

4/6/2023 12:01:57 PM P:\Raleigh\Projects\2018\Division 9 (Mott MacDonald)\U-2729\Structures\Drawings\Final\U2729_SMU_DL_330290.dgn

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
SPAN A																						
0.6" Ø LOW RELAXATION																						
GIRDER 2-5 & 8-10																						
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00	
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.026	0.051	0.075	0.097	0.116	0.132	0.145	0.155	0.161	0.163	0.161	0.155	0.145	0.132	0.116	0.097	0.075	0.051	0.026	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.020	0.044	0.067	0.088	0.106	0.122	0.135	0.144	0.149	0.151	0.149	0.144	0.135	0.122	0.106	0.088	0.067	0.044	0.020	0
FINAL CAMBER	↑	0	1/16"	1/16"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/16"	1/16"	0
SPAN A																						
0.6" Ø LOW RELAXATION																						
GIRDER 6 & 7																						
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00	
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.026	0.051	0.075	0.097	0.116	0.132	0.145	0.155	0.161	0.163	0.161	0.155	0.145	0.132	0.116	0.097	0.075	0.051	0.026	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.017	0.037	0.056	0.073	0.089	0.102	0.112	0.120	0.125	0.126	0.125	0.120	0.112	0.102	0.089	0.073	0.056	0.037	0.017	0
FINAL CAMBER	↑	0	1/8"	3/16"	1/4"	5/16"	5/16"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	3/8"	3/8"	5/16"	5/16"	1/4"	3/16"	1/8"	0
SPAN A																						
0.6" Ø LOW RELAXATION																						
GIRDER 1 & 11																						
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00	
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.026	0.051	0.075	0.097	0.116	0.132	0.145	0.155	0.161	0.163	0.161	0.155	0.145	0.132	0.116	0.097	0.075	0.051	0.026	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.019	0.041	0.062	0.081	0.098	0.113	0.125	0.133	0.138	0.140	0.138	0.133	0.125	0.113	0.098	0.081	0.062	0.041	0.019	0
FINAL CAMBER	↑	0	1/16"	1/8"	1/8"	3/16"	3/16"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/16"	3/16"	1/8"	1/8"	1/16"	0

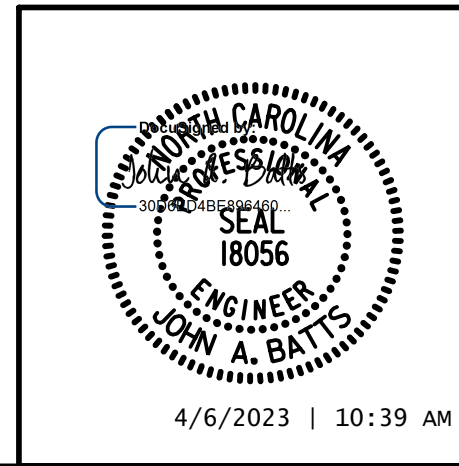
* INCLUDES FUTURE WEARING SURFACE
ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).

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0.6" Ø LOW RELAXATION																						
GIRDER 2-5 & 8-10																						
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00	
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.014	0.028	0.041	0.052	0.063	0.072	0.079	0.084	0.087	0.088	0.087	0.084	0.079	0.072	0.063	0.052	0.041	0.028	0.014	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.009	0.021	0.031	0.041	0.050	0.057	0.063	0.068	0.070	0.071	0.070	0.068	0.063	0.057	0.050	0.041	0.031	0.021	0.009	0
FINAL CAMBER	↑	0	1/16"	1/16"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	1/8"	1/8"	1/16"	1/16"	0	0
SPAN B																						
0.6" Ø LOW RELAXATION																						
GIRDER 6 & 7																						
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00	
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.014	0.028	0.041	0.052	0.063	0.072	0.079	0.084	0.087	0.088	0.087	0.084	0.079	0.072	0.063	0.052	0.041	0.028	0.014	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.008	0.017	0.026	0.034	0.042	0.048	0.053	0.057	0.059	0.059	0.059	0.057	0.053	0.048	0.042	0.034	0.026	0.017	0.008	0
FINAL CAMBER	↑	0	1/16"	1/8"	3/16"	3/16"	1/4"	5/16"	5/16"	5/16"	5/16"	3/8"	5/16"	5/16"	5/16"	1/4"	3/16"	3/16"	1/8"	1/8"	1/16"	0
SPAN B																						
0.6" Ø LOW RELAXATION																						
GIRDER 1 & 11																						
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00	
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.014	0.028	0.041	0.052	0.063	0.072	0.079	0.084	0.087	0.088	0.087	0.084	0.079	0.072	0.063	0.052	0.041	0.028	0.014	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.009	0.019	0.029	0.038	0.046	0.053	0.059	0.063	0.065	0.066	0.065	0.063	0.059	0.053	0.046	0.038	0.029	0.019	0.009	0
FINAL CAMBER	↑	0	1/16"	1/8"	1/8"	3/16"	3/16"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/16"	3/16"	1/8"	1/8"	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. U-2729
FORSYTH COUNTY
STATION: 33+99.11 -L-

DRAWN BY: T. BANKOVICH DATE: 9-22
CHECKED BY: T.J. BEACH DATE: 9-22
DESIGN ENGINEER OF RECORD: J.A. BATTS DATE: 9-22



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE

GIRDER CAMBER
DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-26
1			3			TOTAL SHEETS
2			4			59

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**