

DEAD LOAD DEFLECTION TABLE FOR GIRDER #1

	GIRDER #1																				
@ TWENTIETH POINTS BETWEEN C BEARINGS	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	0.006	0.012	0.017	0.022	0.026	0.029	0.032	0.034	0.035	0.036	0.035	0.034	0.032	0.029	0.026	0.022	0.017	0.012	0.006	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.025	0.049	0.072	0.092	0.110	0.124	0.135	0.144	0.148	0.150	0.148	0.144	0.135	0.124	0.110	0.092	0.072	0.049	0.025	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.002	0.004	0.006	0.008	0.009	0.011	0.012	0.012	0.013	0.013	0.013	0.012	0.012	0.011	0.009	0.008	0.006	0.004	0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.033	0.065	0.095	0.122	0.145	0.164	0.179	0.190	0.196	0.199	0.196	0.190	0.179	0.164	0.145	0.122	0.095	0.065	0.033	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	-0.004	-0.004	-0.005	-0.005	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.005	-0.004	-0.004	-0.003	-0.002	-0.001	0.000
REQUIRED CAMBER	0	32	63	92	118	141	159	174	185	190	193	190	185	174	159	141	118	92	63	32	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

	GIRDERS #2 & #3																				
@ TWENTIETH POINTS BETWEEN C BEARINGS	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	0.006	0.012	0.017	0.023	0.027	0.030	0.033	0.035	0.036	0.036	0.036	0.035	0.033	0.030	0.027	0.023	0.017	0.012	0.006	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.029	0.057	0.084	0.107	0.127	0.144	0.157	0.167	0.173	0.175	0.173	0.167	0.157	0.144	0.127	0.107	0.084	0.057	0.029	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.002	0.004	0.006	0.007	0.009	0.010	0.011	0.011	0.012	0.012	0.012	0.011	0.011	0.010	0.009	0.007	0.006	0.004	0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.037	0.073	0.107	0.137	0.163	0.184	0.201	0.213	0.221	0.223	0.221	0.213	0.201	0.184	0.163	0.137	0.107	0.073	0.037	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	-0.004	-0.004	-0.005	-0.005	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.005	-0.004	-0.004	-0.003	-0.002	-0.001	0.000
REQUIRED CAMBER	0	36	71	104	133	159	179	196	208	215	217	215	208	196	179	159	133	104	71	36	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

	GIRDER #4																				
@ TWENTIETH POINTS BETWEEN C BEARINGS	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	0.006	0.012	0.017	0.022	0.026	0.029	0.032	0.034	0.035	0.036	0.035	0.034	0.032	0.029	0.026	0.022	0.017	0.012	0.006	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.022	0.043	0.064	0.081	0.097	0.109	0.119	0.127	0.131	0.132	0.131	0.127	0.119	0.109	0.097	0.081	0.064	0.043	0.022	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.002	0.004	0.006	0.008	0.009	0.011	0.012	0.012	0.013	0.013	0.013	0.012	0.012	0.011	0.009	0.008	0.006	0.004	0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.030	0.059	0.087	0.111	0.132	0.149	0.163	0.173	0.179	0.181	0.179	0.173	0.163	0.149	0.132	0.111	0.087	0.059	0.030	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	-0.004	-0.004	-0.005	-0.005	-0.005	-0.006	-0.006	-0.006	-0.005	-0.005	-0.005	-0.004	-0.004	-0.003	-0.002	-0.001	0.000
REQUIRED CAMBER	0	29	57	84	107	128	144	158	168	173	175	173	168	158	144	128	107	84	57	29	0

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

PROJECT NO. R-2206C
 LINCOLN-CATAWBA COUNTY
 STATION: 237+97.199 -L-



Emily E. Murphy
 9/10/04

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH						SHEET NO. 3-211	
SUPERSTRUCTURE DEAD LOAD DEFLECTIONS LEFT LANE						TOTAL SHEETS 374	
REVISIONS							
NO.	BY:	DATE:	NO.	BY:	DATE:		
1			3				
2			4				

DRAWN BY: T.L. AVERETTE DATE: 4-05-02
 CHECKED BY: M.M. PARSONS DATE: 4-03