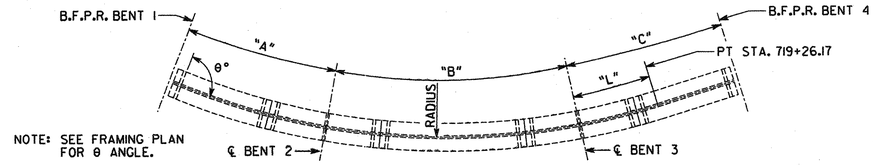
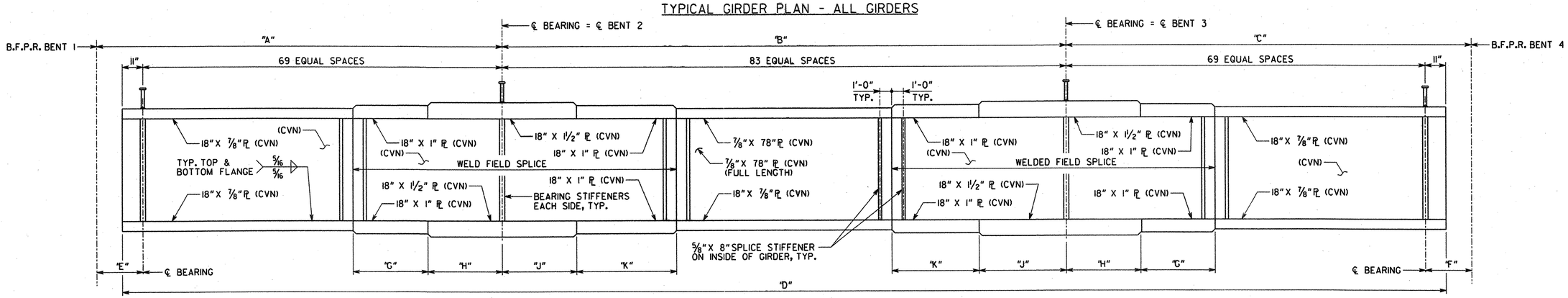
VOID

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP00-0000-00(566)	731	1037

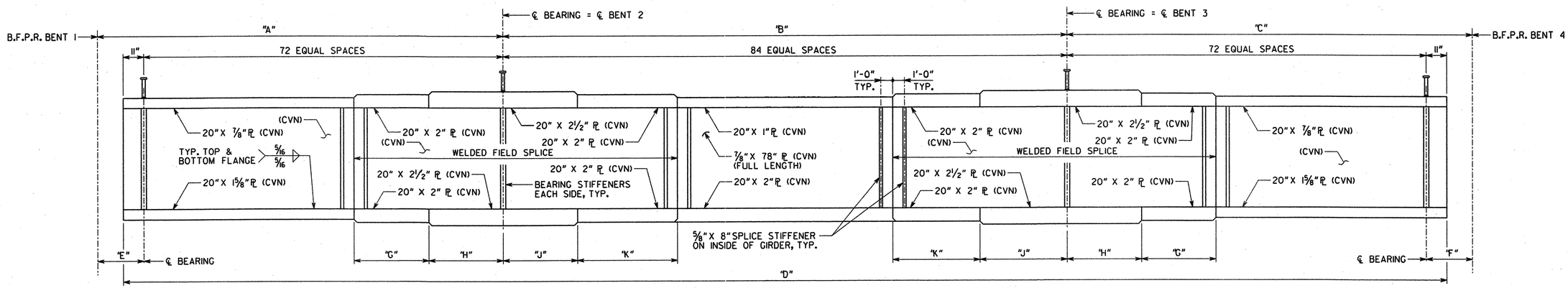


NOTE: SEE FRAMING PLAN FOR θ ANGLE.

