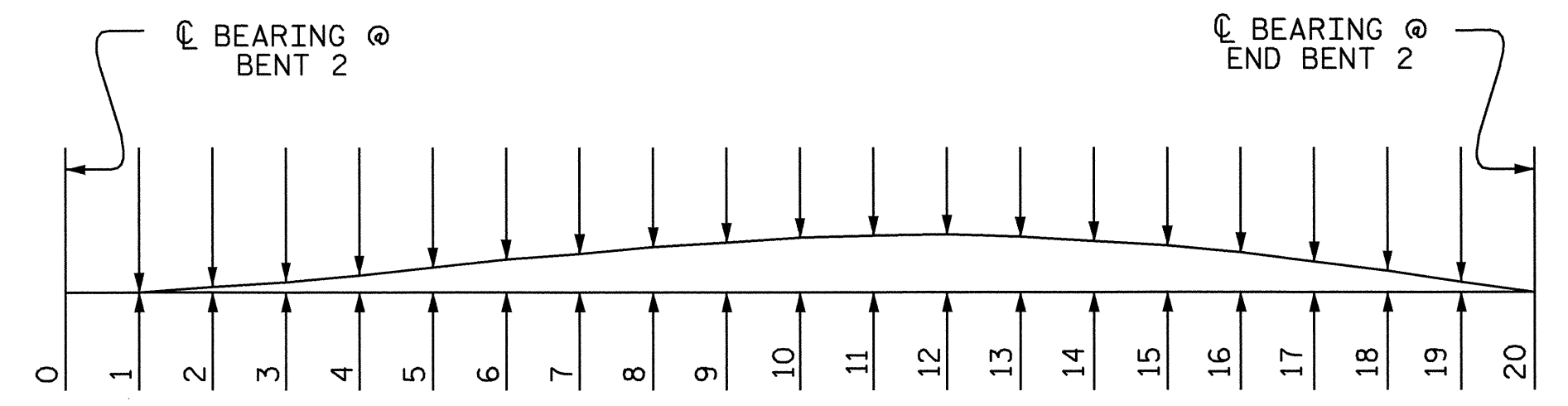


DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN C																					
GIRDER 1																					
TWENTIETH POINTS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.008	0.009	0.009	0.009	0.008	0.007	0.006	0.005	0.003	0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.001	0.003	0.007	0.011	0.015	0.020	0.025	0.029	0.032	0.035	0.036	0.036	0.035	0.034	0.030	0.026	0.020	0.014	0.007	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.001	0.001	0.002	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	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.001	0.005	0.010	0.016	0.022	0.029	0.036	0.042	0.046	0.050	0.052	0.052	0.051	0.048	0.043	0.037	0.029	0.002	0.010	0.000
VERTICAL CURVE ORDINATE	0.000	0.000	-0.001	0.001	-0.002	-0.002	-0.003	-0.003	-0.003	-0.004	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.004	-0.004	-0.003	-0.001	0.000
REQUIRED CAMBER	0	1	4	9	14	20	26	33	39	42	46	47	47	46	43	38	33	25	17	9	0



SCHEMATIC CAMBER ORDINATES
SLOPE FOR ZERO CAMBER BASE LINE VARIES.

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN C																					
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	0.000	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.008	0.009	0.009	0.009	0.008	0.007	0.006	0.005	0.003	0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.002	0.004	0.008	0.012	0.017	0.021	0.026	0.030	0.033	0.035	0.036	0.036	0.035	0.033	0.029	0.025	0.020	0.014	0.007	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.001	0.001	0.002	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	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.002	0.006	0.011	0.017	0.024	0.030	0.037	0.043	0.047	0.050	0.052	0.052	0.051	0.047	0.042	0.036	0.029	0.020	0.010	0.000
VERTICAL CURVE ORDINATE	0.000	-0.001	-0.001	-0.002	-0.002	-0.003	-0.003	-0.004	-0.004	-0.005	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.005	-0.004	-0.003	-0.002	0.000
REQUIRED CAMBER	0	1	5	9	15	21	27	33	39	42	44	46	46	45	41	36	31	25	17	8	0

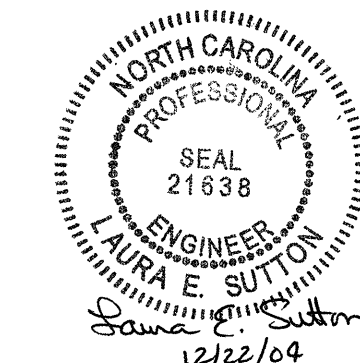
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN C																					
GIRDER 3																					
TWENTIETH POINTS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.009	0.009	0.009	0.008	0.007	0.006	0.005	0.003	0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.002	0.004	0.008	0.012	0.018	0.023	0.028	0.031	0.034	0.035	0.037	0.037	0.036	0.035	0.031	0.026	0.020	0.014	0.007	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.001	0.002	0.003	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	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.002	0.006	0.012	0.018	0.025	0.032	0.039	0.044	0.048	0.051	0.053	0.053	0.052	0.049	0.044	0.037	0.029	0.020	0.010	0.000
VERTICAL CURVE ORDINATE	0.000	-0.001	-0.001	-0.002	-0.003	-0.004	-0.004	-0.005	-0.006	-0.006	-0.007	-0.007	-0.008	-0.007	-0.007	-0.007	-0.006	-0.005	-0.003	-0.002	0.000
REQUIRED CAMBER	0	1	5	10	15	21	28	34	38	42	44	46	45	45	42	37	31	24	17	8	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN C																					
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	0.000	0.001	0.001	0.002	0.003	0.005	0.006	0.007	0.008	0.009	0.009	0.010	0.010	0.009	0.009	0.008	0.007	0.005	0.004	0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.002	0.005	0.009	0.014	0.018	0.023	0.028	0.033	0.035	0.039	0.039	0.039	0.039	0.035	0.032	0.027	0.021	0.014	0.008	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.005	0.004	0.003	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.003	0.007	0.013	0.020	0.027	0.034	0.041	0.047	0.051	0.055	0.056	0.056	0.055	0.051	0.046	0.039	0.030	0.021	0.011	0.000
VERTICAL CURVE ORDINATE	0.000	-0.001	-0.002	-0.003	-0.004	-0.004	-0.005	-0.006	-0.007	-0.008	-0.008	-0.009	-0.009	-0.008	-0.008	-0.007	-0.006	-0.005	-0.004	-0.002	0.000
REQUIRED CAMBER	0	2	5	10	16	23	29	35	40	43	47	47	47	47	43	39	33	25	17	9	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.

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

21-DEC-2004 07:30
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lsutton



PROJECT NO. R0977A
CHEROKEE COUNTY
STATION: 41+19.524-LREV-
SHEET 3 OF 3

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					SHEET NO. S-144	
SUPERSTRUCTURE DEAD LOAD DEFLECTION TABLES SPAN C					TOTAL SHEETS 230	
REVISIONS						
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			
2			4			