

— DEAD LOAD DEFLECTION TABLE FOR GIRDERS —

0.6" Ø LOW RELAXATION	SPAN A											
	GIRDERS 1 AND 4 (EXTERIOR)											
TENTH POINTS	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.060	0.114	0.156	0.183	0.192	0.183	0.156	0.114	0.060	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.043	0.083	0.115	0.136	0.143	0.136	0.116	0.084	0.043	0.000	
FINAL CAMBER ↑	0	3/16	3/8	1/2	9/16	9/16	9/16	1/2	3/8	3/16	0	
0.6" Ø LOW RELAXATION	SPAN A											
	GIRDERS 2 AND 3 (INTERIOR)											
TENTH POINTS	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.060	0.114	0.156	0.183	0.192	0.183	0.156	0.114	0.060	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.048	0.093	0.130	0.153	0.161	0.153	0.130	0.094	0.049	0.000	
FINAL CAMBER ↑	0	1/8	1/4	5/16	3/8	3/8	3/8	5/16	1/4	1/8	0	

— DEAD LOAD DEFLECTION TABLE FOR GIRDERS —

0.6" Ø LOW RELAXATION	SPAN C											
	GIRDERS 1 AND 4 (EXTERIOR)											
TENTH POINTS	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.060	0.114	0.156	0.183	0.192	0.183	0.156	0.114	0.060	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.045	0.088	0.121	0.142	0.149	0.142	0.121	0.088	0.045	0.000	
FINAL CAMBER ↑	0	3/16	5/16	7/16	1/2	1/2	1/2	7/16	5/16	3/16	0	
0.6" Ø LOW RELAXATION	SPAN C											
	GIRDERS 2 AND 3 (INTERIOR)											
TENTH POINTS	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.060	0.114	0.156	0.183	0.192	0.183	0.156	0.114	0.060	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.051	0.098	0.135	0.159	0.167	0.159	0.135	0.098	0.051	0.000	
FINAL CAMBER ↑	0	1/8	3/16	1/4	5/16	5/16	5/16	1/4	3/16	1/8	0	

— DEAD LOAD DEFLECTION TABLE FOR GIRDERS —

0.6" Ø LOW RELAXATION	SPAN B											
	GIRDERS 1 AND 4 (EXTERIOR)											
TENTH POINTS	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.060	0.114	0.156	0.183	0.192	0.183	0.156	0.114	0.060	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.045	0.088	0.121	0.142	0.149	0.142	0.121	0.088	0.045	0.000	
FINAL CAMBER ↑	0	3/16	5/16	7/16	1/2	1/2	1/2	7/16	5/16	3/16	0	
0.6" Ø LOW RELAXATION	SPAN B											
	GIRDERS 2 AND 3 (INTERIOR)											
TENTH POINTS	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.060	0.114	0.156	0.183	0.192	0.183	0.156	0.114	0.060	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.051	0.098	0.135	0.159	0.167	0.159	0.135	0.098	0.051	0.000	
FINAL CAMBER ↑	0	1/8	3/16	1/4	5/16	5/16	5/16	1/4	3/16	1/8	0	

— DEAD LOAD DEFLECTION TABLE FOR GIRDERS —

0.6" Ø LOW RELAXATION	SPAN D											
	GIRDERS 1 AND 4 (EXTERIOR)											
TENTH POINTS	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.060	0.114	0.156	0.183	0.192	0.183	0.156	0.114	0.060	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.044	0.085	0.117	0.138	0.145	0.137	0.117	0.084	0.043	0.000	
FINAL CAMBER ↑	0	3/16	3/8	7/16	9/16	9/16	9/16	7/16	3/8	3/16	0	
0.6" Ø LOW RELAXATION	SPAN D											
	GIRDERS 2 AND 3 (INTERIOR)											
TENTH POINTS	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.060	0.114	0.156	0.183	0.192	0.183	0.156	0.114	0.060	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.049	0.095	0.132	0.155	0.163	0.155	0.131	0.095	0.049	0.000	
FINAL CAMBER ↑	0	1/8	1/4	5/16	5/16	3/8	5/16	5/16	1/4	1/8	0	

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

PROJECT NO. B-4484
CRAVEN COUNTY
 STATION: 41+45.00 -L1-

REPLACES BRIDGE NO. 240139



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 DEAD LOAD DEFLECTIONS

DRAWN BY : NSC DATE : 04/2019
 CHECKED BY : JMR DATE : 05/2019
 DESIGN ENGINEER OF RECORD: PDS DATE : 06/2019

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

RS&H Architects-Engineers-Planners, Inc.
 8521 Six Forks Road, Suite 400
 919-926-4100 FAX 919-846-9080
 www.rsandh.com
 North Carolina License Nos. 50737-F3403-C28

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-15
1			3			TOTAL SHEETS
2			4			31