TYPICAL GIRDER PLAN - ALL GIRDERS



TYPICAL GIRDER 1 & 2 ELEVATION

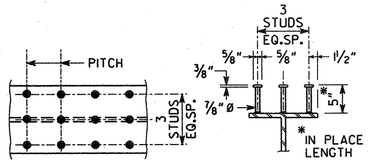


NOTE:
SHIFT STUDS AS NECESSARY TO PROVIDE 12" MIN. CL. FROM SPLICE LOCATION

TYPICAL GIRDER 3 & 4 ELEVATION

GIRDER NOTES

1. ALL GIRDERS (FLANGES AND WEBS) SHALL BE ASTM A-709 GRADE 50.
2. ALL BEARING STIFFENERS, CROSS FRAMES AND GUSSETS SHALL BE ASTM A-709 GRADE 50.
3. (CVN) INDICATES ALL GIRDER FLANGES AND WEBS THAT ARE PRIMARY LOAD CARRYING MEMBERS SUBJECT TO TENSILE STRESS AND SHALL MEET THE CHARPY V-NOTCH TEST REQUIREMENTS AS SPECIFIED BY SECTION 851 OF THE GEORGIA STANDARD SPECIFICATIONS. ALL CROSS FRAMES ARE ALSO PRIMARY LOAD CARRYING MEMBERS SUBJECT TO TENSILE STRESS AND SHALL MEET THESE REQUIREMENTS.
4. GIRDERS SHALL BE FABRICATED TO FIT HORIZONTAL CURVE AS SHOWN ON FRAMING PLAN.
5. ALL LONGITUDINAL DIMENSIONS ALONG GIRDER ARE MEASURED HORIZONTALLY ALONG CURVE AT ℄ OF GIRDER AND MUST BE ADJUSTED FOR CAMBER AND GRADE.
6. ALL GIRDER SECTIONS SHALL BE BRACED TO PREVENT BUCKLING DURING HANDLING, SHIPPING, AND ERECTION.
7. GUSSET PLATES SHALL BE PLACED RADIALLY ON INSIDE FACE OF GIRDERS AND SPACED AS SHOWN ON FRAMING PLAN. WELD GUSSETS TO GIRDER FLANGES AFTER CURVING.
8. CROSS FRAME GUSSETS NOT SHOWN. SEE FRAMING PLAN SHEET FOR CROSS FRAME SPACINGS.
9. ALL BEARING STIFFENERS AND WEB ENDS SHALL BE VERTICAL WITH GIRDERS IN PLACE, AFTER ALL DEAD LOAD DEFLECTIONS HAVE OCCURRED.



PLAN OF BEAM SECTION OF BEAM

STUD SHEAR CONNECTOR SHALL BE FULLY BUTT WELDED TO TOP FLANGE OF BEAM.

STUD SHEAR CONNECTOR DETAIL

TABLE OF LETTERED DIMENSIONS

GIRDER	RADIUS	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"J"	"K"	"L"
1	322.15'	113'-1 7/8"	182'-0 3/8"	113'-6 3/16"	406'-0 7/16"	2'-3"	2'-3"	41'-7 1/4"	6'-11 3/16"	7'-7"	30'-4 1/16"	91'-2 5/16"
2	330.15'	115'-11 9/16"	186'-6 5/8"	115'-9 9/16"	415'-7 9/16"	2'-3"	2'-3"	42'-7 5/8"	7'-1 1/4"	7'-9 1/4"	31'-1 1/8"	93'-5 3/8"
3	338.15'	118'-9 5/16"	191'-0 7/8"	118'-0 1/2"	425'-2 11/16"	2'-3"	2'-3"	43'-8 1/16"	7'-3 5/16"	7'-11 9/16"	31'-10 1/8"	95'-8 9/16"
4	346.16'	121'-7"	195'-7 1/8"	120'-3 11/16"	434'-9 7/8"	2'-3"	2'-3"	44'-8 7/16"	7'-5 3/8"	8'-11 3/16"	32'-7 3/16"	97'-11 1/4"

BRIDGE NO. 5

Kimley-Horn and Associates, Inc.

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SUITE 220, 2 SUN COURT
NORCROSS, GEORGIA 30092-2865

GEORGIA
DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

PLATE GIRDER DETAILS

RAMP B OVER NORFOLK SOUTHERN RAILWAY

BIBB COUNTY STP00-0000-00(566)

NO SCALE FEBRUARY 2012

DRAWING NO. 35 - 75

BRIDGE SHEET B5 - 7 OF 18

REVISIONS | DATE | BY

DESIGNED JSS | CHECKED DLS | REVIEWED WMD/WEI
DRAWN CAL | DESIGN GROUP SWW | APPROVED BFR