O.6″ Ø LOW RELAXATION STRANDS TENTH POINTS CAMBER (GIRDER ALONE IN PLACE) * DEFLECTION DUE TO SUPERIMPOSED D.L. FINAL CAMBER						FOR						
TENTH POINTS CAMBER (GIRDER ALONE IN PLACE) * DEFLECTION DUE TO SUPERIMPOSED D.L.							SPAN A					
CAMBER (GIRDER ALONE IN PLACE) * DEFLECTION DUE TO SUPERIMPOSED D.L.		GIRDERS AG1 AND AG5										
* DEFLECTION DUE TO SUPERIMPOSED D.L.		BRG.	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	BRG
	†	0.000	0.005	0.010	0.014	0.016	0.017	0.016	0.014	0.010	0.005	0.00
FINAL CAMBER	\	0.000	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.00
	<u></u>	0	1/16″	/8″	/8″	3/16″	3/16″	3/16″	/8″	/8″	¹ /16″	0
* INCLUDES FUTURE WEARING SURFACE. ALL VALUES ARE SHOWN IN FEET (DECIMA	L FOR	M), EXCE	PT ``FIN	IAL CAME	BR", WH	ICH IS	GIVEN I	N INCHE	S (FRACT	TION FOR	RM).	
DEAD I) DEF	LECT	ION 1	ABLE	FOR	GIRD	ERS				
0.6″ Ø LOW RELAXATION STRANDS							SPAN A					
	,				GIF	RDERS A	AG2,AG	3, AND	AG4			1
TENTH POINTS		BRG.	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	BRC
CAMBER (GIRDER ALONE IN PLACE)		0.000	0.005	0.010	0.014	0.016	0.017	0.016	0.014	0.010	0.005	0.00
* DEFLECTION DUE TO SUPERIMPOSED D.L.		0.000	0.001	0.001	0.002	0.002	0.003	0.002	0.002	0.001	0.001	0.00
FINAL CAMBER	▲	0	1/16″	1/8″	1/8″	³ /16″	3/16″	3/16″	1/8″	1/8″	1/16″	0
* INCLUDES FUTURE WEARING SURFACE. ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD L						FOR	GIRD	ERS	S (FRACT	FION FOF	RM).	
ALL VALUES ARE SHOWN IN FEET (DECIMA	LOAD					FOR		ERS	S (FRACT	FION FOF	RM).	
ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD L 0.6" Ø LOW RELAXATION STRANDS	LOAD) DEF	LECT	ION 1	ABLE	FOR GIRDER	GIRD SPAN E S BG1 4	ERS	5			
DEAD I 0.6″ØLOW RELAXATION STRANDS TENTH POINTS	LOAD	DEF	LECT	ION 7	ABLE (0.30	FOR GIRDER 0.40	GIRD SPAN E S BG1 4 0.50	ERS	5	0.80	0.90	
ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD I 0.6" Ø LOW RELAXATION STRANDS TENTH POINTS CAMBER (GIRDER ALONE IN PLACE)	LOAD	DEF BRG. 0.000	0.10 0.028	O.20 0.053	ABLE (0.30 0.073	FOR GIRDER 0.40 0.085	GIRD SPAN E S BG1 4 0.50 0.089	ERS ND BG 0.60 0.085	5 0.70 0.073	0.80	0.90	0.00
ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD L O.6" Ø LOW RELAXATION STRANDS TENTH POINTS CAMBER (GIRDER ALONE IN PLACE) * DEFLECTION DUE TO SUPERIMPOSED D.L.	LOAD	DEF BRG. 0.000 0.000	0.10 0.028 0.014	O.20 0.053 0.028	ABLE (0.30 0.073 0.039	FOR GIRDER 0.40 0.085 0.046	GIRD SPAN E S BG1 4 0.50 0.089 0.048	ERS ND BG 0.60 0.085 0.046	5 0.70 0.073 0.039	0.80 0.053 0.028	0.90 0.028 0.014	0.00
ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD I O.6" Ø LOW RELAXATION STRANDS TENTH POINTS CAMBER (GIRDER ALONE IN PLACE) * DEFLECTION DUE TO SUPERIMPOSED D.L. FINAL CAMBER	LOAD	DEF BRG. 0.000	0.10 0.028	O.20 0.053	ABLE (0.30 0.073	FOR GIRDER 0.40 0.085	GIRD SPAN E S BG1 4 0.50 0.089	ERS ND BG 0.60 0.085	5 0.70 0.073	0.80	0.90	0.0
ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD I O.6" Ø LOW RELAXATION STRANDS TENTH POINTS CAMBER (GIRDER ALONE IN PLACE) * DEFLECTION DUE TO SUPERIMPOSED D.L. FINAL CAMBER * INCLUDES FUTURE WEARING SURFACE. ALL VALUES ARE SHOWN IN FEET (DECIMA	LOAD	DEF BRG. 0.000 0.000 0	0.10 0.028 0.014 3/16″ PT ``FIN	O.20 0.053 0.028 5//6″	ABLE (0.30 0.073 0.039 3/8" BER'', WH	FOR GIRDER 0.40 0.085 0.046 1/2″	GIVEN I	ERS ND BG 0.60 0.085 0.046 1/2"	0.70 0.073 0.039 <u>3/8</u> "	0.80 0.053 0.028 5⁄16″	0.90 0.028 0.014 <u>3</u> /16"	0.00
ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD I O.6" Ø LOW RELAXATION STRANDS TENTH POINTS CAMBER (GIRDER ALONE IN PLACE) * DEFLECTION DUE TO SUPERIMPOSED D.L. FINAL CAMBER * INCLUDES FUTURE WEARING SURFACE.	LOAD	DEF BRG. 0.000 0.000 0	0.10 0.028 0.014 3/16″ PT ``FIN	O.20 0.053 0.028 5//6″	ABLE (0.30 0.073 0.039 3/8" BER'', WH	FOR GIRDER 0.40 0.085 0.046 1/2" ICH IS FOR	GIRD SPAN E S BG1 4 0.50 0.089 0.048 1/2" GIVEN I	ERS AND BG 0.60 0.085 0.046 1/2" N INCHE ERS	0.70 0.073 0.039 <u>3/8</u> "	0.80 0.053 0.028 5⁄16″	0.90 0.028 0.014 <u>3</u> /16"	BR0 0.00 0.00
ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD I O.6" Ø LOW RELAXATION STRANDS TENTH POINTS CAMBER (GIRDER ALONE IN PLACE) * DEFLECTION DUE TO SUPERIMPOSED D.L. FINAL CAMBER * INCLUDES FUTURE WEARING SURFACE. ALL VALUES ARE SHOWN IN FEET (DECIMA		DEF BRG. 0.000 0.000 0	0.10 0.028 0.014 3/16″ PT ``FIN	O.20 0.053 0.028 5//6″	ABLE 0.30 0.073 0.039 3%" BER'', WH	FOR GIRDER 0.40 0.085 0.046 1/2" ICH IS FOR	GIVEN I SPAN B SBG1 4 0.50 0.089 0.048 1/2"	ERS ND BG 0.60 0.085 0.046 1/2" N INCHE	5 0.70 0.073 0.039 3⁄8″ S (FRACT	0.80 0.053 0.028 5⁄16″	0.90 0.028 0.014 <u>3</u> /16"	0.00
ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD I O.6" Ø LOW RELAXATION STRANDS TENTH POINTS CAMBER (GIRDER ALONE IN PLACE) * DEFLECTION DUE TO SUPERIMPOSED D.L. FINAL CAMBER * INCLUDES FUTURE WEARING SURFACE. ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD I		DEF BRG. 0.000 0.000 0	0.10 0.028 0.014 3/16″ PT ``FIN	O.20 0.053 0.028 5//6″	ABLE 0.30 0.073 0.039 3%" BER'', WH	FOR GIRDER 0.40 0.085 0.046 1/2" ICH IS FOR	GIRD SPAN E S BG1 4 0.50 0.089 0.048 1/2" GIVEN I	ERS ND BG 0.60 0.085 0.046 1/2" N INCHE	5 0.70 0.073 0.039 3⁄8″ S (FRACT	0.80 0.053 0.028 5⁄16″	0.90 0.028 0.014 <u>3</u> /16"	0.00
ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD I O.6" Ø LOW RELAXATION STRANDS TENTH POINTS CAMBER (GIRDER ALONE IN PLACE) * DEFLECTION DUE TO SUPERIMPOSED D.L. FINAL CAMBER * INCLUDES FUTURE WEARING SURFACE. ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD I 0.6" Ø LOW RELAXATION STRANDS		DEF BRG. 0.000 0.000 0.000 0 M), EXCE	0.10 0.028 0.014 3/16″ PT ``FIN	O.20 0.053 0.028 5/i6″	ABLE (0.30 0.073 0.039 3%" BER'', WH	FOR GIRDER 0.40 0.085 0.046 1/2" ICH IS FOR	GIRD SPAN E S BG1 4 0.50 0.089 0.048 1/2" GIVEN I GIVEN I SPAN E 3G2, BG3	ERS AND BG 0.60 0.085 0.046 1/2" N INCHE ERS 3, AND	5 0.70 0.073 0.039 3%" S (FRACT	0.80 0.053 0.028 5%6″	0.90 0.028 0.014 3⁄i6″ ₹M).	0.00
ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD I O.6" Ø LOW RELAXATION STRANDS TENTH POINTS CAMBER (GIRDER ALONE IN PLACE) * DEFLECTION DUE TO SUPERIMPOSED D.L. FINAL CAMBER * INCLUDES FUTURE WEARING SURFACE. ALL VALUES ARE SHOWN IN FEET (DECIMA DEAD I O.6" Ø LOW RELAXATION STRANDS TENTH POINTS		DEF BRG. 0.000 0.000 M), EXCE DEF BRG.	0.10 0.028 0.014 3/16" PT ``FIN LECT	O.20 0.053 0.028 5//6″ IAL CAME	ABLE (0.30 0.073 0.039 3/8" BER'', WH BER'', WH GIF 0.30	FOR 0.40 0.085 0.046 1/2" ICH IS FOR DERS E 0.40	GIRD SPAN E S BG1 4 0.50 0.089 0.048 1/2" GIVEN I GIVEN I SPAN E 3G2, BG3 0.50	ERS AND BGS 0.60 0.085 0.046 1/2" N INCHE ERS 3, AND 0.60	5 0.70 0.073 0.039 3%″ S (FRACT BG4 0.70	0.80 0.053 0.028 5%6″ TION FOR	0.90 0.028 0.014 3/i6″ RM).	0.00 0.00 0

