

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
		SPAN "A"																				
		GIRDERS 7 & 8																				
TWENTIETH POINTS		0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	↓	0.000	0.002	0.003	0.005	0.006	0.007	0.008	0.008	0.008	0.008	0.007	0.006	0.005	0.004	0.003	0.002	0.001	0.000	0.000	0.000	
DEFLECTION DUE TO WEIGHT OF SLAB *	↓	0.000	0.006	0.013	0.018	0.023	0.026	0.029	0.031	0.031	0.030	0.028	0.025	0.022	0.018	0.014	0.010	0.006	0.003	0.001	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	
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	
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	
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	
REQUIRED CAMBER		0	8	16	23	29	33	37	39	39	38	36	32	28	23	18	13	8	4	1	0	

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
		SPAN "B"																				
		GIRDERS 7 & 8																				
TWENTIETH POINTS		0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	↓	0.000	0.001	0.001	0.002	0.004	0.006	0.007	0.009	0.010	0.012	0.012	0.013	0.013	0.013	0.012	0.011	0.009	0.008	0.005	0.003	
DEFLECTION DUE TO WEIGHT OF SLAB *	↓	0.000	0.002	0.006	0.011	0.016	0.022	0.029	0.035	0.041	0.045	0.049	0.051	0.051	0.050	0.047	0.042	0.036	0.028	0.020	0.010	
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	
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	
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	
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	
REQUIRED CAMBER		0	3	7	13	20	28	36	44	51	57	61	64	64	63	59	53	45	36	25	13	

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
		SPAN "A"																				
		GIRDERS 9 & 10																				
TWENTIETH POINTS		0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	↓	0.000	0.002	0.003	0.005	0.005	0.007	0.008	0.008	0.008	0.008	0.007	0.005	0.005	0.003	0.003	0.002	0.002	0.000	0.000	0.000	
DEFLECTION DUE TO WEIGHT OF SLAB *	↓	0.000	0.006	0.013	0.018	0.023	0.026	0.029	0.031	0.031	0.030	0.028	0.025	0.022	0.018	0.014	0.010	0.006	0.003	0.001	0.000	
DEFLECTION DUE TO WEIGHT OF RAIL	↓	0.000	0.001	0.001	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.001	0.000	0.000	0.000	
TOTAL DEAD LOAD DEFLECTION	↓	0.000	0.009	0.017	0.025	0.031	0.036	0.040	0.042	0.042	0.041	0.039	0.035	0.030	0.025	0.019	0.014	0.009	0.005	0.001	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	
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	
REQUIRED CAMBER		0	9	17	25	31	36	40	42	43	41	39	35	30	25	19	14	9	5	1	0	

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
		SPAN "B"																				
		GIRDERS 9 & 10																				
TWENTIETH POINTS		0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	↓	0.000	0.001	0.001	0.002	0.004	0.006	0.007	0.009	0.010	0.012	0.012	0.012	0.013	0.012	0.012	0.011	0.009	0.008	0.005	0.003	
DEFLECTION DUE TO WEIGHT OF SLAB *	↓	0.000	0.002	0.006	0.011	0.016	0.022	0.029	0.035	0.041	0.045	0.049	0.051	0.051	0.050	0.047	0.042	0.036	0.028	0.020	0.010	
DEFLECTION DUE TO WEIGHT OF RAIL	↓	0.000	0.000	0.001	0.001	0.002	0.003	0.003	0.004	0.004	0.005	0.006	0.006	0.006	0.006	0.005	0.005	0.004	0.003	0.002	0.001	
TOTAL DEAD LOAD DEFLECTION	↓	0.000	0.003	0.008	0.014	0.022	0.031	0.039	0.048	0.055	0.062	0.067	0.069	0.070	0.068	0.064	0.058	0.049	0.039	0.027	0.014	
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	
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	
REQUIRED CAMBER		0	3	8	14	22	31	39	48	55	62	67	69	70	68	64	58	49	39	27	14	

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

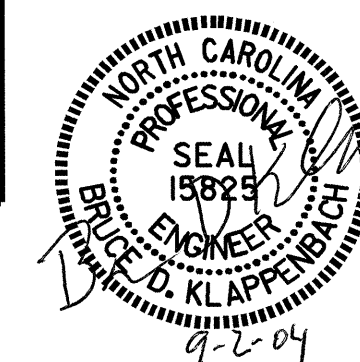
PROJECT NO. U-2717  
GUILFORD COUNTY  
STATION: 40+56.584 -L-

SHEET 4 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			5-23
2			4			TOTAL SHEETS 47



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