

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN E																					
	GIRDER EG1																					
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	0.077	0.114	0.151	0.181	0.210	0.230	0.249	0.257	0.264	0.258	0.253	0.234	0.216	0.187	0.157	0.120	0.082	0.041	0.000
FINAL CAMBER	↑	0	1/8"	1/4"	3/8"	7/16"	1/2"	9/16"	5/8"	5/8"	5/8"	5/8"	5/8"	9/16"	9/16"	7/16"	7/16"	5/16"	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 E																					
	GIRDER EG2																					
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	0.037	0.073	0.109	0.144	0.172	0.201	0.220	0.238	0.245	0.252	0.247	0.242	0.224	0.207	0.179	0.150	0.114	0.078	0.039	0.000
FINAL CAMBER	↑	0	3/16"	5/16"	7/16"	1/2"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	11/16"	11/16"	9/16"	9/16"	7/16"	3/8"	1/4"	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 E																					
	GIRDERS EG3 & EG4																					
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	0.035	0.069	0.103	0.136	0.163	0.190	0.207	0.225	0.232	0.238	0.233	0.228	0.212	0.195	0.169	0.142	0.108	0.074	0.037	0.000
FINAL CAMBER	↑	0	3/16"	3/8"	1/2"	5/8"	3/4"	13/16"	7/8"	7/8"	15/16"	15/16"	15/16"	7/8"	13/16"	11/16"	11/16"	1/2"	7/16"	5/16"	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).

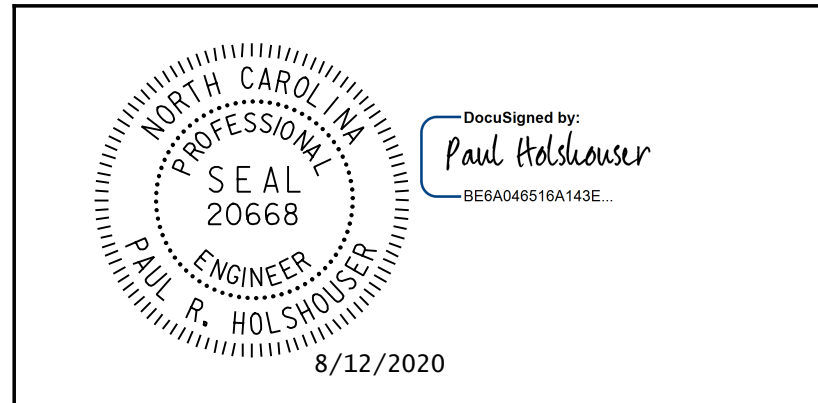
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN E																					
	GIRDERS EG5 THRU EG8																					
TWENTIETH POINTS	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	
CAMBER (GIRDER ALONE 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	0.042	0.085	0.125	0.166	0.199	0.232	0.253	0.275	0.283	0.291	0.285	0.279	0.258	0.238	0.206	0.174	0.132	0.090	0.045	0.000
FINAL CAMBER	↑	0	1/16"	3/16"	1/4"	1/4"	5/16"	1/4"	5/16"	5/16"	5/16"	1/4"	5/16"	1/4"	1/4"	3/16"	3/16"	1/8"	1/8"	1/16"	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).

PROJECT NO. 48793.3.1
BLADEN COUNTY
 STATION: 118+81.78 -L-
 SHEET 6 OF 10

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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



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STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH						SHEET NO. S-45	
SUPERSTRUCTURE GIRDER DEFLECTIONS AND CAMBER						TOTAL SHEETS 107	
REVISIONS							
NO.	BY:	DATE:	NO.	BY:	DATE:		
1			3				
2			4				

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**