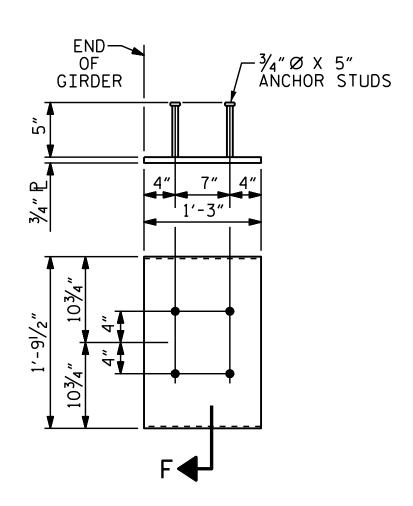
	——————————————————————————————————————																						
		SPAN A																					
0.6"Ø LOW RELAXATION		GIRDER #1 & #4										GIRDER #2 & #3											
TENTH POINTS		0	.1	.2	.3	. 4	. 5	.6	.7	.8	.9	0	0	.1	. 2	.3	.4	. 5	.6	.7	.8	.9	0
CAMBER (GIRDER ALONE IN PLACE)	†	0	0.009	0.018	0.025	0.029	0.030	0.029	0.025	0.018	0.009	0	0	0.009	0.018	0.025	0.029	0.030	0.029	0.025	0.018	0.009	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	♦	0	0.003	0.006	0.008	0.009	0.010	0.009	0.008	0.006	0.003	0	0	0.003	0.006	0.009	0.010	0.011	0.010	0.009	0.006	0.003	0
FINAL CAMBER	+	0	1/16"	1/8"	3/16"	1/4"	1/4"	1/4"	3/16"	1/8"	1/16"	0	0	1/16"	¹ /8″	3/16"	1/4"	1/4"	1/4"	3/16"	1/8"	1/16"	0

		— DE	AD L	OAD	DEF	LECT	ION	TAB	LE F	OR C	IRD	ERS-																				
	SPAN B																															
0.6" Ø LOW RELAXATION		GIRDER #1 & #4														GIRDE	ER #2	& # 3														
TENTH POINTS	0	.1	.2	.3	.4	. 5	.6	.7	.8	.9	0	0	.1	. 2	.3	.4	. 5	. 6	.7	.8	.9	0										
CAMBER (GIRDER ALONE IN PLACE)	0	0.033	0.062	0.085	0.100	0.105	0.100	0.085	0.062	0.033	0	0	0.033	0.062	0.085	0.100	0.105	0.100	0.085	0.062	0.033	0										
* DEFLECTION DUE TO SUPERIMPOSED D.L.	0	0.023	0.044	0.060	0.070	0.074	0.070	0.060	0.044	0.023	0	0	0.026	0.049	0.068	0.079	0.083	0.079	0.068	0.049	0.026	0										
FINAL CAMBER	0	1/8"	3/16′′	5/16″	3/8"	3/8"	3/8"	5/16″	3/16"	1/8"	0	0	1/16"	1/8"	3/16"	1/4"	1/4"	1/4"	3/16"	1/8"	1/16"	0										

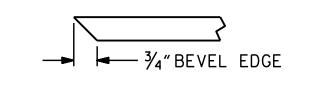
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		SPAN C																					
O.6" Ø LOW RELAXATION		GIRDER #1 & #4										GIRDER #2 & #3											
TENTH POINTS		0	.1	.2	.3	.4	. 5	. 6	.7	.8	. 9	0	0	.1	. 2	. 3	.4	. 5	. 6	.7	.8	. 9	0
CAMBER (GIRDER ALONE IN PLACE)	†	0	0.011	0.021	0.029	0.034	0.036	0.034	0.029	0.021	0.011	0	0	0.011	0.021	0.029	0.034	0.036	0.034	0.029	0.021	0.011	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	†	0	0.005	0.010	0.013	0.015	0.016	0.015	0.013	0.010	0.005	0	0	0.006	0.011	0.015	0.017	0.018	0.017	0.015	0.011	0.006	0
FINAL CAMBER	†	0	1/16"	1/8"	3/16"	1/4"	1/4"	1/4"	3/16"	1/8"	1/16"	0	0	1/8′′	3/16′′	3/16′′	3/16′′	1/4''	3/16′′	3/16′′	3/16′′	1/8''	0

* INCLUDES FUTURE WEARING SURFACE

ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER ", WHICH IS GIVEN IN INCHES (FRACTION FORM).



EMBEDDED PLATE "B-1" DETAILS FOR AASHTO TYPE III GIRDER



SECTION "F"

DRAWN BY: D. A. GLADDEN DATE: 7-25-13
CHECKED BY: H. T. BARBOUR DATE: 8-13

7/22/2015

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.

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.

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 TRANSFER OF LOAD FROM THE ANCHORAGES TO THE GIRDER IN SPAN "A" & SPAN "C", SHALL BE DONE WHEN CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF NOT LESS THAN 4000 PSI.

THE TRANSFER OF LOAD FROM THE ANCHORAGES TO THE GIRDER IN SPAN "B" SHALL BE DONE WHEN CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF NOT LESS THAN 4700 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 $\frac{1}{4}$ ".

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 OF 4500 lbs.

SHEET 4 OF 5

STR. #2

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

PRESTRESSED CONCRETE GIRDER CONTINUOUS FOR LIVE LOAD DETAILS

REVISIONS

NO. BY: DATE: NO. BY: DATE: SHEET NO S-22

1 3 TOTAL SHEETS 47

STD. NO. PCG10