

 $103'-9^{1/8}''$

35 SPA.

PLAN OF GIRDER

@ 1'-6" CTS. CTS.

51'-10%6"

CTS.

9 SPA. @ 6" = 4'-6" —

— € GIRDER

4′-6″

_S6

5 SPA.@ 4" = 1'-8" —

 $6''_{1}$ 1'-10 $\frac{1}{2}''_{2}$

BEARING

EXP.

51′-10[%]/6″

S6¬

-5 SPA.@ 4" = 1'-8"

CTS.

1'-101/2"

<u>FIX</u>

10 SPA. 10 SPA. 1'-3/_{16"}

9 SPA. @ 6" = 4'-6"

NOTES

ALL PRESTRESSING STRANDS SHALL BE 7-WIRE LOW-RELAXATION GRADE 270 STRANDS AND SHALL CONFORM TO AASHTO M203 EXCEPT FOR SAMPLING REQUIREMENTS WHICH SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

APPLY EPOXY PROTECTIVE COATING TO END OF GIRDER SURFACES.

EMBEDDED PLATE "B-1" SHALL BE GALVANIZED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

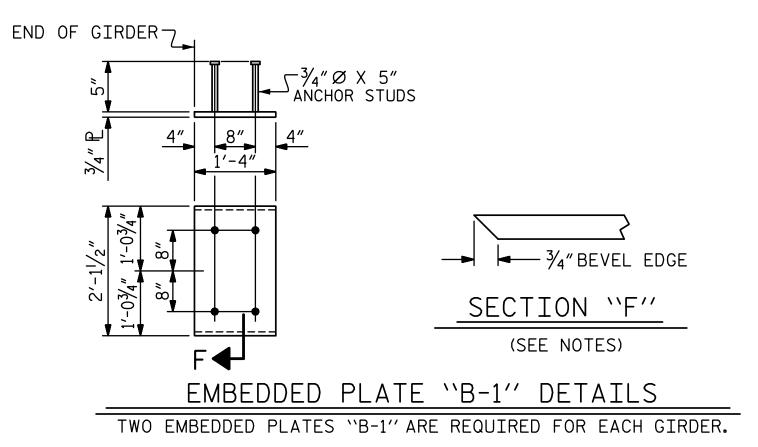
ANCHOR STUDS SHALL CONFORM TO AASHTO M169 GRADES 1010 THROUGH 1020 OR APPROVED EQUAL, AND SHALL MEET THE TYPE "B" REQUIREMENTS OF SUBSECTION 7.3 OF THE ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.

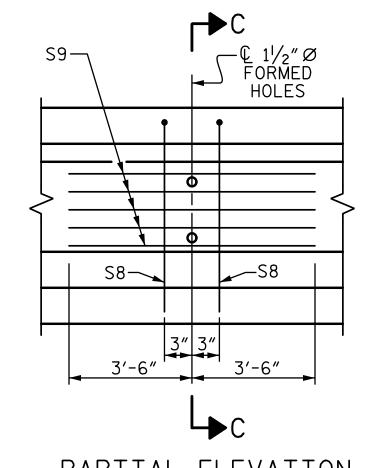
ALL PRESTRESSED STRANDS SHALL BE CUT FLUSH WITH THE GIRDER ENDS.

THE TRANSFER OF LOAD FROM THE ANCHORAGES TO THE GIRDER SHALL BE DONE WHEN CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF NOT LESS THAN 6.400

DEPENDING ON THE TYPE OF SYSTEM USED TO SUPPORT THE DECK SLAB FORMS, PRESET ANCHORS MAY BE NECESSARY IN THE PRESTRESSED CONCRETE GIRDER.

THE TOP SURFACE OF THE GIRDER SHALL BE RAKED TO A DEPTH OF $\frac{1}{4}$ "EXCEPT IN THE AREA BETWEEN THE STIRRUP AND THE EDGE OF THE GIRDER.





PARTIAL ELEVATION SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDERS 1-6



MP	Docusting Docust
AM BLVD. 0, 28217 289	DoduSigned by: SEAL VIV.W0449884 81E085945B2F403 VG INE
. C-2213	2/14/2022

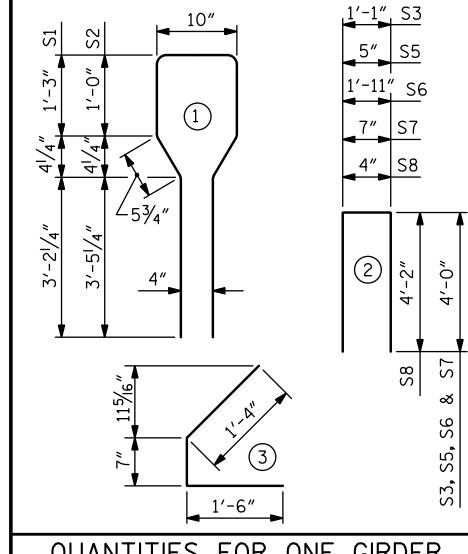
0.6" Ø L. R. GRADE 270 STRANDS APPLIED ULTIMATE AREA PRESTRESS STRENGTH (LBS. PER STRAND) (SQUARE INCHES) (LBS. PER STRAND) 0.217 43,950 58,600

REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	96	#4	1	10'-8"	684
S2	12	#6	1	10'-8"	192
S3	4	#4 2		9'-1"	24
S4	64	#4	3	3′-5″	146
S5	6	#4	2	8′-5″	34
S6	2	#4	2	9'-11"	13
S7	4	#4	2	8′-7″	23
S8	4	#5	2	8'-8"	36
S9	10	#4	STR	7′-0″	47

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT



QUANTI	IES FUR	UNE	<u>. હા</u>	RUER			
	REINFORCING STEEL	8,000 PSI CONCRETE		0.6″Ø L.R. STRANDS			
	LB.	C.Y.		No.			
GIRDERS 1-6	1,199	21.1		38			
GIRDERS REQUIRED							
NUMBER	LENGT	TO		TAL LENGTH			
6	103′-91/	B		622,56			

BR-0029 PROJECT NO._ MACON COUNTY 15+52.07 -L-STATION:_

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD

AASHTO TYPE IV PRESTRESSED CONCRETE GIRDER

SHEET NO. REVISIONS NO. BY: S-14 DATE: DATE: BY: TOTAL SHEETS



ELEVATION OF GIRDER

(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)