

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "A"																				
	GIRDERS 2,3																				
	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	0.003	0.005	0.006	0.007	0.008	0.008	0.008	0.008	0.008	0.007	0.005	0.005	0.004	0.003	0.001	0.001	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.007	0.013	0.019	0.024	0.027	0.030	0.032	0.032	0.031	0.029	0.026	0.023	0.019	0.014	0.010	0.007	0.003	0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF RAIL ↓	0.000	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.003	0.002	0.002	0.001	0.001	0.0001	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION ↓	0.000	0.009	0.018	0.026	0.032	0.037	0.041	0.043	0.044	0.043	0.040	0.036	0.031	0.026	0.020	0.014	0.009	0.005	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	9	18	26	32	37	41	43	44	43	40	36	31	26	20	14	9	5	2	0	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "B"																				
	GIRDERS 2,3																				
	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	0.007	0.009	0.010	0.012	0.012	0.012	0.013	0.013	0.012	0.010	0.009	0.007	0.005	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.002	0.006	0.011	0.017	0.023	0.030	0.036	0.042	0.047	0.051	0.053	0.053	0.052	0.049	0.044	0.038	0.030	0.020	0.011	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	0.005	0.006	0.006	0.005	0.005	0.005	0.004	0.003	0.003	0.001	0.000
TOTAL DEAD LOAD DEFLECTION ↓	0.000	0.003	0.008	0.015	0.023	0.031	0.040	0.049	0.057	0.064	0.068	0.071	0.072	0.070	0.066	0.059	0.051	0.040	0.028	0.014	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	8	15	23	31	40	49	57	64	68	71	72	70	66	59	51	40	28	14	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "A"																				
	GIRDER 4																				
	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	0.003	0.005	0.006	0.007	0.008	0.008	0.008	0.008	0.008	0.007	0.006	0.004	0.004	0.003	0.001	0.001	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.007	0.013	0.019	0.024	0.027	0.030	0.032	0.032	0.031	0.029	0.026	0.023	0.019	0.014	0.010	0.007	0.003	0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF RAIL ↓	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
TOTAL DEAD LOAD DEFLECTION ↓	0.000	0.008	0.016	0.024	0.030	0.034	0.038	0.040	0.040	0.039	0.037	0.033	0.029	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	24	30	35	38	40	40	39	37	33	29	24	18	13	8	4	1	0	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "B"																				
	GIRDER 4																				
	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	0.007	0.009	0.010	0.011	0.012	0.013	0.013	0.013	0.012	0.011	0.009	0.007	0.005	0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.002	0.006	0.011	0.017	0.023	0.030	0.036	0.042	0.047	0.051	0.053	0.053	0.052	0.049	0.044	0.038	0.030	0.020	0.011	0.000
DEFLECTION DUE TO WEIGHT OF RAIL ↓	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
TOTAL DEAD LOAD DEFLECTION ↓	0.000	0.003	0.007	0.014	0.021	0.029	0.037	0.045	0.052	0.058	0.063	0.066	0.066	0.065	0.061	0.055	0.047	0.037	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	14	21	29	37	45	52	58	63	66	66	65	61	55	47	37	26	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 2 OF 5

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUPERSTRUCTURE DEAD LOAD DEFLECTIONS					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
SHEET NO.					5-21
TOTAL SHEETS					47



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