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DEAD LOAD DEFLECTION TABLE FOR GIRDERS

0.6" Ø LOW RELAXATION	GIRDERS A1 & A5																				
TWENTIETH POINTS	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.038	0.076	0.111	0.144	0.173	0.197	0.216	0.230	0.239	0.242	0.239	0.230	0.216	0.197	0.173	0.144	0.111	0.076	0.038	0.000
✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.031	0.059	0.090	0.114	0.139	0.158	0.175	0.186	0.193	0.195	0.193	0.186	0.175	0.158	0.139	0.114	0.090	0.059	0.031	0.000
FINAL CAMBER ↑	0	1/16	3/16	1/4	3/8	7/16	7/16	1/2	1/2	9/16	9/16	9/16	1/2	1/2	7/16	7/16	3/8	1/4	3/16	1/16	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

0.6" Ø LOW RELAXATION	GIRDERS A2, A3, & A4																				
TWENTIETH POINTS	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.038	0.076	0.111	0.144	0.173	0.197	0.216	0.230	0.239	0.242	0.239	0.230	0.216	0.197	0.173	0.144	0.111	0.076	0.038	0.000
✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.033	0.062	0.094	0.120	0.146	0.166	0.183	0.195	0.203	0.205	0.203	0.195	0.183	0.166	0.146	0.120	0.094	0.062	0.033	0.000
FINAL CAMBER ↑	0	1/16	3/16	3/16	5/16	5/16	3/8	3/8	7/16	7/16	7/16	7/16	7/16	3/8	3/8	5/16	5/16	3/16	3/16	1/16	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: 24+11.31 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

DEAD LOAD DEFLECTIONS
SPAN A
(RIGHT LANE)

Prepared by
URS
URS Corporation - North Carolina
1600 Perimeter Park Drive, Suite 400
Morrisville, NC 27560
PHONE: 919 461-1100 FAX: 919 461-1415
NC LIC.# C-2243

10/13/2014
NORTH CAROLINA PROFESSIONAL SEAL 038447 ENGINEER ANDREW S. MILLER
DocuSigned by: Andrew S. Miller
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-39
1			3			TOTAL SHEETS
2			4			194

DRAWN BY : K.H. COMPTON DATE : 10/8/14
CHECKED BY : M.K. TOM DATE : 10/8/14
DESIGNED BY : K.H. COMPTON DATE : 10/8/14

10/13/2014
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STR #2