

DEAD LOAD DEFLECTION TABLE FOR GIRDERS - SPAN A																							
0.6" Ø LOW RELAXATION		GIRDER 1																					
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	1.0	
CAMBER ( GIRDER ALONE IN PLACE )		↑	0.000	0.022	0.043	0.063	0.081	0.097	0.111	0.122	0.130	0.135	0.136	0.135	0.130	0.122	0.111	0.097	0.081	0.063	0.043	0.022	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.		↓	0.000	0.011	0.022	0.033	0.044	0.052	0.061	0.066	0.071	0.073	0.075	0.072	0.070	0.065	0.059	0.051	0.042	0.032	0.021	0.011	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"	11/16"	11/16"	5/8"	9/16"	7/16"	3/8"	1/4"	1/8"	0"
0.6" Ø LOW RELAXATION		GIRDER 2																					
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	1.0	
CAMBER ( GIRDER ALONE IN PLACE )		↑	0.000	0.022	0.043	0.063	0.081	0.097	0.111	0.122	0.130	0.135	0.136	0.135	0.130	0.122	0.111	0.097	0.081	0.063	0.043	0.022	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.		↓	0.000	0.013	0.025	0.037	0.050	0.059	0.069	0.074	0.080	0.082	0.084	0.082	0.080	0.074	0.067	0.058	0.048	0.036	0.024	0.012	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"	5/8"	5/8"	9/16"	1/2"	1/2"	3/8"	5/16"	1/4"	1/8"	0"
0.6" Ø LOW RELAXATION		GIRDER 3																					
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	1.0	
CAMBER ( GIRDER ALONE IN PLACE )		↑	0.000	0.022	0.043	0.063	0.081	0.097	0.111	0.122	0.130	0.135	0.136	0.135	0.130	0.122	0.111	0.097	0.081	0.063	0.043	0.022	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.		↓	0.000	0.012	0.025	0.037	0.049	0.058	0.068	0.074	0.080	0.081	0.083	0.081	0.079	0.073	0.067	0.057	0.048	0.036	0.024	0.012	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"	5/8"	5/8"	9/16"	9/16"	1/2"	3/8"	5/16"	1/4"	1/8"	0"
0.6" Ø LOW RELAXATION		GIRDERS 4, 5, & 6																					
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	1.0	
CAMBER ( GIRDER ALONE IN PLACE )		↑	0.000	0.022	0.043	0.063	0.081	0.097	0.111	0.122	0.130	0.135	0.136	0.135	0.130	0.122	0.111	0.097	0.081	0.063	0.043	0.022	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.		↓	0.000	0.012	0.025	0.036	0.048	0.058	0.067	0.073	0.079	0.080	0.082	0.080	0.078	0.072	0.066	0.057	0.047	0.036	0.024	0.012	0.000
FINAL CAMBER		↑	0"	1/8"	1/4"	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"	3/8"	5/16"	1/4"	1/8"	0"
0.6" Ø LOW RELAXATION		GIRDER 7																					
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	1.0	
CAMBER ( GIRDER ALONE IN PLACE )		↑	0.000	0.022	0.043	0.063	0.081	0.097	0.111	0.122	0.130	0.135	0.136	0.135	0.130	0.122	0.111	0.097	0.081	0.063	0.043	0.022	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.		↓	0.000	0.011	0.021	0.031	0.041	0.049	0.057	0.062	0.067	0.069	0.071	0.069	0.067	0.062	0.056	0.048	0.040	0.030	0.020	0.010	0.000
FINAL CAMBER		↑	0"	1/8"	1/4"	3/8"	1/2"	9/16"	5/8"	11/16"	3/4"	13/16"	13/16"	13/16"	3/4"	3/4"	5/8"	9/16"	1/2"	3/8"	1/4"	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).

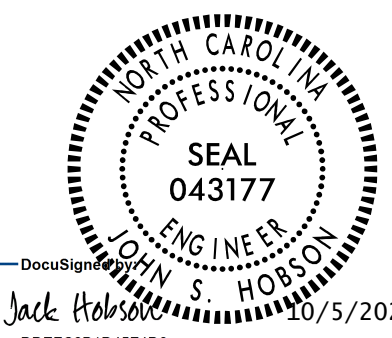
DEAD LOAD DEFLECTION TABLE FOR GIRDERS - SPAN B																							
0.6" Ø LOW RELAXATION		GIRDER 1																					
TWENTIETH POINTS		0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.0	
CAMBER ( GIRDER ALONE IN PLACE )		↑	0.000	0.025	0.048	0.071	0.092	0.110	0.126	0.138	0.147	0.153	0.154	0.153	0.147	0.138	0.126	0.110	0.092	0.071	0.048	0.025	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.		↓	0.000	0.012	0.024	0.036	0.048	0.057	0.067	0.073	0.079	0.081	0.083	0.081	0.079	0.073	0.067	0.057	0.048	0.036	0.024	0.012	0.000
FINAL CAMBER		↑	0"	1/8"	5/16"	7/16"	9/16"	5/8"	11/16"	13/16"	13/16"	7/8"	7/8"	7/8"	13/16"	13/16"	11/16"	5/8"	9/16"	7/16"	5/16"	1/8"	0"
0.6" Ø LOW RELAXATION		GIRDERS 2, 3, 4, 5, & 6																					
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	1.0	
CAMBER ( GIRDER ALONE IN PLACE )		↑	0.000	0.025	0.048	0.071	0.092	0.110	0.126	0.138	0.147	0.153	0.154	0.153	0.147	0.138	0.126	0.110	0.092	0.071	0.048	0.025	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.		↓	0.000	0.014	0.028	0.042	0.055	0.066	0.077	0.084	0.091	0.094	0.096	0.094	0.091	0.084	0.077	0.066	0.055	0.042	0.028	0.014	0.000
FINAL CAMBER		↑	0"	1/8"	1/4"	3/8"	7/16"	1/2"	9/16"	5/8"	11/16"	11/16"	11/16"	11/16"	11/16"	5/8"	9/16"	1/2"	7/16"	3/8"	1/4"	1/8"	0"
0.6" Ø LOW RELAXATION		GIRDER 7																					
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	1.0	
CAMBER ( GIRDER ALONE IN PLACE )		↑	0.000	0.025	0.048	0.071	0.092	0.110	0.126	0.138	0.147	0.153	0.154	0.153	0.147	0.138	0.126	0.110	0.092	0.071	0.048	0.025	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.		↓	0.000	0.012	0.023	0.035	0.046	0.055	0.065	0.071	0.077	0.079	0.081	0.079	0.077	0.071	0.065	0.055	0.046	0.035	0.023	0.012	0.000
FINAL CAMBER		↑	0"	1/8"	5/16"	7/16"	9/16"	5/8"	3/4"	13/16"	7/8"	7/8"	7/8"	7/8"	7/8"	13/16"	3/4"	5/8"	9/16"	7/16"	5/16"	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).

DRAWN BY : J.S. HOBSON DATE : 05/17/23  
 CHECKED BY : C.C. CAMPBELL DATE : 06/19/23  
 DESIGN ENGINEER OF RECORD : J.S. HOBSON DATE : 08/30/23



111 E. Hargett Street  
Suite 300  
Raleigh, NC 27601  
919-714-8670  
meadhunt.com  
NC License No. F-1235



DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

PROJECT NO. U-5808  
UNION COUNTY  
 STATION: 55+00.96 -L2-

SHEET 1 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUPERSTRUCTURE					
DEAD LOAD DEFLECTION AND CAMBER TABLES					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					TOTAL SHEETS
					56