DRAWN BY: D.D. LOWERY	DATE:02/2020
CHECKED BY: J.C. WILSON	DATE: 02/2020
DESIGN ENGINEER OF RECORD: P.D.COOKSEY	DATE: <u>02/2020</u>

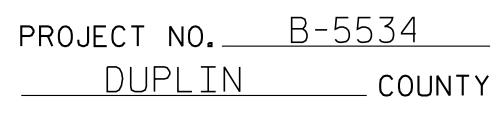
DEAD LOAD DEFLECTION TABLE FOR GIRDERS											
0.6″ Ø LOW RELAXATION STRANDS						span c					
0.0 Ø LOW RELAXATION STRANDS				(GIRDER	S CG1 A	ND CG5	5			
TENTH POINTS		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	BRG.
CAMBER (GIRDER ALONE IN PLACE)	0.000	0.007	0.014	0.019	0.022	0.023	0.022	0.019	0.014	0.007	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	0.000	0.001	0.003	0.004	0.005	0.005	0.005	0.004	0.003	0.001	0.000
FINAL CAMBER	0	1/16″	۱⁄ ₈ ″	³ /16″	3/16″	¹ /4″	3/16″	3/16″	/8″	″،6	0

* INCLUDES FUTURE WEARING SURFACE.

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

DEAD LOAD DEFLECTION TABLE FOR GIRDERS											
0.6″ Ø LOW RELAXATION STRANDS	SPAN C										
U.O & LOW RELAXATION STRANDS				GIF	RDERS (CG2,CG	3, AND	CG4			
TENTH POINTS	BRG.	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	BRG.
CAMBER (GIRDER ALONE IN PLACE)	0.000	0.007	0.014	0.019	0.022	0.023	0.022	0.019	0.014	0.007	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	0.000	0.001	0.003	0.005	0.005	0.006	0.005	0.004	0.003	0.001	0.000
FINAL CAMBER	0	¹ ⁄іс″	/8″	³ /16″	³ /16″	3/16″	3/16″	3/16″	/8″	″/ _{ا6}	0

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



STATION: 21+68.50 -L-

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUPERSTRUCTURE

GIRDER DEFLECTION AND CAMBER SCHEDULES

		SHEET NO.				
NO.	BY:	DATE:	NO.	BY:	DATE:	S-16
1			I			TOTAL SHEETS
2			4			34



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