

DEAD LOAD DEFLECTION TABLE FOR EXTERIOR GIRDERS A1 & A5

TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER ↓	0	.004	.007	.010	.013	.016	.018	.020	.021	.022	.022	.022	.021	.020	.018	.016	.013	.010	.007	.004	0
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0	.012	.023	.034	.043	.052	.059	.065	.069	.072	.072	.072	.069	.065	.059	.052	.043	.034	.023	.012	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL ↓	0	.001	.002	.003	.004	.005	.006	.006	.006	.007	.007	.007	.006	.006	.006	.005	.004	.003	.002	.001	0
TOTAL DEAD LOAD DEFLECTION ↓	0	.017	.033	.048	.061	.073	.083	.091	.097	.101	.102	.101	.097	.091	.083	.073	.061	.048	.033	.017	0
VERTICAL CURVE ORDINATE ↑	0	.004	.008	.011	.014	.016	.018	.020	.021	.021	.022	.021	.021	.020	.018	.016	.014	.011	.008	.004	0
ORDINATE DUE TO SUPERELEVATION ↓	0	.000	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.000	.000	.000	.000	0
REQUIRED CAMBER ↑	0	21	41	59	74	88	100	110	117	121	123	121	117	110	100	88	75	59	41	21	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN METERS, EXCEPT "FINAL CAMBER" WHICH IS SHOWN IN MILLIMETERS.

DEAD LOAD DEFLECTION TABLE FOR INTERIOR GIRDERS A2 THRU A4

TENTH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER ↓	0	.004	.007	.010	.013	.016	.018	.020	.021	.022	.022	.022	.021	.020	.018	.016	.013	.010	.007	.004	0
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0	.011	.022	.032	.041	.049	.056	.062	.066	.068	.069	.068	.066	.062	.056	.049	.041	.032	.022	.011	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL ↓	0	.001	.002	.003	.004	.005	.006	.006	.007	.007	.007	.007	.007	.006	.006	.005	.004	.003	.002	.001	0
TOTAL DEAD LOAD DEFLECTION ↓	0	.016	.031	.046	.059	.070	.080	.088	.094	.097	.098	.097	.094	.088	.080	.070	.059	.046	.031	.016	0
VERTICAL CURVE ORDINATE ↑	0	.004	.008	.011	.014	.016	.018	.019	.020	.021	.021	.021	.020	.019	.018	.016	.014	.011	.008	.004	0
ORDINATE DUE TO SUPERELEVATION ↓	0	.000	.000	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.000	.000	.000	0
REQUIRED CAMBER ↑	0	20	39	57	72	85	97	106	113	117	118	117	113	106	97	85	72	57	39	20	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN METERS, EXCEPT "FINAL CAMBER" WHICH IS SHOWN IN MILLIMETERS.

PROJECT NO. R-2911A
IREDELL COUNTY
STATION: 41+59.472 -L-

SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

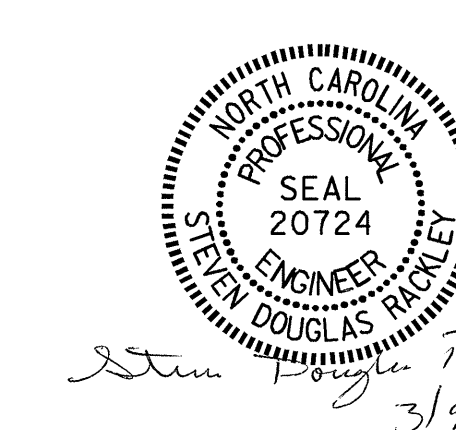
SUPERSTRUCTURE

DEAD LOAD DEFLECTIONS

(RIGHT LANE)

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

S-93
TOTAL SHEETS
106



DRAWN BY : M.K. BEARD DATE : 01/14/04
CHECKED BY : K.D. LAYNE DATE : 02/05/04