

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

0.6" Ø LOW RELAXATION STRANDS	SPAN C																																
	GIRDER CG1											GIRDER CG2										GIRDER CG3											
TENTH POINTS BETWEEN BRGS.	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CAMBER (GIRDER ALONE IN PLACE) (FT.) ↑	0.000	0.073	0.137	0.188	0.220	0.231	0.220	0.188	0.137	0.073	0.000	0.000	0.073	0.137	0.188	0.220	0.231	0.220	0.188	0.137	0.073	0.000	0.000	0.073	0.137	0.188	0.220	0.231	0.220	0.188	0.137	0.073	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. (FT.) ↓	0.000	0.055	0.106	0.146	0.172	0.180	0.172	0.146	0.106	0.055	0.000	0.000	0.058	0.112	0.155	0.182	0.191	0.182	0.155	0.112	0.058	0.000	0.000	0.056	0.109	0.150	0.177	0.186	0.177	0.150	0.109	0.056	0.000
FINAL CAMBER (OR DEFLECTION) (IN.) ↑	0	3/16"	3/8"	1/2"	9/16"	9/16"	9/16"	1/2"	3/8"	3/16"	0	0	1/8"	1/4"	3/8"	7/16"	7/16"	7/16"	3/8"	1/4"	1/8"	0	0	3/16"	5/16"	7/16"	1/2"	1/2"	1/2"	7/16"	5/16"	3/16"	0

0.6" Ø LOW RELAXATION STRANDS	SPAN C																																
	GIRDER CG4											GIRDER CG5										GIRDER CG6											
TENTH POINTS BETWEEN BRGS.	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CAMBER (GIRDER ALONE IN PLACE) (FT.) ↑	0.000	0.073	0.137	0.188	0.220	0.231	0.220	0.188	0.137	0.073	0.000	0.000	0.073	0.137	0.188	0.220	0.231	0.220	0.188	0.137	0.073	0.000	0.000	0.073	0.137	0.188	0.220	0.231	0.220	0.188	0.137	0.073	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. (FT.) ↓	0.000	0.054	0.104	0.145	0.170	0.179	0.170	0.145	0.104	0.054	0.000	0.000	0.054	0.106	0.146	0.172	0.181	0.172	0.146	0.106	0.054	0.000	0.000	0.050	0.097	0.134	0.158	0.166	0.158	0.134	0.097	0.050	0.000
FINAL CAMBER (OR DEFLECTION) (IN.) ↑	0	3/16"	3/8"	1/2"	9/16"	5/8"	9/16"	1/2"	3/8"	3/16"	0	0	3/16"	3/8"	7/16"	9/16"	9/16"	9/16"	7/16"	3/8"	3/16"	0	0	1/4"	7/16"	5/8"	11/16"	3/4"	11/16"	5/8"	7/16"	1/4"	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 D																																
	GIRDER DG1											GIRDER DG2										GIRDER DG3											
TENTH POINTS BETWEEN BRGS.	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CAMBER (GIRDER ALONE IN PLACE) (FT.) ↑	0.000	0.031	0.058	0.079	0.093	0.097	0.093	0.079	0.058	0.031	0.000	0.000	0.031	0.058	0.079	0.093	0.097	0.093	0.079	0.058	0.031	0.000	0.000	0.031	0.058	0.079	0.093	0.097	0.093	0.079	0.058	0.031	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. (FT.) ↓	0.000	0.013	0.025	0.034	0.040	0.042	0.040	0.034	0.025	0.013	0.000	0.000	0.013	0.026	0.036	0.042	0.045	0.042	0.036	0.026	0.013	0.000	0.000	0.013	0.025	0.035	0.041	0.043	0.041	0.035	0.025	0.013	0.000
FINAL CAMBER (OR DEFLECTION) (IN.) ↑	0	3/16"	3/8"	1/2"	5/8"	5/8"	5/8"	1/2"	3/8"	3/16"	0	0	3/16"	3/8"	1/2"	9/16"	5/8"	9/16"	1/2"	3/8"	3/16"	0	0	3/16"	3/8"	1/2"	9/16"	5/8"	9/16"	1/2"	3/8"	3/16"	0

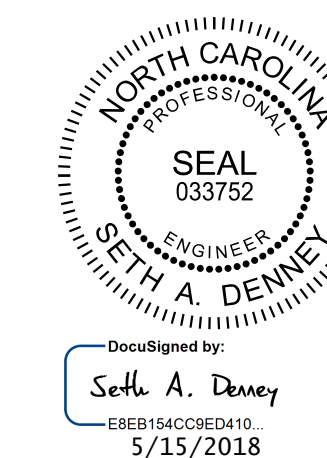
0.6" Ø LOW RELAXATION STRANDS	SPAN D																																
	GIRDER DG4											GIRDER DG5										GIRDER DG6											
TENTH POINTS BETWEEN BRGS.	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CAMBER (GIRDER ALONE IN PLACE) (FT.) ↑	0.000	0.031	0.058	0.079	0.093	0.097	0.093	0.079	0.058	0.031	0.000	0.000	0.031	0.058	0.079	0.093	0.097	0.093	0.079	0.058	0.031	0.000	0.000	0.031	0.058	0.079	0.093	0.097	0.093	0.079	0.058	0.031	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. (FT.) ↓	0.000	0.012	0.024	0.034	0.040	0.042	0.040	0.034	0.024	0.012	0.000	0.000	0.012	0.024	0.034	0.040	0.042	0.040	0.034	0.024	0.012	0.000	0.000	0.011	0.022	0.031	0.037	0.039	0.037	0.031	0.022	0.011	0.000
FINAL CAMBER (OR DEFLECTION) (IN.) ↑	0	3/16"	3/8"	1/2"	5/8"	5/8"	5/8"	1/2"	3/8"	3/16"	0	0	3/16"	3/8"	1/2"	5/8"	5/8"	5/8"	1/2"	3/8"	3/16"	0	0	3/16"	3/8"	9/16"	5/8"	11/16"	5/8"	9/16"	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).

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PROJECT NO. R-3822
HALIFAX COUNTY
 STATION: 99+17.60 -L1-

SHEET 2 OF 3



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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 GIRDER DEFLECTION
 AND CAMBER SCHEDULES

DRAWN BY: D. D. LOWERY DATE: 03/18
 CHECKED BY: C. I. POOLE DATE: 03/18
 DESIGN ENGINEER OF RECORD: S. A. DENNEY DATE: 03/18

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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-22
1			3			TOTAL SHEETS
2			4			58