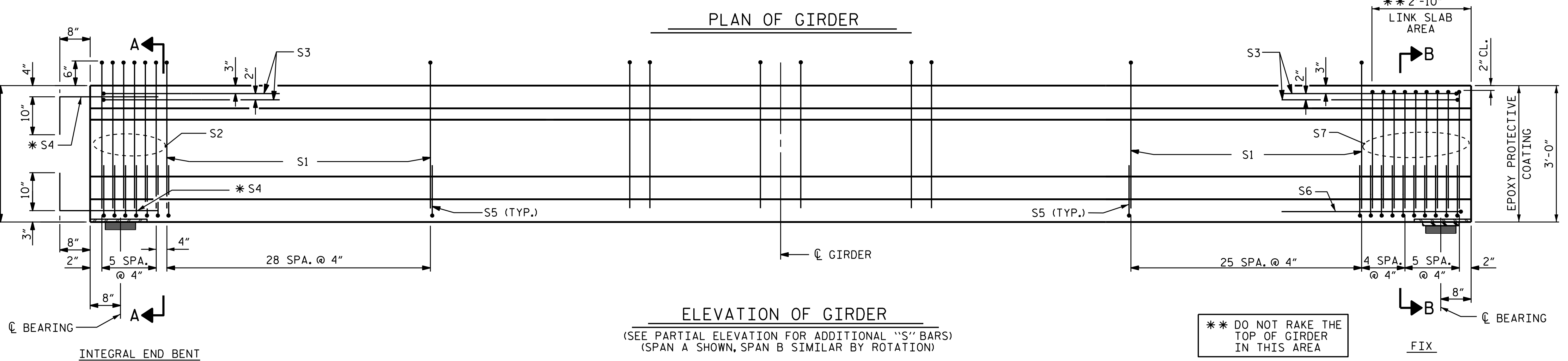
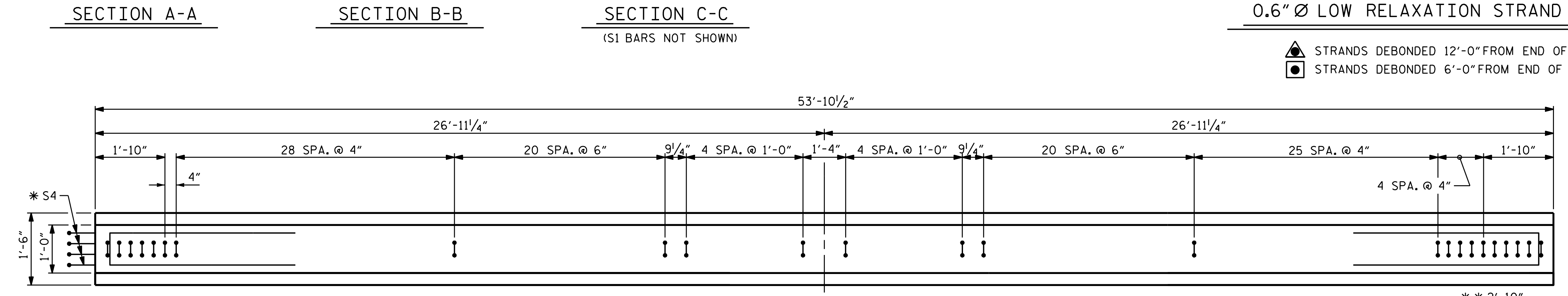
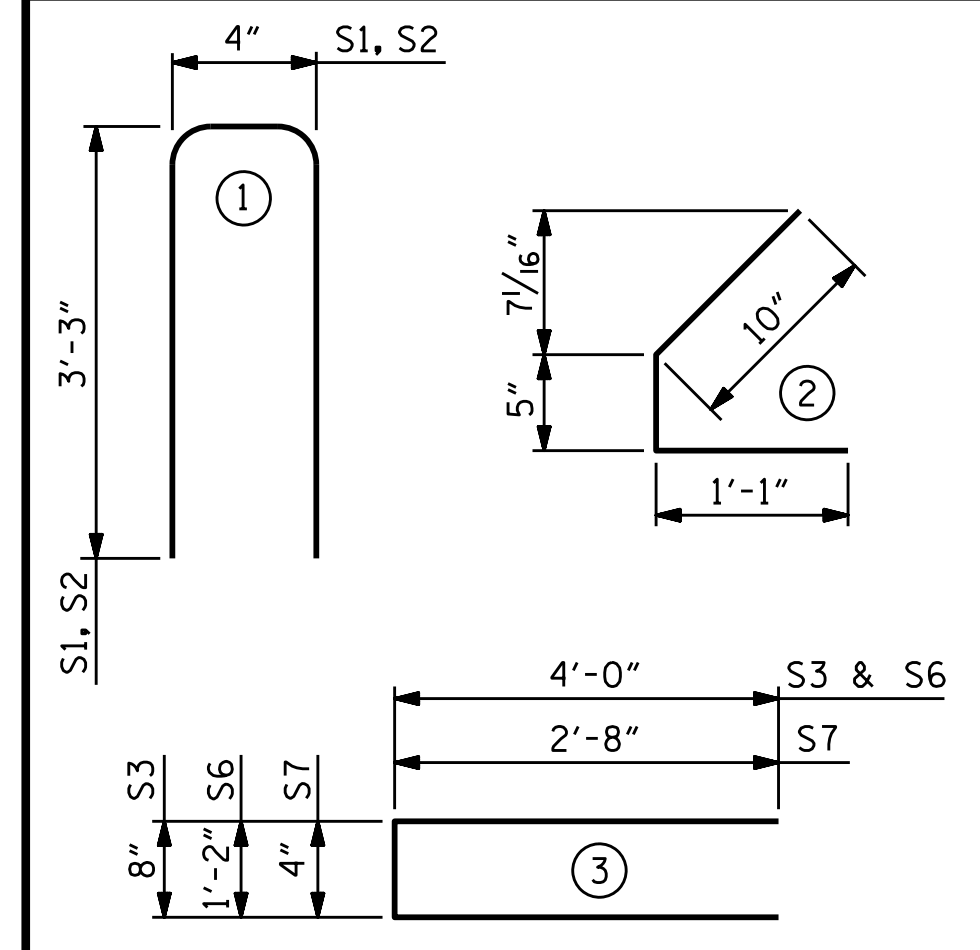


