

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

0.6" Ø CFRP STRANDS		SPAN H																																									
		GIRDER 1																																									
FORTIETH POINTS		0.000	0.025	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.575	0.600	0.625	0.650	0.675	0.700	0.725	0.750	0.775	0.800	0.825	0.850	0.875	0.900	0.925	0.950	0.975	0.000	
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.046	0.091	0.137	0.182	0.212	0.243	0.273	0.303	0.322	0.342	0.361	0.381	0.391	0.401	0.412	0.422	0.426	0.429	0.432	0.435	0.432	0.429	0.426	0.422	0.412	0.401	0.391	0.381	0.361	0.342	0.322	0.303	0.273	0.243	0.212	0.182	0.137	0.091	0.046	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.019	0.038	0.057	0.076	0.094	0.112	0.129	0.147	0.161	0.174	0.188	0.202	0.211	0.220	0.228	0.237	0.240	0.243	0.246	0.249	0.246	0.243	0.240	0.237	0.228	0.220	0.211	0.202	0.188	0.174	0.161	0.147	0.129	0.112	0.094	0.076	0.057	0.038	0.019	0.000	
FINAL CAMBER	↑	0	5/16"	5/8"	15/16"	1/4"	17/16"	19/16"	13/4"	17/8"	15/16"	2"	21/16"	27/8"	23/16"	23/16"	23/16"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	23/16"	23/16"	23/16"	27/8"	21/16"	2"	15/16"	17/8"	13/4"	19/16"	17/16"	11/4"	15/16"	5/8"	5/16"	0

0.6" Ø CFRP STRANDS		SPAN H																																										
		GIRDERS 2-4																																										
FORTIETH POINTS		0.000	0.025	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.575	0.600	0.625	0.650	0.675	0.700	0.725	0.750	0.775	0.800	0.825	0.850	0.875	0.900	0.925	0.950	0.975	0.000		
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.046	0.091	0.137	0.182	0.212	0.243	0.273	0.303	0.322	0.342	0.361	0.381	0.391	0.401	0.412	0.422	0.426	0.429	0.432	0.435	0.432	0.429	0.426	0.422	0.412	0.401	0.391	0.381	0.361	0.342	0.322	0.303	0.273	0.243	0.212	0.182	0.137	0.091	0.046	0.000		
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.020	0.039	0.059	0.078	0.096	0.114	0.133	0.151	0.165	0.179	0.193	0.207	0.216	0.225	0.234	0.243	0.247	0.250	0.253	0.256	0.253	0.250	0.247	0.243	0.234	0.225	0.216	0.207	0.193	0.179	0.165	0.151	0.133	0.114	0.096	0.078	0.059	0.039	0.020	0.000		
FINAL CAMBER	↑	0	5/16"	5/8"	15/16"	1/4"	17/16"	19/16"	11/16"	13/16"	17/8"	15/16"	2"	21/16"	27/8"	23/16"	23/16"	23/16"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	21/4"	0

0.6" Ø CFRP STRANDS		SPAN H																																										
		GIRDER 5																																										
FORTIETH POINTS		0.000	0.025	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.575	0.600	0.625	0.650	0.675	0.700	0.725	0.750	0.775	0.800	0.825	0.850	0.875	0.900	0.925	0.950	0.975	0.000		
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.046	0.091	0.137	0.182	0.212	0.243	0.273	0.303	0.322	0.342	0.361	0.381	0.391	0.401	0.412	0.422	0.426	0.429	0.432	0.435	0.432	0.429	0.426	0.422	0.412	0.401	0.391	0.381	0.361	0.342	0.322	0.303	0.273	0.243	0.212	0.182	0.137	0.091	0.046	0.000		
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.018	0.036	0.055	0.073	0.090	0.107	0.123	0.140	0.153	0.167	0.180	0.193	0.201	0.210	0.218	0.227	0.229	0.232	0.235	0.238	0.235	0.232	0.229	0.227	0.218	0.210	0.201	0.193	0.180	0.167	0.153	0.140	0.123	0.107	0.090	0.073	0.055	0.036	0.018	0.000		
FINAL CAMBER	↑	0	5/16"	11/16"	1"	15/16"	1/2"	15/8"	13/16"	15/16"	2"	27/8"	23/16"	21/4"	21/4"	25/16"	25/16"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	23/8"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

