DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	SPAN A																				
	GIRDER 1																				
TWENTIETH POINTS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DEFLECTION DUE TO WEIGHT OF GIRDER	0	0.002	0.003	0.005	0.007	0.008	0.009	0.010	0.010	0.010	0.010	0.009	0.008	0.007	0.006	0.004	0.003	0.002	0.001	0.001	0
DEFLECTION DUE TO WEIGHT OF SLAB *	0	0.008	0.015	0.022	0.028	0.033	0.036	0.039	0.040	0.040	0.039	0.037	0.033	0.029	0.024	0.019	0.014	0.009	0.005	0.002	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.001	0.003	0.004	0.005	0.006	0.007	0.007	0.007	0.008	0.007	0.007	0.007	0.006	0.005	0.004	0.003	0.002	0.001	0.000	0
TOTAL DEAD LOAD DEFLECTION	0	0.011	0.021	0.031	0.040	0.047	0.052	0.056	0.057	0.058	0.056	0.053	0.048	0.042	0.035	0.027	0.020	0.013	0.007	0.003	0
VERTICAL CURVE ORDINATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REQUIRED CAMBER	0	11	21	31	40	47	52	56	57	58	56	53	48	42	35	27	20	13	7	3	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	SPAN A																				
	GIRDER 2																				
TWENTIETH POINTS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DEFLECTION DUE TO WEIGHT OF GIRDER	0	0.002	0.004	0.005	0.006	0.007	0.008	0.009	0.009	0.009	0.009	0.008	0.008	0.007	0.005	0.004	0.003	0.002	0.001	0.000	0
DEFLECTION DUE TO WEIGHT OF SLAB *	0	0.007	0.014	0.021	0.027	0.031	0.035	0.037	0.038	0.038	0.037	0.034	0.031	0.027	0.023	0.018	0.013	0.008	0.004	0.002	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.001	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.006	0.005	0.004	0.003	0.002	0.002	0.001	0.000	0
TOTAL DEAD LOAD DEFLECTION	0	0.010	0.021	0.030	0.038	0.044	0.049	0.053	0.054	0.054	0.053	0.049	0.045	0.039	0.032	0.025	0.018	0.012	0.006	0.002	0
VERTICAL CURVE ORDINATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REQUIRED CAMBER	0	10	21	30	38	44	49	53	54	54	53	49	45	39	32	25	18	12	6	2	0

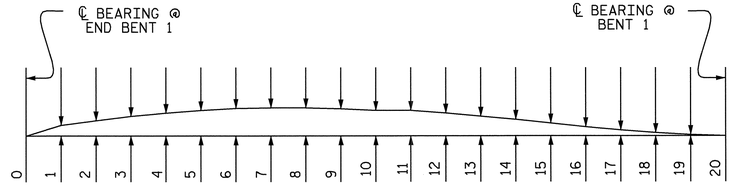
DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	SPAN A																				
	GIRDER 3																				
TWENTIETH POINTS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DEFLECTION DUE TO WEIGHT OF GIRDER	0	0.002	0.003	0.005	0.006	0.007	0.008	0.008	0.009	0.009	0.009	0.008	0.007	0.006	0.005	0.004	0.003	0.002	0.001	0.001	0
DEFLECTION DUE TO WEIGHT OF SLAB *	0	0.007	0.014	0.020	0.026	0.030	0.034	0.036	0.037	0.037	0.035	0.034	0.030	0.026	0.022	0.017	0.012	0.008	0.004	0.001	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.001	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.006	0.006	0.005	0.004	0.003	0.002	0.001	0.001	0.000	0
TOTAL DEAD LOAD DEFLECTION	0	0.010	0.020	0.029	0.037	0.043	0.048	0.051	0.053	0.053	0.051	0.048	0.043	0.037	0.031	0.024	0.017	0.011	0.006	0.002	0
VERTICAL CURVE ORDINATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REQUIRED CAMBER	0	10	20	29	37	43	48	51	53	53	51	48	43	37	31	24	17	11	6	2	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	SPAN A																				
	GIRDER 4																				
TWENTIETH POINTS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DEFLECTION DUE TO WEIGHT OF GIRDER	0	0.002	0.003	0.005	0.006	0.007	0.008	0.009	0.009	0.009	0.008	0.008	0.007	0.006	0.005	0.004	0.003	0.002	0.001	0.000	0
DEFLECTION DUE TO WEIGHT OF SLAB *	0	0.007	0.014	0.020	0.025	0.030	0.034	0.035	0.036	0.036	0.035	0.033	0.029	0.025	0.020	0.016	0.011	0.007	0.003	0.001	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.001	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.006	0.006	0.005	0.004	0.003	0.002	0.001	0.001	0.000	0
TOTAL DEAD LOAD DEFLECTION	0	0.010	0.020	0.029	0.036	0.043	0.048	0.051	0.052	0.052	0.050	0.047	0.042	0.036	0.029	0.023	0.016	0.010	0.005	0.001	0
VERTICAL CURVE ORDINATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REQUIRED CAMBER	0	10	20	29	36	43	48	51	52	52	50	47	42	36	29	23	16	10	5	1	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN METERS, EXCEPT "FINAL CAMBER" WHICH IS SHOWN IN MILLIMETERS.
THERE IS NO CAMBER DISSIPATION DUE TO HEAT CURVING.



SCHEMATIC CAMBER ORDINATES

SLOPE FOR ZERO CAMBER BASE LINE VARIES.

PROJECT NO. R-0977A
CHEROKEE COUNTY
STATION: 41+19.524-LREV-

SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

DEAD LOAD DEFLECTION TABLES

SPAN A

NORTH CAROLINA PROFESSIONAL SEAL 21638 ENGINEER LAURA E. SUTTON
Laura E. Sutton 12/22/04

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-142
1			3			TOTAL SHEETS
2			4			230

STR. #4

DRAWN BY : B.N.BARODAWALA DATE : 10-12-04
CHECKED BY : MIKE ALLEN DATE : 10-04

21-DEC-2004 07:31
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lsutton