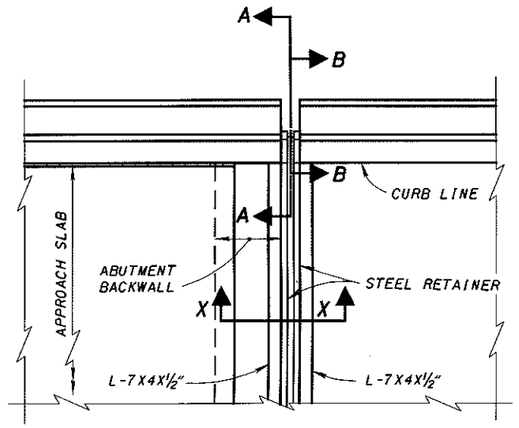
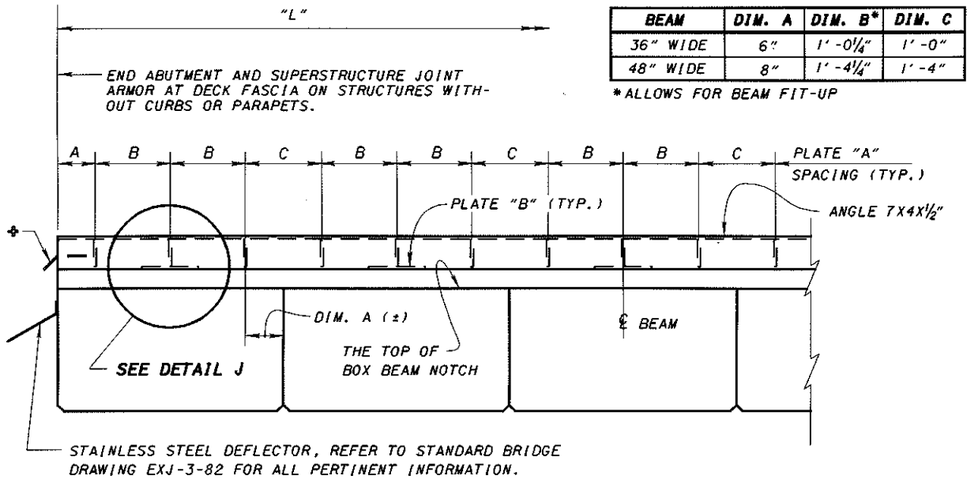


PART PLAN AT ABUTMENT

FOR SQUARE OR LOW SKEWED (15° OR LESS) BRIDGES WITH DEFLECTOR PARAPET RAILING

(BR-1 RAILING IS SHOWN, SBR-1-99 SHALL BE SIMILAR)



BEAM	DIM. A	DIM. B*	DIM. C
36" WIDE	6"	1'-0¼"	1'-0"
48" WIDE	8"	1'-4¼"	1'-4"

*ALLOWS FOR BEAM FIT-UP

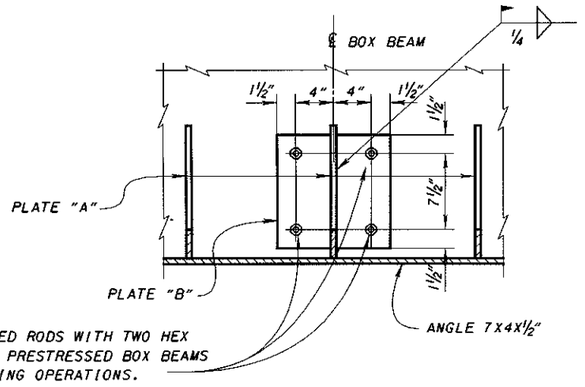
NOTE: WHERE THE TOTAL WIDTH OUT TO OUT OF BOX BEAMS IS EQUAL TO THE BRIDGE ROADWAY WIDTH, JOINT ARMOR SHALL BE OF SUFFICIENT LENGTH TO ALLOW FOR FIT-UP OF BEAMS. SEE FORMULA FOR LENGTH "L".

L = LENGTH OF JOINT, EDGE TO EDGE OF DECK (FEET) = [(N-1)(½)+N(W)]/(12 COS Θ)
N = NUMBER OF BEAMS
W = NOMINAL WIDTH OF BEAMS (INCHES)
Θ = SKEW ANGLE OF JOINT

END OF SUPERSTRUCTURE

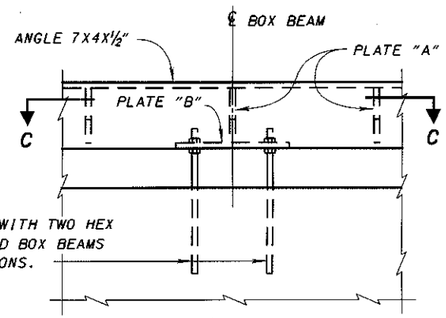
WITHOUT CURBS OR PARAPETS

✣ - STEEL DRIP STRIP. SEE STANDARD BRIDGE DRAWING. (NOT INCLUDED WITH EXPANSION JOINT FOR PAYMENT.)



