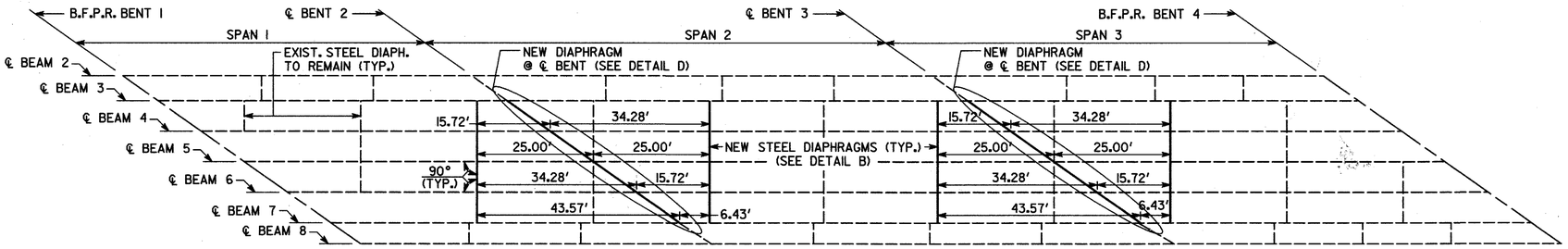
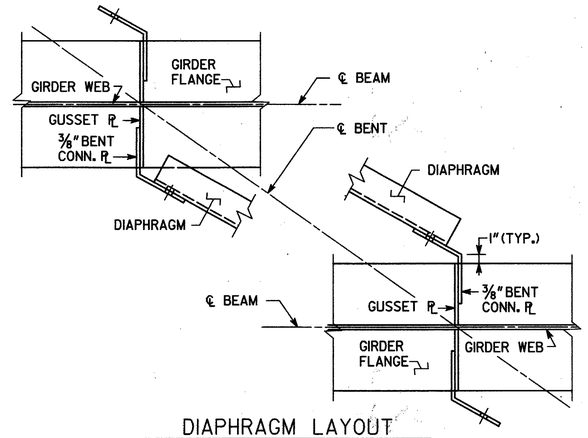
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M002-00(789)	96	



DIAPHRAGM LAYOUT - LEFT BRIDGE



DIAPHRAGM LAYOUT

(BENTS 2 & 3 LEFT & RIGHT BRIDGES)

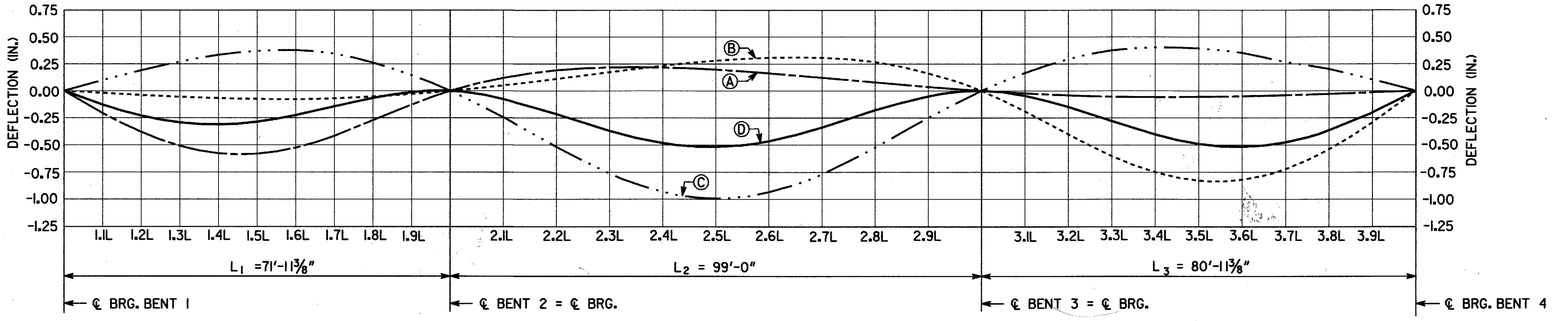
DEFLECTIONS DUE TO:

