

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

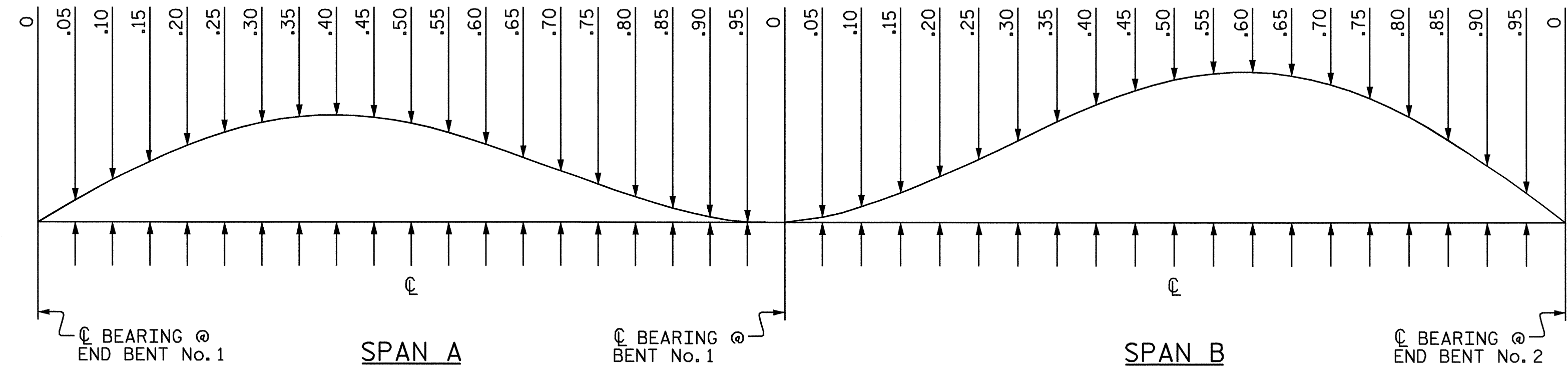
	GIRDER 1																																								
	SPAN A																		SPAN B																						
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0	0.007	0.013	0.019	0.024	0.028	0.030	0.032	0.033	0.032	0.030	0.028	0.024	0.020	0.016	0.012	0.008	0.004	0.002	0.000	0	0.002	0.005	0.009	0.014	0.019	0.025	0.030	0.035	0.039	0.042	0.044	0.045	0.044	0.041	0.037	0.032	0.025	0.017	0.009	0
DEFLECTION DUE TO WEIGHT OF SLAB *	0	0.020	0.041	0.058	0.074	0.086	0.096	0.100	0.102	0.099	0.094	0.085	0.075	0.062	0.049	0.036	0.024	0.014	0.005	0.001	0	0.004	0.015	0.028	0.044	0.061	0.079	0.097	0.113	0.127	0.137	0.143	0.144	0.140	0.132	0.119	0.101	0.079	0.056	0.028	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.003	0.005	0.008	0.010	0.012	0.013	0.014	0.014	0.014	0.013	0.012	0.010	0.009	0.007	0.005	0.003	0.002	0.001	0.000	0	0.001	0.002	0.004	0.006	0.009	0.011	0.013	0.015	0.017	0.018	0.019	0.019	0.019	0.018	0.016	0.013	0.011	0.007	0.004	0
TOTAL DEAD LOAD DEFLECTION	0	0.030	0.059	0.085	0.108	0.126	0.139	0.146	0.149	0.145	0.137	0.125	0.109	0.091	0.072	0.053	0.035	0.020	0.008	0.001	0	0.007	0.022	0.041	0.064	0.089	0.115	0.140	0.163	0.183	0.197	0.206	0.208	0.203	0.191	0.172	0.146	0.115	0.080	0.041	0
ORDINATE DUE TO SUPERELEVATION	0	-0.004	-0.008	-0.011	-0.014	-0.017	-0.019	-0.020	-0.021	-0.022	-0.022	-0.022	-0.021	-0.020	-0.019	-0.017	-0.014	-0.011	-0.008	-0.004	0	-0.004	-0.007	-0.010	-0.013	-0.015	-0.016	-0.017	-0.018	-0.018	-0.017	-0.016	-0.015	-0.013	-0.010	-0.007	-0.004	0.000	0.005	0.005	0
REQUIRED CAMBER	0	5/16"	5/8"	7/8"	1/8"	15/16"	17/16"	1/2"	19/16"	1/2"	13/8"	1/4"	1/16"	7/8"	5/8"	7/16"	1/4"	1/8"	0	0	0	1/16"	3/16"	3/8"	5/8"	7/8"	13/16"	1/2"	13/4"	2"	23/16"	2/4"	25/16"	2/4"	23/16"	2"	11/16"	13/8"	1"	9/16"	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
 ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "REQUIRED CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).
 DEFLECTIONS ARE TAKEN AT TWENTIETH POINTS BETWEEN BEARINGS.

