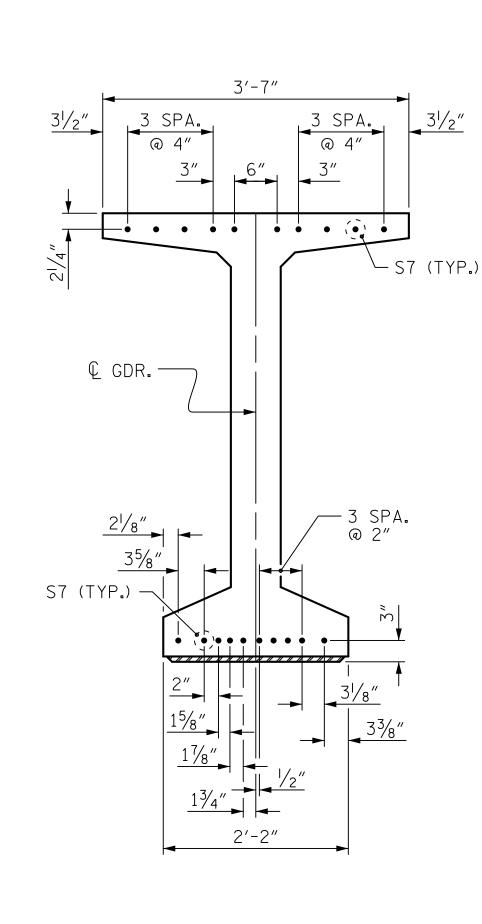
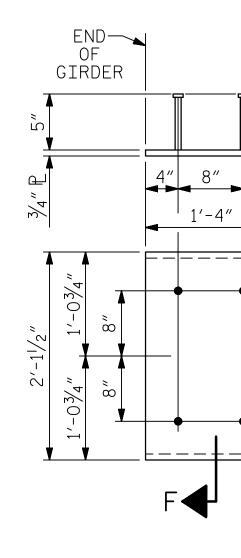
+





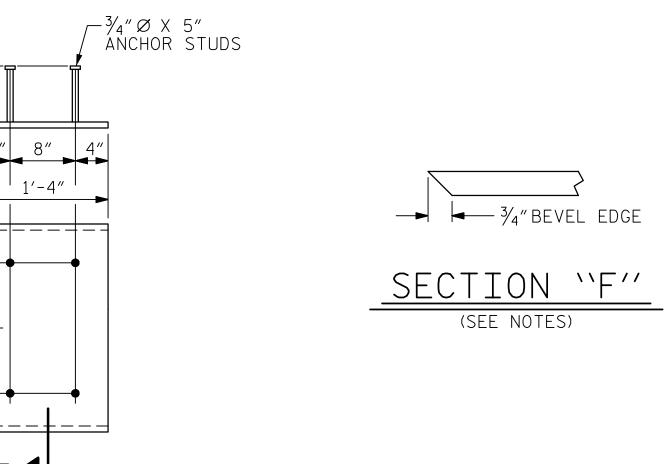


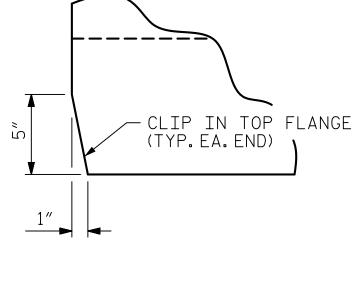
DETAIL ``C''

