

SECTION A-A

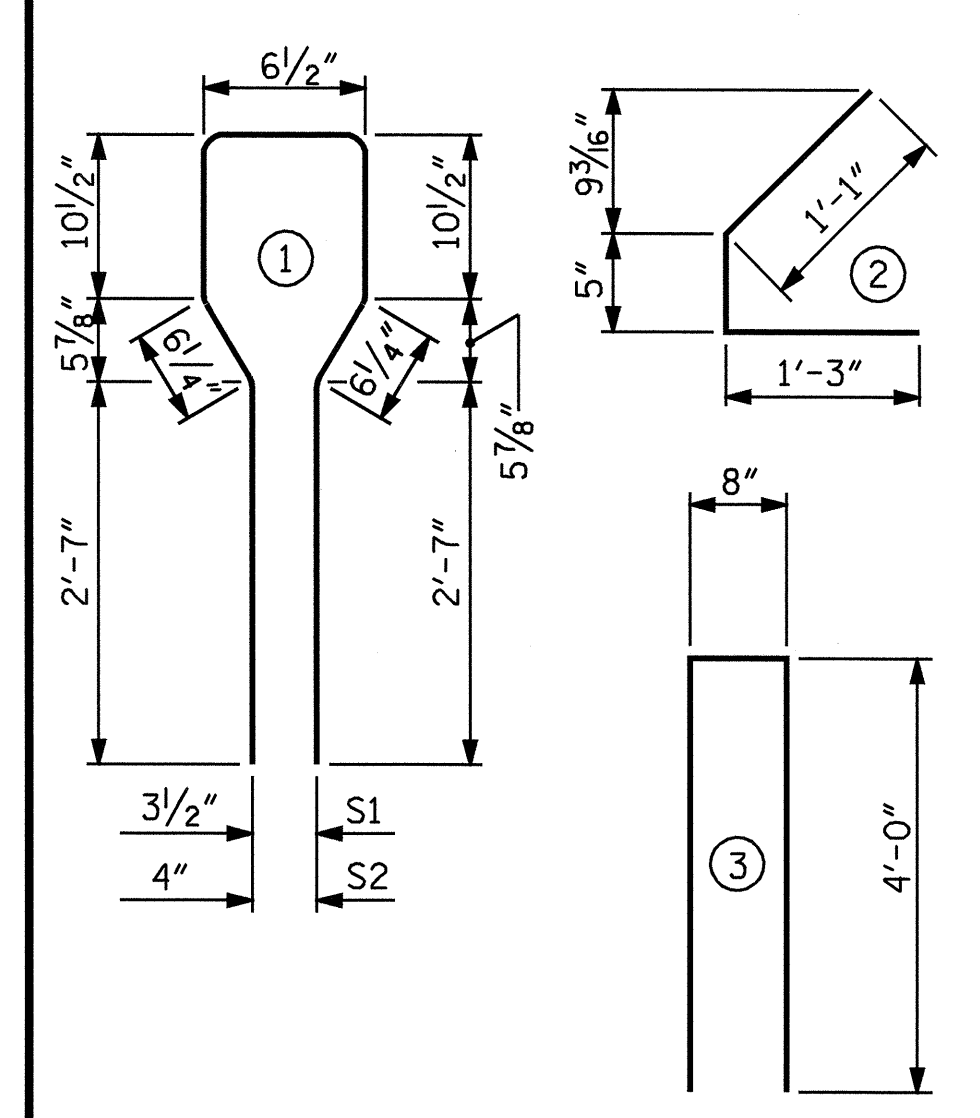
1/2" Ø LOW RELAXATION STRAND LAYOUT

1/2" Ø L.R GRADE 270 STRANDS		
AREA (SQ. INCHES)	ULTIMATE STRENGTH (LBS./STRAND)	APPLIED PRESTRESS (LBS./STRAND)
0.153	41,300	30,980