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	GIRDERS 2 & 3																																								
	SPAN A																		SPAN B																						
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0	0.007	0.013	0.019	0.024	0.028	0.030	0.032	0.033	0.032	0.030	0.028	0.024	0.020	0.016	0.012	0.008	0.004	0.002	0.000	0	0.002	0.005	0.009	0.014	0.019	0.025	0.030	0.035	0.039	0.042	0.044	0.045	0.044	0.041	0.037	0.032	0.025	0.017	0.009	0
DEFLECTION DUE TO WEIGHT OF SLAB *	0	0.022	0.045	0.064	0.081	0.095	0.105	0.111	0.112	0.110	0.104	0.094	0.083	0.068	0.054	0.040	0.027	0.015	0.005	0.001	0	0.005	0.016	0.031	0.048	0.067	0.087	0.107	0.125	0.140	0.151	0.157	0.158	0.154	0.145	0.131	0.112	0.088	0.061	0.031	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.003	0.005	0.008	0.010	0.012	0.013	0.014	0.014	0.014	0.013	0.012	0.010	0.009	0.007	0.005	0.003	0.002	0.001	0.000	0	0.001	0.002	0.004	0.006	0.009	0.011	0.013	0.015	0.017	0.018	0.019	0.019	0.019	0.018	0.016	0.013	0.011	0.007	0.004	0
TOTAL DEAD LOAD DEFLECTION	0	0.032	0.063	0.091	0.115	0.135	0.148	0.157	0.159	0.156	0.147	0.134	0.117	0.097	0.077	0.057	0.038	0.021	0.008	0.001	0	0.008	0.023	0.044	0.068	0.095	0.123	0.150	0.175	0.196	0.211	0.220	0.222	0.217	0.204	0.184	0.157	0.124	0.085	0.044	0
ORDINATE DUE TO SUPERELEVATION	0	-0.004	-0.008	-0.011	-0.014	-0.017	-0.019	-0.020	-0.022	-0.022	-0.022	-0.022	-0.022	-0.020	-0.019	-0.017	-0.014	-0.011	-0.008	-0.004	0	-0.005	-0.009	-0.013	-0.016	-0.019	-0.021	-0.022	-0.024	-0.024	-0.025	-0.024	-0.024	-0.022	-0.021	-0.019	-0.016	-0.013	-0.009	-0.005	0
REQUIRED CAMBER	0	5/16"	11/16"	15/16"	13/16"	17/16"	19/16"	15/8"	15/8"	15/8"	1/2"	13/8"	1/8"	15/16"	11/16"	1/2"	5/16"	1/8"	0	0	0	1/16"	3/16"	3/8"	5/8"	15/16"	1/4"	19/16"	113/16"	2/16"	2/4"	23/8"	23/8"	25/16"	23/16"	2"	11/16"	15/16"	15/16"	7/16"	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
 ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "REQUIRED CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).
 DEFLECTIONS ARE TAKEN AT TWENTIETH POINTS BETWEEN BEARINGS.



SCHEMATIC CAMBER ORDINATES
 SLOPE FOR THE ZERO CAMBER BASE LINE VARIES.

PROJECT NO. R-2417BB
LEE COUNTY
 STATION: 519+42.20 -L-
 SHEET 1 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SUPERSTRUCTURE
 DEAD LOAD
 DEFLECTION TABLES**

REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	DATE:
1			3	
2			4	

TOTAL SHEETS: 78



DRAWN BY: M. ALLEN DATE: 9/03
 CHECKED BY: B.N. GRADY DATE: 11/03