

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN A

0.6" Ø LOW RELAXATION		GIRDERS 1 & 4																				
TWENTIETH POINTS		0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.007	0.013	0.019	0.024	0.029	0.033	0.036	0.039	0.040	0.041	0.040	0.039	0.036	0.033	0.029	0.024	0.019	0.013	0.007	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.003	0.007	0.010	0.013	0.015	0.018	0.019	0.021	0.021	0.022	0.021	0.021	0.019	0.018	0.015	0.013	0.010	0.007	0.003	0
FINAL CAMBER	↑	0	1/16"	1/16"	1/8"	1/8"	3/16"	3/16"	3/16"	1/4"	1/4"	1/4"	1/4"	1/4"	3/16"	3/16"	3/16"	1/8"	1/8"	1/16"	1/16"	0

GIRDERS 2 & 3

0.6" Ø LOW RELAXATION		GIRDERS 2 & 3																				
TWENTIETH POINTS		0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.007	0.013	0.019	0.024	0.029	0.033	0.036	0.039	0.040	0.041	0.040	0.039	0.036	0.033	0.029	0.024	0.019	0.013	0.007	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.004	0.008	0.011	0.015	0.018	0.020	0.022	0.024	0.024	0.025	0.024	0.024	0.022	0.020	0.018	0.015	0.011	0.008	0.004	0
FINAL CAMBER	↑	0	0	1/16"	1/16"	1/8"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	1/8"	1/8"	1/8"	1/16"	1/16"	0	0

SPAN B

0.6" Ø LOW RELAXATION		GIRDERS 1 & 4																				
TWENTIETH POINTS		0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.026	0.051	0.074	0.097	0.115	0.133	0.144	0.155	0.159	0.163	0.159	.155	0.144	0.133	0.115	0.097	0.074	.051	0.026	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.017	0.033	0.047	0.062	0.073	0.085	0.092	0.099	0.102	0.104	0.102	0.099	0.092	0.085	0.073	0.062	0.047	0.033	0.017	0
FINAL CAMBER	↑	0	1/8"	1/4"	5/16"	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"	5/16"	1/4"	1/8"	0

GIRDERS 2 & 3

0.6" Ø LOW RELAXATION		GIRDERS 2 & 3																				
TWENTIETH POINTS		0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.026	0.051	0.074	0.096	0.114	0.132	0.143	0.155	0.158	0.162	0.158	0.155	0.143	0.132	0.114	0.096	0.074	0.051	0.026	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.019	0.037	0.053	0.070	0.083	0.096	0.104	0.112	0.115	0.118	0.115	0.112	0.104	0.096	0.083	0.070	0.053	0.037	0.019	0
FINAL CAMBER	↑	0	1/16"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	1/2"	1/2"	9/16"	1/2"	1/2"	1/2"	7/16"	3/8"	5/16"	1/4"	3/16"	1/16"	0

SPAN C & D

0.6" Ø LOW RELAXATION		GIRDERS 1 & 4																				
TWENTIETH POINTS		0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.032	0.063	0.091	0.119	0.140	0.162	0.176	0.190	0.195	0.200	0.195	0.190	0.176	0.162	0.140	0.119	0.091	0.063	0.032	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.025	0.048	0.070	0.092	0.109	0.125	0.136	0.147	0.151	0.154	0.151	0.147	0.136	0.125	0.109	0.092	0.070	0.048	0.025	0
FINAL CAMBER	↑	0	1/16"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	1/2"	9/16"	9/16"	9/16"	1/2"	1/2"	7/16"	3/8"	5/16"	1/4"	3/16"	1/16"	0

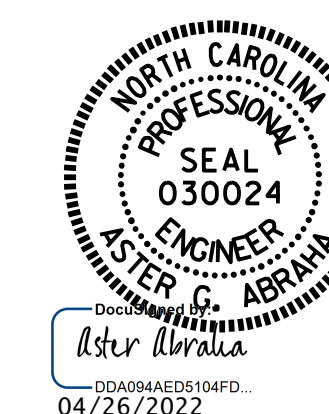
GIRDERS 2 & 3

0.6" Ø LOW RELAXATION		GIRDERS 2 & 3																				
TWENTIETH POINTS		0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.032	0.062	0.090	0.118	0.140	0.162	0.175	0.189	0.194	0.199	0.194	0.189	0.175	0.162	0.140	0.118	0.090	0.062	0.032	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.028	0.055	0.079	0.104	0.123	0.142	0.154	0.166	0.170	0.174	0.170	0.166	0.154	0.142	0.123	0.104	0.079	0.055	0.028	0
FINAL CAMBER	↑	0	1/16"	1/16"	1/8"	3/16"	3/16"	1/4"	1/4"	1/4"	5/16"	5/16"	5/16"	1/4"	1/4"	1/4"	3/16"	3/16"	1/8"	1/16"	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-5694
BLADEN COUNTY
STATION: 21+85.10 -L-

SHEET 6 OF 6



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
DEFLECTION TABLE

ASSEMBLED BY : A. Y. GODFREY DATE : 06/2020
CHECKED BY : G. AYES DATE : 01/2022
DESIGN ENGINEER OF RECORD : M. M. AHMED DATE : 08/2019

DRAWN BY : ELR 8/91 MAA/GM
CHECKED BY : GRP 8/91 MAA/TMG
REV. 10/1/11 MAA/THC
REV. 1/15
REV. 12/17

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-18
1			3			TOTAL SHEETS
2			4			37