0.6" Ø CFRP STRANDS		SPAN I																																										
		GIRDER 1																																										
FORTIETH POINTS		0.000	0.025	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.575	0.600	0.625	0.650	0.675	0.700	0.725	0.750	0.775	0.800	0.825	0.850	0.875	0.900	0.925	0.950	0.975	0.000		
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.013	0.026	0.039	0.052	0.061	0.070	0.079	0.088	0.093	0.099	0.105	0.111	0.114	0.118	0.121	0.124	0.125	0.127	0.128	0.129	0.128	0.127	0.125	0.124	0.121	0.118	0.114	0.111	0.105	0.099	0.093	0.088	0.079	0.070	0.061	0.052	0.039	0.026	0.013	0.000		
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.004	0.007	0.011	0.015	0.019	0.022	0.026	0.029	0.032	0.035	0.038	0.040	0.042	0.044	0.046	0.048	0.049	0.050	0.050	0.050	0.049	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.000
FINAL CAMBER	↑	0	1/8"	1/4"	5/16"	7/16"	1/2"	9/16"	5/8"	11/16"	3/4"	3/4"	13/16"	7/8"	7/8"	7/8"	7/8"	7/8"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	0

0.6" Ø CFRP STRANDS		SPAN I																																										
		GIRDER 2																																										
FORTIETH POINTS		0.000	0.025	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.575	0.600	0.625	0.650	0.675	0.700	0.725	0.750	0.775	0.800	0.825	0.850	0.875	0.900	0.925	0.950	0.975	0.000		
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.013	0.026	0.038	0.051	0.060	0.068	0.077	0.085	0.091	0.097	0.103	0.109	0.113	0.116	0.119	0.123	0.124	0.125	0.126	0.127	0.126	0.125	0.124	0.123	0.119	0.116	0.113	0.109	0.103	0.097	0.091	0.085	0.077	0.068	0.060	0.051	0.038	0.026	0.013	0.000		
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.003	0.006	0.009	0.012	0.015	0.018	0.020	0.023	0.026	0.028	0.030	0.033	0.034	0.035	0.037	0.038	0.039	0.039	0.040	0.040	0.040	0.039	0.039	0.038	0.037	0.035	0.034	0.033	0.030	0.028	0.026	0.023	0.020	0.018	0.015	0.012	0.009	0.006	0.003	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"	7/8"	15/16"	15/16"	15/16"	1"	1"	1"	1"	15/16"	11/16"	11/16"	1"	1"	1"	1"	1"	1"	15/16"	15/16"	15/16"	7/8"	13/16"	13/16"	3/4"	11/16"	5/8"	9/16"	1/2"	3/8"	1/4"	1/8"	0

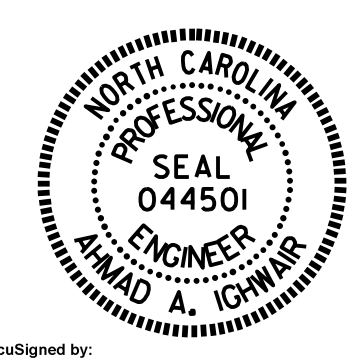
  

0.6" Ø CFRP STRANDS		SPAN I																																								
		GIRDERS 3-5																																								
FORTIETH POINTS		0.000	0.025	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.575	0.600	0.625	0.650	0.675	0.700	0.725	0.750	0.775	0.800	0.825	0.850	0.875	0.900	0.925	0.950	0.975	0.000
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.011	0.022	0.033	0.044	0.052	0.060	0.068	0.076	0.082	0.088	0.093	0.099	0.102	0.106	0.109	0.112	0.113	0.114	0.115	0.116	0.115	0.114	0.113	0.112	0.109	0.106	0.102	0.099	0.093	0.088	0.082	0.076	0.068	0.060	0.052	0.044	0.033	0.022	0.011	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.002	0.004	0.005	0.007	0.009	0.011	0.012	0.014	0.015	0.017	0.018	0.019	0.020	0.021	0.022	0.023	0.023	0.023	0.024	0.024	0.024	0.023	0.023	0.023	0.022	0.021	0.020	0.019	0.018	0.017	0.015	0.014	0.012	0.011	0.009	0.007	0.005	0.004	0.002	0.000
FINAL CAMBER	↑	0	1/8"	1/4"	5/16"	7/16"	1/2"	5/8"	11/16"	3/4"	13/16"	7/8"	15/16"	1"	1"	15/16"	11/16"	11/16"	11/16"	11/16"	11/8"	11/8"	11/8"	11/16"	11/16"	11/16"	11/16"	1"	1"	15/16"	7/8"	7/8"	13/16"	3/4"	11/16"	5/8"	1/2"	7/16"	5/16"	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).

PROJECT NO. B-4863  
CARTERET COUNTY  
STATION: 34+75.00 -L-

SHEET 2 OF 3



DocuSigned by:  
Ahmad Ighwair  
486480440555489  
4/16/2021

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
SUPERSTRUCTURE  
DEAD LOAD DEFLECTIONS

DRAWN BY : S. M. MATTA DATE : 04/2021  
CHECKED BY : A. A. IGHWAIR DATE : 04/2021  
DESIGN ENGINEER OF RECORD: A. A. IGHWAIR DATE : 04/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			S-099
2			4			194