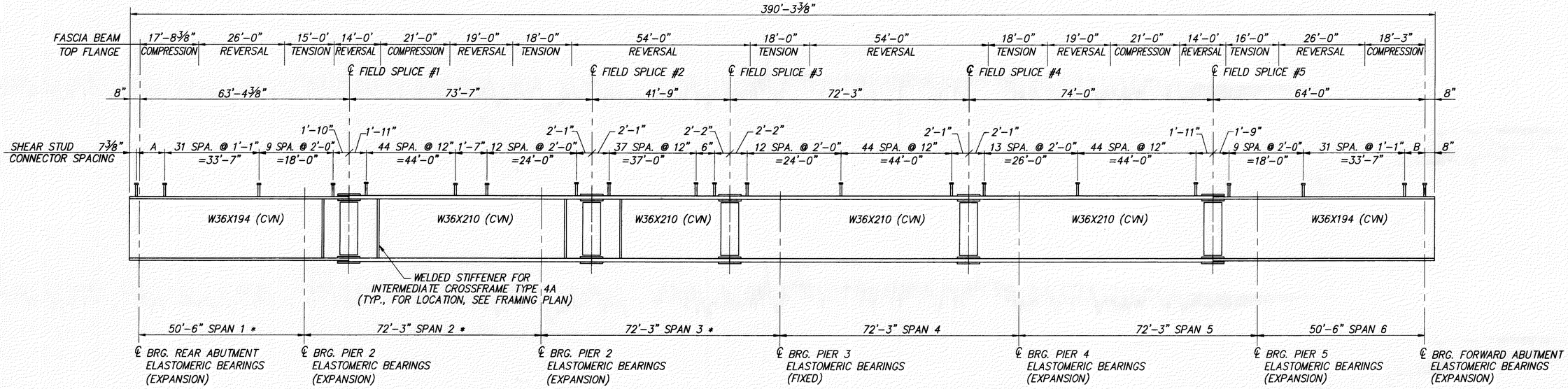
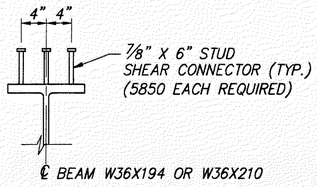



A = 15 SPA. @ 8"=10'-0"
B = 16 SPA. @ 8"=10'-8"
* – SPAN LENGTHS ARE MEASURED ALONG REFERENCE LINE.

## BEAM ELEVATION

(HOLES IN BEAM WEB FOR INTERMEDIATE CROSSFRAMES TYPE 2 ARE NOT SHOWN)




## TYPICAL STUD DETAIL

STEEL NOTES:

ALL STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 50, UNLESS OTHERWISE NOTED.

CVN WHERE A SHAPE OR PLATE IS DESIGNATED (CVN) THE MATERIAL SHALL MEET SPECIFIED MINIMUM NOTCH TOUGHNESS REQUIREMENTS AS SPECIFIED IN 711.01.

HIGH STRENGTH BOLTS SHALL BE
FOR FIELD SPLICES – 1 1/8" DIAMETER A325, GALVANIZED, TYPE 1.
FOR CROSSFRAME CONNECTIONS – 7/8" DIAMETER A325, GALVANIZED, TYPE 1.

WELDED ATTACHMENT OF SUPPORTS FOR CONCRETE DECK FINISHING MACHINE MAY BE MADE TO AREAS OF THE FASCIA STRINGER TOP FLANGES DESIGNATED "COMPRESSION". ATTACHMENTS SHALL NOT BE MADE TO AREAS DESIGNATED "TENSION". FILLET WELDS TO COMPRESSION FLANGES SHALL BE NOT CLOSER THAN 1" FROM EDGE OF FLANGE, BE NOT MORE THAN 2" LONG, AND BE NOT SMALLER THAN 1/4" FOR THE THICKNESSES UP TO 3/4" AND 5/16" FOR GREATER THAN 3/4" THICK.
IN THE AREAS DESIGNATED "TENSION", THE CONTRACTOR MAY WELD ATTACHMENTS FOR SUPPORTS OF THE CONCRETE DECK FINISHING MACHINE TO THE SHEAR CONNECTORS.

NOTES:

1. FOR BRIDGE TRANSVERSE SECTION, SEE SHEET 32/41.
2. FOR STEEL FRAMING PLAN, SEE SHEET 28/41.
3. FOR FIELD SPLICES #1 AND #2 DETAILS, INTERMEDIATE CROSSFRAMES TYPE 2 AND TYPE 4A DETAILS, SEE SHEET 31/41.
   FOR FIELD SPLICES #3, #4 AND #5, SEE ODOT STD. DWG. BS-1-93 SHEETS 1 & 3 OF 3.
4. FOR BEAM DEFLECTION AND CAMBER TABLE, AND CAMBER DIAGRAM, SEE SHEET 30/41.
5. FOR ELASTOMERIC BEARING DETAILS, SEE SHEET 36/41.
6. NOTATION: BRG.–BEARING; TYP.–TYPICAL; SPA.–SPACES;

CT Consultants
Engineers • Architects • Planners

DESIGNED I.A.S. | DRAWN I.A.S. | CHECKED J.P.R. | REVISED

REVIEWED J.E.A. 10/26/01 | DATE | STRUCTURE FILE NUMBER 4304055

BEAM ELEVATION AND DETAILS
BRIDGE NO. LAK-90-0945
S.R. 615 OVER INTERSTATE 90

LAK-IR90/SR615-9.26/1.51

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