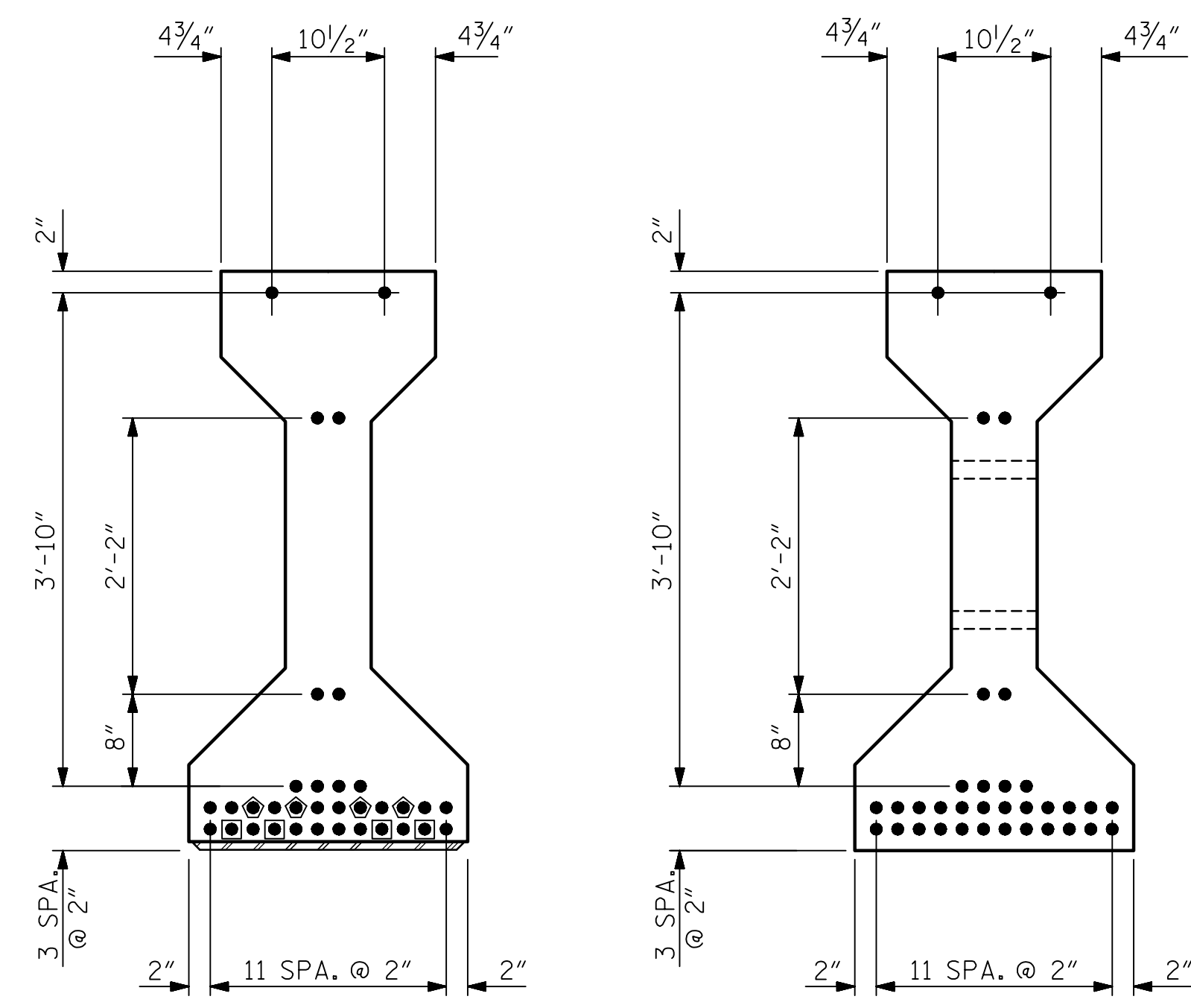


SECTION B-B

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
- STRANDS DEBONDED FOR 10'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 8'-0" FROM END OF GIRDER

