DEAD LOAD DEFLECTION TABLE FOR GIRDERS

GIRDER 2

	SPAN A																					SPAN B																						
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	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	0.000	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.001	-0.002	-0.003	-0.004	-0.005	-0.007	-0.008	-0.008	-0.009	-0.009	-0.008	-0.008	-0.007	-0.006	-0.005	-0.004	-0.002	-0.001	-0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.001	-0.002	-0.003	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.003	-0.002	-0.002	-0.001	0.000	▲0.001	▲0.001	▲0.001	▲0.001	▲0.001	0.000	-0.003	-0.006	-0.010	-0.015	-0.019	-0.023	-0.026	-0.029	-0.030	-0.030	-0.030	-0.028	-0.025	-0.021	-0.017	-0.013	-0.009	-0.005	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.000	0.000	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.001	-0.002	-0.002	-0.003	-0.004	-0.004	-0.005	-0.005	-0.005	-0.005	-0.004	-0.004	-0.003	-0.003	-0.002	-0.001	-0.001	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.001	-0.003	-0.004	-0.005	-0.006	-0.006	-0.006	-0.006	-0.006	-0.005	-0.003	-0.002	-0.001	0.000	▲0.001	▲0.001	▲0.001	▲0.001	▲0.001	0.000	-0.004	-0.009	-0.015	-0.021	-0.027	-0.034	-0.038	-0.042	-0.044	-0.044	-0.043	-0.040	-0.036	-0.030	-0.025	-0.019	-0.012	-0.007	-0.003	0.000
VERTICAL CURVE ORDINATE	0.000	▲0.001	▲0.002	▲0.003	▲0.003	▲0.004	▲0.005	▲0.005	▲0.005	▲0.005	▲0.005	▲0.005	▲0.005	▲0.005	▲0.005	▲0.005	▲0.004	▲0.003	▲0.003	▲0.002	▲0.001	0.000	▲0.003	▲0.005	▲0.007	▲0.009	▲0.010	▲0.011	▲0.012	▲0.013	▲0.013	▲0.013	▲0.013	▲0.013	▲0.012	▲0.011	▲0.010	▲0.009	▲0.007	▲0.005	▲0.003	0.000
ORDINATE DUE TO SUPERELEVATION	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	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
REQUIRED CAMBER	0	2	5	7	8	10	11	11	11	11	10	8	7	6	5	3	2	2	1	0	0	7	14	22	30	37	45	50	55	57	57	56	53	48	41	35	28	19	12	6	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.

ALL VALUES ARE SHOWN IN METERS, EXCEPT "FINAL CAMBER" WHICH IS SHOWN IN MILLIMETERS.

DEFLECTIONS ARE TAKEN AT TWENTIETH POINTS BETWEEN BEARINGS.

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

GIRDER 2

	SPAN C																					SPAN D																						
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	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	0.000	-0.001	-0.001	-0.002	-0.003	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.004	-0.003	-0.002	-0.001	0.000	0.000	0.000	0.000	-0.001	-0.003	-0.004	-0.007	-0.009	-0.011	-0.013	-0.015	-0.016	-0.017	-0.017	-0.017	-0.017	-0.016	-0.014	-0.012	-0.009	-0.007	-0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.000	-0.001	-0.003	-0.006	-0.009	-0.011	-0.013	-0.015	-0.016	-0.015	-0.014	-0.012	-0.010	-0.007	-0.004	-0.001	▲0.001	▲0.002	▲0.002	0.000	-0.004	-0.010	-0.017	-0.024	-0.032	-0.040	-0.047	-0.054	-0.059	-0.062	-0.064	-0.063	-0.061	-0.057	-0.051	-0.043	-0.034	-0.023	-0.012	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.000	-0.001	-0.001	-0.002	-0.002	-0.002	-0.003	-0.003	-0.003	-0.003	-0.002	-0.002	-0.001	-0.001	0.000	0.000	0.000	0.000	0.000	-0.001	-0.002	-0.003	-0.004	-0.005	-0.006	-0.008	-0.008	-0.009	-0.010	-0.010	-0.010	-0.010	-0.009	-0.008	-0.007	-0.005	-0.004	-0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.000	-0.002	-0.005	-0.009	-0.014	-0.017	-0.020	-0.023	-0.024	-0.023	-0.022	-0.019	-0.016	-0.011	-0.007	-0.002	▲0.001	▲0.002	▲0.002	0.000	-0.006	-0.015	-0.024	-0.035	-0.046	-0.057	-0.068	-0.077	-0.084	-0.089	-0.091	-0.090	-0.088	-0.082	-0.073	-0.062	-0.048	-0.034	-0.017	0.000
VERTICAL CURVE ORDINATE	0.000	▲0.003	▲0.005	▲0.008	▲0.009	▲0.011	▲0.012	▲0.013	▲0.014	▲0.015	▲0.015	▲0.015	▲0.014	▲0.013	▲0.012	▲0.011	▲0.009	▲0.008	▲0.005	▲0.003	0.000	▲0.002	▲0.005	▲0.007	▲0.008	▲0.009	▲0.010	▲0.011	▲0.012	▲0.012	▲0.012	▲0.012	▲0.011	▲0.010	▲0.009	▲0.008	▲0.006	▲0.005	▲0.003	▲0.002	0.000
ORDINATE DUE TO SUPERELEVATION	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	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
REQUIRED CAMBER	0	3	7	13	18	25	29	33	37	39	38	37	33	29	23	18	11	7	3	1	0	8	20	31	43	55	67	79	89	96	101	103	101	98	91	81	68	53	37	19	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.

ALL VALUES ARE SHOWN IN METERS, EXCEPT "FINAL CAMBER" WHICH IS SHOWN IN MILLIMETERS.

DEFLECTIONS ARE TAKEN AT TWENTIETH POINTS BETWEEN BEARINGS.

PROJECT NO. R-2206B

LINCOLN COUNTY

STATION: 123+38.105 -L-

SHEET 2 OF 4

NORTH CAROLINA PROFESSIONAL SEAL 20211 ENGINEER THOMAS G. PAYNE

Thomas G. Payne 8/23/04

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
DEAD LOAD DEFLECTION TABLES
(LEFT LANE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-19
1			3			TOTAL SHEETS
2			4			86

STR. #1

DRAWN BY : M. J. OSTRISHKO DATE : 4-2-01
CHECKED BY : E. G. ALLEN DATE : 4-20-01

20-AUG-2004 15:51
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