DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN "A"
GIRDER 5

TWENTIETH POINTS	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	0.002	0.003	0.004	0.006	0.007	0.008	0.008	0.008	0.008	0.007	0.007	0.005	0.005	0.004	0.003	0.002	0.001	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.005	0.010	0.015	0.018	0.021	0.023	0.025	0.025	0.024	0.023	0.020	0.018	0.014	0.011	0.008	0.005	0.003	0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF RAIL ↓	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
TOTAL DEAD LOAD DEFLECTION ↓	0.000	0.007	0.013	0.019	0.024	0.028	0.031	0.033	0.033	0.032	0.030	0.027	0.023	0.019	0.015	0.011	0.007	0.004	0.001	0.000	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	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	0.000	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	7	13	19	24	28	31	33	33	32	30	27	24	19	15	11	7	4	1	0	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN "B"
GIRDER 5

TWENTIETH POINTS	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	0.002	0.004	0.006	0.007	0.009	0.010	0.012	0.013	0.013	0.013	0.013	0.012	0.011	0.009	0.007	0.005	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.002	0.005	0.009	0.013	0.018	0.023	0.028	0.033	0.036	0.039	0.041	0.041	0.040	0.038	0.034	0.029	0.023	0.016	0.008	0.000
DEFLECTION DUE TO WEIGHT OF RAIL ↓	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
TOTAL DEAD LOAD DEFLECTION ↓	0.000	0.002	0.006	0.011	0.017	0.024	0.030	0.037	0.043	0.048	0.052	0.054	0.054	0.053	0.050	0.045	0.038	0.030	0.021	0.011	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	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	0.000	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	6	11	17	24	30	37	43	48	52	54	54	53	50	45	38	30	21	11	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN "A"
GIRDER 6

TWENTIETH POINTS	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	0.002	0.003	0.005	0.006	0.007	0.008	0.008	0.008	0.008	0.008	0.007	0.006	0.005	0.004	0.003	0.002	0.001	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.005	0.010	0.014	0.018	0.021	0.023	0.024	0.024	0.024	0.022	0.020	0.017	0.014	0.011	0.008	0.005	0.003	0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF RAIL ↓	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
TOTAL DEAD LOAD DEFLECTION ↓	0.000	0.007	0.013	0.019	0.024	0.028	0.031	0.032	0.032	0.032	0.030	0.027	0.023	0.019	0.015	0.011	0.007	0.003	0.001	0.000	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	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	0.000	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	7	13	19	24	28	31	32	32	32	30	27	23	19	15	11	7	4	1	0	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN "B"
GIRDER 6

TWENTIETH POINTS	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	0.001	0.003	0.004	0.005	0.007	0.009	0.010	0.011	0.013	0.013	0.013	0.013	0.012	0.011	0.010	0.008	0.004	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.002	0.005	0.008	0.013	0.018	0.023	0.027	0.032	0.036	0.038	0.040	0.040	0.039	0.037	0.033	0.028	0.022	0.016	0.008	0.000
DEFLECTION DUE TO WEIGHT OF RAIL ↓	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
TOTAL DEAD LOAD DEFLECTION ↓	0.000	0.002	0.006	0.011	0.017	0.023	0.030	0.036	0.042	0.047	0.051	0.053	0.053	0.052	0.049	0.044	0.038	0.030	0.020	0.011	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	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	0.000	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	6	11	17	23	30	36	42	47	51	53	53	52	49	44	38	30	21	11	0

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

DRAWN BY : M. G. SHAIKH DATE : 08-13-04
CHECKED BY : D. A. GLADDEN DATE : 08-04

NORTH CAROLINA PROFESSIONAL SEAL 15825 ENGINEER BRUCE D. KLAPPENBACH
9-2-04

PROJECT NO. U-2717
GUILFORD COUNTY
STATION: 40+56.584 -L-

SHEET 3 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE DEAD LOAD DEFLECTIONS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-22
1			3			TOTAL SHEETS
2			4			47