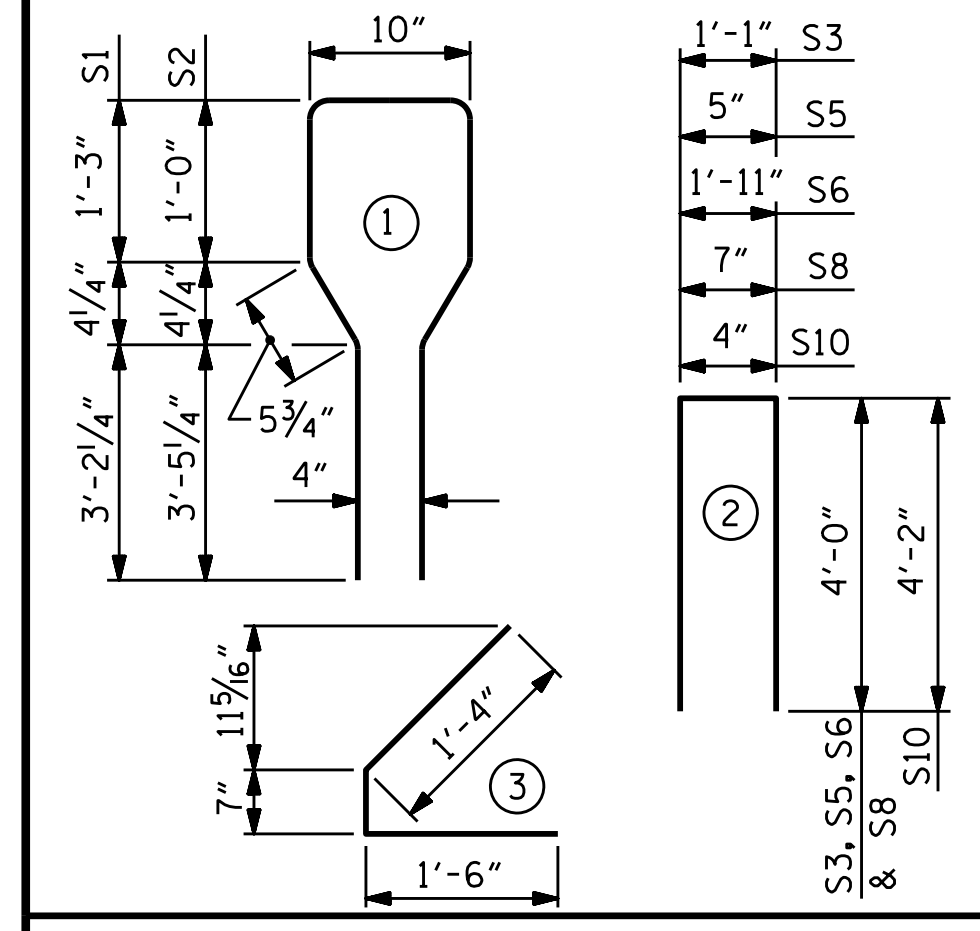


1/2" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.153	41,300	30,980

REINFORCING STEEL FOR ONE GIRDER						
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	
S1	55	#5	1	10'-8"	612	
S2	12	#6	1	10'-8"	192	
S3	4	#5	2	9'-1"	38	
S4	40	#5	3	3'-5"	143	
S5	6	#5	2	8'-5"	53	
S6	1	#5	2	9'-11"	10	
*S7	4	#5	STR	5'-3"	22	
S8	4	#5	2	8'-7"	36	
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

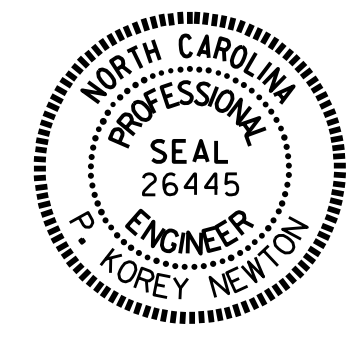


QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL LB.	6,000 PSI CONCRETE C.Y.	1/2" Ø L. R. STRANDS No.
EXTERIOR GIRDER	1,147	16.9	40

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
1	83'-5 1/4"	83'-5 1/4"

PROJECT NO. 41665.13C  
PITT COUNTY  
BRIDGE NO. 730472

SHEET 1 OF 2  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
AASHTO TYPE IV  
PRESTRESSED CONCRETE GIRDER  
CONTINUOUS FOR LIVE LOAD



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-6
1			3			TOTAL SHEETS
2			4			14

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ASSEMBLED BY : M.K. BEARD DATE : 6/23/21  
CHECKED BY : D.R. SHACKELFORD DATE : 6/24/21  
DRAWN BY : ELR 8/91 MAA/GM  
REV. 10/1/11 MAA/TMG  
CHECKED BY : GRP 8/91 REV. 1/15 MAA/THC  
REV. 12/17 MAA/THC