

SECTION A-A

SECTION B-B

SECTION C-C
(S1 BARS NOT SHOWN)

AT END OF GIRDER

AT C OF GIRDER

0.6" Ø LOW RELAXATION STRAND LAYOUT

● FULLY BONDED STRANDS

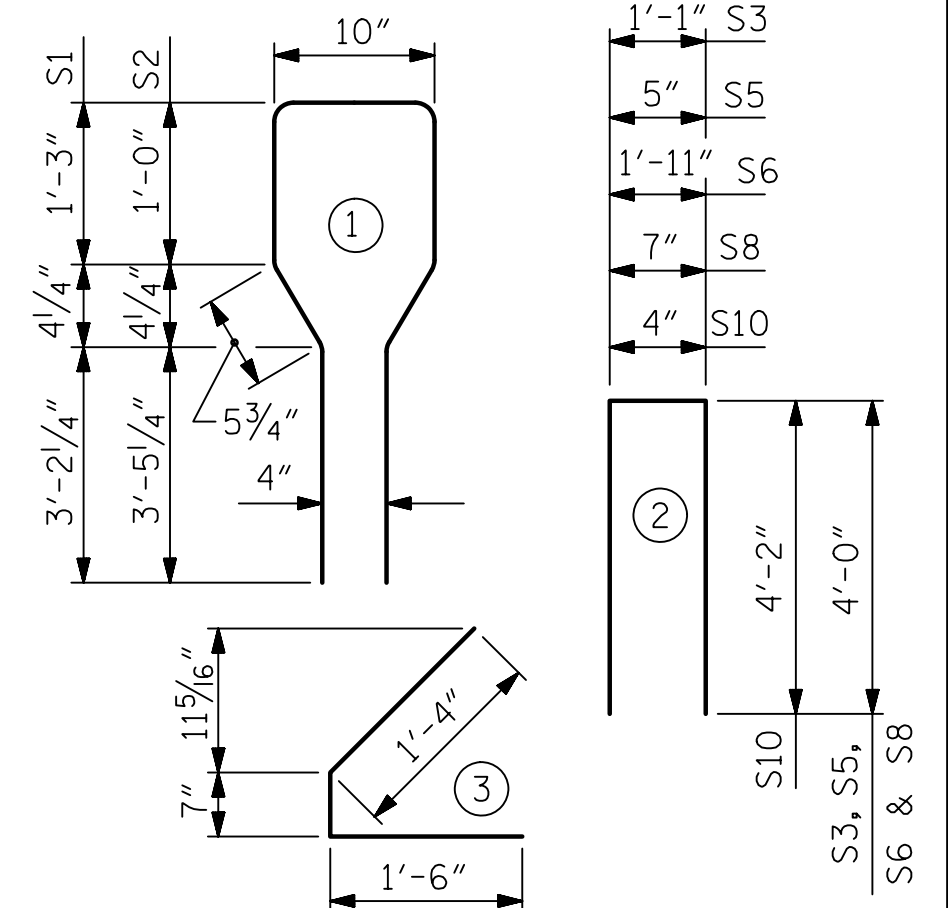
0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQ. INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	56	#4	1	10'-8"	399
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	1	#4	2	9'-11"	7
*S7	6	#5	STR	3'-8"	23
S8	4	#4	2	8'-7"	23
S9	1	#3	STR	1'-10"	1
S10	2	#5	2	8'-8"	18
S11	5	#4	STR	7'-0"	23

* NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES

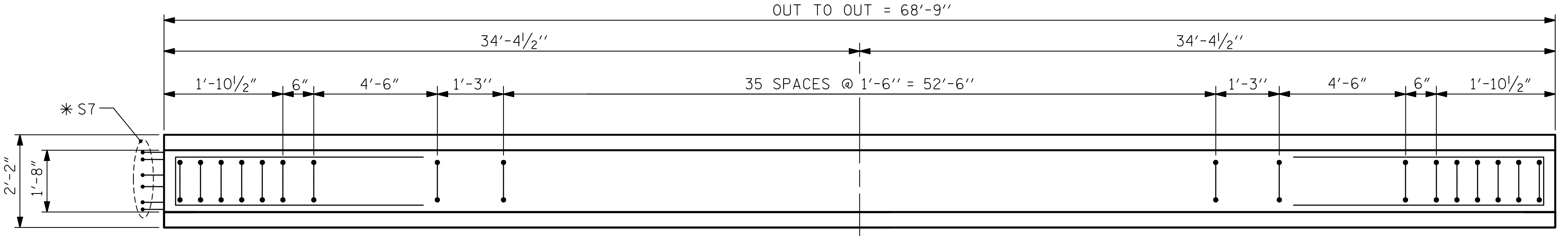
ALL BAR DIMENSIONS ARE OUT-TO-OUT



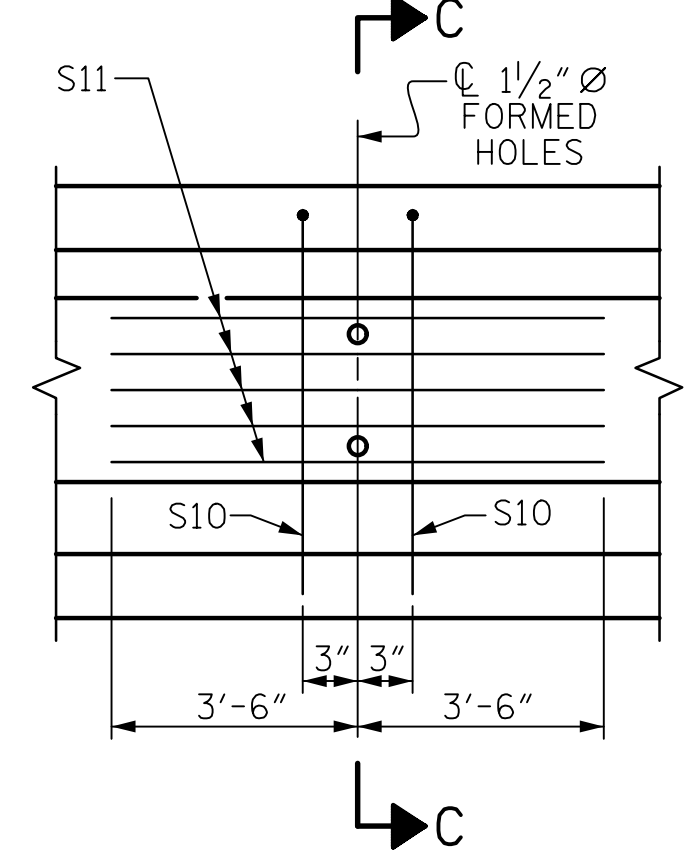
QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL LB.	6000 PSI CONCRETE C.Y.	0.6" Ø L. R. STRANDS No.
EXT. & INT. GDERS	890	14.0	18

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
4	68'-9"	275'-0"

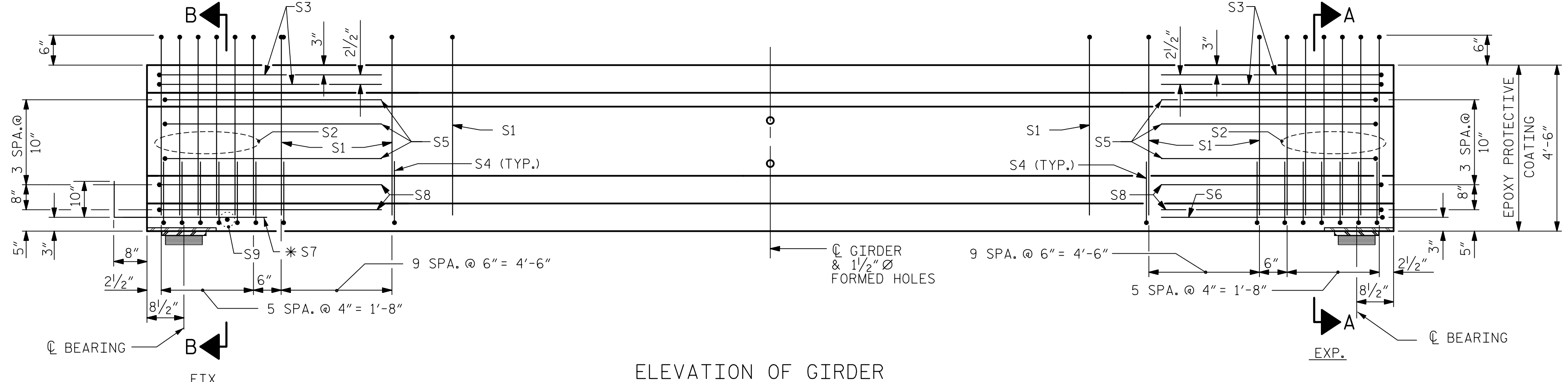


PLAN OF GIRDER



PARTIAL ELEVATION

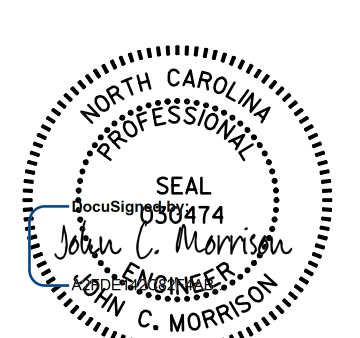
SHOWING INTERMEDIATE DIAPHRAGM
REINFORCING STEEL FOR GIRDER Nos. 1,2,3 & 4



ELEVATION OF GIRDER

(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)

PROJECT NO. U-2707
FORSYTH COUNTY
STATION: 90+25.00 -L-
SHEET 5 OF 7 BRIDGE NO. 656



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
AASHTO TYPE IV
PRESTRESSED CONCRETE GIRDER
CONTINUOUS FOR LIVE LOAD
SPAN F

REVISIONS

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

SHEET NO. S-18
TOTAL SHEETS 86

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

1/12/2016

DATE: 1/12/2016 TIME: 9:54:49 AM
USER: N:\a\comp\p\B56\Card\40_035_U2707_S11_S18_P0005.dgn

ASSEMBLED BY: KHC	DATE: 10/2015
CHECKED BY: JCM	DATE: 10/2015
DRAWN BY: ELR 8/91	REV. 5/1/06R TLA/GM
CHECKED BY: GRP 8/91	REV. 10/1/11 MAA/GM
	REV. 1/15 MAA/TMG