

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																																										
TWENTIETH POINTS	SPAN A																SPAN B																									
	GIRDERS 1 & 5																GIRDERS 1 & 5																									
	BRG.	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	BRG.	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	BRG.	
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.002	0.004	0.006	0.007	0.008	0.009	0.010	0.010	0.010	0.009	0.008	0.007	0.006	0.005	0.004	0.002	0.001	0.001	0.000	0.000	0.000	0.001	0.002	0.004	0.005	0.007	0.008	0.010	0.011	0.012	0.012	0.012	0.012	0.012	0.010	0.009	0.007	0.005	0.003	0.000	
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.009	0.017	0.024	0.030	0.035	0.039	0.041	0.042	0.041	0.038	0.035	0.030	0.025	0.020	0.015	0.010	0.006	0.002	0.000	0.000	0.002	0.005	0.010	0.015	0.022	0.028	0.035	0.041	0.046	0.050	0.052	0.053	0.052	0.049	0.044	0.038	0.030	0.021	0.011	0.000	
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.003	0.004	0.005	0.006	0.006	0.006	0.007	0.006	0.006	0.006	0.005	0.004	0.003	0.003	0.002	0.001	0.001	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.007	0.006	0.005	0.003	0.002	0.000	
TOTAL DEAD LOAD DEFLECTION	0.000	0.012	0.024	0.034	0.042	0.049	0.054	0.057	0.059	0.057	0.053	0.049	0.042	0.035	0.028	0.022	0.014	0.008	0.004	0.000	0.000	0.002	0.007	0.014	0.022	0.031	0.040	0.049	0.058	0.064	0.070	0.072	0.073	0.072	0.069	0.061	0.053	0.042	0.029	0.016	0.000	
VERTICAL CURVE ORDINATE	0.000	0.005	0.010	0.014	0.018	0.021	0.023	0.025	0.027	0.027	0.028	0.027	0.027	0.025	0.023	0.021	0.018	0.014	0.010	0.005	0.000	0.006	0.011	0.015	0.019	0.022	0.025	0.027	0.028	0.029	0.030	0.029	0.028	0.027	0.025	0.022	0.019	0.015	0.011	0.006	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	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	17	34	48	60	70	77	82	86	84	81	76	69	60	51	43	32	22	14	5	0	8	18	29	41	53	65	76	86	93	100	101	101	99	94	83	72	57	40	22	0	

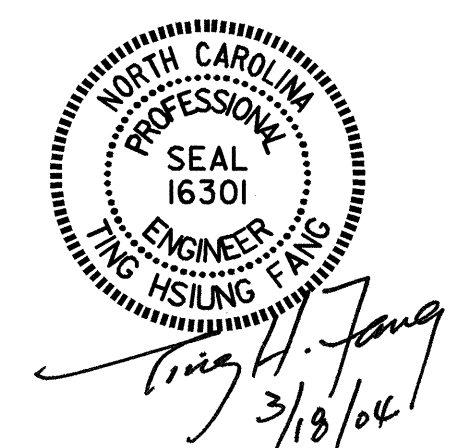
* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN METERS, EXCEPT "REQUIRED CAMBER" WHICH IS SHOWN IN MILLIMETERS.

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																																										
TWENTIETH POINTS	SPAN A																SPAN B																									
	GIRDERS 2 THRU 4																GIRDERS 2 THRU 4																									
	BRG.	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	BRG.	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	BRG.	
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.002	0.004	0.006	0.007	0.008	0.009	0.010	0.010	0.010	0.009	0.008	0.007	0.006	0.005	0.004	0.002	0.001	0.001	0.000	0.000	0.000	0.001	0.002	0.004	0.005	0.007	0.008	0.010	0.011	0.012	0.012	0.012	0.012	0.010	0.009	0.007	0.005	0.003	0.000		
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.010	0.019	0.027	0.035	0.040	0.044	0.047	0.047	0.046	0.044	0.040	0.035	0.029	0.023	0.017	0.011	0.007	0.003	0.001	0.000	0.002	0.006	0.011	0.018	0.025	0.032	0.040	0.046	0.052	0.057	0.060	0.060	0.059	0.056	0.050	0.043	0.034	0.024	0.012	0.000	
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.003	0.004	0.005	0.005	0.006	0.006	0.007	0.006	0.006	0.006	0.005	0.004	0.003	0.003	0.002	0.001	0.001	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.006	0.007	0.008	0.008	0.008	0.008	0.008	0.007	0.006	0.005	0.003	0.002	0.000	
TOTAL DEAD LOAD DEFLECTION	0.000	0.013	0.026	0.037	0.047	0.053	0.059	0.063	0.064	0.062	0.059	0.054	0.047	0.039	0.031	0.024	0.015	0.009	0.005	0.001	0.000	0.002	0.008	0.015	0.025	0.034	0.044	0.054	0.062	0.070	0.077	0.080	0.080	0.079	0.076	0.067	0.058	0.046	0.032	0.017	0.000	
VERTICAL CURVE ORDINATE	0.000	0.005	0.010	0.014	0.018	0.021	0.023	0.025	0.027	0.027	0.028	0.027	0.027	0.025	0.023	0.021	0.018	0.014	0.010	0.005	0.000	0.006	0.011	0.015	0.019	0.022	0.025	0.027	0.028	0.029	0.030	0.029	0.028	0.027	0.025	0.022	0.019	0.015	0.011	0.006	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	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	18	36	51	65	74	82	88	91	89	87	81	74	64	54	45	33	23	15	6	0	8	19	30	44	56	69	81	90	99	107	109	108	106	101	89	77	61	43	23	0	

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

NOTE
SLOPE FOR THE ZERO CAMBER BASE LINE VARIES

PROJECT NO. R-513BB
ROBESON COUNTY
STATION: 179+16.663 -L-



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**SUPERSTRUCTURE
DEAD LOAD DEFLECTIONS**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-13
1			3			TOTAL SHEETS
2			4			312

DRAWN BY: T.A. WALTER DATE: 11/27/02
CHECKED BY: N.Q. TRAN DATE: 1/93