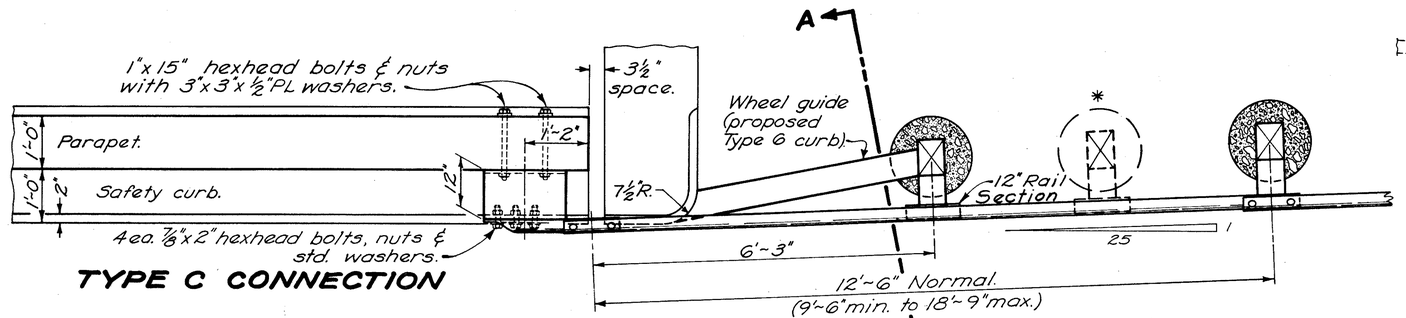
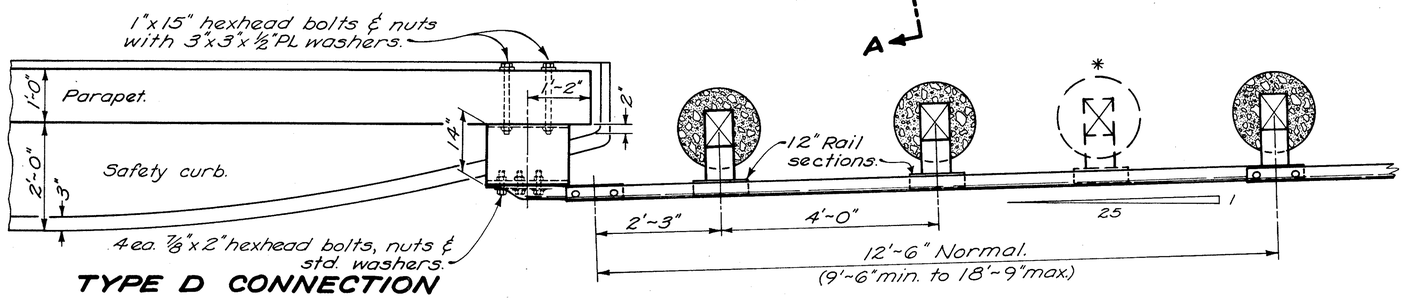
FHWA REGION	STATE	PROJECT	
5	OHIO		

