

11/21/2022 10:18:45 AM P:\Raleigh\Projects\2018\Division 13 (SEA)\B-5869 (Burke 99)\Structures\Drawings(2)\Final(2)\B5869_SMU_DL_110099(2).dgn

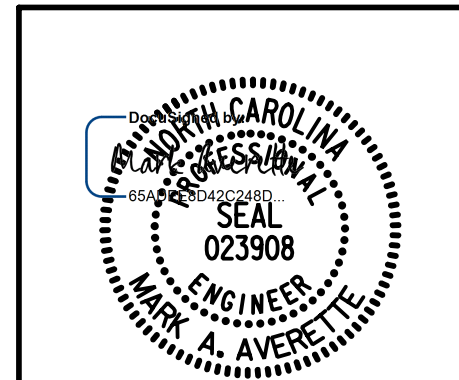
DEAD LOAD DEFLECTION AND CAMBER TABLE FOR GIRDERS - SPAN C																					
0.6" Ø LOW RELAXATION		GIRDER 1																			
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.014	0.028	0.041	0.053	0.063	0.072	0.079	0.084	0.087	0.089	0.087	0.084	0.079	0.072	0.063	0.053	0.041	0.028	0.014	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.004	0.009	0.014	0.018	0.022	0.025	0.028	0.030	0.031	0.032	0.031	0.030	0.028	0.025	0.022	0.018	0.014	0.009	0.004	0
FINAL CAMBER ↑	0	1/8"	1/4"	5/16"	7/16"	1/2"	9/16"	5/8"	5/8"	11/16"	11/16"	11/16"	5/8"	5/8"	9/16"	1/2"	7/16"	5/16"	1/4"	1/8"	0
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	0.014	0.028	0.041	0.053	0.063	0.072	0.079	0.084	0.087	0.089	0.087	0.084	0.079	0.072	0.063	0.053	0.041	0.028	0.014	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.004	0.009	0.013	0.017	0.021	0.024	0.027	0.029	0.030	0.030	0.030	0.029	0.027	0.024	0.021	0.017	0.013	0.009	0.004	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
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	0.014	0.028	0.041	0.053	0.063	0.072	0.079	0.084	0.087	0.089	0.087	0.084	0.079	0.072	0.063	0.053	0.041	0.028	0.014	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.004	0.009	0.014	0.018	0.022	0.025	0.027	0.029	0.030	0.031	0.030	0.029	0.027	0.025	0.022	0.018	0.014	0.009	0.004	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
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	0.014	0.028	0.041	0.053	0.063	0.072	0.079	0.084	0.087	0.089	0.087	0.084	0.079	0.072	0.063	0.053	0.041	0.028	0.014	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.004	0.009	0.014	0.018	0.022	0.026	0.028	0.030	0.031	0.032	0.031	0.030	0.028	0.026	0.022	0.018	0.014	0.009	0.004	0
FINAL CAMBER ↑	0	1/8"	1/4"	5/16"	7/16"	1/2"	9/16"	5/8"	5/8"	11/16"	11/16"	11/16"	5/8"	5/8"	9/16"	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-5869
BURKE COUNTY
STATION: 21+62.39 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
GIRDER CAMBER
DETAILS
SPAN C



11/21/2022 | 7:43 AM

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-27
1			3			TOTAL SHEETS
2			4			72

LICENSURE NO. C-4434
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED