

NOTE :

SLOPE TO ZERO BASELINE VARIES

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN B																					
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	0.002	0.004	0.007	0.010	0.013	0.016	0.019	0.022	0.024	0.025	0.026	0.026	0.025	0.024	0.021	0.018	0.014	0.010	0.005	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.006	0.015	0.025	0.037	0.049	0.061	0.073	0.083	0.091	0.097	0.100	0.099	0.096	0.090	0.080	0.068	0.054	0.037	0.019	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.002	0.004	0.006	0.007	0.009	0.011	0.012	0.013	0.014	0.014	0.014	0.014	0.013	0.012	0.010	0.008	0.005	0.003	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.009	0.021	0.036	0.053	0.069	0.086	0.103	0.117	0.128	0.136	0.140	0.139	0.135	0.127	0.113	0.096	0.076	0.052	0.027	0.000
VERTICAL CURVE ORDINATE	0.000	0.008	0.016	0.022	0.028	0.033	0.037	0.040	0.042	0.043	0.044	0.043	0.042	0.040	0.037	0.033	0.028	0.022	0.016	0.008	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	17	37	58	81	102	123	143	159	171	180	183	181	175	164	146	124	98	68	35	0

* INCLUDES FUTURE WEARING SURFACE

ALL VALUES ARE SHOWN IN METERS, EXCEPT "REQUIRED CAMBER" WHICH IS SHOWN IN MILLIMETERS.

POSITIVE CAMBER = UPWARD CAMBER

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN B																					
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	0.002	0.004	0.007	0.010	0.013	0.016	0.019	0.022	0.024	0.025	0.026	0.026	0.025	0.024	0.021	0.018	0.014	0.010	0.005	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.008	0.018	0.031	0.045	0.060	0.075	0.089	0.102	0.112	0.118	0.122	0.122	0.118	0.110	0.098	0.083	0.066	0.045	0.023	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.002	0.004	0.005	0.007	0.009	0.010	0.012	0.013	0.014	0.014	0.014	0.014	0.013	0.011	0.010	0.008	0.005	0.003	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.011	0.024	0.042	0.060	0.080	0.100	0.118	0.136	0.149	0.157	0.162	0.162	0.157	0.147	0.130	0.111	0.088	0.060	0.031	0.000
VERTICAL CURVE ORDINATE	0.000	0.008	0.016	0.022	0.028	0.033	0.037	0.040	0.042	0.043	0.044	0.043	0.042	0.040	0.037	0.033	0.028	0.022	0.016	0.008	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	19	40	64	88	113	137	158	179	192	201	205	204	197	184	163	139	110	76	39	0

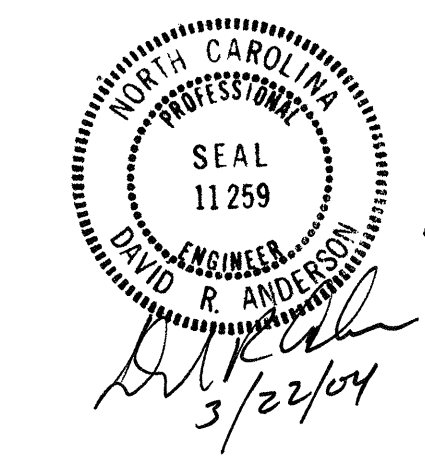
* INCLUDES FUTURE WEARING SURFACE.

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POSITIVE CAMBER = UPWARD CAMBER

PROJECT NO. R-513C
ROBESON COUNTY
 STATION: 17+37.086 -Y3-

SHEET 2 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUPERSTRUCTURE
DEAD LOAD DEFLECTIONS
SPAN B

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

TOTAL SHEETS: 312

DRAWN BY : S. M. RASHIDI DATE : 10-3-02
 CHECKED BY : T. A. WALTER DATE : 10-4-02