate arm AAR Signal Sec. Spec. 199, Manual Part 194.

Drawing references for crossing, number of tracks and for electric light units are same as shown for Type 'A' signal.



(AAR SS 1462)

TYPE WITH EXTENDED LIGHTS AND PEDESTAL MOUNTED GATE

TYPE 'D' FLASHING LIGHT SIGNAL WITH SHORT GATE ARMS

Iowa Department of Transportation

STANDARD ROAD PLAN

REVISION	
9	04-17-07

RD-7

SHEET 1 of 1

REVISIONS: Added note to prohibit welding of galvanized anchors.

Deanna Maifield
APPROVED BY DESIGN METHODS ENGINEER

RAILROAD CROSSING SIGNALS (General Plan)