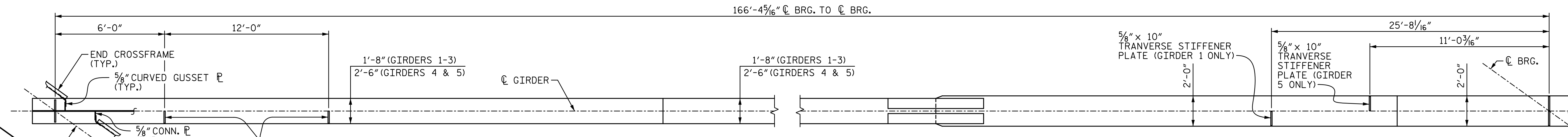


SPAN A GIRDERS ELEVATION

(CONNECTOR PLATES AND COMBINATION CONNECTOR/STIFFENER PLATES NOT SHOWN FOR CLARITY. FOR PLACEMENT, SEE "FRAMING PLAN")



SPAN A GIRDERS BOTTOM FLANGE DETAIL

(CONNECTOR PLATES AND COMBINATION CONNECTOR/STIFFENER PLATES NOT SHOWN FOR CLARITY. FOR PLACEMENT, SEE "FRAMING PLAN")

NOTES:

1. CHARPY V-NOTCH TESTS ARE REQUIRED FOR ALL TOP OR BOTTOM FLANGE PLATES WHICH FALL WITHIN THESE LIMITS, ALL WEB PLATES AND ALL SPLICE PLATES. IF A PERMITTED SHOP FLANGE SPLICE IS NOT USED, CHARPY V-NOTCH TESTS WILL BE REQUIRED FOR THE ENTIRE FLANGE PLATE. FOR CHARPY V-NOTCH TESTS, SEE ARTICLE 1072-7 OF THE STANDARD SPECIFICATIONS.
2. NO WELDING OF FORMS OR FALSEWORK TO THE TOP FLANGE WILL BE PERMITTED IN THIS REGION.
3. SEE "SUPERSTRUCTURE STRUCTURAL STEEL BOLTED FILED SPLICE" SHEETS FOR LOCATIONS & DETAILS OF SHEAR CONNECTORS ON TOP FLANGE SPLICE PLATES.

PROJECT NO. R-2707C

CLEVELAND COUNTY

STATION: 596+50.98 -L-

SHEET 1 OF 11

30" FLANGE	4 1/2"	3 SPA. @ 7"	4 1/2"
24" FLANGE	3"	3 SPA. @ 6"	3"
20" FLANGE	2 1/2"	3 SPA. @ 5"	2 1/2"
18" FLANGE	3"	3 SPA. @ 4"	3"

GIRDER DIMENSIONS						
GDR.	"A"	* SHEAR CONNECTORS	TENSION ZONE			
		NO. OF SHEAR CONN.	"AA"	"BB"	"CC"	"DD"
1	636'-7 1/2"	600	121'-3 5/16"	46'-4"	139'-5"	28'-2 5/16"
2	614'-5 1/4"	600	125'-3 3/16"	42'-4"	138'-11"	28'-8 3/16"
3	592'-2 1/2"	600	126'-7 5/16"	41'-0"	139'-3"	28'-4 5/16"
4	569'-11 3/4"	600	136'-5 5/16"	31'-2"	147'-6"	20'-1 5/16"
5	547'-9 1/8"	600	136'-10 5/16"	30'-9"	148'-0"	19'-7 5/16"

*SHEAR CONNECTORS ON TOP FLANGE PLATE OF BOLTED FIELD SPLICE NOT INCLUDED IN QUANTITY.

FLANGE CLIP DETAIL

NOTE: CLIP TOP & BOTTOM FLANGE OF GIRDER 4 & GIRDER 5 AS SHOWN @ END BENT 1

SHEAR CONNECTOR DETAIL

(TYPICAL EXCEPT @ TOP FLANGE SPLICE PLATE, SEE SHEETS "SUPERSTRUCTURE STRUCTURAL STEEL BOLTED FIELD SPLICE")

DRAWN BY: VMW DATE: 10-16
 CHECKED BY: TRL DATE: 10-16

DESIGN ENGINEER OF RECORD: V. WU DATE: 10-16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by:
Tony R. Laws, Jr.
CA0CE9F8B764F7-12/13/2016

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUPERSTRUCTURE

STRUCTURAL STEEL GIRDER ELEVATION

SPAN A

(SITE 6L)

REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	DATE:
1			3	
2			4	

TOTAL SHEETS	56
SHEET NO.	S7-14

12/13/2016 6:59:33 PM R:\407_027_R2707C_SMU_SSD01_S7-14.dgn