

NOTE

SLOPE FOR THE ZERO CAMBER BASELINE VARIES

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN A																					
GIRDERS #1 & #6																					
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	0.000	0.002	0.003	0.005	0.006	0.007	0.008	0.008	0.008	0.008	0.008	0.007	0.007	0.006	0.005	0.004	0.003	0.002	0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.006	0.012	0.017	0.022	0.025	0.028	0.030	0.031	0.031	0.030	0.028	0.025	0.021	0.018	0.014	0.010	0.006	0.003	0.001	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.002	0.003	0.003	0.004	0.004	0.004	0.005	0.005	0.004	0.004	0.004	0.003	0.003	0.002	0.002	0.001	0.001	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.009	0.017	0.025	0.031	0.036	0.040	0.042	0.044	0.044	0.042	0.039	0.036	0.030	0.026	0.020	0.015	0.009	0.005	0.001	0.000
VERTICAL CURVE ORDINATE	0.000	0.004	0.007	0.010	0.013	0.015	0.017	0.018	0.019	0.020	0.020	0.020	0.019	0.018	0.017	0.015	0.013	0.010	0.007	0.004	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	13	24	35	44	51	57	60	63	64	62	59	55	48	43	35	28	19	12	5	0

\* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.

ALL VALUES ARE SHOWN IN METERS, EXCEPT "REQUIRED CAMBER" WHICH IS SHOWN IN MILLIMETERS.

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN B																					
GIRDERS #1 & #6																					
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	0.000	0.000	0.001	0.002	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.008	0.008	0.008	0.007	0.006	0.006	0.004	0.003	0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.001	0.003	0.005	0.009	0.012	0.016	0.020	0.023	0.026	0.028	0.029	0.029	0.029	0.027	0.024	0.021	0.016	0.011	0.006	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.002	0.002	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.001	0.004	0.008	0.012	0.017	0.023	0.028	0.033	0.037	0.040	0.041	0.041	0.041	0.038	0.034	0.030	0.022	0.016	0.009	0.000
VERTICAL CURVE ORDINATE	0.000	0.004	0.007	0.010	0.013	0.015	0.016	0.018	0.019	0.019	0.019	0.019	0.019	0.018	0.016	0.015	0.013	0.010	0.007	0.004	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	5	11	18	25	32	39	46	52	56	59	60	60	59	54	49	43	32	23	13	0

\* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.

ALL VALUES ARE SHOWN IN METERS, EXCEPT "REQUIRED CAMBER" WHICH IS SHOWN IN MILLIMETERS.

PROJECT NO. R-513A  
ROBESON COUNTY  
 STATION: 68+75.743 -L-

SHEET 1 OF 2



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SUPERSTRUCTURE  
 DEAD LOAD DEFLECTIONS**

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	5-49	
1			3			TOTAL SHEETS	172
2			4				

DRAWN BY : N. O. TRAN DATE : 10/17/02  
 CHECKED BY : T.A. WALTER DATE : 11/10/02