

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN A																					
GIRDER G1																					
0.6 ø LOW RELAXATION																					
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	0.026	0.049	0.071	0.092	0.110	0.126	0.139	0.148	0.154	0.156	0.154	0.148	0.139	0.126	0.110	0.092	0.071	0.049	0.026	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.012	0.026	0.039	0.051	0.062	0.071	0.078	0.083	0.087	0.088	0.087	0.083	0.078	0.071	0.062	0.051	0.039	0.026	0.012	0
FINAL CAMBER ↑	0	3/16"	1/4"	3/8"	1/2"	9/16"	11/16"	3/4"	3/4"	13/16"	13/16"	13/16"	3/4"	3/4"	11/16"	9/16"	1/2"	3/8"	1/4"	3/16"	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 A																					
GIRDER G2-G3																					
0.6 ø LOW RELAXATION																					
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	0.026	0.049	0.071	0.092	0.110	0.126	0.139	0.148	0.154	0.156	0.154	0.148	0.139	0.126	0.110	0.092	0.071	0.049	0.026	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.013	0.027	0.041	0.053	0.065	0.074	0.082	0.087	0.091	0.092	0.091	0.087	0.082	0.074	0.065	0.053	0.041	0.027	0.013	0
FINAL CAMBER ↑	0	3/16"	1/4"	3/8"	7/16"	9/16"	5/8"	11/16"	3/4"	3/4"	3/4"	3/4"	3/4"	11/16"	5/8"	9/16"	7/16"	3/8"	1/4"	3/16"	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 A																					
GIRDER G4																					
0.6 ø LOW RELAXATION																					
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	0.026	0.049	0.071	0.092	0.110	0.126	0.139	0.148	0.154	0.156	0.154	0.148	0.139	0.126	0.110	0.092	0.071	0.049	0.026	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.012	0.026	0.039	0.051	0.061	0.070	0.077	0.083	0.086	0.087	0.086	0.083	0.077	0.070	0.061	0.051	0.038	0.026	0.012	0
FINAL CAMBER ↑	0	3/16"	5/16"	3/8"	1/2"	9/16"	11/16"	3/4"	13/16"	13/16"	13/16"	13/16"	3/4"	11/16"	9/16"	1/2"	3/8"	5/16"	3/16"	0	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 1 OF 3

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
SUPERSTRUCTURE

**DEAD LOAD DEFLECTION  
AND GIRDER CAMBER**

SPAN A

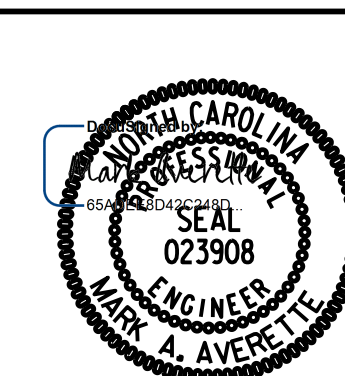
REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.
1			3			5-21
2			4			TOTAL SHEETS 49



5640 Dillard Drive, Suite 200  
Cary, NC 27518

LICENSURE NO. C-4434



12/21/2023 | 11:09 AM EST

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**