

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS	SPAN E																					
	GIRDER EG9																					
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	0.050	0.098	0.144	0.186	0.224	0.255	0.280	0.299	0.310	0.314	0.310	0.299	0.280	0.255	0.224	0.186	0.144	0.098	0.050	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.041	0.082	0.122	0.161	0.193	0.225	0.246	0.267	0.275	0.283	0.276	0.270	0.251	0.231	0.200	0.168	0.128	0.088	0.044	0.000
FINAL CAMBER	↑	0	1/8"	3/16"	1/4"	5/16"	3/8"	3/8"	7/16"	3/8"	7/16"	3/8"	3/8"	3/8"	3/8"	5/16"	5/16"	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 FG1																					
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	0.275	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	0.037	0.073	0.107	0.140	0.166	0.193	0.209	0.225	0.230	0.235	0.229	0.223	0.205	0.188	0.161	0.135	0.102	0.069	0.034	0.000
FINAL CAMBER	↑	0	1/16"	1/8"	1/4"	1/4"	3/8"	3/8"	7/16"	7/16"	1/2"	1/2"	1/2"	1/2"	1/2"	7/16"	7/16"	5/16"	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 F																					
	GIRDER FG2																					
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	0.275	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	0.035	0.070	0.102	0.134	0.159	0.184	0.200	0.215	0.220	0.225	0.219	0.213	0.196	0.180	0.154	0.129	0.097	0.066	0.033	0.000
FINAL CAMBER	↑	0	1/8"	3/16"	5/16"	3/8"	7/16"	1/2"	9/16"	9/16"	5/8"	5/8"	5/8"	9/16"	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 F																					
	GIRDERS FG3 & FG4																					
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	0.275	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	0.033	0.066	0.096	0.127	0.150	0.174	0.189	0.204	0.208	0.213	0.207	0.201	0.185	0.170	0.146	0.122	0.092	0.062	0.031	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"	13/16"	3/4"	3/4"	5/8"	5/8"	1/2"	7/16"	5/16"	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 ).

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

SHEET 7 OF 10

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUPERSTRUCTURE GIRDER DEFLECTIONS AND CAMBER					
REVISIONS					SHEET NO. S-46
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
TOTAL SHEETS 107					

DocuSigned by:  
**Paul Holshouser**  
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