

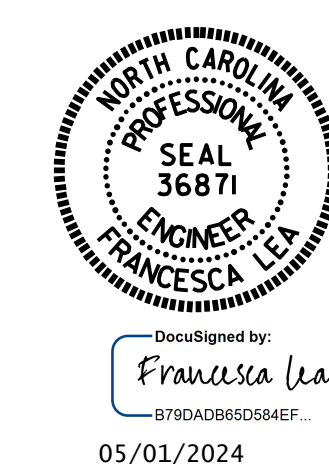
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
SPAN A																						
0.6"Ø LOW RELAXATION	GIRDERS 1 THRU 4																					
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0	
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.012	0.023	0.033	0.044	0.052	0.060	0.065	0.070	0.072	0.074	0.072	0.070	0.065	0.060	0.052	0.044	0.033	0.023	0.012	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.003	0.007	0.01	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	0.01	0.007	0.003	0
FINAL CAMBER	↑	0	1/8"	3/16"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	9/16"	5/8"	5/8"	9/16"	9/16"	1/2"	7/16"	3/8"	5/16"	3/16"	1/8"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																																										
SPAN B																																										
0.6"Ø LOW RELAXATION	GIRDERS 1 THRU 4																																									
FOURIETH POINTS	0	.025	.05	.075	.1	.125	.15	.175	.2	.225	.25	.275	.3	.325	.35	.375	.4	.425	.45	.475	.5	.525	.55	.575	.6	.625	.65	.675	.7	.725	.75	.775	.8	.825	.85	.875	.9	.925	.95	.975	0	
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.03	0.05	0.08	0.1	0.13	0.15	0.18	0.2	0.22	0.24	0.25	0.27	0.28	0.29	0.31	0.32	0.32	0.33	0.33	0.33	0.33	0.32	0.32	0.31	0.29	0.28	0.27	0.25	0.24	0.22	0.2	0.18	0.15	0.13	0.1	0.08	0.05	0.03	0	
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.02	0.04	0.06	0.08	0.10	0.11	0.13	0.15	0.16	0.18	0.19	0.21	0.21	0.22	0.23	0.24	0.24	0.25	0.25	0.25	0.25	0.24	0.24	0.23	0.22	0.21	0.21	0.19	0.18	0.16	0.15	0.13	0.11	0.10	0.08	0.06	0.04	0.02	0	
FINAL CAMBER	↑	0	1/16"	1/8"	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	11/16"	3/4"	13/16"	13/16"	7/8"	7/8"	15/16"	15/16"	15/16"	1"	1"	1"	15/16"	15/16"	15/16"	7/8"	7/8"	13/16"	13/16"	3/4"	11/16"	5/8"	9/16"	1/2"	7/16"	3/8"	5/16"	1/4"	1/8"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																																										
SPAN C																																										
0.6"Ø LOW RELAXATION	GIRDERS 1 THRU 4																																									
FOURIETH POINTS	0	.025	.05	.075	.1	.125	.15	.175	.2	.225	.25	.275	.3	.325	.35	.375	.4	.425	.45	.475	.5	.525	.55	.575	.6	.625	.65	.675	.7	.725	.75	.775	.8	.825	.85	.875	.9	.925	.95	.975	0	
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.02	0.04	0.06	0.08	0.09	0.11	0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.24	0.24	0.24	0.23	0.23	0.22	0.21	0.20	0.19	0.17	0.16	0.15	0.13	0.11	0.09	0.08	0.06	0.04	0.02	0			
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.01	0.02	0.03	0.05	0.06	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.13	0.13	0.12	0.11	0.10	0.10	0.09	0.08	0.07	0.06	0.05	0.03	0.02	0.01	0	
FINAL CAMBER	↑	0	1/16"	3/16"	1/4"	3/8"	7/16"	9/16"	5/8"	11/16"	3/4"	13/16"	7/8"	15/16"	1"	1 1/16"	1 1/16"	1 1/8"	1 1/8"	1 1/8"	1 3/16"	1 3/16"	1 3/16"	1 1/8"	1 1/8"	1 1/8"	1 1/16"	1 1/16"	1"	15/16"	7/8"	13/16"	3/4"	11/16"	5/8"	9/16"	7/16"	3/8"	1/4"	3/16"	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. BR-0093  
ROCKINGHAM COUNTY  
STATION: 17+85.52 -L-



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
SUPERSTRUCTURE  
DEFLECTION TABLE

DRAWN BY : E. BAYISSA DATE : 01/2024  
CHECKED BY : ZIA MALIK DATE : 01/2024  
DESIGN ENGINEER OF RECORD: E. BAYISSA DATE : 11/2023

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-20
1			3			TOTAL SHEETS
2			4			36