

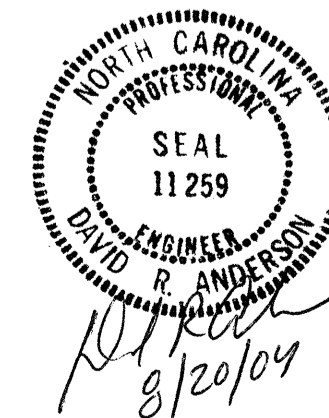
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN A																					
EXTERIOR GIRDERS #1 & #5																					
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.012	0.023	0.033	0.042	0.050	0.057	0.063	0.067	0.069	0.070	0.069	0.067	0.063	0.057	0.050	0.042	0.033	0.023	0.012	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.035	0.069	0.101	0.129	0.154	0.174	0.191	0.203	0.211	0.213	0.211	0.203	0.191	0.174	0.154	0.129	0.101	0.069	0.035	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.006	0.012	0.017	0.021	0.026	0.029	0.032	0.034	0.035	0.036	0.035	0.034	0.032	0.029	0.026	0.021	0.017	0.012	0.006	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.053	0.104	0.151	0.192	0.230	0.260	0.286	0.305	0.314	0.319	0.315	0.304	0.286	0.260	0.230	0.192	0.151	0.104	0.053	0.000
VERTICAL CURVE ORDINATE	0.000	0.005	0.010	0.014	0.018	0.021	0.023	0.025	0.026	0.027	0.027	0.027	0.026	0.025	0.023	0.021	0.018	0.014	0.010	0.005	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
REQUIRED CAMBER	0	58	114	165	210	251	283	311	330	342	346	342	330	311	283	251	210	165	114	58	0

\* INCLUDES FUTURE WEARING SURFACE  
ALL VALUES ARE SHOWN IN METERS, EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN MILLIMETERS.  
POSITIVE VALUES = UPWARD CAMBER

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN A																					
INTERIOR GIRDERS #2, #3 & #4																					
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.012	0.023	0.033	0.042	0.050	0.057	0.063	0.067	0.069	0.070	0.069	0.067	0.063	0.057	0.050	0.042	0.033	0.023	0.012	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.039	0.077	0.112	0.143	0.170	0.194	0.212	0.226	0.234	0.237	0.234	0.226	0.212	0.194	0.170	0.143	0.112	0.077	0.039	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.007	0.015	0.021	0.027	0.033	0.037	0.041	0.043	0.045	0.045	0.045	0.043	0.041	0.037	0.033	0.027	0.021	0.015	0.007	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.058	0.115	0.166	0.212	0.253	0.288	0.316	0.336	0.348	0.352	0.348	0.336	0.316	0.288	0.253	0.212	0.166	0.115	0.058	0.000
VERTICAL CURVE ORDINATE	0.000	0.005	0.010	0.014	0.018	0.021	0.023	0.025	0.026	0.027	0.027	0.027	0.026	0.025	0.023	0.021	0.018	0.014	0.010	0.005	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
REQUIRED CAMBER	0	63	125	180	230	274	311	341	362	375	379	375	362	341	311	274	230	180	125	63	0

\* INCLUDES FUTURE WEARING SURFACE  
ALL VALUES ARE SHOWN IN METERS, EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN MILLIMETERS.  
POSITIVE VALUES = UPWARD CAMBER

PROJECT NO. R-513BA  
ROBESON COUNTY  
STATION: 113+73.429 -L-



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

**SUPERSTRUCTURE**  
**DEAD LOAD DEFLECTIONS**  
**(RIGHT LANE)**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	5-104
1			3			TOTAL SHEETS
2			4			172

DRAWN BY: I.A. WALTER DATE: 9/19/02  
CHECKED BY: B. BARODAWALA DATE: 4/11/03