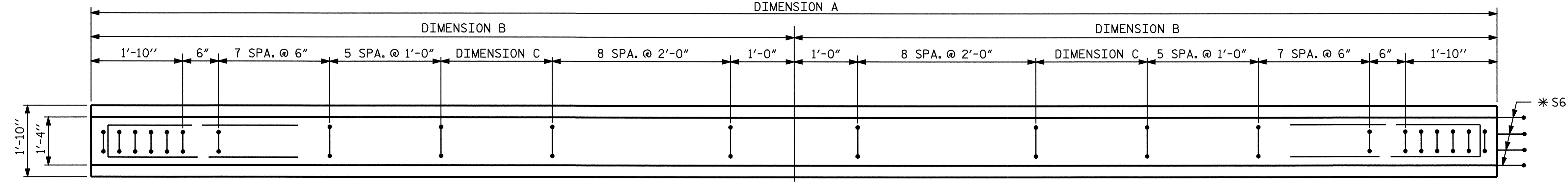
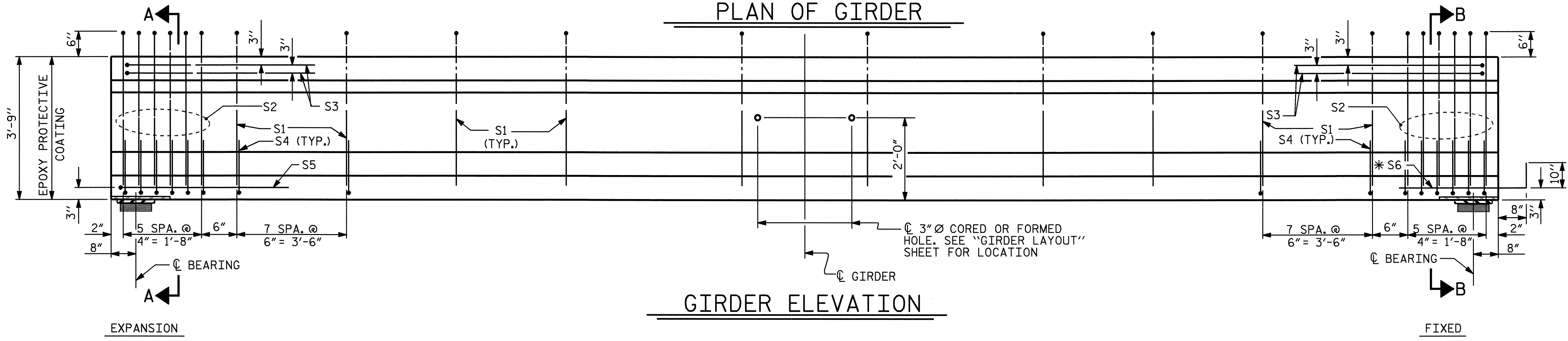


1/2" Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



GIRDER ELEVATION

GIRDER DIMENSIONS			
GIRDER	DIMENSION A	DIMENSION B	DIMENSION C
A1	57'-11 7/8"	28'-11 15/16"	1'-1 15/16"
A2	57'-11 7/8"	28'-11 15/16"	1'-1 15/16"
A3	57'-11 3/4"	28'-11 7/8"	1'-1 7/8"
A4	57'-11 7/8"	28'-11 13/16"	1'-1 13/16"
A5	57'-11 5/8"	28'-11 13/16"	1'-1 13/16"
A6	57'-11 1/2"	28'-11 3/4"	1'-1 3/4"

GIRDERS REQUIRED	
GIRDER	LENGTH
A1	57'-11 7/8"
A2	57'-11 7/8"
A3	57'-11 3/4"
A4	57'-11 7/8"
A5	57'-11 7/8"
A6	57'-11 1/2"
TOTAL LENGTH	347.85

