

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN A																					
GIRDERS #2 THRU #5																					
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	0.009	0.009	0.009	0.009	0.008	0.008	0.007	0.006	0.005	0.003	0.002	0.001	0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.011	0.022	0.032	0.041	0.048	0.054	0.058	0.060	0.060	0.059	0.055	0.051	0.045	0.038	0.030	0.023	0.016	0.009	0.004	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.002	0.004	0.005	0.005	0.006	0.006	0.007	0.007	0.007	0.006	0.006	0.005	0.004	0.003	0.002	0.002	0.001	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.014	0.027	0.041	0.052	0.060	0.068	0.073	0.076	0.076	0.075	0.069	0.065	0.057	0.048	0.038	0.028	0.020	0.011	0.006	0.000
VERTICAL CURVE ORDINATE	0.000	0.002	0.003	0.005	0.006	0.007	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.008	0.008	0.007	0.006	0.005	0.003	0.002	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	16	30	46	58	67	76	81	85	85	84	78	74	65	56	45	34	25	14	8	0

NOTES
 SLOPE TO ZERO BASELINE VARIES
 * INCLUDES FUTURE WEARING SURFACE.
 ALL VALUES ARE SHOWN IN METERS, EXCEPT "REQUIRED CAMBER" WHICH IS SHOWN IN MILLIMETERS.
 POSITIVE VALUES = UPWARD CAMBER

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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	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.000	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.001	-0.002	-0.004	-0.003	0.000	0.001	0.003	0.005	0.007	0.008	0.009	0.009	0.008	0.007	0.005	0.004	0.002	0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.001	-0.002	-0.004	-0.003	0.000	0.001	0.005	0.007	0.009	0.011	0.012	0.012	0.011	0.009	0.007	0.006	0.002	0.001	0.000	0.000
VERTICAL CURVE ORDINATE	0.000	0.002	0.003	0.005	0.006	0.007	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.008	0.008	0.007	0.006	0.005	0.003	0.002	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	1	1	1	3	7	9	13	16	18	20	21	21	19	17	14	12	7	4	2	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN C																					
GIRDERS #2 THRU #5																					
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	0.000	0.001	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.002	0.002	0.001	0.001	0.000	0.000	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.001	0.002	0.004	0.007	0.009	0.011	0.013	0.014	0.014	0.014	0.013	0.011	0.009	0.006	0.004	0.001	0.000	-0.001	-0.001	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.001	0.002	0.006	0.009	0.012	0.014	0.017	0.018	0.019	0.019	0.017	0.014	0.012	0.008	0.006	0.001	0.000	-0.001	-0.001	0.000
VERTICAL CURVE ORDINATE	0.000	0.002	0.003	0.005	0.006	0.007	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.008	0.008	0.007	0.006	0.005	0.003	0.002	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	3	5	11	15	19	22	25	27	28	28	26	23	20	16	13	7	5	2	1	0

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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	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.004	0.004	0.002	0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.002	0.006	0.010	0.015	0.020	0.025	0.030	0.034	0.038	0.040	0.041	0.041	0.040	0.038	0.034	0.029	0.023	0.016	0.008	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.001	0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.004	0.004	0.004	0.003	0.003	0.002	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.002	0.008	0.013	0.019	0.025	0.032	0.038	0.043	0.048	0.051	0.052	0.052	0.050	0.048	0.043	0.036	0.030	0.020	0.010	0.000
VERTICAL CURVE ORDINATE	0.000	0.002	0.003	0.005	0.006	0.007	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.008	0.008	0.007	0.006	0.005	0.003	0.002	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	4	11	18	25	32	40	46	52	57	60	61	61	58	56	50	42	35	23	12	0

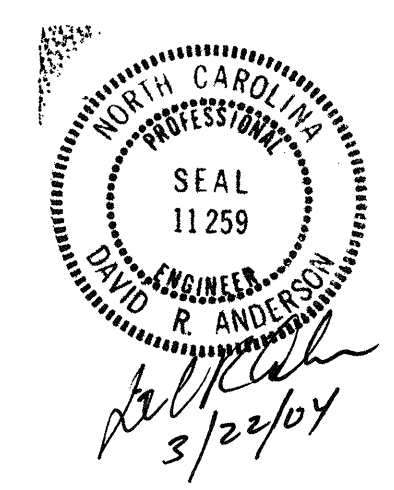
PROJECT NO. R-513C
ROBESON COUNTY
 STATION: 277+68.339 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SUPERSTRUCTURE
 DEAD LOAD DEFLECTIONS**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	5-182
1			3			TOTAL SHEETS 312
2			4			



DRAWN BY: T.A. WALTER DATE: 9/10/02
 CHECKED BY: N.Q. TRAN DATE: 11/01/02