

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" Ø LOW RELAXATION	SPAN C																				
	GIRDERS 1 & 4																				
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.008	0.016	0.024	0.031	0.037	0.042	0.047	0.050	0.052	0.052	0.052	0.050	0.047	0.042	0.037	0.031	0.024	0.016	0.008	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.003	0.006	0.009	0.012	0.015	0.017	0.018	0.020	0.020	0.021	0.020	0.020	0.018	0.017	0.015	0.012	0.009	0.006	0.003	0
FINAL CAMBER ↑	0	1/16"	1/8"	3/16"	1/4"	1/4"	5/16"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	5/16"	1/4"	1/4"	3/16"	1/8"	1/16"	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																					
0.6" Ø LOW RELAXATION	SPAN C																				
	GIRDERS 2 & 3																				
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.008	0.016	0.024	0.031	0.037	0.042	0.047	0.050	0.052	0.052	0.052	0.050	0.047	0.042	0.037	0.031	0.024	0.016	0.008	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.004	0.007	0.010	0.013	0.016	0.018	0.020	0.022	0.022	0.023	0.022	0.022	0.020	0.018	0.016	0.013	0.010	0.007	0.004	0
FINAL CAMBER ↑	0	1/16"	1/8"	3/16"	3/16"	1/4"	5/16"	5/16"	5/16"	3/8"	3/8"	3/8"	5/16"	5/16"	5/16"	1/4"	3/16"	3/16"	1/8"	1/16"	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-5981**  
**DUPLIN** COUNTY  
STATION: **23+56.64 -L-**

SHEET 3 OF 3



DocuSigned by:  
William C. Smith  
10/24/2023

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
SUPERSTRUCTURE  
**DEAD LOAD DEFLECTIONS**  
(SPAN C)

DRAWN BY : K. BEARD DATE : 5/9/22  
CHECKED BY : D. SHACKELFORD DATE : 5/19/22  
DESIGN ENGINEER OF RECORD: W.C. SMITH DATE : 3/8/23

10/18/2023  
R:\Structures\Plans\300016\401\_043.B5981.SMU.DL.S1-22.300016.dgn  
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DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: 43