	D	EAD	LOA	AD [DEFI	_EC ⁻	TIO	ΝΤ	ABL	E F	OR	GIR	DER	S							
	SPAN A																				
0.6″Ø LOW RELAXATION	GIRDERS 1 & 5																				
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
CAMBER (GIRDER ALONE IN PLACE)	0	0.046	0.091	0.134	0.173	0.207	0.237	0.260	0.277	0.287	0.291	0.287	0.277	0.260	0.237	0.207	0.173	0.134	0.091	0.046	0
*DEFLECTION DUE TO SUPERIMPOSED D.L.	0	0.028	0.056	0.084	0.109	0.132	0.151	0.166	0.177	0.184	0.186	0.184	0.177	0.166	0.151	0.132	0.109	0.084	0.056	0.028	0
FINAL CAMBER	0	3/16″	7/16″	5⁄8″	3/4″	7⁄8″	1 / ₁₆ ″	1 /8″	1 ³ /16″	1 ¹ /4″	1 ¹ /4″	11/4″	1 ³ /16″	11/8″	1 / ₁₆ ″	7⁄8″	3/4″	5⁄8″	7/16″	3/16″	0
	SPAN A																				
0.6″Ø LOW RELAXATION	GIRDERS 2, 3 & 4																				
TWENTIETH POINTS	0	.05	.10	. 15	.20	.25	.30	. 35	. 40	. 45	.50	. 55	.60	.65	.70	.75	.80	.85	.90	.95	0
CAMBER (GIRDER ALONE IN PLACE)	0	0.046	0.091	0.134	0.173	0.207	0.237	0.260	0.277	0.287	0.291	0.287	0.277	0.260	0.237	0.207	0.173	0.134	0.091	0.046	0
*DEFLECTION DUE TO SUPERIMPOSED D.L.	0	0.029	0.060	0.090	0.118	0.143	0.164	0.180	0.192	0.199	0.202	0.199	0.192	0.180	0.164	0.143	0.118	0.090	0.060	0.029	0
FINAL CAMBER	0	3/16″	3/8″	1/2"	¹¹ /16″	3⁄4″	7⁄8″	15/16″	1″	11/ ₁₆ ″	1 ¹ / ₁₆ ″	1 ¹ / ₁₆ ″	1″	15/16″	7⁄8″	3⁄4″	"/16″	1/2″	3/8″	3/16″	0

* INCLUDES FUTURE WEARING SURFACE. ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT ``FINAL CAMBER', WHICH IS GIVEN IN INCHES (FRACTION FORM).

ASSEMBLED BY : T.J.KIRSCH CHECKED BY : R.F.WERTMA		10/9/15 3/24/16
DRAWN BY : ELR 11/91 CHECKED BY : GRP 11/91	REV. 10/1/11 REV. 1/15 REV. 2/15	MAA/GM MAA/TMG MAA/TMG





DETAIL ``D''



2610 Wycliff Road

THESE PLANS HAVE BEEN PROPERLY EXAMINED BY UNDERSIGNED. I HAVE DETERMINED THAT THEY CO WITH EXISTING NORTH CAROLINA CODES, AND HAV BEEN PROPERLY ADAPTED FOR USE IN THIS AREA.

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

THE TRANSFER OF LOAD FROM THE ANCHORAGES TO THE GIRDER SHALL BE DONE WHEN CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF NOT LESS THAN 6400 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, EXCLUDING THE OUTSIDE 4", SHALL BE RAKED TO A

DEPTH OF 1/4".

A 2" \times 2" CHAMFER IS ALLOWED AT THE INTERSECTION OF THE WEB AND THE BOTTOM FLANGE OF THE 63" MODIFIED BULB TEES.

0F 4500 lbs.

NOTES

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

ALL REINFORCING STEEL SHALL BE GRADE 60.

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.

AT ENDS OF GIRDERS TO BE EMBEDDED IN CONCRETE DIAPHRAGMS OR END WALLS, PRESTRESSING STRANDS MAY EXTEND A MAXIMUM OF 2"BEYOND THE GIRDER ENDS. OTHERWISE, PRESTRESSING STRANDS SHALL BE CUT FLUSH WITH THE GIRDER ENDS.

THE CONTRACTOR HAS THE OPTION TO PROVIDE,AT NO ADDITIONAL COST TO THE DEPARTMENT,2 ADDITIONAL STRANDS AT THE TOP OF THE GIRDER TO FACILITATE TYING OF THE REINFORCING STEEL. THESE STRANDS SHALL BE PULLED TO A LOAD

FOR EMBEDDED CLIPS FOR PRESTRESSED CONCRETE GIRDERS.SEE SPECIAL PROVISIONS.

			ST			<u>KE</u> 254	+85.		UNTY		
		RESSION AND F WERMIN	Ρ		RTMENT S RESSEI	OF TAI D (NDAR	NSPORTA D RETE G	TION SIRDER		
	,	Ochen F. Vuitro			EAST	BC	UND	LANE			
THE		7/12/2016	REVISIONS SHEET								
MPLY E	DOCUMEN FIN SIGNA		 1 2	BY:	DATE:	NO. 3 4]	BY:	DATE:	S02-11 total sheets 28		
			STF	R. NO. 2		S	TD. N	O.PCGS	}		