

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN F																					
	GIRDERS FG5 THRU FG8																					
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	0.044	0.086	0.127	0.163	0.196	0.224	0.246	0.262	0.272	0.272	0.262	0.246	0.224	0.196	0.163	0.127	0.086	0.044	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.040	0.080	0.117	0.155	0.183	0.212	0.230	0.248	0.254	0.260	0.253	0.245	0.226	0.207	0.178	0.149	0.112	0.076	0.038	0.000
FINAL CAMBER	↑	0	1/16"	1/16"	1/8"	1/8"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	1/4"	3/16"	1/4"	3/16"	3/16"	3/16"	3/16"	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 F																					
	GIRDER FG9																					
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	0.044	0.086	0.127	0.163	0.196	0.224	0.246	0.262	0.272	0.272	0.262	0.246	0.224	0.196	0.163	0.127	0.086	0.044	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.039	0.078	0.114	0.150	0.178	0.206	0.223	0.241	0.246	0.252	0.245	0.238	0.220	0.201	0.173	0.145	0.109	0.074	0.037	0.000
FINAL CAMBER	↑	0	1/16"	1/8"	3/16"	3/16"	3/16"	3/16"	1/4"	1/4"	5/16"	1/4"	5/16"	5/16"	5/16"	1/4"	1/4"	1/4"	3/16"	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 G																					
	GIRDER GG1																					
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	0.044	0.086	0.126	0.163	0.196	0.223	0.245	0.261	0.271	0.274	0.271	0.261	0.245	0.223	0.196	0.163	0.126	0.086	0.044	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.029	0.058	0.086	0.114	0.136	0.159	0.173	0.188	0.193	0.198	0.193	0.188	0.173	0.159	0.136	0.114	0.086	0.058	0.029	0.000
FINAL CAMBER	↑	0	3/16"	5/16"	1/2"	9/16"	11/16"	3/4"	7/8"	7/8"	15/16"	15/16"	15/16"	7/8"	7/8"	3/4"	11/16"	9/16"	1/2"	5/16"	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).

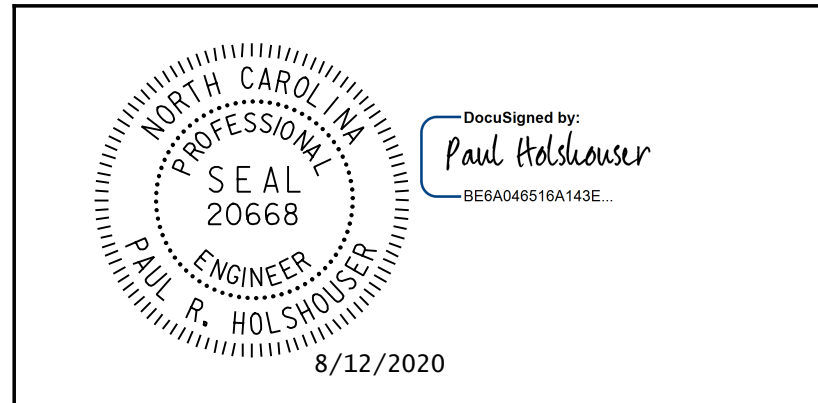
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN G																					
	GIRDER GG2																					
TWENTIETH POINTS	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.044	0.086	0.126	0.163	0.196	0.223	0.245	0.261	0.271	0.274	0.271	0.261	0.245	0.223	0.196	0.163	0.126	0.086	0.044	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.028	0.056	0.083	0.111	0.132	0.154	0.168	0.182	0.187	0.192	0.187	0.182	0.168	0.154	0.132	0.111	0.083	0.056	0.028	0.000
FINAL CAMBER	↑	0	3/16"	3/8"	1/2"	5/8"	3/4"	13/16"	15/16"	15/16"	1"	1"	1"	15/16"	15/16"	13/16"	3/4"	5/8"	1/2"	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).

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

SHEET 8 OF 10

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

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 File name: R:\Projects\19-77 Division 6 On Call\02 US 701 over Cape Fear River\NC00T\Structures\Dwg\Final\401_047_US_701_SWL_DL_08.dgn
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