

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN A																					
	GIRDER AG1																					
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	0.016	0.032	0.047	0.062	0.074	0.085	0.093	0.100	0.102	0.104	0.101	0.099	0.091	0.083	0.071	0.059	0.045	0.030	0.015	0.000
FINAL CAMBER	↑	0	1/8"	3/16"	5/16"	3/8"	1/2"	1/2"	9/16"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	9/16"	1/2"	7/16"	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 A																					
	GIRDER AG2																					
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	0.016	0.031	0.046	0.061	0.072	0.084	0.091	0.098	0.100	0.103	0.100	0.097	0.089	0.081	0.070	0.058	0.044	0.030	0.015	0.000
FINAL CAMBER	↑	0	1/8"	1/4"	5/16"	3/8"	1/2"	1/2"	5/8"	5/8"	11/16"	11/16"	11/16"	5/8"	5/8"	9/16"	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 A																					
	GIRDERS AG3 & AG4																					
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	0.015	0.029	0.043	0.056	0.067	0.078	0.084	0.091	0.093	0.095	0.092	0.090	0.083	0.076	0.065	0.054	0.041	0.027	0.014	0.000
FINAL CAMBER	↑	0	1/8"	1/4"	3/8"	7/16"	9/16"	5/8"	11/16"	11/16"	3/4"	3/4"	3/4"	3/4"	11/16"	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).

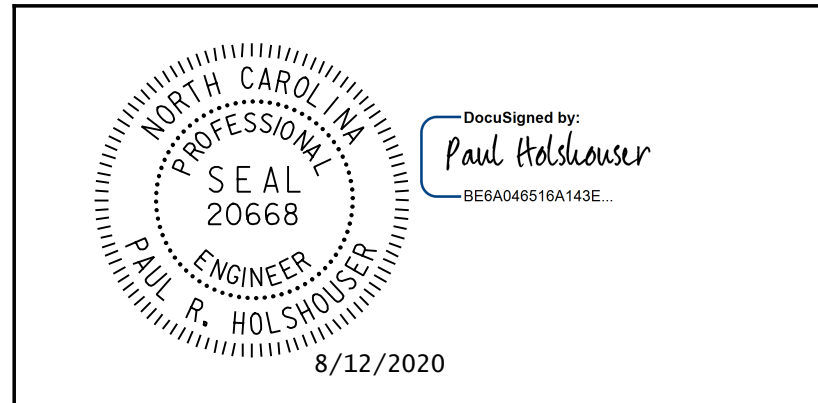
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN A																					
	GIRDERS AG5 THRU AG8																					
TWENTIETH POINTS	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	
CAMBER (GIRDER ALONE 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	0.037	0.054	0.071	0.085	0.098	0.107	0.115	0.118	0.120	0.117	0.114	0.105	0.096	0.082	0.069	0.052	0.035	0.017	0.000
FINAL CAMBER	↑	0	1/16"	3/16"	1/4"	1/4"	5/16"	3/8"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	3/8"	3/8"	5/16"	1/4"	3/16"	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 1 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-40
1			3			TOTAL SHEETS
2			4			107

DOCUMENT NOT CONSIDERED FINAL
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