DEAD LOAD DEFLECTION TABLE FOR GIRDERS

0.6"Ø LOW RELAXATION	SPAN A																					
	GIRDER 1 (EXTERIOR)											GIRDER 2 (INTERIOR)										
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	0.039	0.074	0.101	0.118	0.124	0.118	0.101	0.074	0.039	0.000	0.000	0.039	0.074	0.101	0.118	0.124	0.118	0.101	0.074	0.039	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.024	0.045	0.062	0.072	0.076	0.072	0.062	0.045	0.024	0.000	0.000	0.025	0.047	0.065	0.076	0.080	0.076	0.065	0.047	0.025	0.000
FINAL CAMBER ↑	0	3/16	5/16	7/16	9/16	9/16	9/16	7/16	5/16	3/16	0	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	GIRDER 4 (EXTERIOR)											GIRDER 3 (INTERIOR)										
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	0.039	0.074	0.101	0.118	0.124	0.118	0.101	0.074	0.039	0.000	0.000	0.039	0.074	0.101	0.118	0.124	0.118	0.101	0.074	0.039	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.024	0.045	0.062	0.072	0.076	0.072	0.062	0.045	0.024	0.000	0.000	0.025	0.047	0.065	0.076	0.080	0.076	0.065	0.047	0.025	0.000
FINAL CAMBER ↑	0	3/16	5/16	7/16	9/16	9/16	9/16	7/16	5/16	3/16	0	0	3/16	5/16	7/16	1/2	1/2	1/2	7/16	5/16	3/16	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

0.6"Ø LOW RELAXATION	SPAN B																					
	GIRDER 1 (EXTERIOR)																					
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.116	0.170	0.219	0.263	0.300	0.330	0.351	0.364	0.369	0.364	0.351	0.330	0.300	0.263	0.219	0.170	0.116	0.059	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.046	0.090	0.132	0.171	0.205	0.234	0.257	0.274	0.284	0.288	0.284	0.274	0.257	0.234	0.205	0.171	0.132	0.090	0.046	0.000	
FINAL CAMBER ↑	0	1/8	5/16	7/16	9/16	11/16	13/16	7/8	15/16	15/16	1	15/16	15/16	7/8	13/16	11/16	9/16	7/16	5/16	1/8	0	
0.6"Ø LOW RELAXATION	GIRDER 2 (INTERIOR)																					
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.116	0.170	0.219	0.263	0.300	0.330	0.351	0.364	0.369	0.364	0.351	0.330	0.300	0.263	0.219	0.170	0.116	0.059	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.049	0.096	0.141	0.182	0.218	0.249	0.273	0.291	0.302	0.306	0.302	0.291	0.273	0.249	0.218	0.182	0.141	0.096	0.049	0.000	
FINAL CAMBER ↑	0	1/8	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	1/8	0	
0.6"Ø LOW RELAXATION	GIRDER 3 (INTERIOR)																					
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.116	0.170	0.219	0.263	0.300	0.330	0.351	0.364	0.369	0.364	0.351	0.330	0.300	0.263	0.219	0.170	0.116	0.059	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.049	0.096	0.141	0.182	0.218	0.249	0.273	0.291	0.302	0.306	0.302	0.291	0.273	0.249	0.218	0.182	0.141	0.096	0.049	0.000	
FINAL CAMBER ↑	0	1/8	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	1/8	0	
0.6"Ø LOW RELAXATION	GIRDER 4 (EXTERIOR)																					
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.116	0.170	0.219	0.263	0.300	0.330	0.351	0.364	0.369	0.364	0.351	0.330	0.300	0.263	0.219	0.170	0.116	0.059	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.046	0.090	0.132	0.171	0.205	0.234	0.257	0.274	0.284	0.288	0.284	0.274	0.257	0.234	0.205	0.171	0.132	0.090	0.046	0.000	
FINAL CAMBER ↑	0	1/8	5/16	7/16	9/16	11/16	13/16	7/8	15/16	15/16	1	15/16	15/16	7/8	13/16	11/16	9/16	7/16	5/16	1/8	0	

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

0.6"Ø LOW RELAXATION	SPAN C																					
	GIRDER 1 (EXTERIOR)											GIRDER 2 (INTERIOR)										
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	0.017	0.032	0.043	0.051	0.053	0.051	0.043	0.032	0.017	0.000	0.000	0.017	0.032	0.043	0.051	0.053	0.051	0.043	0.032	0.017	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.007	0.014	0.019	0.022	0.024	0.022	0.019	0.014	0.007	0.000	0.000	0.008	0.015	0.020	0.023	0.025	0.023	0.020	0.015	0.008	0.000
FINAL CAMBER ↑	0	1/8	3/16	5/16	5/16	3/8	5/16	5/16	3/16	1/8	0	0	1/8	3/16	1/4	5/16	5/16	5/16	1/4	3/16	1/8	0
0.6"Ø LOW RELAXATION	GIRDER 4 (EXTERIOR)											GIRDER 3 (INTERIOR)										
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	0.017	0.032	0.043	0.051	0.053	0.051	0.043	0.032	0.017	0.000	0.000	0.017	0.032	0.043	0.051	0.053	0.051	0.043	0.032	0.017	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.007	0.014	0.019	0.022	0.024	0.022	0.019	0.014	0.007	0.000	0.000	0.008	0.015	0.020	0.023	0.025	0.023	0.020	0.015	0.008	0.000
FINAL CAMBER ↑	0	1/8	3/16	5/16	5/16	3/8	5/16	5/16	3/16	1/8	0	0	1/8	3/16	1/4	5/16	5/16	5/16	1/4	3/16	1/8	0

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

PROJECT NO. R-2519B
YANCEY/MITCHELL COUNTY
STATION: 122+22.50 -L-

SHEET 1 OF 1

NORTH CAROLINA PROFESSIONAL SEAL 18442 ENGINEER RICHARD LEON BOLLINGER JR.

Digitally signed by Richard L Bollinger
Date: 2014.10.03 15:55:04 -04'00'

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
DEAD LOAD DEFLECTIONS (SPANS A-C)
RIGHT LANE

REVISIONS						
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			
2			4			

SHEET NO. S-113
TOTAL SHEETS 194

DWG. No. 059

DRAWN BY : JML DATE : 09/2014
CHECKED BY : JMR DATE : 09/2014
DESIGN ENGINEER OF RECORD : JMR DATE : 09/2014