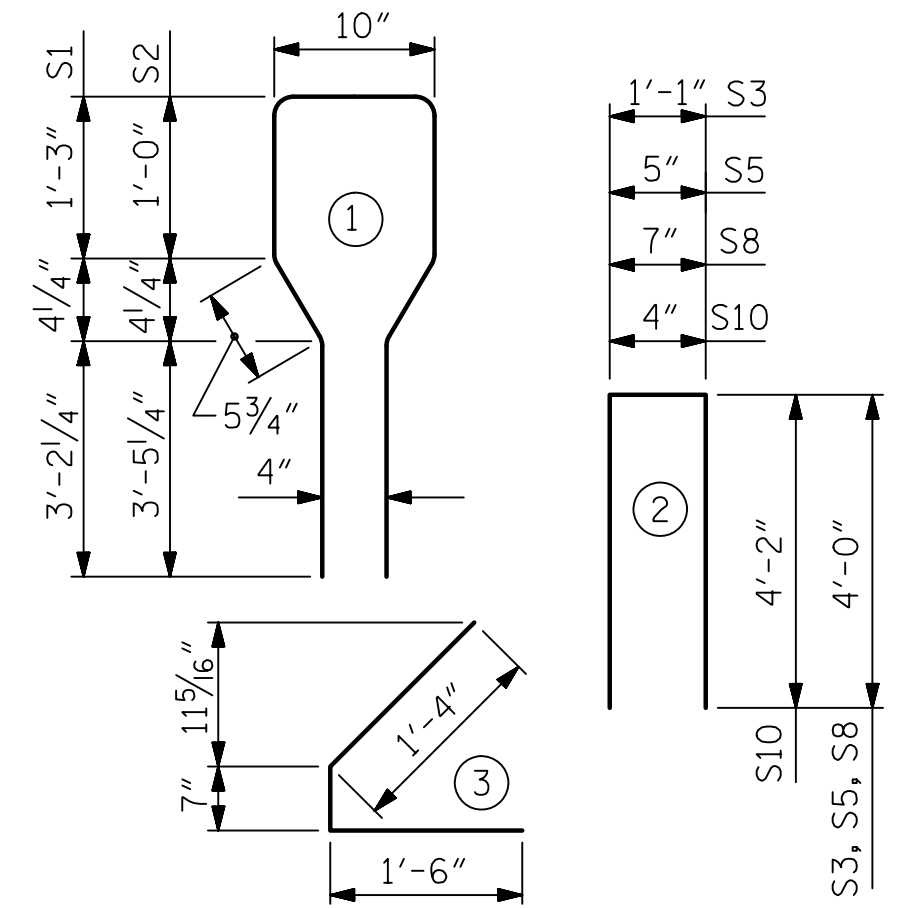
0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	70	#4	1	10'-8"	499
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
*S7	12	#5	STR	3'-8"	46
S8	4	#4	2	8'-7"	23
S9	2	#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

