

K:\BIDI-Structures\Bridges\NC\011036491 - B-5156\Coord\09\B5156\_SML\DLI\_700028.dgn

### DEAD LOAD DEFLECTION TABLE FOR GIRDERS

		SPAN A																				
		GIRDER AG1 AND AG4																				
		BRG.	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	BRG.
TWENTIETH POINTS																						
CAMBER (GIRDER ALONE IN PLACE)		↑	0.000	0.010	0.020	0.029	0.037	0.044	0.051	0.056	0.059	0.062	0.062	0.059	0.056	0.051	0.044	0.037	0.029	0.020	0.010	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.		↓	0.000	0.002	0.004	0.005	0.007	0.009	0.010	0.011	0.012	0.012	0.012	0.012	0.011	0.010	0.009	0.007	0.005	0.004	0.002	0.000
FINAL CAMBER		↑	0	1/8"	3/16"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	9/16"	5/8"	9/16"	9/16"	1/2"	7/16"	3/8"	5/16"	3/16"	1/8"	0

		SPAN B																				
		GIRDERS AG2 AND AG3																				
		BRG.	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	BRG.
TWENTIETH POINTS																						
CAMBER (GIRDER ALONE IN PLACE)		↑	0.000	0.010	0.020	0.029	0.037	0.044	0.051	0.056	0.059	0.062	0.062	0.059	0.056	0.051	0.044	0.037	0.029	0.020	0.010	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.		↓	0.000	0.002	0.004	0.006	0.008	0.010	0.011	0.012	0.014	0.014	0.014	0.014	0.013	0.012	0.010	0.008	0.006	0.004	0.002	0.000
FINAL CAMBER		↑	0	1/8"	3/16"	1/4"	3/8"	7/16"	1/2"	1/2"	9/16"	9/16"	9/16"	9/16"	1/2"	1/2"	7/16"	3/8"	1/4"	3/16"	1/8"	0

\* INCLUDES FUTURE WEARING SURFACE.  
ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).

### DEAD LOAD DEFLECTION TABLE FOR GIRDERS

		SPAN B																					
		GIRDER BG1 AND BG4																					
		BRG.	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	BRG.	
TWENTIETH POINTS																							
CAMBER (GIRDER ALONE IN PLACE)		↑	0.000	0.010	0.020	0.030	0.038	0.046	0.052	0.057	0.061	0.063	0.064	0.063	0.061	0.057	0.052	0.046	0.038	0.030	0.020	0.010	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.		↓	0.000	0.002	0.004	0.006	0.008	0.010	0.011	0.012	0.013	0.013	0.014	0.013	0.013	0.012	0.011	0.010	0.008	0.006	0.004	0.002	0.000
FINAL CAMBER		↑	0	1/8"	3/16"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	5/8"	5/8"	9/16"	9/16"	1/2"	7/16"	3/8"	5/16"	3/16"	1/8"	0	

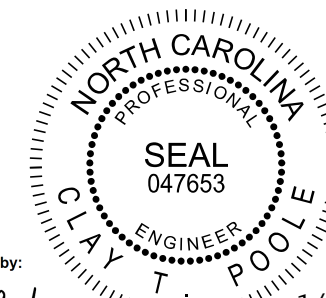
  

		SPAN B																					
		GIRDERS BG2 AND BG3																					
		BRG.	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	BRG.	
TWENTIETH POINTS																							
CAMBER (GIRDER ALONE IN PLACE)		↑	0.000	0.010	0.020	0.030	0.038	0.046	0.052	0.057	0.061	0.063	0.064	0.063	0.061	0.057	0.052	0.046	0.038	0.030	0.020	0.010	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.		↓	0.000	0.002	0.004	0.007	0.009	0.011	0.012	0.014	0.015	0.015	0.015	0.015	0.015	0.014	0.012	0.011	0.009	0.007	0.004	0.002	0.000
FINAL CAMBER		↑	0	1/8"	3/16"	5/16"	3/8"	7/16"	1/2"	1/2"	9/16"	9/16"	9/16"	9/16"	1/2"	1/2"	7/16"	3/8"	5/16"	3/16"	1/8"	0	

\* INCLUDES FUTURE WEARING SURFACE.  
ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).

PROJECT NO. B-5156  
PENDER COUNTY  
 STATION: 22+90.50 -L-

SHEET 1 OF 2



Documented by:  
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 1/10/2024

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STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE

**GIRDER DEFLECTION  
 AND CAMBER SCHEDULES**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-22
1			3			TOTAL SHEETS
2			4			45

DRAWN BY: D. D. LOWERY DATE: 03/2023  
 CHECKED BY: A. L. PHILLIPS DATE: 03/2023  
 DESIGN ENGINEER OF RECORD: C. T. POOLE DATE: 03/2023

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