

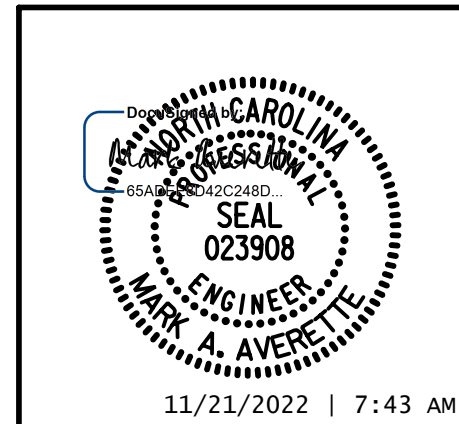
11/21/2022 10:18:44 AM P:\Raleigh\Projects\2018\Division 13 (SEA)\B-5869 (Burke 99)\Structures\Drawings(2)\Final(2)\B5869_SMU_DL_110099(2).dgn

DEAD LOAD DEFLECTION AND CAMBER TABLE FOR GIRDERS - SPAN A																					
0.6" Ø LOW RELAXATION		GIRDER 1																			
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.011	0.021	0.031	0.040	0.048	0.055	0.060	0.064	0.067	0.068	0.067	0.064	0.060	0.055	0.048	0.040	0.031	0.021	0.011	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.002	0.004	0.007	0.009	0.011	0.012	0.013	0.014	0.015	0.015	0.015	0.014	0.013	0.012	0.011	0.009	0.007	0.004	0.002	0
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"	5/8"	9/16"	1/2"	7/16"	3/8"	5/16"	3/16"	1/8"
0.6" Ø LOW RELAXATION		GIRDER 2, 3 & 4																			
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.011	0.021	0.031	0.040	0.048	0.055	0.060	0.064	0.067	0.068	0.067	0.064	0.060	0.055	0.048	0.040	0.031	0.021	0.011	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.002	0.004	0.006	0.008	0.010	0.012	0.013	0.014	0.014	0.015	0.014	0.014	0.013	0.012	0.010	0.008	0.006	0.004	0.002	0
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"	5/8"	9/16"	1/2"	7/16"	3/8"	5/16"	3/16"	1/8"
0.6" Ø LOW RELAXATION		GIRDER 5, 6, 7, 8 & 9																			
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.011	0.021	0.031	0.040	0.048	0.055	0.060	0.064	0.067	0.068	0.067	0.064	0.060	0.055	0.048	0.040	0.031	0.021	0.011	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.002	0.004	0.006	0.009	0.010	0.012	0.013	0.014	0.015	0.015	0.015	0.014	0.013	0.012	0.010	0.009	0.006	0.004	0.002	0
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"	5/8"	9/16"	1/2"	7/16"	3/8"	5/16"	3/16"	1/8"
0.6" Ø LOW RELAXATION		GIRDER 10																			
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.011	0.021	0.031	0.040	0.048	0.055	0.060	0.064	0.067	0.068	0.067	0.064	0.060	0.055	0.048	0.040	0.031	0.021	0.011	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.002	0.004	0.007	0.009	0.011	0.012	0.014	0.015	0.015	0.015	0.015	0.015	0.014	0.012	0.011	0.009	0.007	0.004	0.002	0
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"	5/8"	9/16"	1/2"	7/16"	3/8"	5/16"	3/16"	1/8"

* 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-5869
BURKE COUNTY
STATION: 21+62.39 -L-

SHEET 1 OF 3
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
GIRDER CAMBER
DETAILS
SPAN A



DRAWN BY: S.D. COOPER DATE: 3-2022
CHECKED BY: M. AVERETTE DATE: 3-2022
DESIGN ENGINEER OF RECORD: M. AVERETTE DATE: 3-2022

LICENSURE NO. C-4434						11/21/2022 7:43 AM						REVISIONS		SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:							S-25			
1			3									TOTAL SHEETS			
2			4									72			

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED