

NOTE :

SLOPE TO ZERO BASELINE VARIES

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN A																					
EXTERIOR GIRDERS #1 & #8																					
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	0.001	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.002	0.002	0.001	0.001	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.004	0.008	0.012	0.015	0.018	0.020	0.021	0.021	0.021	0.020	0.019	0.017	0.015	0.012	0.009	0.006	0.004	0.002	0.001	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.001	0.001	0.001	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.006	0.011	0.016	0.020	0.025	0.027	0.028	0.028	0.028	0.027	0.026	0.022	0.020	0.016	0.012	0.008	0.006	0.002	0.001	0.000
VERTICAL CURVE ORDINATE	0.000	0.003	0.005	0.007	0.009	0.011	0.012	0.013	0.014	0.014	0.014	0.014	0.014	0.013	0.012	0.011	0.009	0.007	0.005	0.003	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	16	23	29	36	39	41	42	42	41	40	36	33	28	23	17	13	7	4	0

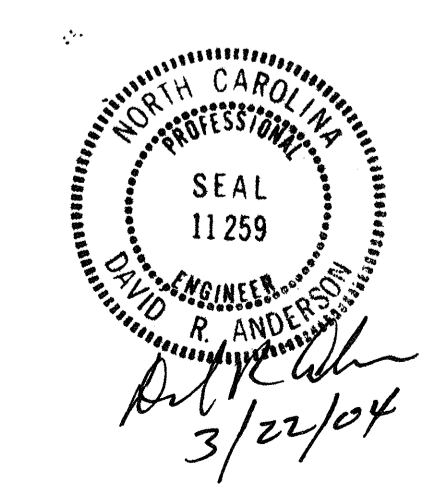
* INCLUDES FUTURE WEARING SURFACE
ALL VALUES ARE SHOWN IN METERS, EXCEPT "REQUIRED CAMBER" WHICH IS SHOWN IN MILLIMETERS.
POSITIVE CAMBER = UPWARD CAMBER

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN A																					
INTERIOR GIRDERS #2 THRU #7																					
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	0.001	0.002	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.002	0.002	0.001	0.001	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.005	0.010	0.014	0.018	0.021	0.023	0.024	0.025	0.025	0.024	0.022	0.020	0.017	0.014	0.011	0.008	0.005	0.002	0.001	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.001	0.002	0.003	0.003	0.003	0.004	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
TOTAL DEAD LOAD DEFLECTION	0.000	0.007	0.013	0.018	0.024	0.028	0.030	0.032	0.033	0.033	0.031	0.029	0.026	0.023	0.018	0.015	0.010	0.007	0.002	0.001	0.000
VERTICAL CURVE ORDINATE	0.000	0.003	0.005	0.007	0.009	0.011	0.012	0.013	0.014	0.014	0.014	0.014	0.014	0.013	0.012	0.011	0.009	0.007	0.005	0.003	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	10	18	25	33	39	42	45	47	47	45	43	40	36	30	26	19	14	7	4	0

* INCLUDES FUTURE WEARING SURFACE.
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POSITIVE CAMBER = UPWARD CAMBER

PROJECT NO. R-513C
ROBESON COUNTY
STATION: 298+57.237 -L-

SHEET 1 OF 2



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
DEAD LOAD DEFLECTIONS
SPAN A

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS	
1			3			5	258
2			4			3	12

DRAWN BY : S. M. RASHIDI DATE : 8-28-01
CHECKED BY : N. Q. TRAN DATE : 9-19-02