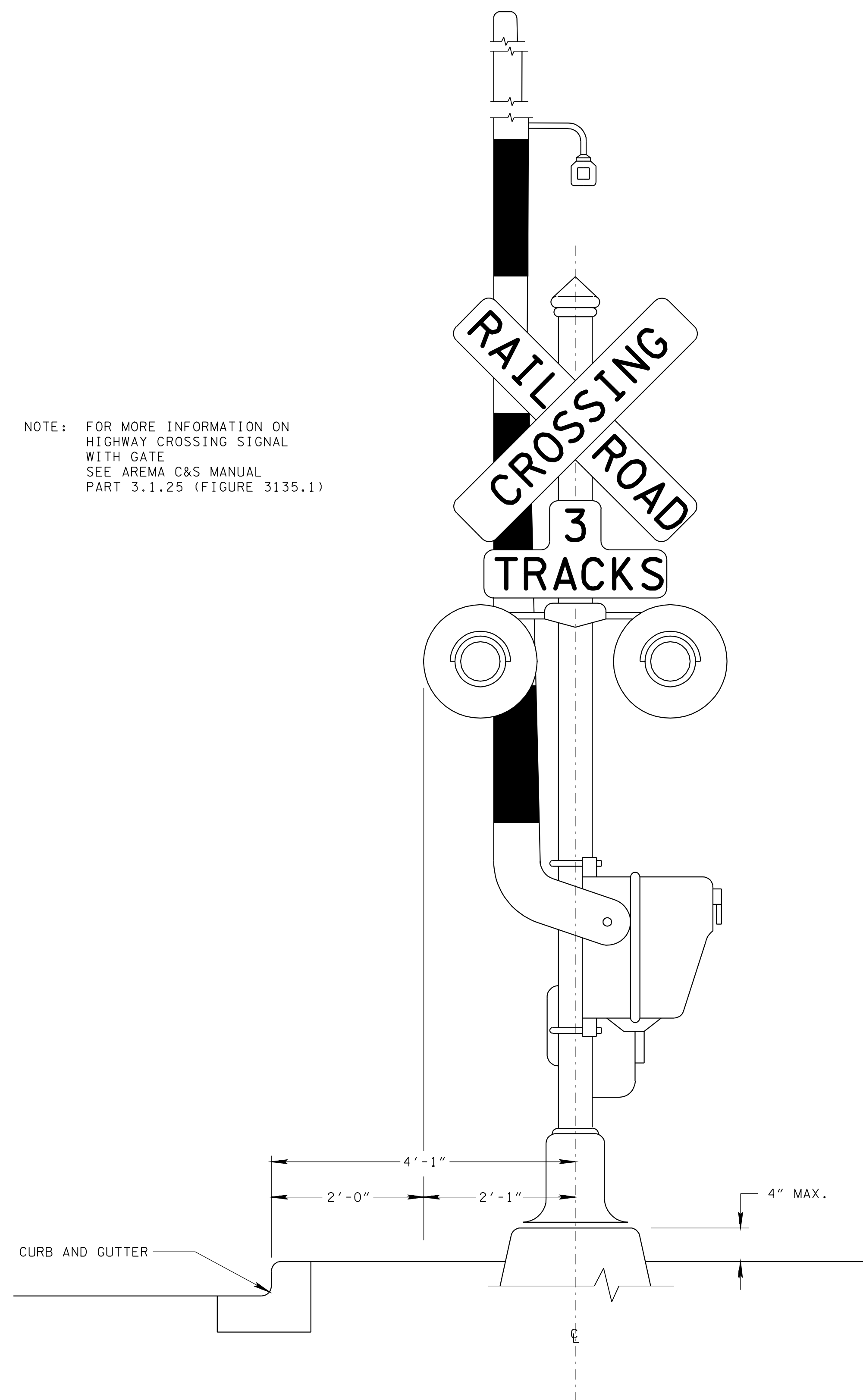


NOTE: FOR MORE INFORMATION ON HIGHWAY CROSSING SIGNAL WITH GATE SEE AREMA C&S MANUAL PART 3.1.25 (FIGURE 3135.1)



TYPICAL CURB AND GUTTER PLAN FOR RAILROAD-HIGHWAY CROSSING SIGNALS WITH OR WITHOUT GATES

GENERAL NOTES

- (A) WHEN THERE IS A CURB, A HORIZONTAL OFFSET OF AT LEAST 2 FEET SHALL BE PROVIDED FROM THE FACE OF THE VERTICAL CURB TO THE CLOSEST PART OF THE SIGNAL OR GATE ARM IN ITS UPRIGHT POSITION.
- (B) WHEN THERE IS A SHOULDER, BUT NO CURB, A HORIZONTAL OFFSET OF AT LEAST 2 FEET FROM THE EDGE OF A PAVED OR SURFACED SHOULDER SHALL BE PROVIDED, WITH AN OFFSET OF AT LEAST 6 FEET FROM THE EDGE OF THE TRAVELED WAY.
- (C) WHEN THERE IS NO CURB OR SHOULDER, THE MINIMUM HORIZONTAL OFFSET SHALL BE 6 FEET FROM THE EDGE OF TRAVELED WAY.
- (D) EQUIPMENT HOUSINGS (CONTROLLER CABINETS) SHOULD HAVE A LATERAL OFFSET OF AT LEAST 30 FEET FROM THE EDGE OF THE HIGHWAY, AND WHERE RAILROAD OR LIGHT RAIL TRANSIT PROPERTY AND CONDITIONS ALLOW, AT LEAST 25 FEET FROM THE NEAREST RAIL.
- (E) IF A PEDESTRIAN ROUTE IS PROVIDED, SUFFICIENT CLEARANCE FROM SUPPORTS, POSTS, AND GATE MECHANISMS SHOULD BE MAINTAINED FOR PEDESTRIAN TRAVEL.
- (F) WHEN DETERMINED BY AN ENGINEERING STUDY, A LATERAL ESCAPE ROUTE TO THE RIGHT OF THE HIGHWAY IN ADVANCE OF THE GRADE CROSSING TRAFFIC CONTROL DEVICES SHOULD BE KEPT FREE OF GUARDRAIL OR OTHER GROUND OBSTRUCTIONS. WHERE GUARDRAIL IS NOT DEEMED NECESSARY OR APPROPRIATE, BARRIER SHOULD NOT BE USED FOR PROTECTING SIGNAL SUPPORTS.
- (G) THE SAME LATERAL OFFSET AND ROADSIDE SAFETY FEATURES SHOULD APPLY TO FLASHING-LIGHT SIGNAL AND AUTOMATIC GATE LOCATION ON BOTH THE RIGHT-HAND AND LEFT-HAND SIDES OF THE ROADWAY.
- (H) WHERE BOTH TRAFFIC CONTROL SIGNAL AND FLASHING-LIGHT SIGNAL (WITH OR WITHOUT AUTOMATIC GATES) ARE IN OPERATION AT THE SAME HIGHWAY-LRT GRADE CROSSING, THE OPERATION OF THE DEVICES SHOULD BE COORDINATED TO AVOID ANY DISPLAY OF CONFLICTING SIGNAL INDICATIONS.
- (I) WHERE GATES ARE LOCATED IN THE MEDIAN, ADDITIONAL MEDIAN WIDTH MAY BE REQUIRED TO PROVIDE THE MINIMUM CLEARANCE FOR THE COUNTERWEIGHT SUPPORTS.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

STANDARD DRAWING FOR TYPICAL CURB & GUTTER PLAN FOR RAILROAD-HIGHWAY CROSSING WITH OR WITHOUT GATES

T-RR-4