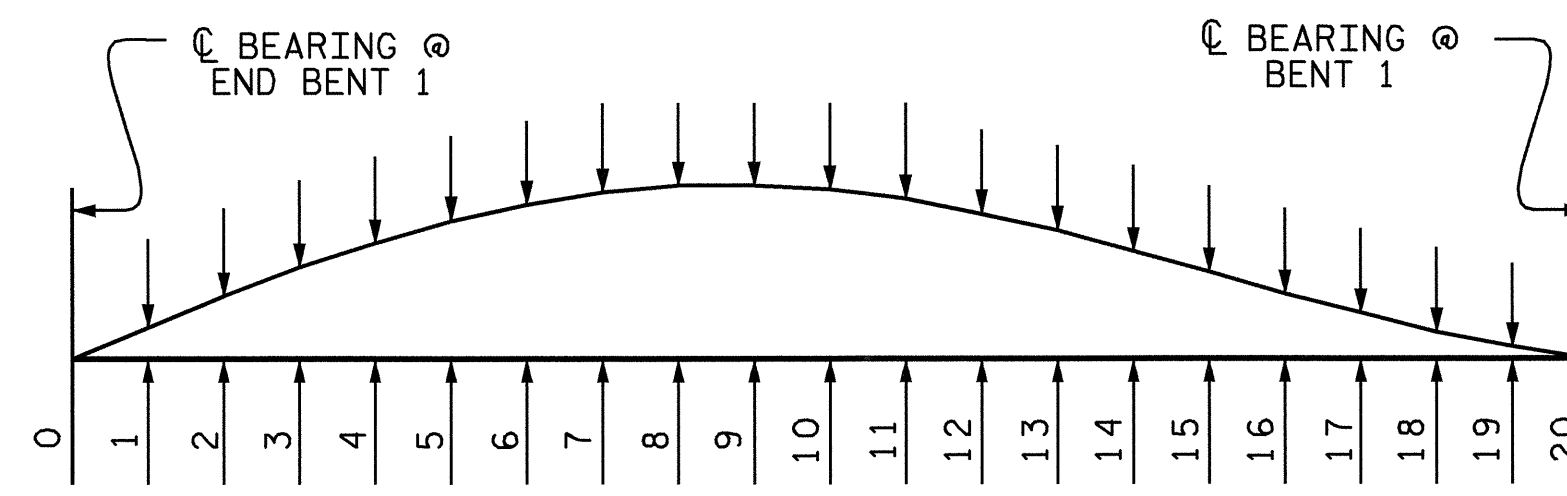


DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN A																					
GIRDER 1																					
TWENTIETH POINTS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.008	0.016	0.024	0.030	0.036	0.040	0.043	0.045	0.045	0.044	0.042	0.038	0.034	0.028	0.023	0.017	0.012	0.007	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.024	0.048	0.069	0.088	0.104	0.116	0.125	0.130	0.130	0.127	0.120	0.109	0.097	0.081	0.065	0.049	0.035	0.020	0.009	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.002	0.004	0.006	0.007	0.009	0.010	0.011	0.011	0.011	0.011	0.010	0.009	0.008	0.007	0.006	0.004	0.003	0.002	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.034	0.068	0.099	0.125	0.149	0.166	0.179	0.186	0.186	0.182	0.172	0.156	0.139	0.116	0.094	0.070	0.050	0.029	0.013	0.000
REQUIRED CAMBER	0	34	68	99	125	149	166	179	186	186	182	172	156	139	116	94	70	50	29	13	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	0.000	0.008	0.016	0.022	0.029	0.034	0.038	0.040	0.042	0.042	0.041	0.039	0.035	0.031	0.026	0.021	0.016	0.011	0.007	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.023	0.045	0.065	0.083	0.098	0.109	0.117	0.121	0.121	0.118	0.111	0.101	0.089	0.075	0.060	0.046	0.031	0.019	0.008	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.002	0.004	0.006	0.007	0.008	0.009	0.010	0.010	0.010	0.010	0.010	0.009	0.008	0.007	0.005	0.004	0.003	0.002	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.033	0.065	0.093	0.119	0.140	0.156	0.167	0.173	0.173	0.169	0.160	0.145	0.128	0.108	0.086	0.066	0.045	0.028	0.012	0.000
REQUIRED CAMBER	0	33	65	93	119	140	156	167	173	173	169	160	145	128	108	86	66	45	28	12	0

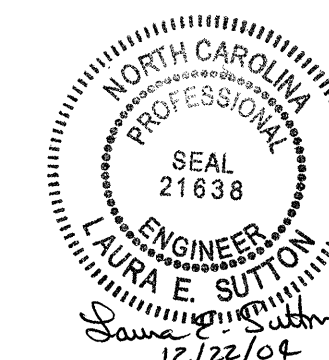
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN A																					
GIRDER 3																					
TWENTIETH POINTS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.008	0.015	0.021	0.027	0.032	0.035	0.038	0.039	0.039	0.038	0.036	0.033	0.029	0.025	0.020	0.015	0.010	0.006	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.022	0.043	0.062	0.078	0.092	0.102	0.110	0.113	0.113	0.110	0.104	0.095	0.083	0.070	0.056	0.042	0.029	0.017	0.007	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.002	0.004	0.005	0.007	0.008	0.009	0.009	0.010	0.010	0.009	0.009	0.008	0.007	0.006	0.005	0.004	0.003	0.002	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.032	0.062	0.088	0.112	0.132	0.146	0.157	0.162	0.162	0.157	0.149	0.136	0.119	0.101	0.081	0.061	0.042	0.025	0.011	0.000
REQUIRED CAMBER	0	32	62	88	112	132	146	157	162	162	157	149	136	119	101	81	61	42	25	11	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	0.000	0.007	0.014	0.020	0.025	0.030	0.033	0.035	0.037	0.037	0.036	0.034	0.031	0.027	0.023	0.019	0.014	0.010	0.006	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.020	0.039	0.057	0.073	0.086	0.096	0.102	0.106	0.106	0.103	0.097	0.089	0.078	0.065	0.052	0.039	0.027	0.016	0.007	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	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
TOTAL DEAD LOAD DEFLECTION	0.000	0.029	0.056	0.082	0.104	0.123	0.137	0.146	0.152	0.152	0.148	0.139	0.128	0.112	0.094	0.076	0.056	0.039	0.023	0.011	0.000
REQUIRED CAMBER	0	29	56	82	104	123	137	146	152	152	148	139	128	112	94	76	56	39	23	11	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 : 12-04

21-DEC-2004 15:17  
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 lsutton



PROJECT NO. R-0977A  
 CHEROKEE COUNTY  
 STATION: 68+58.000-LREV-

SHEET 1 OF 4

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-196
1			3			TOTAL SHEETS 236
2			4			

STR. #5