

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN A																					
GIRDERS 2 & 3																					
TWENTIETH POINTS	BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0	0.007	0.013	0.019	0.025	0.029	0.033	0.036	0.039	0.040	0.041	0.040	0.039	0.036	0.033	0.029	0.025	0.019	0.013	0.007	0
DEFLECTION DUE TO WEIGHT OF SLAB *	0	0.032	0.063	0.092	0.118	0.140	0.159	0.175	0.186	0.192	0.195	0.192	0.186	0.175	0.159	0.140	0.118	0.092	0.063	0.032	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.004	0.009	0.012	0.016	0.019	0.021	0.024	0.025	0.026	0.026	0.026	0.025	0.024	0.021	0.019	0.016	0.012	0.009	0.004	0
TOTAL DEAD LOAD DEFLECTION	0	0.043	0.085	0.123	0.159	0.188	0.213	0.235	0.250	0.258	0.262	0.258	0.250	0.235	0.213	0.188	0.159	0.123	0.085	0.043	0
VERTICAL CURVE ORDINATE	0	0.006	0.012	0.017	0.021	0.024	0.027	0.030	0.031	0.032	0.032	0.032	0.031	0.030	0.027	0.024	0.021	0.017	0.012	0.006	0
ORDINATE DUE TO SUPERELEVATION	0	-0.001	-0.003	-0.004	-0.004	-0.005	-0.006	-0.006	-0.007	-0.007	-0.007	-0.007	-0.007	-0.006	-0.006	-0.005	-0.004	-0.004	-0.003	-0.001	0
REQUIRED CAMBER	0	48	94	136	176	207	234	259	274	283	287	283	274	259	234	207	176	136	94	48	0

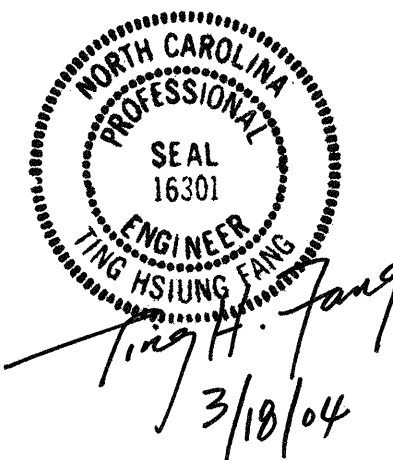
* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN METERS, EXCEPT "REQUIRED CAMBER" WHICH IS SHOWN IN MILLIMETERS.

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN B																					
GIRDERS 2 & 3																					
TWENTIETH POINTS	BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0	0.005	0.010	0.015	0.019	0.023	0.026	0.029	0.031	0.032	0.032	0.032	0.031	0.029	0.026	0.023	0.019	0.015	0.010	0.005	0
DEFLECTION DUE TO WEIGHT OF SLAB *	0	0.025	0.050	0.072	0.093	0.110	0.126	0.138	0.146	0.152	0.154	0.152	0.146	0.138	0.126	0.110	0.093	0.072	0.050	0.025	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.003	0.007	0.010	0.013	0.015	0.017	0.019	0.020	0.020	0.021	0.020	0.020	0.019	0.017	0.015	0.013	0.010	0.007	0.003	0
TOTAL DEAD LOAD DEFLECTION	0	0.033	0.067	0.097	0.125	0.148	0.169	0.186	0.197	0.204	0.207	0.204	0.197	0.186	0.169	0.148	0.125	0.097	0.067	0.033	0
VERTICAL CURVE ORDINATE	0	0.006	0.010	0.015	0.018	0.022	0.024	0.026	0.028	0.029	0.029	0.029	0.028	0.026	0.024	0.022	0.018	0.015	0.010	0.006	0
ORDINATE DUE TO SUPERELEVATION	0	-0.001	-0.002	-0.003	-0.004	-0.005	-0.005	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.005	-0.005	-0.004	-0.003	-0.002	-0.001	0
REQUIRED CAMBER	0	38	75	109	139	165	188	206	219	227	230	227	219	206	188	165	139	109	75	38	0

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

PROJECT NO. R-513BB
ROBESON COUNTY
STATION: 209+17.263 -L-

SHEET 2 OF 2



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

DRAWN BY : N. Q. TRAN DATE : 10/17/02
CHECKED BY : M.A. ALLEN DATE : 2/04

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-46
1			3			TOTAL SHEETS
2			4			312