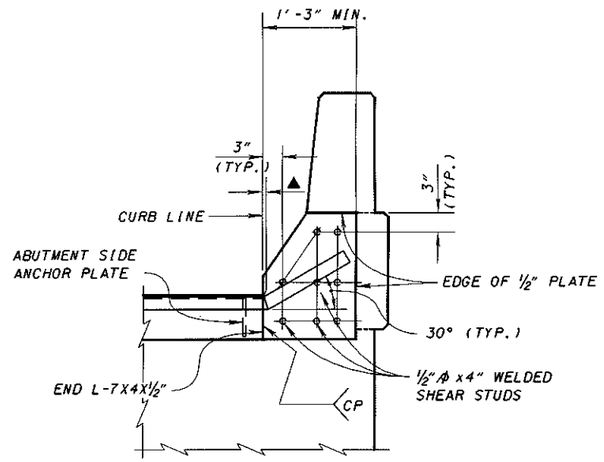
⅝"Φ THREADED RODS WITH TWO HEX NUTS SET IN PRESTRESSED BOX BEAMS DURING CASTING OPERATIONS.

SECTION C-C

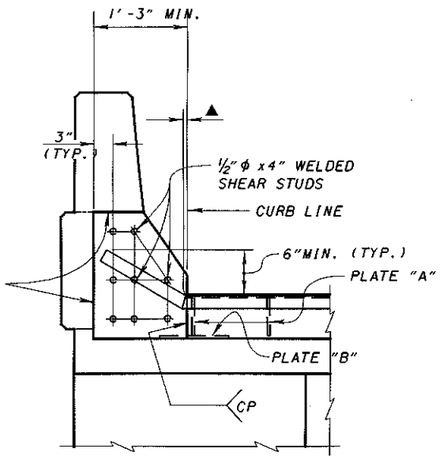


2 - ⅝"Φ THREADED RODS WITH TWO HEX NUTS SET IN PRESTRESSED BOX BEAMS DURING CASTING OPERATIONS.

DETAIL J

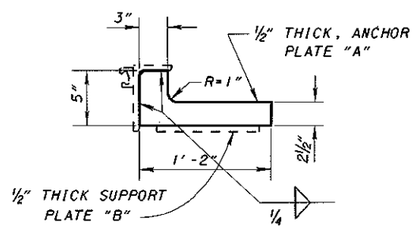


SECTION A-A

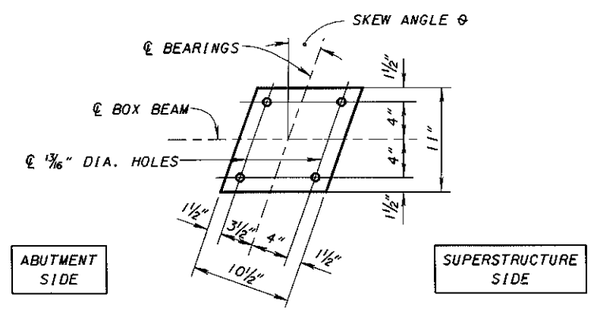


SECTION B-B

▲ - 0" MIN. TO ½" MAX. AT BREAKPOINT IN RETAINER FOR SQUARE BRIDGES. ON SKEWED BRIDGES THIS DIMENSION WILL ONLY APPLY TO THE SIDE OF JOINT ASSEMBLY WHICH IS NEAREST TO THE CURB LINE. (SEE SHEET 2 / 5).



DETAIL OF PLATE "A"



PLAN OF PLATE "B"

FOR SECTION X-X SEE SHEET 2 / 5 .

DESIGN AGENCY
OFFICE OF STRUCTURAL ENGINEERING

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
Ed Hamilton 01-20-94
ENGINEER OF BRIDGES DATE

REVISIONS	DESIGNED	DRAWN	CHECKED	REVISED
2-14-97 04-20-01	AJM	AJM	JS	WTL/LAW

EXJ-5-93

STANDARD
STRIP SEAL EXPANSION JOINTS
CONCRETE BOX BEAM STRUCTURES

1 / 5