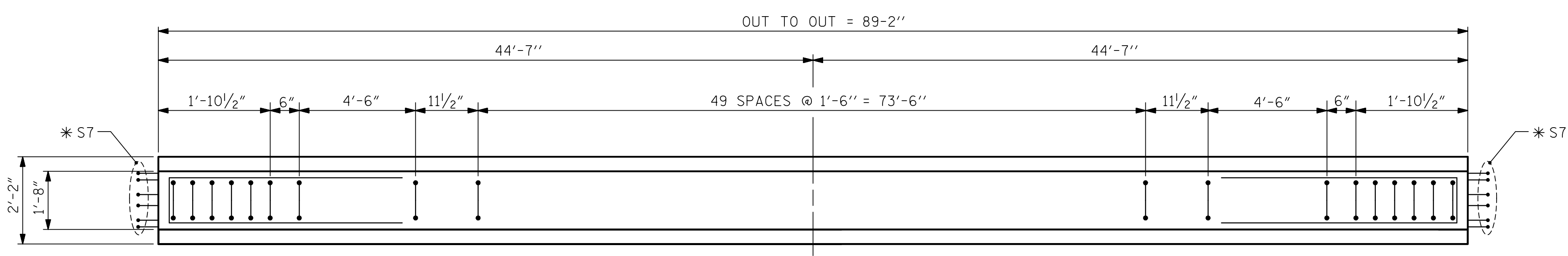


QUANTITIES FOR ONE GIRDER

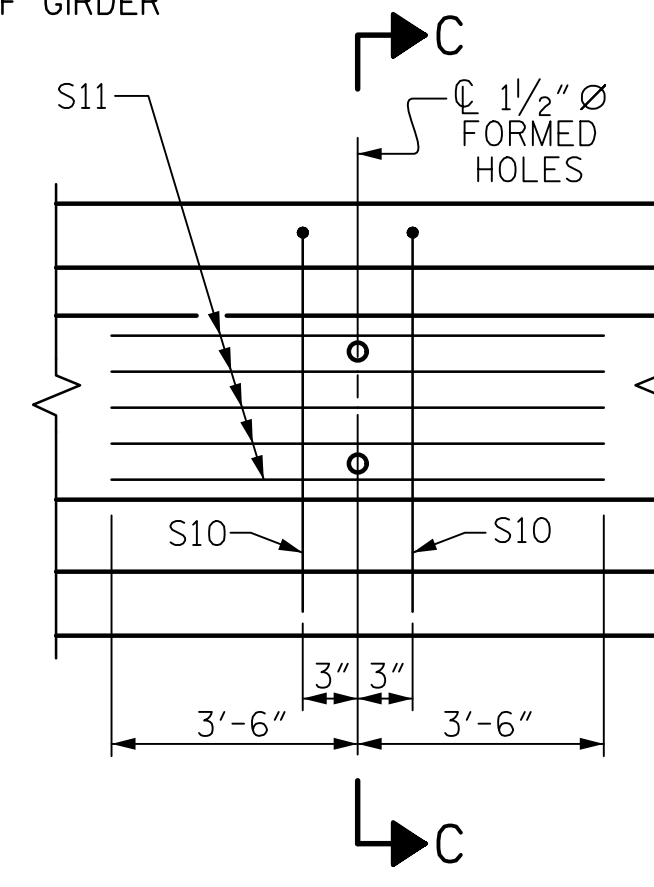
EXT. & INT. GDRS	REINFORCING STEEL	7000 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
EXT. & INT. GDRS	1006	18.1	34

GIRDERS REQUIRED

	NUMBER	LENGTH	TOTAL LENGTH
SPAN C	4	89'-2"	356'-8"
SPAN D	4	89'-2"	356'-8"

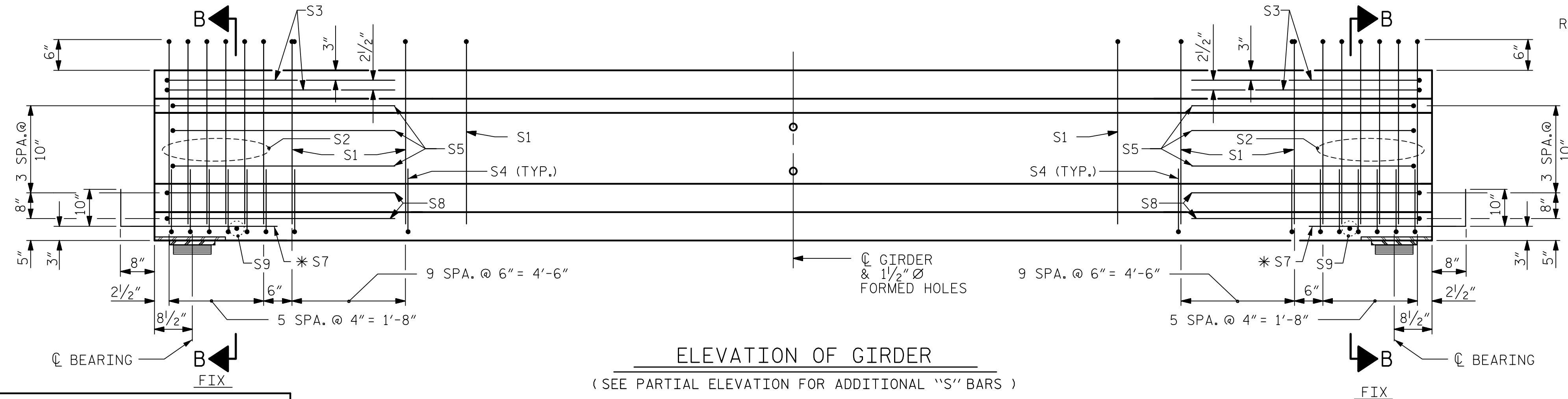


PLAN OF GIRDER



PARTIAL ELEVATION

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

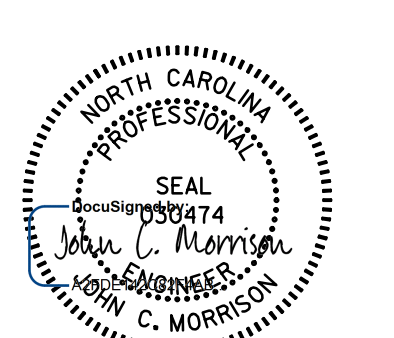


ELEVATION OF GIRDER

(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)

PROJECT NO. U-2707
FORSYTH COUNTY

STATION: 90+25.00 -L-
SHEET 3 OF 7 BRIDGE NO. 656



STATE OF NORTH CAROLINA		DEPARTMENT OF TRANSPORTATION	
RALEIGH			
STANDARD			
AASHTO TYPE IV			
PRESTRESSED CONCRETE GIRDER			
CONTINUOUS FOR LIVE LOAD			
SPANS C & D			

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

SHEET NO.
S-16
TOTAL SHEETS
86

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

1/12/2016

DATE: 1/12/2016 TIME: 9:54:43 AM

USER: R:\Workspaces\Bridges\656\Card\40_03_L12707_SMU_516_P0003.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