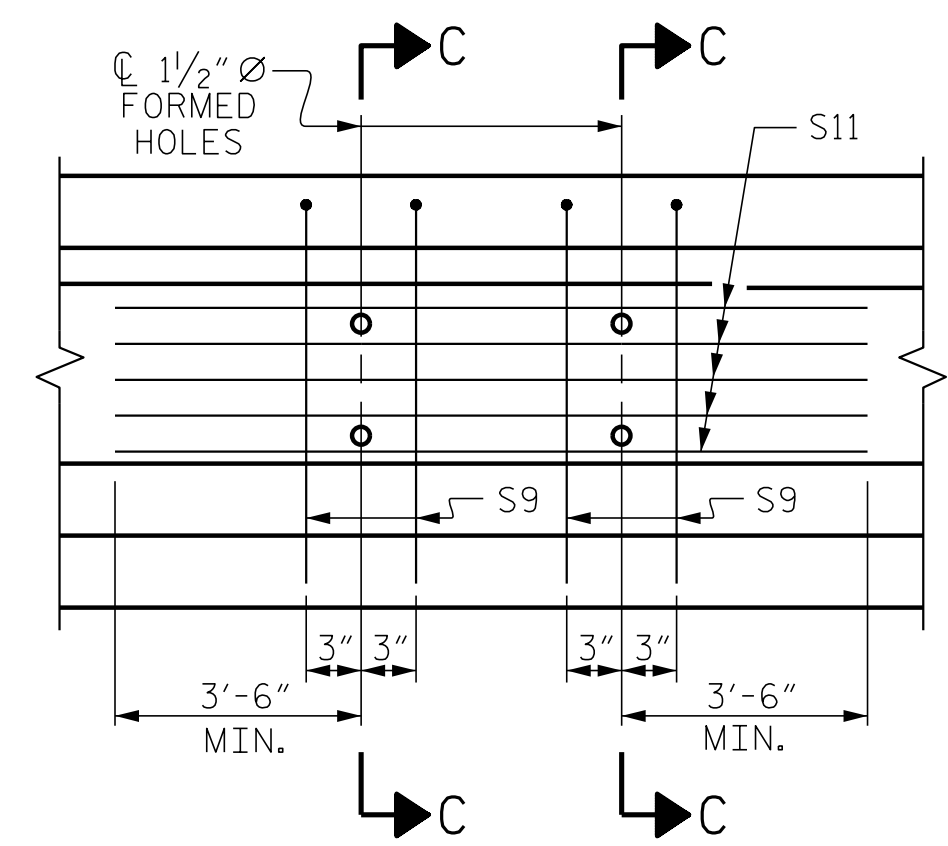
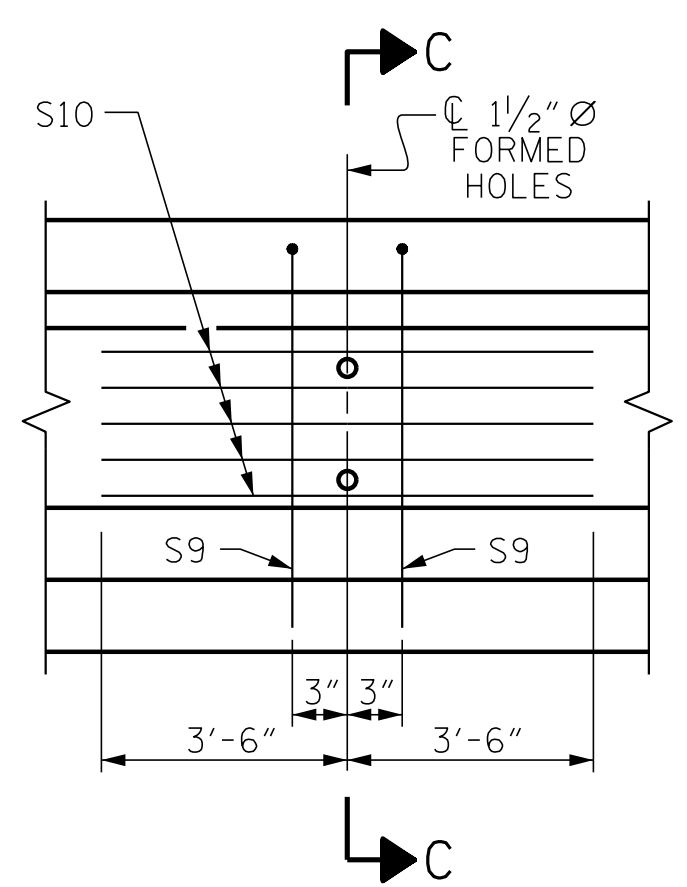


EMBEDDED PLATE "B-1" DETAILS
TWO EMBEDDED PLATES "B-1" ARE REQUIRED FOR EACH GIRDER.

