

DEAD LOAD DEFLECTION TABLE FOR GIRDERS - SPAN A

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

0.6" Ø LOW RELAXATION		GIRDERS 1 & 6																				
TWENTIETH POINTS		0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.70	.75	.8	.85	.9	.95	1.0
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.008	0.017	0.024	0.031	0.038	0.043	0.047	0.050	0.052	0.053	0.052	0.050	0.047	0.043	0.038	0.031	0.024	0.017	0.008	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.003	0.007	0.010	0.013	0.016	0.018	0.018	0.021	0.022	0.022	0.022	0.021	0.020	0.018	0.016	0.013	0.010	0.006	0.003	0.000
FINAL CAMBER	↑	0	1/16"	1/8"	3/16"	3/16"	1/4"	5/16"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	5/16"	5/16"	1/4"	3/16"	3/16"	1/8"	1/16"	0

0.6" Ø LOW RELAXATION		GIRDERS 2 - 5																				
TWENTIETH POINTS		0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.70	.75	.8	.85	.9	.95	1.0
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.008	0.017	0.024	0.031	0.038	0.043	0.047	0.050	0.052	0.053	0.052	0.050	0.047	0.043	0.038	0.031	0.024	0.017	0.008	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.004	0.007	0.011	0.014	0.017	0.020	0.022	0.023	0.024	0.025	0.024	0.023	0.022	0.020	0.017	0.014	0.011	0.007	0.004	0.000
FINAL CAMBER	↑	0	1/16"	1/8"	3/16"	3/16"	1/4"	1/4"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	1/4"	1/4"	3/16"	3/16"	1/8"	1/16"	0	

DEAD LOAD DEFLECTION TABLE FOR GIRDERS - SPAN B

0.6" Ø LOW RELAXATION		GIRDERS 1 & 6																				
TWENTIETH POINTS		0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.70	.75	.8	.85	.9	.95	1.0
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.027	0.053	0.078	0.100	0.120	0.137	0.151	0.161	0.167	0.169	0.167	0.161	0.151	0.137	0.120	0.100	0.078	0.053	0.027	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.018	0.036	0.054	0.071	0.085	0.099	0.107	0.116	0.119	0.122	0.119	0.116	0.107	0.099	0.085	0.071	0.054	0.036	0.018	0.000
FINAL CAMBER	↑	0	1/8"	3/16"	1/4"	3/8"	3/8"	7/16"	1/2"	9/16"	9/16"	9/16"	9/16"	9/16"	1/2"	7/16"	3/8"	3/8"	1/4"	3/16"	1/8"	0

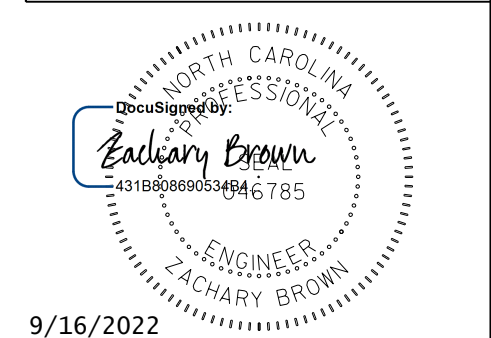
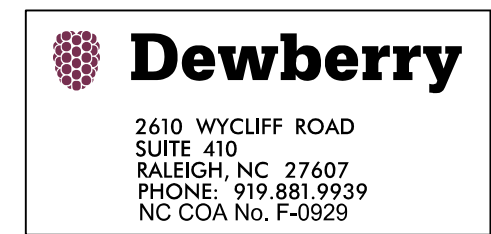
0.6" Ø LOW RELAXATION		GIRDERS 2 - 5																				
TWENTIETH POINTS		0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.70	.75	.8	.85	.9	.95	1.0
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.027	0.053	0.078	0.100	0.120	0.137	0.151	0.161	0.167	0.169	0.167	0.161	0.151	0.137	0.120	0.100	0.078	0.053	0.027	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.021	0.041	0.061	0.081	0.096	0.112	0.121	0.131	0.135	0.138	0.135	0.131	0.121	0.112	0.096	0.081	0.061	0.041	0.021	0.000
FINAL CAMBER	↑	0	1/16"	1/8"	3/16"	1/4"	1/4"	5/16"	1/2"	3/8"	3/8"	3/8"	3/8"	3/8"	5/16"	5/16"	1/4"	1/4"	3/16"	1/8"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS - SPAN C

0.6" Ø LOW RELAXATION		GIRDERS 1 & 6																				
TWENTIETH POINTS		0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.70	.75	.8	.85	.9	.95	1.0
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.008	0.017	0.024	0.031	0.038	0.043	0.047	0.050	0.052	0.053	0.052	0.050	0.047	0.043	0.038	0.031	0.024	0.017	0.008	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.002	0.003	0.005	0.006	0.007	0.008	0.009	0.010	0.010	0.011	0.010	0.010	0.009	0.009	0.007	0.006	0.005	0.003	0.002	0.000
FINAL CAMBER	↑	0	1/16"	3/16"	1/4"	5/16"	3/8"	7/16"	7/16"	1/2"	1/2"	1/2"	1/2"	1/2"	7/16"	7/16"	3/8"	3/8"	5/16"	1/4"	3/16"	1/16"

0.6" Ø LOW RELAXATION		GIRDERS 2 - 5																				
TWENTIETH POINTS		0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.70	.75	.8	.85	.9	.95	1.0
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.008	0.017	0.024	0.031	0.038	0.043	0.047	0.050	0.052	0.053	0.052	0.050	0.047	0.043	0.038	0.031	0.024	0.017	0.008	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.002	0.003	0.005	0.007	0.008	0.009	0.010	0.011	0.011	0.012	0.011	0.011	0.010	0.009	0.008	0.007	0.005	0.003	0.002	0.000
FINAL CAMBER	↑	0	1/16"	3/16"	1/4"	5/16"	3/8"	3/8"	1/2"	7/16"	1/2"	1/2"	1/2"	7/16"	7/16"	3/8"	3/8"	5/16"	1/4"	3/16"	1/16"	0

PROJECT NO. B-5318
 _____ WAKE _____ COUNTY
 STATION: 19+73.00 -L-



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

PRESTRESSED CONCRETE GIRDER
 CAMBER AND DEAD
 LOAD DEFLECTIONS

DRAWN BY : E. JONES DATE : JUNE 21
 CHECKED BY : P. O'NEILL DATE : JUNE 21
 DESIGN ENGINEER OF RECORD: Z. BROWN DATE : JUNE 21

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-17
1			3			TOTAL SHEETS
2			4			41