

DEAD LOAD DEFLECTION TABLE FOR EXTERIOR GIRDER

@ TWENTIETH POINTS BETWEEN C BEARINGS	GIRDER B1																				
	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	0.003	0.005	0.007	0.009	0.011	0.013	0.014	0.015	0.015	0.016	0.015	0.015	0.014	0.013	0.011	0.009	0.007	0.005	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.012	0.024	0.035	0.045	0.054	0.061	0.067	0.072	0.074	0.075	0.074	0.072	0.067	0.061	0.054	0.045	0.035	0.024	0.012	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.002	0.004	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.007	0.007	0.006	0.006	0.005	0.004	0.002	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.016	0.031	0.046	0.059	0.071	0.080	0.088	0.094	0.097	0.099	0.097	0.094	0.088	0.080	0.071	0.059	0.046	0.031	0.016	0.000
VERTICAL CURVE ORDINATE	-0.000	-0.004	-0.008	-0.010	-0.012	-0.012	-0.012	-0.011	-0.010	-0.009	-0.009	-0.008	-0.007	-0.006	-0.005	-0.004	-0.003	-0.003	-0.002	-0.001	-0.000
ORDINATE DUE TO SUPERELEVATION	-0.000	-0.003	-0.006	-0.008	-0.010	-0.012	-0.013	-0.014	-0.015	-0.016	-0.016	-0.016	-0.015	-0.014	-0.013	-0.012	-0.010	-0.008	-0.006	-0.003	-0.000
REQUIRED CAMBER	0	9	17	28	37	47	55	63	69	72	74	73	72	68	62	55	46	35	23	12	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 C BEARINGS	GIRDERS B2 & B3																				
	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	0.003	0.005	0.007	0.009	0.011	0.013	0.014	0.015	0.015	0.016	0.015	0.015	0.014	0.013	0.011	0.009	0.007	0.005	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.012	0.024	0.035	0.045	0.053	0.061	0.067	0.071	0.074	0.075	0.074	0.071	0.067	0.061	0.053	0.045	0.035	0.024	0.012	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.005	0.004	0.003	0.002	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.016	0.031	0.045	0.058	0.069	0.080	0.088	0.093	0.096	0.098	0.096	0.093	0.088	0.080	0.069	0.058	0.045	0.031	0.016	0.000
VERTICAL CURVE ORDINATE	-0.000	-0.004	-0.008	-0.010	-0.011	-0.012	-0.011	-0.010	-0.010	-0.009	-0.008	-0.007	-0.006	-0.006	-0.005	-0.004	-0.003	-0.002	-0.002	-0.001	-0.000
ORDINATE DUE TO SUPERELEVATION	-0.000	-0.003	-0.006	-0.008	-0.010	-0.012	-0.013	-0.014	-0.015	-0.016	-0.016	-0.016	-0.015	-0.014	-0.013	-0.012	-0.010	-0.008	-0.006	-0.003	-0.000
REQUIRED CAMBER	0	9	17	27	37	45	56	64	68	71	74	73	72	68	62	53	45	35	23	12	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 C BEARINGS	GIRDER B4																				
	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	0.003	0.005	0.007	0.009	0.011	0.013	0.014	0.015	0.015	0.016	0.015	0.015	0.014	0.013	0.011	0.009	0.007	0.005	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.010	0.020	0.029	0.037	0.044	0.051	0.056	0.059	0.061	0.062	0.061	0.059	0.056	0.051	0.044	0.037	0.029	0.020	0.010	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.002	0.004	0.005	0.005	0.006	0.007	0.007	0.007	0.008	0.007	0.007	0.007	0.006	0.005	0.005	0.004	0.002	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.014	0.027	0.040	0.051	0.060	0.070	0.077	0.081	0.083	0.086	0.083	0.081	0.077	0.070	0.060	0.051	0.040	0.027	0.014	0.000
VERTICAL CURVE ORDINATE	-0.000	-0.004	-0.007	-0.009	-0.010	-0.010	-0.010	-0.009	-0.008	-0.008	-0.007	-0.006	-0.005	-0.005	-0.004	-0.003	-0.003	-0.002	-0.001	-0.001	-0.000
ORDINATE DUE TO SUPERELEVATION	-0.000	-0.003	-0.006	-0.008	-0.010	-0.012	-0.013	-0.014	-0.015	-0.016	-0.016	-0.016	-0.015	-0.014	-0.013	-0.012	-0.010	-0.008	-0.006	-0.003	-0.000
REQUIRED CAMBER	0	7	14	23	31	38	47	54	58	59	63	61	61	58	53	45	38	30	20	10	0

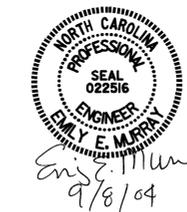
* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN METERS EXCEPT "REQUIRED CAMBER", WHICH IS GIVEN IN MILLIMETERS.

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

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
DEAD LOAD DEFLECTIONS
— SPAN B —



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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-14
1			3			TOTAL SHEETS
2			4			374