

DEAD LOAD DEFLECTION TABLE FOR EXTERIOR GIRDER

@ TWENTIETH POINTS BETWEEN $\bar{C}$ BEARINGS	GIRDER A1																				
	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	0.001	0.003	0.004	0.005	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.007	0.007	0.006	0.005	0.004	0.003	0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.006	0.012	0.017	0.022	0.026	0.030	0.033	0.035	0.036	0.037	0.036	0.035	0.033	0.030	0.026	0.022	0.017	0.012	0.006	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.002	0.002	0.001	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.008	0.016	0.023	0.029	0.035	0.040	0.044	0.047	0.048	0.049	0.048	0.047	0.044	0.040	0.035	0.029	0.023	0.016	0.008	0.000
VERTICAL CURVE ORDINATE	-0.000	-0.006	-0.012	-0.017	-0.022	-0.025	-0.028	-0.031	-0.032	-0.033	-0.034	-0.033	-0.032	-0.031	-0.028	-0.025	-0.022	-0.017	-0.012	-0.006	-0.000
ORDINATE DUE TO SUPERELEVATION	-0.000	-0.002	-0.004	-0.006	-0.007	-0.009	-0.010	-0.010	-0.011	-0.011	-0.011	-0.011	-0.011	-0.010	-0.010	-0.009	-0.007	-0.006	-0.004	-0.002	-0.000
REQUIRED CAMBER	0	0	0	0	0	1	2	3	4	4	4	4	4	3	2	1	0	0	0	0	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 INTERIOR GIRDERS

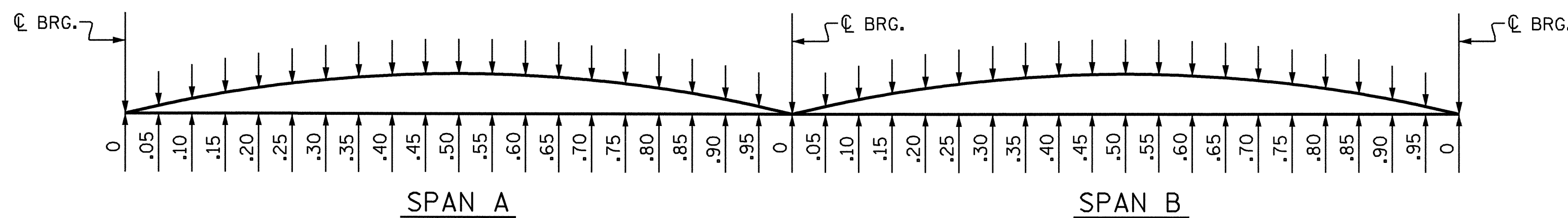
@ TWENTIETH POINTS BETWEEN $\bar{C}$ BEARINGS	GIRDERS A2 & A3																				
	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.001	0.003	0.004	0.005	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.007	0.007	0.006	0.005	0.004	0.003	0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.006	0.012	0.018	0.023	0.028	0.032	0.035	0.037	0.038	0.039	0.038	0.037	0.035	0.032	0.028	0.023	0.018	0.012	0.006	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.001	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.002	0.002	0.001	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.008	0.016	0.024	0.030	0.037	0.042	0.045	0.049	0.050	0.051	0.050	0.049	0.045	0.042	0.037	0.030	0.024	0.016	0.008	0.000
VERTICAL CURVE ORDINATE	-0.000	-0.006	-0.012	-0.017	-0.022	-0.026	-0.029	-0.031	-0.033	-0.034	-0.034	-0.034	-0.033	-0.031	-0.029	-0.026	-0.022	-0.017	-0.012	-0.006	-0.000
ORDINATE DUE TO SUPERELEVATION	-0.000	-0.002	-0.004	-0.006	-0.007	-0.009	-0.010	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.011	-0.010	-0.009	-0.007	-0.006	-0.004	-0.002	-0.000
REQUIRED CAMBER	0	0	0	1	1	2	3	3	5	5	6	5	5	3	3	2	1	1	0	0	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 EXTERIOR GIRDER

@ TWENTIETH POINTS BETWEEN $\bar{C}$ BEARINGS	GIRDER A4																				
	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	0.001	0.003	0.004	0.005	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.007	0.007	0.006	0.005	0.004	0.003	0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.005	0.010	0.015	0.020	0.024	0.027	0.029	0.031	0.033	0.033	0.033	0.031	0.029	0.027	0.024	0.020	0.015	0.010	0.005	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.002	0.002	0.001	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.007	0.014	0.021	0.027	0.033	0.037	0.040	0.043	0.045	0.045	0.045	0.043	0.040	0.037	0.033	0.027	0.021	0.014	0.007	0.000
VERTICAL CURVE ORDINATE	-0.000	-0.006	-0.011	-0.017	-0.021	-0.026	-0.029	-0.031	-0.033	-0.034	-0.034	-0.034	-0.033	-0.031	-0.029	-0.026	-0.021	-0.017	-0.011	-0.006	-0.000
ORDINATE DUE TO SUPERELEVATION	-0.000	-0.001	-0.003	-0.004	-0.006	-0.007	-0.008	-0.009	-0.010	-0.011	-0.011	-0.011	-0.010	-0.009	-0.008	-0.007	-0.006	-0.004	-0.003	-0.001	-0.000
REQUIRED CAMBER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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



SCHEMATIC CAMBER ORDINATES

NOTE: FOR CAMBER @ 20TH POINTS, SEE TABLES.  
SLOPE FOR THE ZERO CAMBER BASE LINE VARIES.

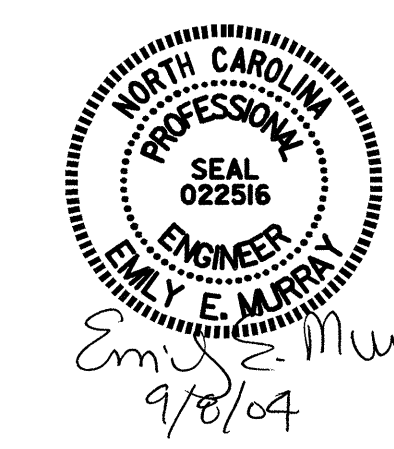
PROJECT NO. R-2206C  
LINCOLN-CATAWBA COUNTY  
STATION: 195+74.885 -L-

SHEET 1 OF 2

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUPERSTRUCTURE  
DEAD LOAD DEFLECTIONS  
— SPAN A —

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-13
1			3			TOTAL SHEETS
2			4			374



DRAWN BY: M. M. PARSONS DATE: 12/5/03  
CHECKED BY: P. ADKINS DATE: 2/04