- ▲ DEBONDING LENGTH = 4'-0"
- DEBONDING LENGTH = 8'-0"



PARTIAL ELEVATION
SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 2 & 3



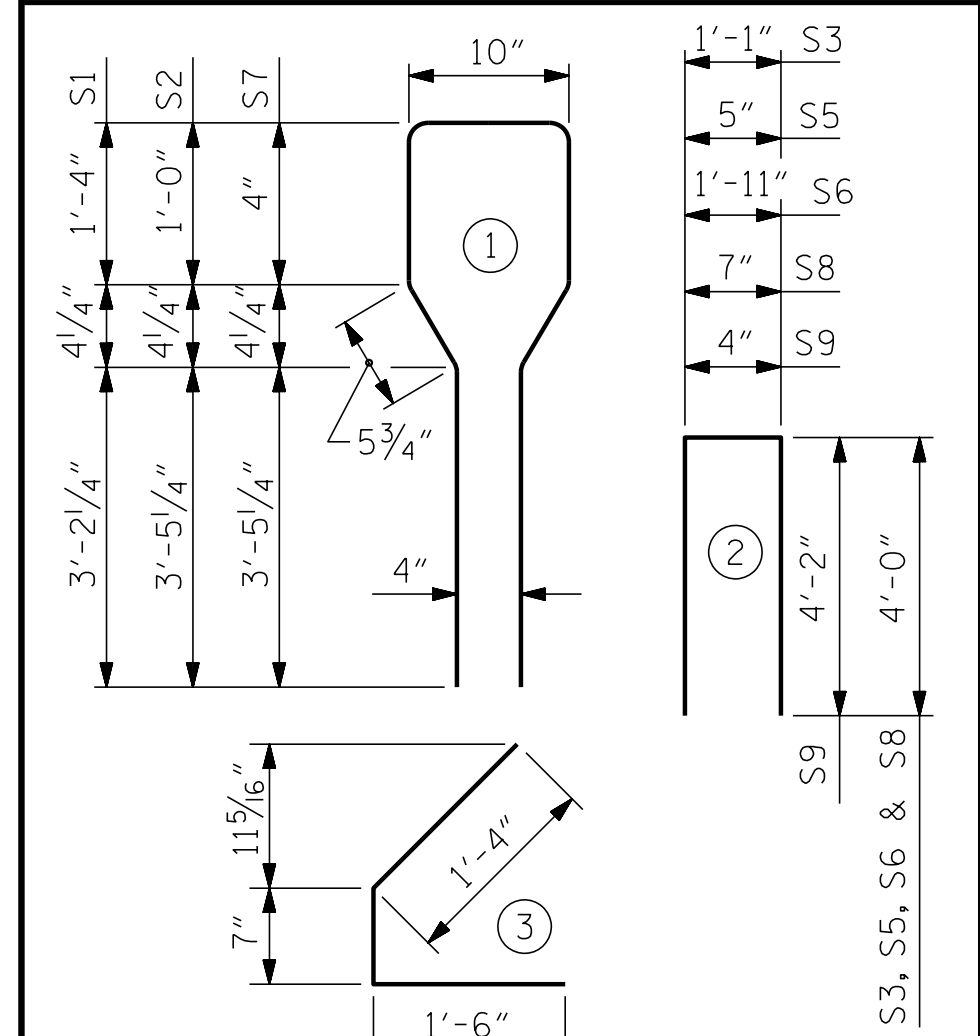
PARTIAL ELEVATION
SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 1 & 4

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

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	80	#4	1	10'-10"	579
S2	16	#6	1	10'-8"	256
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	15	#6	1	9'-4"	210
S8	4	#4	2	8'-7"	23
S9	2	#5	2	8'-8"	18
S9	4	#5	2	8'-8"	36
S10	5	#4	STR	7'-0"	23
S11	5	#4	STR	12'-0"	40

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT



QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL	8000 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
EXTERIOR GIRDER	1,326	18.9	32
INTERIOR GIRDER	1,361	18.9	32

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
8	93'-4 1/2"	747.00'

PROJECT NO. I-5987B
ROBESON COUNTY
STATION: 30+28.11 -Y6-
SHEET 1 OF 2



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
AASHTO TYPE IV
PRESTRESSED CONCRETE GIRDER
FOR LINK SLAB
SPANS A & B

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

TOTAL SHEETS: 28

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

1223 Jones Franklin Rd.
Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
LICENSE NO. F-0377

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 3/8/2022 3:28:01 PM

ASSEMBLED BY : D. HODGE	DATE : 12/21
CHECKED BY : J. DILWORTH/GMG	DATE : 12/21
DRAWN BY : BNB 09/21	REV.
CHECKED BY : AAI 09/21	REV.

(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)

DO NOT RAKE TOP OF GIRDER IN THIS AREA

