

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "A"																				
	GIRDER 11																				
	TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
DEFLECTION DUE TO WEIGHT OF GIRDER ↓	0.000	0.002	0.004	0.005	0.006	0.007	0.008	0.008	0.008	0.008	0.008	0.007	0.006	0.005	0.004	0.003	0.001	0.001	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.006	0.011	0.016	0.020	0.023	0.026	0.027	0.027	0.027	0.025	0.022	0.019	0.016	0.012	0.009	0.006	0.003	0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF RAIL ↓	0.000	0.000	0.001	0.002	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.001	0.000	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION ↓	0.000	0.008	0.016	0.023	0.029	0.033	0.037	0.039	0.039	0.038	0.036	0.032	0.028	0.023	0.018	0.013	0.008	0.004	0.001	0.000	0.000
VERTICAL CURVE ORDINATE ↓	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ORDINATE DUE TO SUPERELEVATION	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REQUIRED CAMBER	0	8	16	23	29	33	37	39	39	38	36	32	28	23	18	13	8	4	1	0	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "B"																				
	GIRDER 11																				
	TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
DEFLECTION DUE TO WEIGHT OF GIRDER ↓	0.000	0.001	0.001	0.003	0.004	0.006	0.008	0.009	0.010	0.012	0.012	0.013	0.013	0.013	0.012	0.011	0.009	0.007	0.006	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.002	0.005	0.009	0.014	0.020	0.025	0.031	0.036	0.040	0.043	0.045	0.045	0.044	0.042	0.037	0.032	0.025	0.017	0.009	0.000
DEFLECTION DUE TO WEIGHT OF RAIL	0.000	0.000	0.001	0.001	0.002	0.002	0.003	0.004	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.005	0.004	0.004	0.002	0.001	0.000
TOTAL DEAD LOAD DEFLECTION ↓	0.000	0.003	0.007	0.013	0.020	0.028	0.036	0.044	0.051	0.057	0.061	0.064	0.064	0.063	0.059	0.053	0.045	0.036	0.025	0.013	0.000
VERTICAL CURVE ORDINATE ↓	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ORDINATE DUE TO SUPERELEVATION	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REQUIRED CAMBER	0	3	7	13	20	28	36	44	51	57	61	64	64	63	59	53	45	36	25	13	0

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

PROJECT NO. U-2717
GUILFORD COUNTY
STATION: 40+56.584 -L-

SHEET 5 OF 5



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**SUPERSTRUCTURE
DEAD LOAD
DEFLECTIONS**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			5-24
2			4			TOTAL SHEETS 47

DRAWN BY : M. G. SHAIKH DATE : 08-13-04
CHECKED BY : D. A. GLADDEN DATE : 08-04