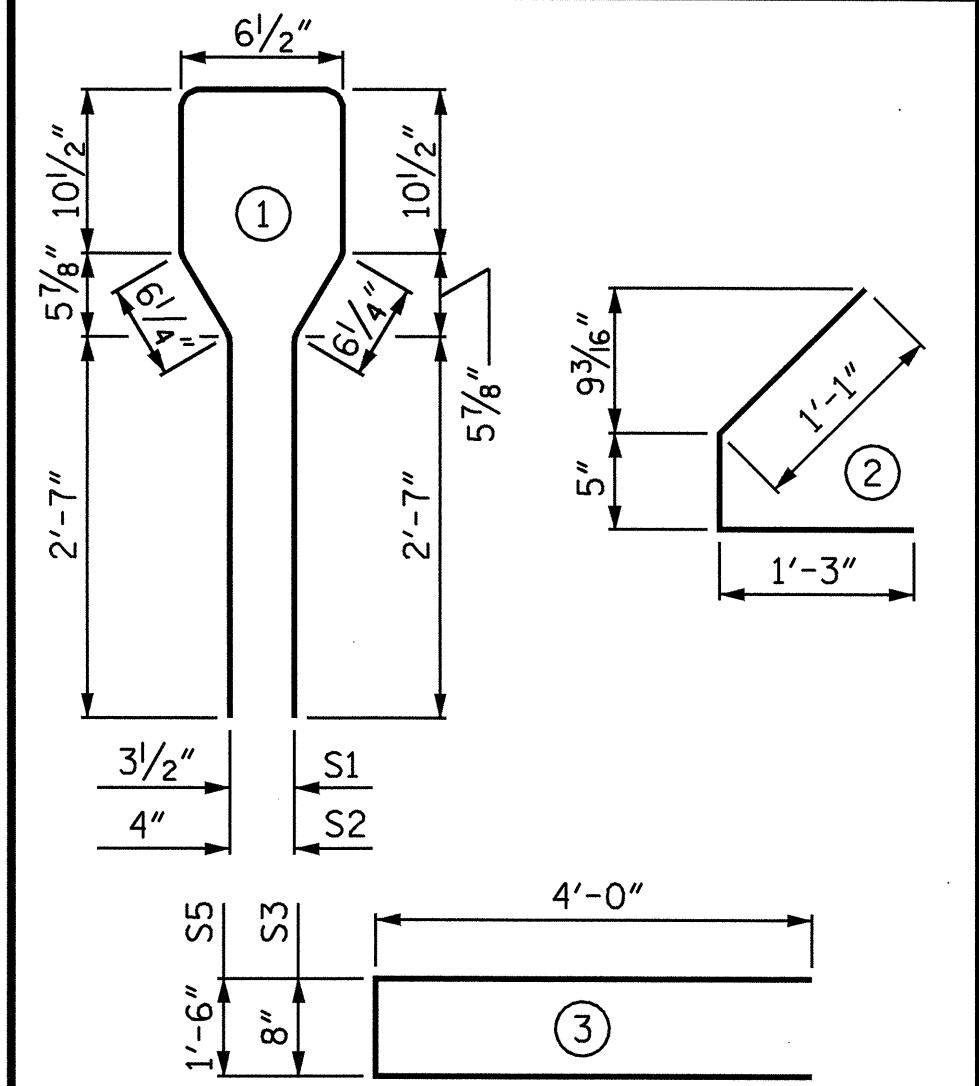


1/2" Ø L.R GRADE 270 STRANDS		
AREA (IN ²)	ULTIMATE STRENGTH (LBS./STRAND)	APPLIED PRESTRESS (LBS./STRAND)
0.153	41,300	30,980

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	48	#4	1	8'-6"	273
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	64	#4	2	2'-9"	118
S5	1	#4	3	9'-6"	6
*S6	4	#5	STR	3'-8"	15

*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

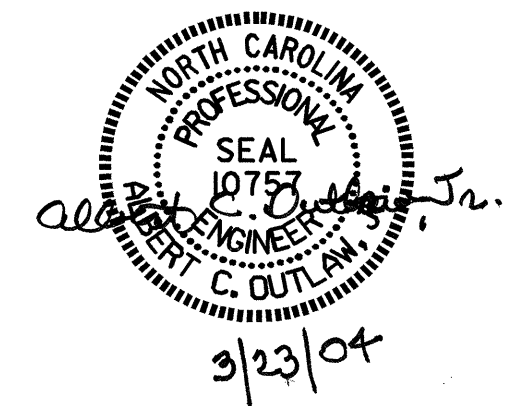


QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	5000 PSI CONCRETE	1/2" Ø L.R. STRANDS
	LB.	C.Y.	No.
FOR ONE GIRDER	588	7.9	20

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
4	54'-11 1/2"	219.83

PROJECT NO. B-3885
ORANGE COUNTY
 STATION: 17+75.00 -L-

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



ASSEMBLED BY : P.C. BREWER	DATE : 7/22/03	CADD STANDARD
CHECKED BY : S.B. WILLIAMS	DATE : 7/31/03	
DRAWN BY : RB	2/97	REV. 10/99 MAB/LES
CHECKED BY : VP	2/97	

REVISIONS						SHEET NO. S-10
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 33
2			4			