

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

THIRTIETH POINTS	SPAN A																														
	GIRDER 4																														
	BRG.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.007	0.013	0.019	0.025	0.030	0.034	0.037	0.040	0.042	0.044	0.044	0.044	0.043	0.042	0.040	0.038	0.035	0.031	0.027	0.024	0.020	0.016	0.012	0.009	0.006	0.003	0.001	0.000	-0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.020	0.038	0.055	0.071	0.085	0.097	0.106	0.114	0.119	0.123	0.124	0.124	0.121	0.117	0.111	0.104	0.095	0.085	0.074	0.064	0.053	0.042	0.032	0.023	0.014	0.007	0.002	-0.001	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.003	0.007	0.010	0.012	0.015	0.017	0.019	0.020	0.022	0.022	0.023	0.023	0.023	0.022	0.021	0.020	0.019	0.017	0.015	0.013	0.011	0.009	0.007	0.005	0.003	0.002	0.001	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.030	0.057	0.083	0.108	0.129	0.147	0.163	0.174	0.183	0.188	0.191	0.190	0.187	0.181	0.173	0.161	0.148	0.133	0.117	0.100	0.083	0.066	0.050	0.036	0.023	0.012	0.004	-0.001	-0.003	0.000
VERTICAL CURVE ORDINATE	0.000	0.009	0.017	0.024	0.031	0.038	0.043	0.048	0.053	0.057	0.060	0.063	0.065	0.066	0.067	0.068	0.067	0.066	0.065	0.063	0.060	0.057	0.053	0.048	0.043	0.038	0.031	0.024	0.017	0.009	0.000
ORDINATE DUE TO SUPERELEVATION	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REQUIRED CAMBER	0	39	74	108	139	167	191	211	227	240	249	254	255	254	248	240	228	215	198	180	160	140	119	99	79	61	44	28	16	6	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN METERS, EXCEPT "REQUIRED CAMBER" WHICH IS SHOWN IN MILLIMETERS.

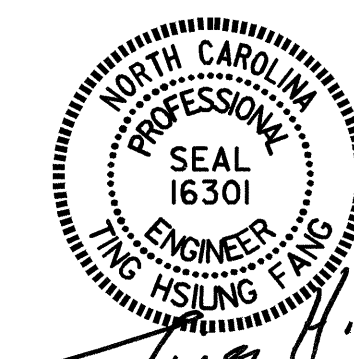
DEAD LOAD DEFLECTION TABLE FOR GIRDERS

THIRTIETH POINTS	SPAN A																														
	GIRDER 5																														
	BRG.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.007	0.014	0.020	0.025	0.030	0.035	0.038	0.040	0.042	0.043	0.043	0.043	0.041	0.040	0.037	0.034	0.030	0.026	0.024	0.020	0.014	0.010	0.007	0.004	0.001	-0.001	-0.002	-0.002	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.020	0.039	0.056	0.072	0.086	0.098	0.107	0.113	0.118	0.120	0.120	0.118	0.114	0.108	0.101	0.091	0.082	0.071	0.063	0.049	0.036	0.026	0.016	0.008	0.002	-0.004	-0.007	-0.007	-0.005	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.004	0.007	0.010	0.013	0.015	0.018	0.019	0.021	0.022	0.022	0.023	0.022	0.022	0.021	0.020	0.018	0.017	0.015	0.013	0.011	0.008	0.006	0.004	0.002	0.001	0.000	-0.001	-0.001	-0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.031	0.059	0.086	0.110	0.132	0.150	0.164	0.175	0.182	0.185	0.186	0.183	0.177	0.169	0.157	0.144	0.129	0.112	0.099	0.080	0.058	0.042	0.027	0.014	0.004	-0.005	-0.009	-0.011	-0.008	0.000
VERTICAL CURVE ORDINATE	0.000	0.009	0.017	0.024	0.031	0.038	0.043	0.048	0.053	0.057	0.060	0.063	0.065	0.066	0.067	0.068	0.067	0.066	0.065	0.063	0.060	0.057	0.053	0.048	0.043	0.038	0.031	0.024	0.017	0.009	0.000
ORDINATE DUE TO SUPERELEVATION	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REQUIRED CAMBER	0	39	76	110	142	169	193	213	227	238	245	248	248	243	236	225	211	195	177	162	140	115	95	75	58	41	27	15	6	1	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN METERS, EXCEPT "REQUIRED CAMBER" WHICH IS SHOWN IN MILLIMETERS.

NOTE

SLOPE FOR THE ZERO CAMBER BASE LINE VARIES



Hsiung Fang
10/06/04

PROJECT NO. R-513A
ROBESON COUNTY
STATION: 18+64.065 -L-

SHEET 2 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
DEAD LOAD DEFLECTIONS

DRAWN BY: T.A. WALTER DATE: 5/6/04
CHECKED BY: T.H. FANG DATE: 5/04

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			5-15
2			4			172