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	50	#4	1	8'-6"	284
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	64	#4	2	2'-9"	118
▲S6	8	#5	STR	3'-8"	31

▲ NOTE: S6 BARS SHALL BE BENT AFTER GIRDER FABRICATION AND BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES  
ALL BAR DIMENSIONS ARE OUT-TO-OUT



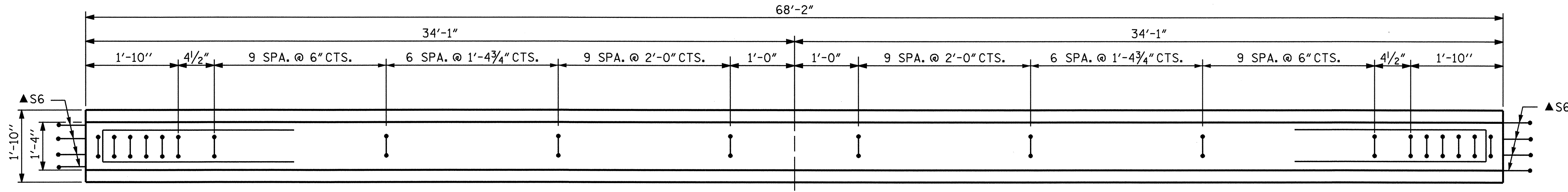
QUANTITIES FOR ONE GIRDER		
REINFORCING STEEL	5000 PSI CONCRETE	1/2" Ø L.R. STRANDS
LB.	C.Y.	No.
609	9.8	24

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
5	68'-2"	340.83

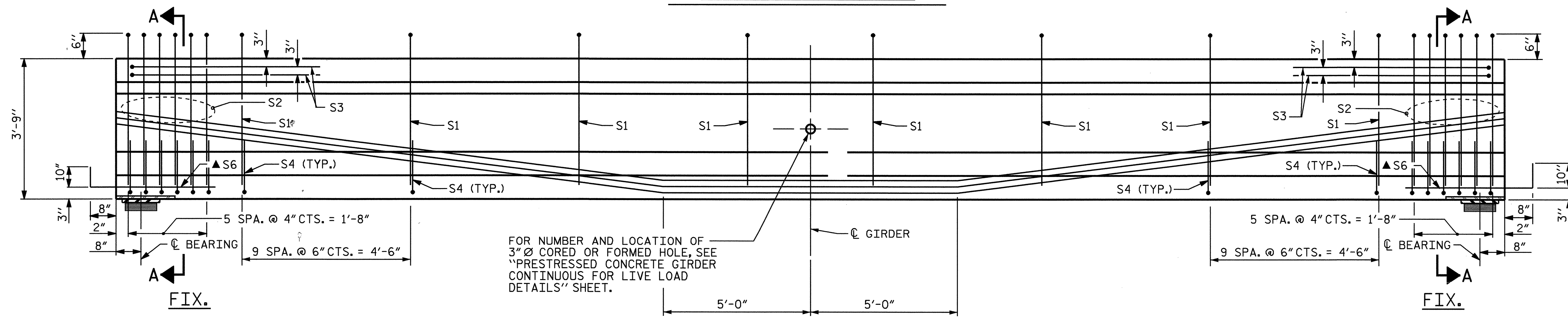
PROJECT NO. B-3690  
RANDOLPH COUNTY  
STATION: 17+41.00 -L-

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
AASHTO TYPE III  
PRESTRESSED CONCRETE GIRDER  
CONTINUOUS FOR LIVE LOAD  
SPAN "C"

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS	
1			3			37	S-14
2			4				



PLAN OF GIRDER



ELEVATION OF GIRDER

ASSEMBLED BY : M. ALLEN	DATE : 7/03	CADD STANDARD
CHECKED BY : P.C. BREWER	DATE : 8/03	
DRAWN BY : RB	2/97	REV. 8/16/99 ARB/LES
CHECKED BY : VP	2/97	

