

DEAD LOAD DEFLECTION TABLE FOR GIRDER #1

@ TWENTIETH POINTS BETWEEN C BEARINGS	GIRDER #1																				
	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.005	0.010	0.015	0.019	0.022	0.025	0.027	0.029	0.030	0.030	0.030	0.029	0.027	0.025	0.022	0.019	0.015	0.010	0.005	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.021	0.042	0.061	0.079	0.094	0.106	0.116	0.123	0.127	0.129	0.127	0.123	0.116	0.106	0.094	0.079	0.061	0.042	0.021	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.002	0.004	0.005	0.006	0.008	0.009	0.010	0.010	0.011	0.011	0.011	0.010	0.010	0.009	0.008	0.006	0.005	0.004	0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.028	0.056	0.081	0.104	0.124	0.140	0.153	0.162	0.168	0.170	0.168	0.162	0.153	0.140	0.124	0.104	0.081	0.056	0.028	0.000
VERTICAL CURVE ORDINATE	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
ORDINATE DUE TO SUPERELEVATION	0.000	-0.001	-0.002	-0.003	-0.003	-0.004	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.004	-0.004	-0.003	-0.003	-0.002	-0.001	0.000
REQUIRED CAMBER	0	27	54	78	101	120	136	148	157	163	165	163	157	148	136	120	101	78	54	27	0

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

DEAD LOAD DEFLECTION TABLE FOR GIRDERS #2 & #3

@ TWENTIETH POINTS BETWEEN C BEARINGS	GIRDERS #2 & #3																				
	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	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
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.025	0.049	0.071	0.092	0.109	0.123	0.134	0.142	0.148	0.149	0.148	0.142	0.134	0.123	0.109	0.092	0.071	0.049	0.025	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.002	0.004	0.005	0.006	0.007	0.008	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.008	0.007	0.006	0.005	0.004	0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.032	0.063	0.091	0.117	0.139	0.157	0.172	0.182	0.189	0.191	0.189	0.182	0.172	0.157	0.139	0.117	0.091	0.063	0.032	0.000
VERTICAL CURVE ORDINATE	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
ORDINATE DUE TO SUPERELEVATION	0.000	-0.001	-0.002	-0.003	-0.003	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.004	-0.003	-0.003	-0.002	-0.001	0.000
REQUIRED CAMBER	0	31	61	88	114	135	152	167	177	184	186	184	177	167	152	135	114	88	61	31	0

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

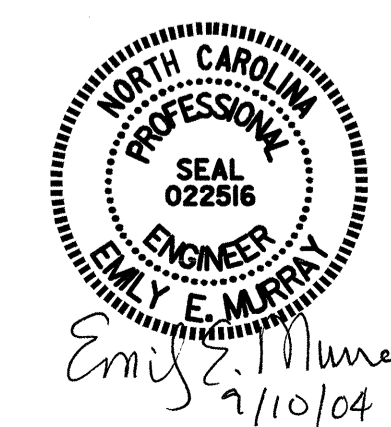
DEAD LOAD DEFLECTION TABLE FOR GIRDER #4

@ TWENTIETH POINTS BETWEEN C BEARINGS	GIRDER #4																				
	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.005	0.010	0.015	0.019	0.022	0.025	0.027	0.029	0.030	0.031	0.030	0.029	0.027	0.025	0.022	0.019	0.015	0.010	0.005	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.019	0.037	0.054	0.069	0.083	0.093	0.102	0.108	0.112	0.113	0.112	0.108	0.102	0.093	0.083	0.069	0.054	0.037	0.019	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.002	0.004	0.005	0.007	0.008	0.009	0.010	0.011	0.011	0.011	0.011	0.011	0.010	0.009	0.008	0.007	0.005	0.004	0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.026	0.051	0.074	0.095	0.113	0.127	0.139	0.148	0.153	0.155	0.153	0.148	0.139	0.127	0.113	0.095	0.074	0.051	0.026	0.000
VERTICAL CURVE ORDINATE	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
ORDINATE DUE TO SUPERELEVATION	0.000	-0.001	-0.002	-0.003	-0.003	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.004	-0.003	-0.003	-0.002	-0.001	0.000
REQUIRED CAMBER	0	25	49	71	92	109	122	134	143	148	150	148	143	134	122	109	92	71	49	25	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
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PROJECT NO. R-2206C
LINCOLN-CATAWBA COUNTY
STATION: 237+97.199 -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: 374

DRAWN BY: T.L. AVERETTE DATE: 4-30-02
CHECKED BY: M.M. PARSONS DATE: 4-03