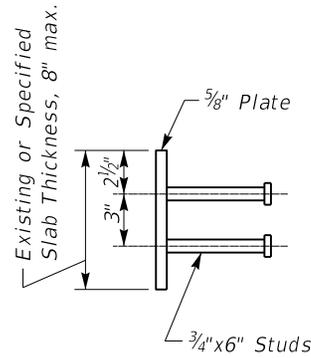
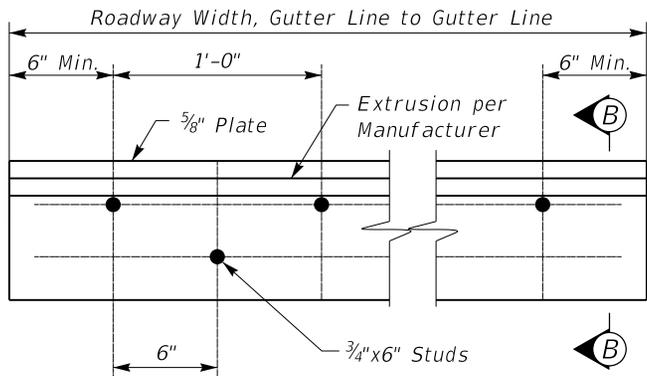


ARMORED EDGE

(For 1"-3" Expansion Dams and Bridge End)

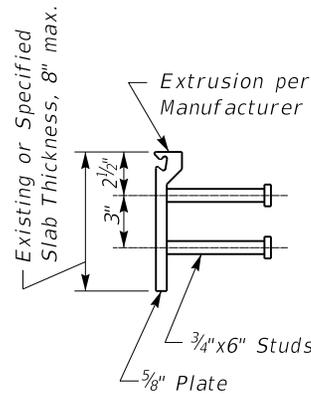


SECTION A-A

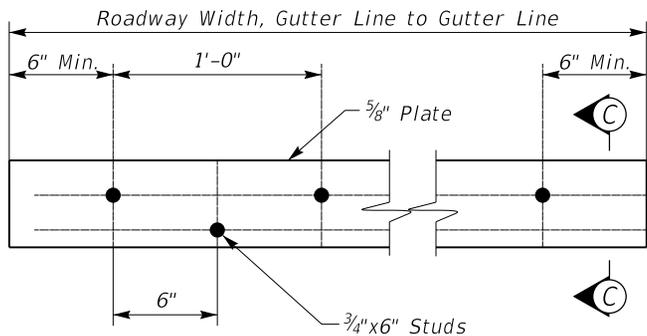


ARMORED EDGE

(For 4" & 5" Expansion Dams)

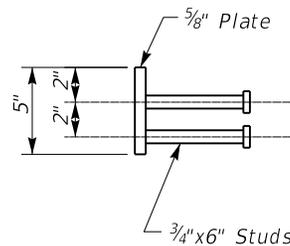


SECTION B-B



ARMORED EDGE

(For 5" Composite Box Beam Slab Ends)



SECTION C-C

General Notes

SPECIFICATIONS: All references to the Specifications are to the current edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction. All references to the AASHTO Specifications are to the current edition of the AASHTO LRFD Bridge Design Specifications.

WELDING SPECIFICATIONS: Ensure techniques and welding procedure comply with current joint specification ANSI/AASHTO/AWS D1.5 Bridge Welding Code.

MATERIALS:

- A. Structural Steel. Use new, commercial grade steel suitable for welding. The Engineer will base acceptance on visual inspection.
- B. Stud Anchors. The armored edge stud anchors are 3/4" embedded stud shear connectors conforming to ASTM A108, Grade 1015.

LOCATION: Locate armored edges and/or expansion dams in accordance with detail plans, proposals and applicable Standard Drawings.

PAINT: Clean and paint all structural steel in accordance with the with the requirement of Section 607, except that surfaces to come in contact with concrete are not to be painted and no field coating will be required.

SHOP DRAWINGS: Contrary to the Specifications, no shop plans are required.

PLACEMENT: Fabricate and place new armored edges to match original or new grade.

STAGE CONSTRUCTION: If installation of armored edges in two or more stages is necessary. Join the armored edges at or near the centerline of the roadway or lane line, field weld and grind smooth.

BASIS OF PAYMENT:

- A. ARMORED EDGE AT END OF BRIDGE: Payment at the contract unit price bid for Armored Edge for Concrete shall be full compensation for furnishing and installing the armored edge as specified. Measurement shall be in linear feet from gutter line to gutter line with concrete barrier or curb type railing or existing parapet applications and from fascia to fascia of slab for metal or guardrail type railing systems and no curb.
- B. ARMORED EDGE AT EXPANSION JOINTS: Payment for armored edge at expansion joints shall be included in the unit price bid for the specified application and joint size.

KENTUCKY
DEPARTMENT OF HIGHWAYS

ARMORED EDGES

STANDARD DRAWING NO. BJE-001-14
 SUBMITTED: *Bob Adams* 02-26-20
 DIRECTOR DIVISION OF STRUCTURAL DESIGN DATE
 APPROVED: *Bob Adams* 02-26-20
 STATE REGISTERED ENGINEER DATE