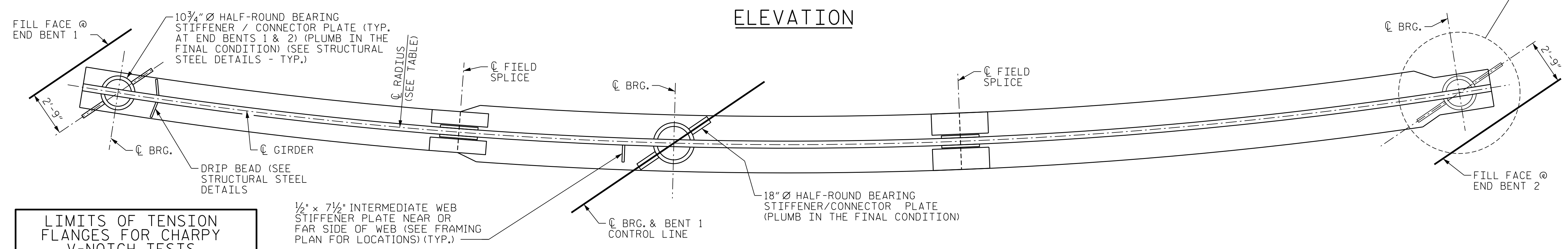


- NOTES**
1. CHARPY V-NOTCH TESTS ARE REQUIRED FOR ALL TOP OR BOTTOM FLANGE PLATES WHICH FALL WITHIN THESE LIMITS, ALL WEB PLATES AND ALL SPLICE PLATES. IF A PERMITTED SHOP FLANGE SPLICE IS NOT USED, CHARPY V-NOTCH TESTS WILL BE REQUIRED FOR THE ENTIRE FLANGE PLATE. FOR CHARPY V-NOTCH TESTS, SEE ARTICLE 1072-7 OF THE STANDARD SPECIFICATIONS.
  2. NO WELDING OF FORMS OR FALSEWORK TO THE TOP FLANGE WILL BE PERMITTED IN THIS REGION.
  3. DIMENSIONS ARE HORIZONTAL ARC DIMENSIONS ALONG THE C OF GIRDER. NO CORRECTIONS HAVE BEEN MADE TO ADJUST FOR THE DISTANCE ALONG THE GRADE.
  4. FOR SHEAR CONNECTOR TRANSVERSE SPACING, SEE "STRUCTURAL STEEL DETAILS" SHEET 4 OF 4.
  5. FOR CHARPY V-NOTCH TEST, SEE SPECIAL PROVISIONS.
  6. FOR DETAIL "A", SEE "STRUCTURAL STEEL DETAILS" SHEET 4 OF 4.



**LIMITS OF TENSION FLANGES FOR CHARPY V-NOTCH TESTS**

GIRDER	T1	T2	T3	T4
1	101'-5"	56'-0"	46'-1"	34'-0"
2	94'-3"	51'-5"	42'-9"	29'-4"
3	92'-2"	61'-11"	41'-5"	29'-1"
4	85'-2"	62'-8"	40'-1"	41'-8"

**GIRDER DIMENSIONS**

GIRDER	C RADIUS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	3293'-3"	147'-4 3/4"	201'-3 3/8"	90'-4 3/4"	57'-0"	74'-0"	127'-3 3/8"	46'-0"	44'-4 3/4"	36'-0"	21'-0"	16'-0"	58'-0"	77'-3 3/8"	50'-0"	131'-0"
2	3302'-5"	142'-8 1/2"	203'-9 1/16"	85'-8 1/2"	57'-0"	77'-0"	126'-9 1/16"	46'-0"	39'-8 1/2"	36'-0"	21'-0"	16'-0"	61'-0"	76'-9 1/16"	50'-0"	134'-0"
3	3311'-7"	138'-1 9/16"	206'-3 3/8"	81'-1 9/16"	57'-0"	76'-0"	130'-3 3/8"	46'-0"	35'-1 9/16"	36'-0"	21'-0"	16'-0"	60'-0"	80'-3 3/8"	50'-0"	133'-0"
4	3320'-9"	133'-7 7/8"	208'-8 9/16"	76'-7 7/8"	57'-0"	76'-0"	132'-8 9/16"	46'-0"	30'-7 7/8"	36'-0"	21'-0"	16'-0"	60'-0"	82'-8 9/16"	50'-0"	133'-0"

**STUD SPACING DIMENSIONS**

GIRDER	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15
1	22 SPA. @ 8"	1'-1"	67 SPA. @ 1'-1"	2'-0 3/4"	2'-0"	40 SPA. @ 1'-3"	0'-11"	47 SPA. @ 0'-11"	0'-11"	25 SPA. @ 1'-3"	2'-10"	2'-8 3/8"	84 SPA. @ 1'-3"	1'-3"	22 SPA. @ 0'-10"
2	23 SPA. @ 8"	1'-1"	62 SPA. @ 1'-1"	2'-1 1/2"	1'-11"	37 SPA. @ 1'-3"	1'-1"	23 SPA. @ 1'-1"	1'-1"	44 SPA. @ 1'-3"	2'-8"	3'-1 1/16"	83 SPA. @ 1'-3"	1'-3"	28 SPA. @ 0'-8"
3	18 SPA. @ 10"	1'-2"	54 SPA. @ 1'-2"	1'-11 9/16"	1'-11"	36 SPA. @ 1'-3"	1'-1"	38 SPA. @ 1'-1"	1'-1"	32 SPA. @ 1'-3"	2'-9"	2'-8 3/8"	96 SPA. @ 1'-1"	1'-1"	27 SPA. @ 0'-10"
4	22 SPA. @ 10"	1'-3"	44 SPA. @ 1'-3"	2'-0 7/8"	1'-11"	17 SPA. @ 1'-3"	1'-0"	34 SPA. @ 1'-0"	1'-0"	61 SPA. @ 1'-2"	2'-8"	2'-8 9/16"	87 SPA. @ 1'-2"	1'-2"	41 SPA. @ 0'-8"

PROJECT NO. B-3186/B-5898  
HAYWOOD COUNTY  
 STATION: 27+54.43 -Y1RT-

SHEET 1 OF 4

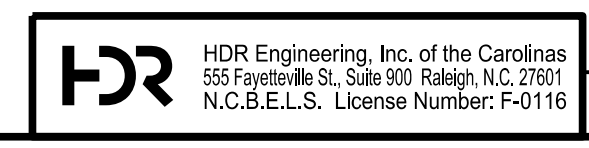
STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SUPERSTRUCTURE  
 STRUCTURAL STEEL  
 GIRDER DETAILS**



W. Brian Watson 1/24/2022

DES BY: B. WATSON DATE: 05/21  
 DES CHK: S. NIFONG DATE: 05/21  
 DWG BY: B. PETERSON DATE: 05/21  
 CHK BY: B. WATSON DATE: 05/21



DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

**REVISIONS**

NO.	BY:	DATE:	NO.	BY:	DATE:
1	--	--	3	--	--
2	--	--	4	--	--

SHEET NO. 502-14  
 TOTAL SHEETS 48

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