

12/21/2023 1:48:34 PM c:\pwworking\cecom\_ds21\_na\_2020\d0252774\I2513AA\_SMU\_DL2\_100902.dgn

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
SPAN B																						
0.6 ∅ LOW RELAXATION		GIRDER G1 (0 THRU .500)																				
FORTIETH POINTS		0	.025	.050	.075	.100	.125	.150	.175	.200	.225	.250	.275	.300	.325	.350	.375	.400	.425	.450	.475	.500
CAMER (GIRDER ALONG IN PLACE)	↑	0	0.026	0.053	0.079	0.105	0.130	0.154	0.177	0.199	0.220	0.239	0.257	0.273	0.287	0.300	0.311	0.319	0.326	0.331	0.334	0.336
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.016	0.036	0.056	0.075	0.094	0.112	0.130	0.146	0.162	0.177	0.190	0.202	0.213	0.223	0.231	0.238	0.243	0.247	0.250	0.250
FINAL CAMBER	↑	0	1/8"	3/16"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	11/16"	3/4"	13/16"	7/8"	7/8"	15/16"	15/16"	1"	1"	1"	1"	1"

\* 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 B																						
0.6 ∅ LOW RELAXATION		GIRDER G2 THRU G3 (0 THRU .500)																				
FORTIETH POINTS		0	.025	.050	.075	.100	.125	.150	.175	.200	.225	.250	.275	.300	.325	.350	.375	.400	.425	.450	.475	.500
CAMER (GIRDER ALONG IN PLACE)	↑	0	0.026	0.053	0.079	0.105	0.130	0.154	0.177	0.199	0.220	0.239	0.257	0.273	0.287	0.300	0.311	0.319	0.326	0.331	0.334	0.336
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.016	0.037	0.058	0.079	0.098	0.118	0.136	0.154	0.170	0.185	0.199	0.212	0.224	0.234	0.242	0.250	0.255	0.259	0.262	0.262
FINAL CAMBER	↑	0	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	5/8"	11/16"	3/4"	3/4"	13/16"	13/16"	13/16"	7/8"	7/8"	7/8"	7/8"

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

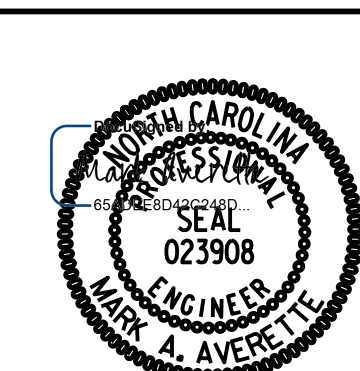
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
SPAN B																						
0.6 ∅ LOW RELAXATION		GIRDER G4 (0 THRU .500)																				
FORTIETH POINTS		0	.025	.050	.075	.100	.125	.150	.175	.200	.225	.250	.275	.300	.325	.350	.375	.400	.425	.450	.475	.500
CAMER (GIRDER ALONG IN PLACE)	↑	0	0.026	0.053	0.079	0.105	0.130	0.154	0.177	0.199	0.220	0.239	0.257	0.273	0.287	0.300	0.311	0.319	0.326	0.331	0.334	0.336
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.015	0.035	0.055	0.074	0.093	0.111	0.128	0.145	0.161	0.175	0.188	0.200	0.211	0.221	0.229	0.236	0.241	0.245	0.247	0.248
FINAL CAMBER	↑	0	1/8"	3/16"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	11/16"	3/4"	13/16"	7/8"	15/16"	15/16"	1"	1"	1"	1 1/16"	1 1/16"	1 1/16"

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

PROJECT NO. I-2513AA/AB  
BUNCOMBE COUNTY  
STATION: 20+16.70 -Y5RPA-

SHEET 2 OF 3

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUPERSTRUCTURE			
<b>DEAD LOAD DEFLECTION AND GIRDER CAMBER</b>			
SPAN B			
REVISIONS			
NO.	BY:	DATE:	SHEET NO.
1			5-22
2			TOTAL SHEETS 49



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

LICENSURE NO. C-4434

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