

NOTE

SLOPE FOR THE ZERO CAMBER BASE LINE VARIES

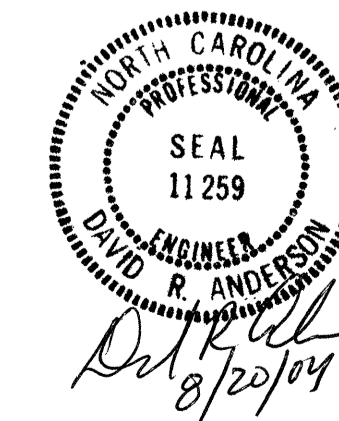
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN A																				
	GIRDERS 1 & 4																				
	TWENTIETH POINTS	BRG.	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.009	0.018	0.025	0.032	0.038	0.043	0.047	0.050	0.051	0.052	0.051	0.050	0.047	0.043	0.038	0.032	0.025	0.018	0.009	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.033	0.064	0.093	0.118	0.139	0.157	0.171	0.182	0.188	0.190	0.188	0.182	0.171	0.157	0.139	0.118	0.093	0.064	0.033	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.005	0.010	0.015	0.019	0.023	0.026	0.028	0.030	0.031	0.032	0.031	0.030	0.028	0.026	0.023	0.019	0.015	0.010	0.005	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.047	0.092	0.133	0.169	0.200	0.226	0.246	0.262	0.270	0.274	0.271	0.262	0.246	0.226	0.200	0.169	0.133	0.092	0.047	0.000
VERTICAL CURVE ORDINATE	0.000	0.003	0.006	0.008	0.011	0.012	0.014	0.015	0.016	0.016	0.017	0.016	0.016	0.015	0.014	0.012	0.011	0.008	0.006	0.003	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	50	98	141	180	212	240	261	278	286	291	287	278	261	240	212	180	141	98	50	0

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

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN A																				
	GIRDERS 2 & 3																				
	TWENTIETH POINTS	BRG.	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.009	0.018	0.025	0.032	0.038	0.043	0.047	0.050	0.051	0.052	0.051	0.050	0.047	0.043	0.038	0.032	0.025	0.018	0.009	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.036	0.071	0.102	0.130	0.153	0.173	0.189	0.201	0.208	0.210	0.208	0.201	0.189	0.173	0.153	0.130	0.102	0.071	0.036	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.005	0.010	0.015	0.019	0.023	0.026	0.028	0.030	0.031	0.031	0.031	0.030	0.028	0.026	0.023	0.019	0.015	0.010	0.005	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.050	0.099	0.142	0.181	0.214	0.242	0.264	0.281	0.290	0.293	0.290	0.281	0.264	0.242	0.214	0.181	0.142	0.099	0.050	0.000
VERTICAL CURVE ORDINATE	0.000	0.003	0.006	0.008	0.011	0.012	0.014	0.015	0.016	0.016	0.017	0.016	0.016	0.015	0.014	0.012	0.011	0.008	0.006	0.003	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	53	105	150	192	226	256	279	297	306	310	306	297	279	256	226	192	150	105	53	0

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POSITIVE VALUES = UPWARD CAMPER

PROJECT NO. R-513BA
ROBESON COUNTY
STATION: 138+30.800 -L-



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUPERSTRUCTURE DEAD LOAD DEFLECTIONS (RIGHT LANE)					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					TOTAL SHEETS 172
					5-156

DRAWN BY : N. Q. TRAN DATE : 6-16-03
CHECKED BY : T. A. WALTER DATE : 3-16-04