

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																								
0.6" Ø LOW RELAXATION STRANDS	SPAN H																							
	GIRDER HG2																							
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	0.195	0.223	0.245	0.261	0.270	0.274	0.270	0.261	0.245	0.223	0.195	0.163	0.126	0.086	0.044	0.000		
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.031	0.063	0.093	0.123	0.147	0.172	0.188	0.203	0.209	0.215	0.210	0.206	0.191	0.176	0.152	0.128	0.097	0.066	0.033	0.000		
FINAL CAMBER	↑	0	1/8"	1/4"	3/8"	1/2"	5/16"	3/8"	1/2"	5/8"	1 1/16"	1 1/16"	3/4"	1 1/16"	1 1/16"	1 1/16"	5/8"	3/4"	1/2"	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 H																					
	GIRDERS HG3 & HG4																					
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	0.195	0.223	0.245	0.261	0.270	0.274	0.270	0.261	0.245	0.223	0.195	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	0.199	0.194	0.190	0.176	0.163	0.140	0.118	0.090	0.061	0.031	0.000
FINAL CAMBER	↑	0	3/16"	5/16"	1/2"	9/16"	1 1/16"	3/4"	7/8"	7/8"	1 5/16"	7/8"	1 5/16"	7/8"	1 3/16"	3/4"	5/8"	9/16"	7/16"	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 H																					
	GIRDERS HG5 THRU HG8																					
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	0.195	0.223	0.245	0.261	0.270	0.274	0.270	0.261	0.245	0.223	0.195	0.163	0.126	0.086	0.044	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.037	0.074	0.109	0.145	0.173	0.202	0.221	0.239	0.246	0.253	0.247	0.242	0.224	0.207	0.178	0.150	0.114	0.078	0.039	0.000
FINAL CAMBER	↑	0	1/16"	1/8"	3/16"	3/16"	1/4"	1/4"	5/16"	1/4"	5/16"	1/4"	1/4"	1/4"	1/4"	3/16"	3/16"	1/8"	1/8"	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).

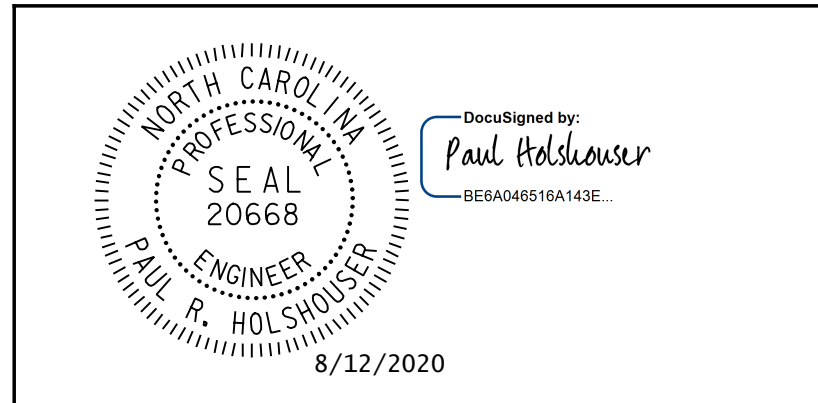
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN H																					
	GIRDER HG9																					
TWENTIETH POINTS	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.044	0.086	0.126	0.163	0.195	0.223	0.245	0.261	0.270	0.274	0.270	0.261	0.245	0.223	0.195	0.163	0.126	0.086	0.044	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.035	0.070	0.104	0.137	0.164	0.192	0.209	0.227	0.233	0.240	0.235	0.229	0.213	0.196	0.169	0.143	0.108	0.074	0.037	0.000
FINAL CAMBER	↑	0	1/8"	3/16"	1/4"	5/16"	3/8"	3/8"	7/16"	7/16"	7/16"	7/16"	7/16"	3/8"	3/8"	5/16"	5/16"	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).

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

SHEET 10 OF 10

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



ICE of Carolinas, PLLC
4505 Falls of Neuse Road, Suite 110
Raleigh, North Carolina 27609
Phone: 919-822-0333
License #: P-0999

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-49
1			3			TOTAL SHEETS
2			4			107

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Pen Table: \\192.168.64.12\ncerdur\RDUCAD\Plotting\Pen Tables\ICE_NC_Struct.tbl
 Print Driver: \\192.168.64.12\ncerdur\RDUCAD\Plotting\NGD0T\22x34_PDF-ICE.pltcfq
 Username: jim.austin
 File name: R:\Projects\19-77 Division 6 On Call\02 US 701 over Cape Fear River\NC00T\Structures\Dwgs\Final\401_049_US_701_SWL_DL_10.dgn
 Plot Date: 8/11/2020 10:08:43 PM

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