

NOTES

ALL PRESTRESSING STRANDS SHALL BE 7-WIRE LOW-RELAXATION GRADE 270 STRANDS AND SHALL CONFORM TO AASHTO M203 EXCEPT FOR SAMPLING REQUIREMENTS WHICHSHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

APPLY EPOXY PROTECTIVE COATING TO BOTH SIDES AND BOTTOM OF END 2 FEET OF GIRDER AND END OF GIRDER SURFACES AS INDICATED IN ELEVATION VIEW.

EMBEDDED PLATE "B-1" SHALL BE GALVANIZED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

ANCHOR STUDS SHALL CONFORM TO AASHTO M169 GRADES 1010 THROUGH 1020 OR APPROVED EQUAL, AND SHALL MEET THE TYPE "B" REQUIREMENTS OF SUBSECTION 7.3 OF THE ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.

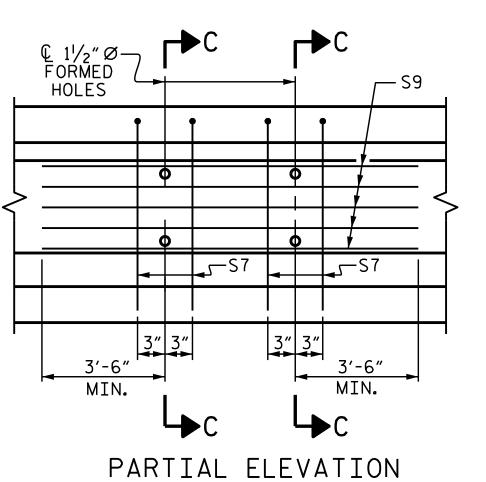
ALL PRESTRESSED STRANDS SHALL BE CUT FLUSH WITH THE GIRDER ENDS.

THE TRANSFER OF LOAD FROM THE ANCHORAGES TO THE GIRDER SHALL BE DONE WHEN CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF NOT LESS THAN ____ PSI.

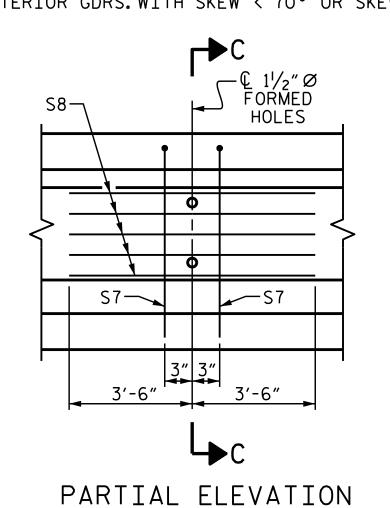
DEPENDING ON THE TYPE OF SYSTEM USED TO SUPPORT THE DECK SLAB FORMS, PRESET ANCHORS MAY BE NECESSARY IN THE PRESTRESSED CONCRETE GIRDER.

THE TOP SURFACE OF THE GIRDER SHALL BE RAKED TO A DEPTH OF $1/4^{\prime\prime}$ EXCEPT IN THE AREA BETWEEN THE STIRRUP AND THE EDGE OF THE GIRDER.

WHEN DRAPED STRANDS ARE DETAILED, THE LONGITUDINAL LOCATION OF THE HOLD DOWN DEVICES SHALL BE WITHIN 6"OF THE LOCATION SHOWN AND THE CENTER OF GRAVITY OF THE GROUP OF DRAPED STRANDS SHALL BE LOCATED WITHIN $\frac{1}{2}$ " OF THE THEORETICAL LOCATION SHOWN.



SHOWING INTERMEDIATE DIAPHRAGM
REINFORCING STEEL FOR GIRDER Nos.____
(FOR INTERIOR GDRS.WITH SKEW < 70° OR SKEW > 110°)



SHOWING INTERMEDIATE DIAPHRAGM
REINFORCING STEEL FOR GIRDER Nos.

(FOR ALL EXTERIOR GIRDERS AND INTERIOR GIRDERS WITH 70° < SKEW < 110°)

0.6" Ø L. R. GRADE 270 STRANDS								
AREA	ULTIMATE STRENGTH	APPLIED PRESTRESS						
(SQUARE INCHES)	(LBS. PER STRAND)	(LBS.PER STRAND)						
0.217	58,600	43,950						

#4 STR

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT

	REINFORCING STEEL FO		- FOR	ONE GIRDER		
	BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
EXTERIOR GDR.	S1		#4	1	8′-6″	
INTERIOR GDR.	S1		#4	1	8′-6″	
	S2	8	#6	1	8′-6″	102
	S3	4	#6	2	4'-8"	28
	S4	56	#4	3	2'-9"	103
	S5	2	#4	4	9′-6″	13
	S6	4	#6	2	4′-6″	27
EXTERIOR GDR.	S7		#5	4	7′-2″	
INTERIOR GDR.	S7		#5	4	7′-2″	
EXTERIOR GDR.	S8		#4	STR	7′-0″	

INTERIOR GDR.

	REINFORCING STEEL CONCE		PSI ETE	0.6"Ø L.R. STRANDS		
	LB.	C.Y.		No.		
EXTERIOR GIRDER						
INTERIOR GIRDER						
GIRDERS REQUIRED						
NUMBER LENGTH			TOTAL LENGTH			
			·			

QUANTITIES FOR ONE GIRDER

PROJECT NO. _____ COUNTY
STATION: ____

SHEET _ OF _

STANDARD

AASHTO TYPE III
PRESTRESSED CONCRETE GIRDER

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION
RALEIGH

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED 2 SHEET NO. BY: DATE: NO. BY: DATE: SHEET NO.

ELEVATION OF GIRDER

(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)

BEARING ──

DATE :

DATE:

MAA/TMG MAA/THC

BNB/AKP

REV. 2/15 REV. 12/17 REV. 10/23

ASSEMBLED BY :

DRAWN BY: JMB 12/87

CHECKED BY : ARB 12/87

CHECKED BY :