0.6" Ø L. R. GRADE 270 STRANDS					
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)			
0.217	58,600	43,950			
REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	108	#4	1	6'-10"	493
S2	6	#5	1	6'-10"	43
S3	4	#4	3	8'-8"	23
* S4	8	#5	STR	3'-8"	31
S5	140	#4	2	2'-4"	218
S6	1	#4	3	9'-2"	6
S7	11	#5	3	5'-8"	65
S8	5	#4	STR	7'-0"	23

* NOTE: S4 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT



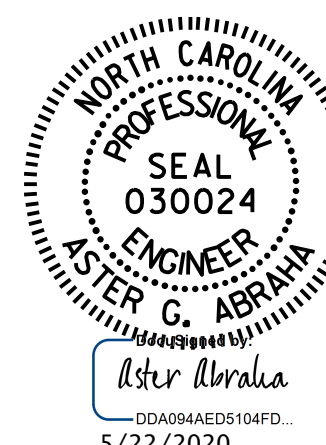
QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL LB.	7000 PSI CONCRETE C.Y.	0.6" Ø L. R. STRANDS No.
	902	5.1	18

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
8	53'-10 1/2"	431.0

PROJECT NO. B-5662
HALIFAX COUNTY
 STATION: 15+61.00 -L-

SHEET 1 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD
 AASHTO TYPE II
 PRESTRESSED CONCRETE GIRDER
 CONTINUOUS FOR LIVE LOAD
 (SPANS A & B)



DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

DESIGN ENGINEER OF RECORD:	
M.M. AHMED	DATE: 03/20
ASSEMBLED BY: M.M. AHMED	DATE: 03/20
CHECKED BY: A. ABRAHA	DATE: 04/20
DRAWN BY: ELR 8/91	REV. 10/1/11 MAA/GM
CHECKED BY: GRP 8/91	REV. 1/15 MAA/TMG
	REV. 12/17 MAA/THC