

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

0.6" Ø LOW RELAXATION	SPANS "A", "B" AND "C"																							
	GIRDER A1, A4, AND C4												GIRDERS A2, B3, C1 AND C2											
	TENTH POINTS	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.069	0.131	0.180	0.210	0.221	0.210	0.180	0.131	0.069	0.000	0.000	0.070	0.133	0.182	0.213	0.224	0.213	0.182	0.133	0.070	0.000		
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.044	0.084	0.115	0.135	0.141	0.135	0.116	0.085	0.045	0.000	0.000	0.048	0.090	0.123	0.143	0.150	0.143	0.122	0.089	0.047	0.000		
FINAL CAMBER ↑	0.000	5/16"	9/16"	13/16"	7/8"	15/16"	7/8"	3/4"	9/16"	5/16"	0.000	0.000	1/4"	1/2"	11/16"	13/16"	7/8"	13/16"	11/16"	1/2"	1/4"	0.000		
0.6" Ø LOW RELAXATION	GIRDERS A3, AND C3												GIRDERS A5, B6, AND C5											
	TENTH POINTS	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0	
	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.070	0.132	0.181	0.212	0.223	0.212	0.181	0.132	0.070	0.000	0.000	0.071	0.134	0.183	0.214	0.225	0.214	0.183	0.134	0.071	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.041	0.078	0.107	0.125	0.132	0.125	0.107	0.078	0.041	0.000	0.000	0.054	0.104	0.143	0.167	0.176	0.168	0.143	0.105	0.055	0.000		
FINAL CAMBER ↑	0.000	3/8"	5/8"	7/8"	11/16"	11/8"	11/16"	7/8"	5/8"	5/16"	0.000	0.000	3/16"	3/8"	1/2"	9/16"	9/16"	9/16"	1/2"	3/8"	3/16"	0.000		
0.6" Ø LOW RELAXATION	GIRDERS A6, B4, AND C6												GIRDERS B1 AND B2											
	TENTH POINTS	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0	
	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.071	0.134	0.184	0.215	0.226	0.215	0.184	0.134	0.071	0.000	0.000	0.071	0.134	0.184	0.215	0.226	0.215	0.184	0.134	0.071	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.049	0.094	0.129	0.152	0.160	0.152	0.130	0.095	0.050	0.000	0.000	0.056	0.103	0.140	0.163	0.171	0.163	0.140	0.103	0.056	0.000		
FINAL CAMBER ↑	0.000	1/4"	1/2"	11/16"	3/4"	13/16"	3/4"	5/8"	1/2"	1/4"	0.000	0.000	3/16"	3/8"	9/16"	5/8"	11/16"	5/8"	9/16"	3/8"	3/16"	0.000		
0.6" Ø LOW RELAXATION	GIRDER B5																							
	TENTH POINTS	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0												
	CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.072	0.135	0.185	0.217	0.228	0.217	0.185	0.135	0.072	0.000												
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.065	0.120	0.163	0.190	0.199	0.189	0.163	0.120	0.065	0.000													
FINAL CAMBER ↑	0.000	1/16"	3/16"	1/4"	5/16"	3/8"	5/16"	1/4"	3/16"	1/16"	0.000													

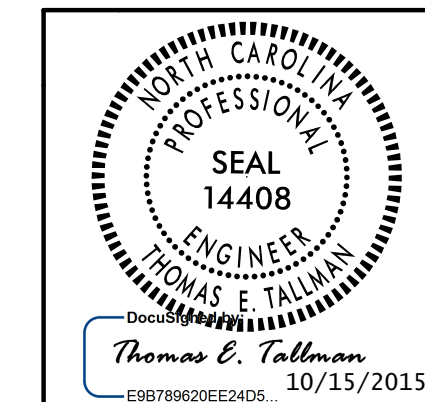
* INCLUDES FUTURE WEARING SURFACE
 ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).

PROJECT NO. B-4159
JACKSON COUNTY
 STATION: 20+16.00 -L-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

STANDARD
 GIRDER DEAD LOAD
 AND DEFLECTION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-32
1			3			TOTAL SHEETS
2			4			64



10/14/2015 10:41:59 AM b4159_sd.co.01.dgn

DRAWN BY: D. H. CARTER DATE: SEP 2015
 CHECKED BY: M. T. NEIHEISEL DATE: SEP 2015
 DESIGN ENGINEER OF RECORD: T. E. TALLMAN DATE: OCT 2015