

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" ø LOW RELAXATION	SPAN B																				
	GIRDERS 1 & 4																				
	FORTIETH POINTS	0	.025	.050	.075	.100	.125	.150	.175	.200	.225	.250	.275	.300	.325	.350	.375	.400	.425	.450	.475
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.027	0.054	0.080	0.106	0.131	0.156	0.179	0.201	0.222	0.241	0.259	0.275	0.290	0.302	0.313	0.322	0.329	0.334	0.337	0.338
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.023	0.045	0.067	0.088	0.109	0.129	0.149	0.167	0.184	0.200	0.215	0.229	0.241	0.251	0.260	0.268	0.274	0.278	0.281	0.281
FINAL CAMBER ↑	0	1/16"	1/8"	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	7/16"	1/2"	1/2"	9/16"	9/16"	5/8"	5/8"	5/8"	11/16"	11/16"	11/16"	11/16"
0.6" ø LOW RELAXATION	SPAN B																				
	GIRDERS 1 & 4																				
	FORTIETH POINTS	.525	.550	.575	.600	.625	.650	.675	.700	.725	.750	.775	.800	.825	.850	.875	.900	.925	.950	.975	1.00
CAMBER (GIRDER ALONE IN PLACE) ↑	0.337	0.334	0.329	0.322	0.313	0.302	0.290	0.275	0.259	0.241	0.222	0.201	0.179	0.156	0.131	0.106	0.080	0.054	0.027	0	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.281	0.278	0.274	0.268	0.260	0.251	0.241	0.229	0.215	0.200	0.184	0.167	0.149	0.129	0.109	0.088	0.067	0.045	0.023	0	
FINAL CAMBER ↑	1 1/16"	1 1/16"	1 1/16"	5/8"	5/8"	5/8"	9/16"	9/16"	1/2"	1/2"	7/16"	7/16"	3/8"	5/16"	1/4"	3/16"	1/8"	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 B																				
	GIRDERS 2 & 3																				
	FORTIETH POINTS	0	.025	.050	.075	.100	.125	.150	.175	.200	.225	.250	.275	.300	.325	.350	.375	.400	.425	.450	.475
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.027	0.054	0.080	0.106	0.131	0.156	0.179	0.201	0.222	0.241	0.259	0.275	0.290	0.302	0.313	0.322	0.329	0.334	0.337	0.338
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.025	0.049	0.073	0.097	0.119	0.142	0.163	0.183	0.201	0.219	0.235	0.250	0.263	0.274	0.284	0.292	0.298	0.303	0.306	0.307
FINAL CAMBER ↑	0	0	1/16"	1/16"	1/8"	1/8"	3/16"	3/16"	3/16"	1/4"	1/4"	5/16"	5/16"	5/16"	5/16"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
0.6" ø LOW RELAXATION	SPAN B																				
	GIRDERS 2 & 3																				
	FORTIETH POINTS	.525	.550	.575	.600	.625	.650	.675	.700	.725	.750	.775	.800	.825	.850	.875	.900	.925	.950	.975	1.00
CAMBER (GIRDER ALONE IN PLACE) ↑	0.337	0.334	0.329	0.322	0.313	0.302	0.290	0.275	0.259	0.241	0.222	0.201	0.179	0.156	0.131	0.106	0.080	0.054	0.027	0	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.306	0.303	0.298	0.292	0.284	0.274	0.263	0.250	0.235	0.219	0.201	0.183	0.163	0.142	0.119	0.097	0.073	0.049	0.025	0	
FINAL CAMBER ↑	3/8"	3/8"	3/8"	3/8"	3/8"	5/16"	5/16"	5/16"	5/16"	1/4"	1/4"	3/16"	3/16"	3/16"	1/8"	1/8"	1/16"	1/16"	0	0	

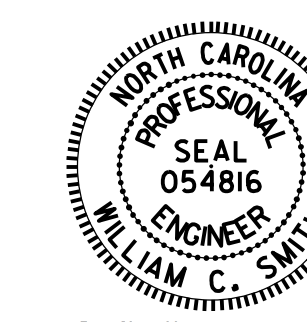
\* INCLUDES FUTURE WEARING SURFACE  
ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).

PROJECT NO. **B-5981**

**DUPLIN** COUNTY

STATION: **23+56.64 -L-**

SHEET 2 OF 3



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

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUPERSTRUCTURE

**DEAD LOAD DEFLECTIONS**

(SPAN B)

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

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

DRAWN BY : K. BEARD DATE : 5/11/22  
CHECKED BY : D. SHACKELFORD DATE : 5/19/22  
DESIGN ENGINEER OF RECORD : W.C. SMITH DATE : 3/8/23