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DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN A

0.6″ Ø LOW RELAXATION — GIRDERS G1 & G4

TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.065	0.125	0.176	0.220	0.257	0.287	0.310	0.327	0.337	0.340	0.337	0.327	0.310	0.287	0.257	0.220	0.176	0.125	0.065	0
✱ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.021	0.045	0.067	0.087	0.105	0.121	0.133	0.142	0.147	0.149	0.147	0.142	0.133	0.121	0.105	0.087	0.067	0.045	0.021	0
FINAL CAMBER ↑	0	1/2″	15/16″	1 5/16″	1 9/16″	1 13/16″	2″	2 1/8″	2 3/16″	2 1/4″	2 5/16″	2 1/4″	2 3/16″	2 1/8″	2″	1 13/16″	1 9/16″	1 5/16″	15/16″	1/2″	0

0.6″ Ø LOW RELAXATION — GIRDERS G2 & G3

TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0	0.065	0.125	0.176	0.220	0.257	0.287	0.310	0.327	0.337	0.340	0.337	0.327	0.310	0.287	0.257	0.220	0.176	0.125	0.065	0
✱ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.023	0.049	0.074	0.096	0.116	0.134	0.147	0.157	0.163	0.165	0.163	0.157	0.147	0.134	0.116	0.096	0.074	0.049	0.023	0
FINAL CAMBER ↑	0	1/2″	7/8″	1 1/4″	1 1/2″	1 11/16″	1 7/8″	1 15/16″	2 1/16″	2 1/16″	2 1/8″	2 1/16″	2 1/16″	1 15/16″	1 7/8″	1 11/16″	1 1/2″	1 1/4″	7/8″	1/2″	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. U-2579B
FORSYTH COUNTY
STATION: 23+59.12 -Y5-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE

DEAD LOAD DEFLECTION AND GIRDER CAMBER

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-640
1			3			TOTAL SHEETS
2			4			S-707

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8/15/2014

DRAWN BY: S. D. COOPER DATE: 3-14
CHECKED BY: T. J. BEACH DATE: 3-14
DESIGN ENGINEER OF RECORD: M. AVERETTE DATE: 3-14

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