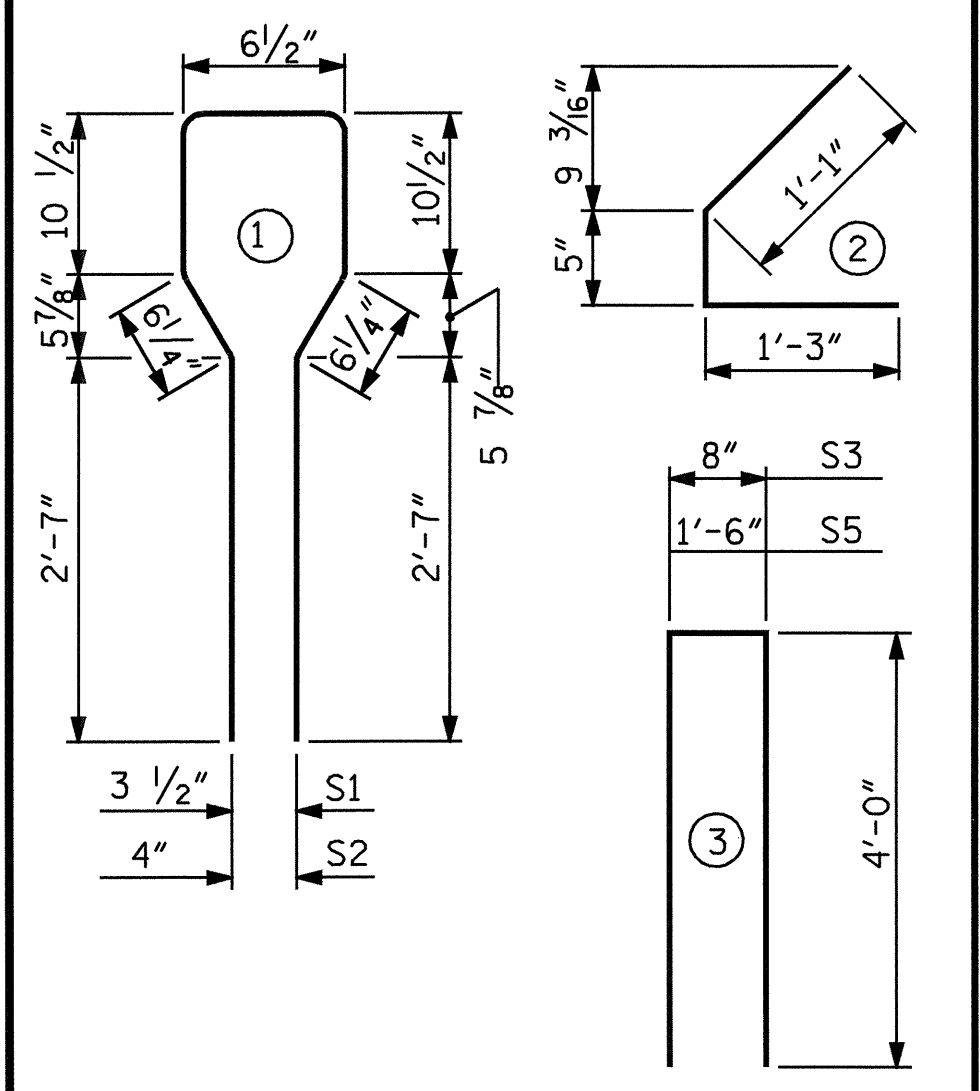
1/2" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.153	41,300	30,980

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	44	#4	1	8'-6"	250
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	56	#4	2	2'-9"	103
S5	1	#4	3	9'-6"	6
*S6	4	#5	STR	3'-8"	15

* NOTE: S6 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

GIRDER	REINFORCING STEEL	5000 PSI CONCRETE	1/2" Ø L.R. STRANDS
	LB.	C.Y.	No.
A1-A6	550	8.4	20

PROJECT NO. B-3694
 ROCKINGHAM COUNTY
 STATION: 17+27.50 -L-

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



ASSEMBLED BY: A.R.CHESSON	DATE: 5-04	CADD STANDARD
CHECKED BY: B.N. GRADY	DATE: 8-04	
DRAWN BY: RB 2/97	REV. 8/16/99	ARB/LJS
CHECKED BY: VP 2/97		

REVISIONS						SHEET NO. S-11
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 36
2			4			