LAKE COUNTY
LAK-90-3.56

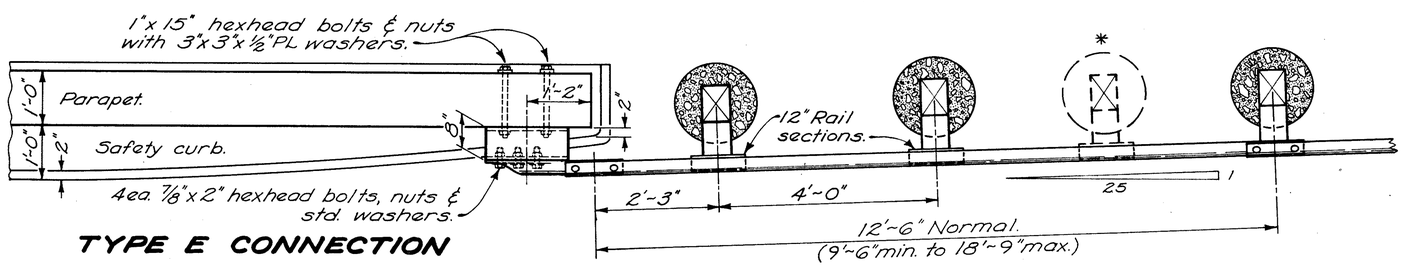
45
111



TYPE C CONNECTION

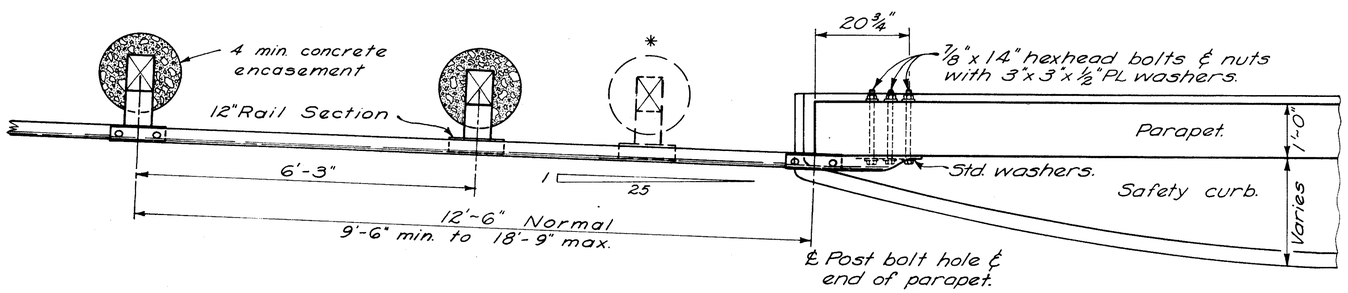


TYPE D CONNECTION



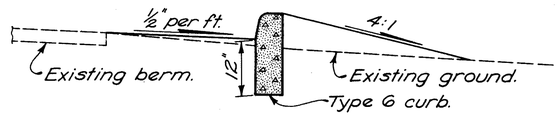
TYPE E CONNECTION

APPROACH ENDS

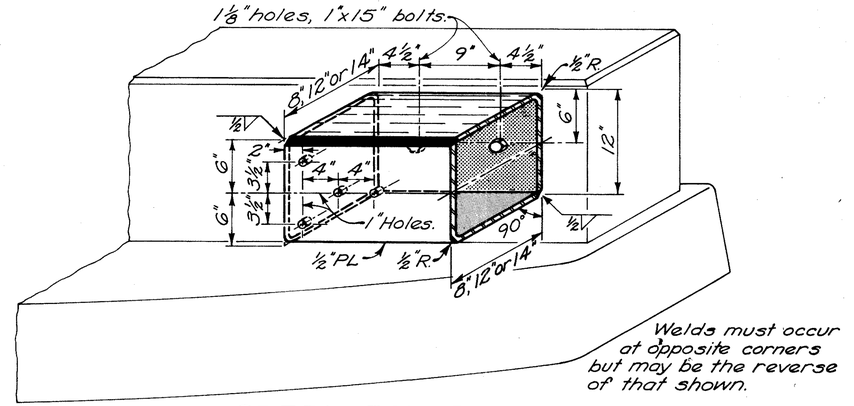


TYPE F CONNECTION

TRAILING END

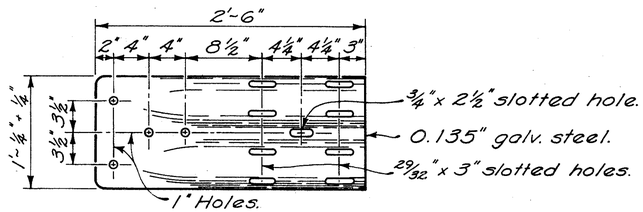


SECTION A-A



STEEL BOX DETAIL

A galv. steel box of the appropriate size (see connection type) shall be used on all approaches.



SPECIAL END SHOE

NOTES

GENERAL: This drawing shall govern where a conflict arises. For details not shown, see Standard Drawings GR-2B & GR-4.

All steel parts shall be galvanized in accordance with 710.06 or 710.10, whichever may apply.

ANCHORS: Self-drilling anchors (of the appropriate size) may be substituted for the 1" and ⅞" hexhead bolts shown in the parapets. Anchors may be of the snap-off chuck-end type or of the flush-end type conforming to Federal Specification No. FF-S-325, Group III, Type 1(a) or (c), or Type 2.

Bolts for use with the self-drilling anchors shall be ⅞"x1½" or 1"x2" as required.

*__POSTS:__ Place one additional encased post halfway between adjacent posts, or post and parapet, when panel length exceeds 12'-6".

All posts shall be 6"x8" wood or W6 x 15.5 steel.

GUARDRAIL TERMINATION, as directed by the Engineer. To avoid locating new posts of the adjacent run of guardrail in or near old backfilled post holes or to close existing gaps between rail and parapet, the 12'-6" normal rail section may vary as dimensioned. The horizontal dimensions (1'-2" or 20¾") of the end shoe location may be increased to avoid existing parapet steel.

PAYMENT: Price bid for bridge terminal assemblies shall include the additional cost, in excess of normal guardrail cost, for steel posts, concrete encasement, steel boxes, special end shoes, self-drilling anchors, curbing and embankment.

Connections shall be paid for as 606 Bridge terminal assembly, Type ——.

DATE
6-8-70
1-1-71
12-15-71
7-24-72

GUARDRAIL CONNECTIONS TO EXISTING BRIDGES