

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN C																					
0.6 ∅ LOW RELAXATION																					
GIRDER G1																					
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00
CAMER (GIRDER ALONG IN PLACE) ↑	0	0.008	0.018	0.027	0.035	0.042	0.047	0.052	0.055	0.057	0.058	0.057	0.055	0.052	0.047	0.042	0.035	0.027	0.018	0.008	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.003	0.006	0.009	0.012	0.014	0.016	0.018	0.020	0.020	0.020	0.020	0.020	0.018	0.016	0.014	0.012	0.009	0.006	0.003	0
FINAL CAMBER ↑	0	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	3/8"	7/16"	7/16"	7/16"	7/16"	7/16"	3/8"	3/8"	5/16"	1/4"	3/16"	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).

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN C																					
0.6 ∅ LOW RELAXATION																					
GIRDER G2 THRU G3																					
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00
CAMER (GIRDER ALONG IN PLACE) ↑	0	0.008	0.018	0.027	0.035	0.042	0.047	0.052	0.055	0.057	0.058	0.057	0.055	0.052	0.047	0.042	0.035	0.027	0.018	0.008	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.003	0.006	0.009	0.012	0.015	0.017	0.019	0.021	0.021	0.022	0.021	0.021	0.019	0.017	0.015	0.012	0.009	0.006	0.003	0
FINAL CAMBER ↑	0	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	3/8"	7/16"	7/16"	7/16"	7/16"	7/16"	3/8"	3/8"	5/16"	1/4"	3/16"	1/8"	1/16"	0

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

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN C																					
0.6 ∅ LOW RELAXATION																					
GIRDER G4																					
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00
CAMER (GIRDER ALONG IN PLACE) ↑	0	0.008	0.018	0.027	0.035	0.042	0.047	0.052	0.055	0.057	0.058	0.057	0.055	0.052	0.047	0.042	0.035	0.027	0.018	0.008	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.003	0.006	0.009	0.012	0.014	0.016	0.018	0.019	0.020	0.020	0.020	0.019	0.018	0.016	0.014	0.012	0.009	0.006	0.003	0
FINAL CAMBER ↑	0	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	3/8"	7/16"	7/16"	7/16"	7/16"	7/16"	3/8"	3/8"	5/16"	1/4"	3/16"	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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PROJECT NO. I-2513AA/AB
BUNCOMBE COUNTY
STATION: 20+16.70 -Y5RPA-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE

**DEAD LOAD DEFLECTION
AND GIRDER CAMBER**

SPAN C

REVISIONS

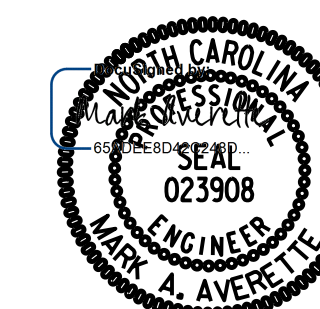
SHEET NO.

NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			49
2			4			



5640 Dillard Drive, Suite 200
Cary, NC 27518

LICENSURE NO. C-4434



12/21/2023 | 11:09 AM

DRAWN BY : S.D. COOPER DATE : 12-23
CHECKED BY : M.A. AVERETTE DATE : 12-23
DESIGN ENGINEER OF RECORD: M.A. AVERETTE DATE : 12-23

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