

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN G																					
	GIRDERS GG3 & GG4																					
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	0.026	0.052	0.077	0.101	0.121	0.141	0.154	0.167	0.171	0.176	0.171	0.167	0.154	0.141	0.121	0.102	0.077	0.052	0.026	0.000
FINAL CAMBER	↑	0	3/16"	7/16"	5/8"	3/4"	7/8"	1"	1 1/16"	1 1/8"	1 3/16"	1 3/16"	1 3/16"	1 1/8"	1 1/16"	1"	7/8"	3/4"	9/16"	7/16"	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 GG5 THRU GG8																					
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	0.033	0.067	0.099	0.131	0.156	0.182	0.199	0.215	0.221	0.226	0.221	0.215	0.199	0.182	0.156	0.131	0.099	0.067	0.033	0.000
FINAL CAMBER	↑	0	1/8"	1/4"	5/16"	3/8"	1/2"	1/2"	9/16"	9/16"	5/8"	9/16"	5/8"	9/16"	9/16"	1/2"	1/2"	3/8"	5/16"	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 G																					
	GIRDER GG9																					
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	0.031	0.063	0.093	0.124	0.148	0.172	0.187	0.203	0.208	0.214	0.208	0.203	0.187	0.172	0.148	0.124	0.093	0.063	0.031	0.000
FINAL CAMBER	↑	0	1/8"	1/4"	3/8"	1/2"	9/16"	5/8"	1 1/16"	1 1/16"	3/4"	3/4"	3/4"	1 1/16"	1 1/16"	5/8"	9/16"	1/2"	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).

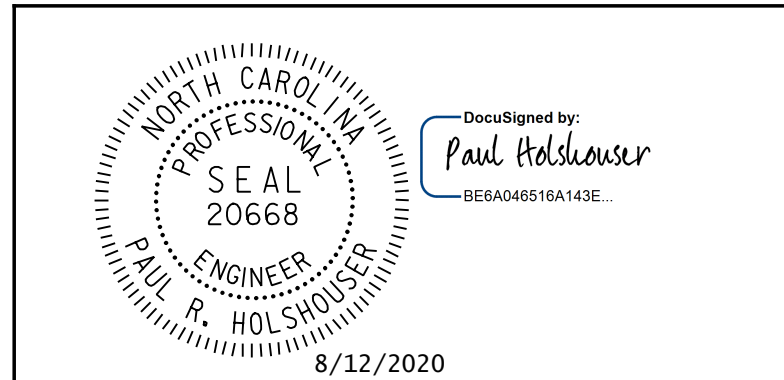
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN H																					
	GIRDER HG1																					
TWENTIETH POINTS	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	
CAMBER (GIRDER ALONE IN PLACE)	↑	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	0.032	0.064	0.095	0.126	0.150	0.175	0.191	0.208	0.214	0.220	0.215	0.210	0.195	0.179	0.155	0.131	0.099	0.068	0.034	0.000
FINAL CAMBER	↑	0	1/8"	1/4"	3/8"	7/16"	9/16"	5/8"	5/8"	1 1/16"	5/8"	1 1/16"	5/8"	5/8"	1/2"	1/2"	3/8"	5/16"	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).

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

SHEET 9 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:	
1			3			S-48
2			4			TOTAL SHEETS 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_048_US_701_SWL_DL_09.dgn
 Plot Head: 8/11/2020 10:08:42 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