

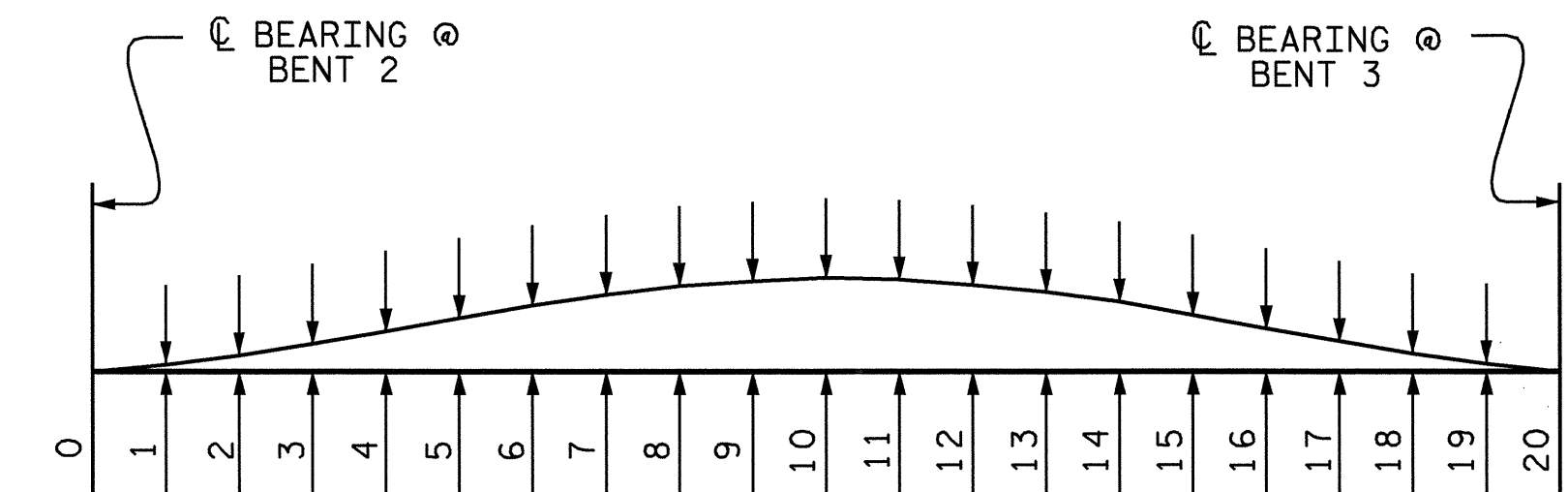
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
TWENTIETH POINTS	SPAN C																				
	GIRDER 1																				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.002	0.004	0.007	0.010	0.014	0.017	0.020	0.022	0.023	0.024	0.023	0.022	0.020	0.018	0.014	0.011	0.008	0.005	0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.005	0.013	0.022	0.032	0.042	0.052	0.061	0.068	0.072	0.074	0.073	0.069	0.063	0.055	0.045	0.034	0.024	0.014	0.006	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.001	0.002	0.003	0.004	0.005	0.005	0.006	0.006	0.007	0.007	0.006	0.006	0.005	0.004	0.003	0.002	0.001	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.008	0.018	0.031	0.045	0.060	0.074	0.086	0.096	0.101	0.105	0.103	0.097	0.089	0.078	0.063	0.048	0.034	0.020	0.009	0.000
REQUIRED CAMBER	0	8	18	31	45	60	74	86	96	101	105	103	97	89	78	63	48	34	20	9	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
TWENTIETH POINTS	SPAN C																				
	GIRDER 2																				
	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	0.002	0.004	0.007	0.010	0.013	0.016	0.019	0.021	0.022	0.022	0.022	0.021	0.019	0.017	0.014	0.010	0.007	0.004	0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.005	0.012	0.021	0.031	0.040	0.050	0.058	0.064	0.068	0.070	0.069	0.065	0.059	0.052	0.042	0.032	0.022	0.013	0.006	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.001	0.002	0.003	0.004	0.004	0.005	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.004	0.003	0.002	0.001	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.007	0.017	0.030	0.044	0.057	0.070	0.082	0.091	0.096	0.098	0.097	0.092	0.083	0.074	0.060	0.045	0.031	0.018	0.009	0.000
REQUIRED CAMBER	0	7	17	30	44	57	70	82	91	96	98	97	92	83	74	60	45	31	18	9	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
TWENTIETH POINTS	SPAN C																				
	GIRDER 3																				
	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	0.002	0.004	0.007	0.010	0.013	0.015	0.018	0.020	0.021	0.021	0.021	0.020	0.018	0.016	0.013	0.010	0.007	0.004	0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.005	0.012	0.020	0.029	0.038	0.047	0.055	0.061	0.065	0.066	0.066	0.062	0.056	0.049	0.040	0.031	0.021	0.013	0.005	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	0.005	0.006	0.006	0.006	0.006	0.005	0.004	0.004	0.003	0.002	0.001	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.007	0.017	0.029	0.042	0.054	0.066	0.078	0.086	0.092	0.093	0.093	0.088	0.079	0.069	0.057	0.044	0.030	0.018	0.008	0.000
REQUIRED CAMBER	0	7	17	29	42	54	66	78	86	92	93	93	88	79	69	57	44	30	18	8	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
TWENTIETH POINTS	SPAN C																				
	GIRDER 4																				
	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	0.004	0.006	0.009	0.012	0.015	0.017	0.019	0.020	0.020	0.020	0.019	0.017	0.015	0.012	0.009	0.007	0.004	0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.004	0.011	0.019	0.027	0.036	0.045	0.053	0.058	0.062	0.064	0.063	0.059	0.054	0.047	0.039	0.029	0.020	0.012	0.005	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.001	0.002	0.002	0.003	0.004	0.005	0.005	0.006	0.006	0.006	0.005	0.005	0.004	0.004	0.003	0.002	0.001	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.005	0.016	0.027	0.038	0.051	0.064	0.075	0.082	0.088	0.090	0.089	0.083	0.076	0.066	0.055	0.041	0.029	0.017	0.008	0.000
REQUIRED CAMBER	0	5	16	27	38	51	64	75	82	88	90	89	83	76	66	55	41	29	17	8	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.



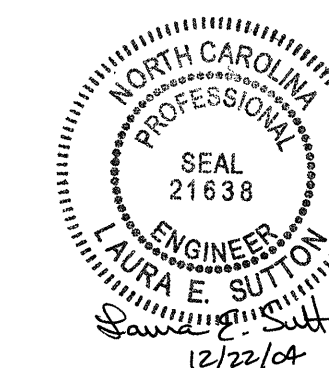
SCHEMATIC CAMBER ORDINATES

SLOPE FOR ZERO CAMBER BASE LINE VARIES.

PROJECT NO. R0977A
CHEROKEE COUNTY
 STATION: 68+58.000-LREV-

SHEET 3 OF 4

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



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-198
1			3			TOTAL SHEETS 230
2			4			

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