

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN A																					
	GIRDER AG9																					
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	0.025	0.050	0.073	0.094	0.113	0.128	0.141	0.150	0.156	0.158	0.156	0.150	0.141	0.128	0.113	0.094	0.073	0.050	0.025	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.018	0.035	0.051	0.068	0.081	0.093	0.101	0.109	0.112	0.114	0.111	0.108	0.099	0.091	0.078	0.065	0.049	0.033	0.017	0.000
FINAL CAMBER	↑	0	1/16"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	1/2"	9/16"	1/2"	9/16"	1/2"	1/2"	7/16"	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 B																					
	GIRDER BG1																					
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	0.030	0.059	0.088	0.116	0.139	0.162	0.176	0.190	0.195	0.200	0.195	0.189	0.175	0.160	0.137	0.115	0.087	0.058	0.029	0.000
FINAL CAMBER	↑	0	3/16"	5/16"	7/16"	9/16"	1 1/16"	3/4"	13/16"	7/8"	15/16"	7/8"	15/16"	7/8"	13/16"	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 B																					
	GIRDER BG2																					
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	0.187	0.191	0.196	0.191	0.186	0.172	0.157	0.135	0.113	0.085	0.057	0.029	0.000
FINAL CAMBER	↑	0	3/16"	5/16"	1/2"	9/16"	1 1/16"	3/4"	7/8"	7/8"	15/16"	15/16"	15/16"	7/8"	7/8"	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).

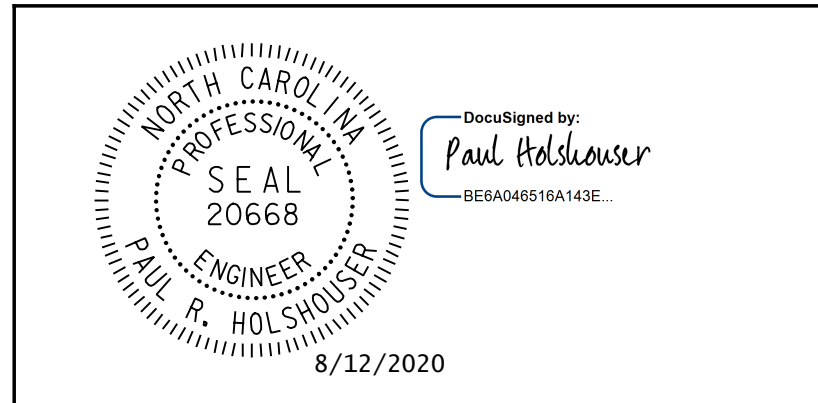
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN B																					
	GIRDERS BG3 & BG4																					
TWENTIETH POINTS	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	
CAMBER (GIRDER ALONE IN 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	0.027	0.053	0.078	0.104	0.124	0.144	0.157	0.169	0.174	0.178	0.173	0.169	0.156	0.143	0.122	0.102	0.077	0.052	0.026	0.000
FINAL CAMBER	↑	0	3/16"	3/8"	9/16"	1 1/16"	7/8"	15/16"	1 1/16"	1 1/8"	1 3/16"	1 1/8"	1 3/16"	1 1/8"	1 1/4"	1 5/16"	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).

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

SHEET 2 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-41
1			3			TOTAL SHEETS
2			4			107

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UNLESS ALL SIGNATURES COMPLETED

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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