

	GIRDER #1										
@ TENTH POINTS BETWEEN C BEARINGS	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.005	0.009	0.012	0.014	0.014	0.014	0.012	0.009	0.005	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.024	0.044	0.060	0.070	0.073	0.070	0.060	0.044	0.024	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.003	0.005	0.007	0.008	0.008	0.008	0.007	0.005	0.003	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.032	0.058	0.079	0.092	0.095	0.092	0.079	0.058	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
ORDINATE DUE TO SUPERELEVATION	0.000	-0.001	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.001	-0.001	0.000
REQUIRED CAMBER (mm)	0	31	57	77	90	93	90	77	56	31	0

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

	GIRDERS #2 & #3										
@ TENTH POINTS BETWEEN C BEARINGS	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.005	0.009	0.012	0.014	0.015	0.014	0.012	0.009	0.005	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.028	0.053	0.072	0.084	0.088	0.084	0.072	0.053	0.028	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.002	0.003	0.004	0.005	0.005	0.005	0.004	0.003	0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.035	0.065	0.088	0.103	0.108	0.103	0.088	0.065	0.035	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
ORDINATE DUE TO SUPERELEVATION	0.000	-0.001	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.001	-0.001	0.000
REQUIRED CAMBER (mm)	0	34	64	86	101	106	101	86	64	34	0

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

	GIRDER #4										
@ TENTH POINTS BETWEEN C BEARINGS	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.005	0.009	0.012	0.014	0.014	0.014	0.012	0.009	0.005	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.023	0.043	0.058	0.067	0.070	0.067	0.058	0.043	0.023	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.003	0.005	0.006	0.008	0.008	0.008	0.006	0.005	0.003	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.031	0.057	0.076	0.089	0.092	0.089	0.076	0.057	0.031	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
ORDINATE DUE TO SUPERELEVATION	0.000	-0.001	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.001	-0.001	0.000
REQUIRED CAMBER (mm)	0	30	56	74	87	90	87	74	56	35	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 TABLES

PROJECT NO. R-2206C  
LINCOLN-CATAWBA COUNTY  
STATION: 245+91.502 -L-



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
SUPERSTRUCTURE  
DEAD LOAD DEFLECTIONS  
LEFT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-243
1			3			TOTAL SHEETS
2			4			374

DRAWN BY : M. D. PISO DATE : 9/03  
CHECKED BY : M.M. PARSONS DATE : 5/11/04