

	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	0.006	0.011	0.015	0.017	0.018	0.017	0.015	0.011	0.006	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.034	0.064	0.087	0.101	0.106	0.101	0.087	0.064	0.034	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.003	0.006	0.008	0.009	0.009	0.009	0.008	0.006	0.003	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.043	0.081	0.110	0.127	0.133	0.127	0.110	0.081	0.043	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	-0.002	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.001	0.000
REQUIRED CAMBER (mm)	0	42	79	108	124	130	124	108	79	42	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, & #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	0.006	0.011	0.015	0.018	0.018	0.018	0.015	0.011	0.006	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.040	0.074	0.101	0.118	0.124	0.118	0.101	0.074	0.040	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.002	0.003	0.005	0.005	0.006	0.005	0.005	0.003	0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.048	0.088	0.121	0.141	0.148	0.141	0.121	0.088	0.048	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	-0.002	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.001	0.000
REQUIRED CAMBER (mm)	0	47	86	119	138	145	138	119	86	47	0

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

	GIRDER #5										
@ 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	0.006	0.011	0.015	0.017	0.018	0.017	0.015	0.011	0.006	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.033	0.062	0.084	0.098	0.103	0.098	0.084	0.062	0.033	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.003	0.005	0.007	0.009	0.009	0.009	0.007	0.005	0.003	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.042	0.078	0.106	0.124	0.130	0.124	0.106	0.078	0.042	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	-0.002	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.001	0.000
REQUIRED CAMBER (mm)	0	41	76	104	121	130	121	104	76	41	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  
RIGHT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-288
2			4			TOTAL SHEETS 374

DRAWN BY : M. M. PARSONS DATE : 4/25/03  
CHECKED BY : T. AVERETTE DATE : 3/29/04