DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	SPAN A																				
	EXTERIOR GIRDERS #1 & #4																				
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	0.003	0.004	0.004	0.005	0.006	0.006	0.006	0.005	0.005	0.004	0.003	0.002	0.002	0.001	0.000	0.000	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.005	0.009	0.013	0.016	0.018	0.020	0.021	0.020	0.019	0.017	0.014	0.011	0.008	0.005	0.002	0.000	-0.002	-0.001	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.002	0.002	0.003	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	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.007	0.014	0.019	0.023	0.027	0.030	0.031	0.030	0.028	0.025	0.021	0.018	0.012	0.008	0.004	0.000	-0.002	-0.001	-0.002	0.000
VERTICAL CURVE ORDINATE	0.000	0.007	0.013	0.019	0.024	0.028	0.031	0.034	0.035	0.037	0.037	0.037	0.035	0.034	0.031	0.027	0.024	0.019	0.013	0.007	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	14	27	38	47	55	61	65	65	65	62	58	53	46	39	31	24	17	12	5	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 & #3																				
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	0.003	0.004	0.004	0.005	0.006	0.006	0.006	0.005	0.005	0.004	0.003	0.002	0.002	0.001	0.000	0.000	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.006	0.011	0.015	0.019	0.022	0.024	0.025	0.024	0.023	0.020	0.017	0.013	0.009	0.006	0.002	-0.001	-0.001	-0.003	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.002	0.002	0.003	0.003	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	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.008	0.016	0.021	0.026	0.030	0.034	0.035	0.034	0.032	0.028	0.024	0.018	0.013	0.009	0.004	-0.001	-0.001	-0.003	-0.002	0.000
VERTICAL CURVE ORDINATE	0.000	0.007	0.013	0.019	0.024	0.028	0.031	0.034	0.035	0.037	0.037	0.037	0.035	0.034	0.031	0.027	0.024	0.019	0.013	0.007	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	15	29	40	50	58	65	69	69	69	65	61	53	47	40	31	23	18	10	5	0

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

NOTE :

SLOPE TO ZERO BASELINE VARIES

PROJECT NO. R-513C
ROBESON COUNTY
STATION: 271+08.001 -L-

NORTH CAROLINA PROFESSIONAL SEAL 11259 ENGINEER DAVID R ANDERSON
3/22/04

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
DEAD LOAD DEFLECTIONS
SPAN A

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-109
1			3			TOTAL SHEETS
2			4			312

DRAWN BY : N. Q. TRAN DATE : 8-02
CHECKED BY : T.A. WALTER DATE : 8/02