Ⓐ POUR 1 - WEIGHT OF S.I.P. FORMS AND SLAB

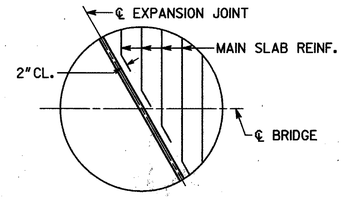
Ⓑ POUR 2 - WEIGHT OF S.I.P. FORMS AND SLAB

Ⓒ POUR 3 - WEIGHT OF S.I.P. FORMS AND SLAB

Ⓓ TOTAL DEFLECTION = Ⓐ + Ⓑ + Ⓒ



DEAD LOAD DEFLECTION - LEFT BRIDGE



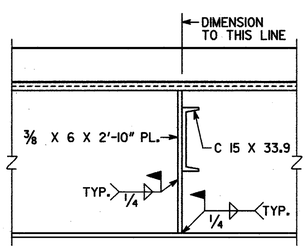
AT EXPANSION JOINT

BARS ARE DETAILED IN BAR DETAILS AS EQUIVALENT FULL LENGTH BARS.

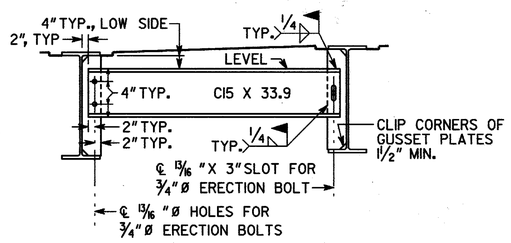
BAR BENDING DETAILS AT SKEWED JOINTS

NOTES:

1. ALL GUSSET PLATES AND CHANNELS SHALL BE ASTM A709 GR. 36.

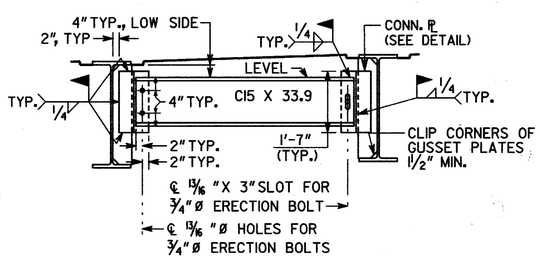


SECTION THRU DIAPHRAGM



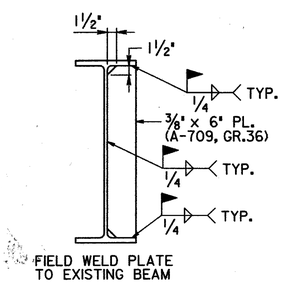
DETAIL B

NOTE: WELD DIAPHRAGMS AFTER DECK IS POURED.



DETAIL D

NOTE: WELD DIAPHRAGMS AFTER DECK IS POURED.



GUSSET DETAILS

BRIDGE NO. 5 LT. & RT.

J.B. TRIMBLE, INC.
6445 Powers Ferry Rd.
Atlanta GA 30339
(770) 952-1022

GEORGIA
DEPARTMENT OF TRANSPORTATION
OPERATIONS DIVISION-OFFICE OF MAINTENANCE

DISTRICT 6 BRIDGE REPAIR
I-75 OVER SR 3 (US 41)
FRAMING & DEFLECTION - LT. BRIDGE
GORDON CO. NHS-M002-00(789)

SCALE: AS SHOWN APRIL 2005

REVISIONS	DATE	BY

BRIDGE SHEET 7 OF 8

DESIGNED PJC | CHECKED GLE | REVIEWED WMD
DRAWN ITD | DESIGN GROUP MAINTENANCE | APPROVED BKS

6/15/2005

m:\tra\31-4085 bridge maint, deck rehab\nhs-m002-00(789) bartow-gordon co\dgn\bridge\31-4085(789)bartow(br5)\789b5fmlt.dgn