

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN C																					
	GIRDERS CG3 & CG4																					
TWENTIETH POINTS	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.050	0.098	0.144	0.186	0.224	0.255	0.280	0.299	0.310	0.314	0.310	0.299	0.280	0.255	0.224	0.186	0.144	0.098	0.050	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.032	0.063	0.093	0.124	0.148	0.173	0.189	0.205	0.211	0.217	0.212	0.207	0.192	0.178	0.153	0.129	0.098	0.067	0.034	0.000
FINAL CAMBER	↑	0	1/4"	7/16"	5/8"	3/4"	15/16"	1"	1 1/8"	1 1/8"	1 3/16"	1 3/16"	1 3/16"	1 1/8"	1 1/16"	15/16"	7/8"	11/16"	9/16"	3/8"	3/16"	0

* INCLUDES SLAB, BUILDUPS, FUTURE WEARING SURFACE & STAY-IN-PLACE FORMS.
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																					
	GIRDERS CG5 THRU CG8																					
TWENTIETH POINTS	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.050	0.098	0.144	0.186	0.224	0.255	0.280	0.299	0.310	0.314	0.310	0.299	0.280	0.255	0.224	0.186	0.144	0.098	0.050	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.040	0.081	0.120	0.159	0.190	0.221	0.242	0.262	0.270	0.277	0.271	0.265	0.246	0.227	0.196	0.165	0.126	0.086	0.043	0.000
FINAL CAMBER	↑	0	1/8"	3/16"	5/16"	5/16"	7/16"	7/16"	7/16"	7/16"	1/2"	7/16"	7/16"	3/8"	7/16"	5/16"	5/16"	1/4"	1/4"	1/8"	1/16"	0

* INCLUDES SLAB, BUILDUPS, FUTURE WEARING SURFACE & STAY-IN-PLACE FORMS.
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																					
	GIRDER CG9																					
TWENTIETH POINTS	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.050	0.098	0.144	0.186	0.224	0.255	0.280	0.299	0.310	0.314	0.310	0.299	0.280	0.255	0.224	0.186	0.144	0.098	0.050	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.038	0.076	0.113	0.150	0.179	0.209	0.228	0.247	0.254	0.262	0.256	0.250	0.232	0.214	0.185	0.156	0.119	0.081	0.041	0.000
FINAL CAMBER	↑	0	1/8"	1/4"	3/8"	7/16"	3/4"	3/4"	5/8"	5/8"	11/16"	5/8"	5/8"	3/4"	3/4"	1/2"	7/16"	3/8"	5/16"	3/16"	1/8"	0

* INCLUDES SLAB, BUILDUPS, FUTURE WEARING SURFACE & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT " FINAL CAMBER ", WHICH IS GIVEN IN INCHES (FRACTION FORM).

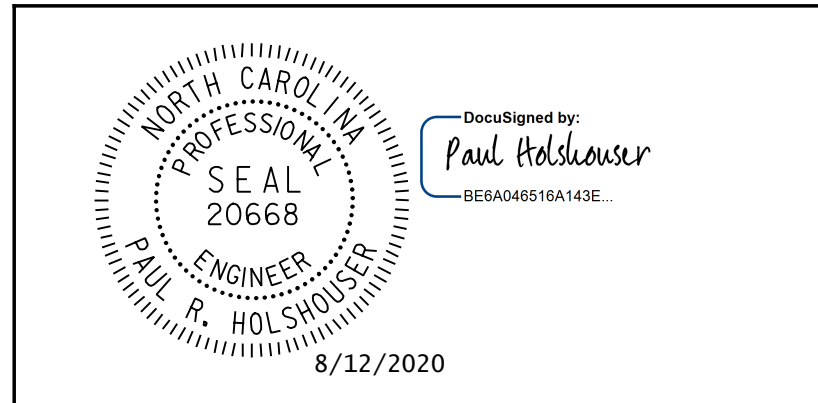
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN D																					
	GIRDER DG1																					
TWENTIETH POINTS	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.051	0.100	0.147	0.190	0.228	0.260	0.286	0.304	0.316	0.320	0.316	0.304	0.286	0.260	0.228	0.190	0.147	0.100	0.051	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.025	0.051	0.074	0.097	0.115	0.134	0.145	0.156	0.159	0.163	0.158	0.153	0.141	0.129	0.110	0.092	0.069	0.046	0.023	0.000
FINAL CAMBER	↑	0	5/16"	3/4"	7/8"	1 1/8"	1 3/8"	1 1/2"	1 11/16"	1 3/4"	1 7/8"	1 7/8"	1 7/8"	1 13/16"	1 3/4"	1 9/16"	1 7/16"	1 3/16"	15/16"	5/8"	5/16"	0

* INCLUDES SLAB, BUILDUPS, FUTURE WEARING SURFACE & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT " FINAL CAMBER ", WHICH IS GIVEN IN INCHES (FRACTION FORM).

PROJECT NO. 48793.3.1
BLADEN COUNTY
STATION: 118+81.78 -L-

SHEET 4 OF 10

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
GIRDER DEFLECTIONS
AND CAMBER



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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-43
1			3			TOTAL SHEETS
2			4			107

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DRAWN BY : J. N. AUSTIN DATE : 7-20-20
 CHECKED BY : N. D'AIUTO DATE : 7-21-20
 DESIGN E.O.R. : P. R. HOLSHOUSER DATE : 7-23-20