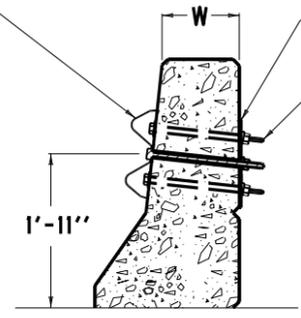


TERMINAL SECT. NO. 2. FOR RECTANGULAR PLATE WASHER REQUIREMENTS AT SPLICE SEE CUR. STD. DWG. RBR-010

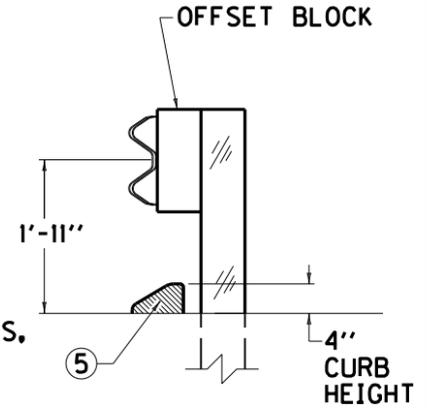
PLAN VIEW TYPE A-1

TERMINAL SECT. NO. 2

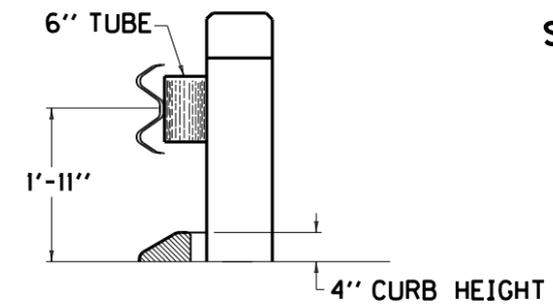


SECTION A-A

PLATE "A"
 4 - 7/8" HEX HEAD BOLTS (LENGTH W + 6"), 4 NUTS, 4 BEVELED WASHERS AND 4 FLAT WASHERS.
 ~ OR ~
 4 - 7/8" STEEL THREADED RODS (LENGTH W+8"), 8 NUTS, 4 BEVELED WASHERS AND 4 FLAT WASHERS.



SECTION B-B



SECTION C-C

FILE NAME: C:\PWORK\HENRY.WELLS\004457\KYTC-SHEET.CEL
 USER: Henry.Wells
 DATE PLOTTED: October 25, 2011
 E-SHEET NAME:
 MicroStation v8.11.9.459

~ NOTES ~

1. GENERAL
 - a. SEE CUR. STD. DWGS. IN THE RBB, RBI, RBR, AND RPM-SERIES FOR OTHER RELATED GUARDRAIL DETAILS AND BRIDGE PLANS FOR BRIDGE WING DETAIL.
 - b. SEE CUR. STD. DWG. RDB-SERIES FOR CURB BOX INLET TYPE B.
 - c. GUARDRAIL CONNECTOR TO BRIDGE END TYPE A-1 IS FOR USE ON THE EXIT END OF A DIVIDED HIGHWAY.
2. MATERIAL REQUIREMENTS

ALL HARDWARE SHALL BE GALVANIZED. (AASHTO M-232)

5/8" STEEL PLATE "A" (AASHTO M-270)

7/8" HEX HEAD BOLTS OR STEEL THREADED RODS (LENGTH AS SHOWN)

7/8" HEAVY HEX NUTS (7/8" THICK) (AASHTO M-291)

7/8" FLAT WASHERS (3/16" THICK) (AASHTO M-293)

7/8" BEVELED WASHERS (5/16" MEAN THICKNESS) (AASHTO M-293)

BOTH THE BOLT AND THREADED ROD SHALL HAVE A MINIMUM OF 50,000 LBS. TENSILE STRENGTH AT THE NARROWEST POINT.
3. CONSTRUCTION METHODS
 - a. ELIMINATE EXTRA OFFSET BLOCKS WHEN CURB BOX INLET TYPE B IS NOT REQUIRED.
 - b. HOLES TO BE FORMED THROUGH BRIDGE WING WITH 1" I.D. PLASTIC PIPE FOR 7/8" BOLTS. PLASTIC PIPE SHALL REMAIN IN PLACE.
4. METHOD OF MEASUREMENT AND BASIS OF PAYMENT
 - a. GUARDRAIL CONNECTOR TO BRIDGE END TYPE A-1 SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH, WHICH INCLUDES TERMINAL SECT. NO. 2, RAIL ELEMENTS, SPACER TUBE, HARDWARE AND ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE INSTALLATION. STEEL "W" BEAM GUARDRAIL (SINGLE FACE) AND ISLAND HEADER CURB ARE SEPARATE BID ITEMS WHICH ARE ALWAYS REQUIRED. CURB BOX INLET TYPE B IS A SEPARATE BID ITEM THAT WILL BE USED WHEN REQUIRED FOR BRIDGE END DRAINAGE.

PAY ITEM	PAY UNIT
GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	EACH
GUARDRAIL-STEEL "W" BEAM-S FACE	LF
ISLAND HEADER CURB TYPE 1 OR 2	LF
CURB BOX INLET TYPE B (AS REQUIRED)	EACH
 - b. THE PLASTIC PIPE AND COST OF FORMING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR BRIDGE SUPERSTRUCTURE CONCRETE.

- (5) ISLAND HEADER CURB. TRANSITION FROM ISLAND CURB SHAPE TO SHAPE ON BRIDGE WING WITHIN 7'-3". LENGTH OF CURB VARIABLE (22'-3" WHEN L=5'-0") (17'-3" WHEN L=10'-0") (12'-3" WHEN L=15'-0") (7'-3" WHEN L=20'-0"). ON APPROACH END CONSTRUCT 25'-0" OF ISLAND HEADER CURB EVEN WHEN CURB BOX INLET TYPE B IS NOT REQUIRED.
- (6) 6'-4" WHEN L=5'-0"
 11'-4" WHEN L=10'-0" ★
 16'-4" WHEN L=15'-0"
 21'-4" WHEN L=20'-0"
7. CURB BOX NOT REQUIRED UNLESS NEEDED FOR DRAINAGE.
 ★ 10'-0" LENGTH IS REQUIRED UNLESS OTHERWISE NOTED.
 L EQUALS THROAT LENGTH OF BOX.

USE WITH CUR. STD. DWGS.
 RBC-003 AND BHS-008

KENTUCKY
 DEPARTMENT OF HIGHWAYS

**GUARDRAIL CONNECTOR
 TO BRIDGE END
 TYPE A-1**

SUBMITTED *William S. Gallo* DATE 7-22-14
 027