

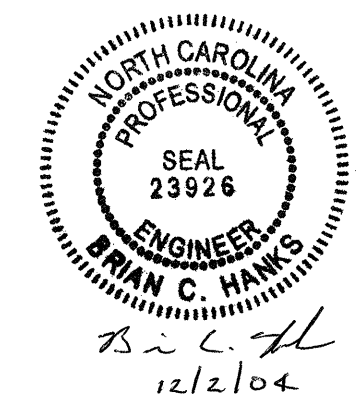
DEAD LOAD DEFLECTION TABLE FOR BEAMS																						
BEAM A1												BEAM A2										
TENTH POINTS	BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	BRG.	BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	BRG.
DEFLECTION DUE TO WEIGHT OF STEEL	0	0.003	0.006	0.008	0.009	0.009	0.009	0.008	0.006	0.003	0	0	0.003	0.006	0.008	0.010	0.010	0.010	0.008	0.006	0.003	0
*DEFLECTION DUE TO WEIGHT OF SLAB	0	0.026	0.049	0.067	0.079	0.083	0.079	0.067	0.049	0.026	0	0	0.030	0.057	0.078	0.091	0.096	0.091	0.078	0.057	0.030	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.002	0.004	0.005	0.006	0.007	0.006	0.005	0.004	0.002	0	0	0.001	0.003	0.004	0.004	0.004	0.004	0.004	0.003	0.001	0
TOTAL DEAD LOAD DEFLECTION	0	0.031	0.059	0.080	0.094	0.099	0.094	0.080	0.059	0.031	0	0	0.034	0.066	0.090	0.105	0.110	0.105	0.090	0.066	0.034	0
VERTICAL CURVE ORDINATE	0	0.042	0.075	0.098	0.112	0.116	0.110	0.095	0.072	0.041	0	0	0.043	0.077	0.101	0.115	0.120	0.115	0.101	0.077	0.042	0
REQUIRED CAMBER	0	7/8"	1 5/8"	2 1/8"	2 1/2"	2 9/16"	2 7/16"	2 1/8"	1 9/16"	7/8"	0	0	1 5/16"	1 11/16"	2 5/16"	2 5/8"	2 3/4"	2 5/8"	2 5/16"	1 11/16"	1 5/16"	0

NOTES: \* INCLUDES SLAB, BUILD UPS & STAY-IN-PLACE FORMS  
 ALL VALUES ARE SHOWN IN FEET (DECIMAL FEET), EXCEPT "REQUIRED CAMBER" WHICH IS GIVEN IN INCHES (FRACTION FORM).

DEAD LOAD DEFLECTION TABLE FOR BEAMS																						
BEAM A3												BEAM A4										
TENTH POINTS	BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	BRG.	BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	BRG.
DEFLECTION DUE TO WEIGHT OF STEEL	0	0.003	0.006	0.008	0.010	0.010	0.010	0.008	0.006	0.003	0	0	0.003	0.006	0.008	0.009	0.009	0.009	0.008	0.006	0.003	0
*DEFLECTION DUE TO WEIGHT OF SLAB	0	0.030	0.057	0.078	0.091	0.096	0.091	0.078	0.057	0.030	0	0	0.025	0.048	0.065	0.076	0.080	0.076	0.065	0.048	0.025	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.001	0.003	0.004	0.004	0.004	0.004	0.004	0.003	0.001	0	0	0.002	0.004	0.005	0.006	0.007	0.006	0.005	0.004	0.002	0
TOTAL DEAD LOAD DEFLECTION	0	0.034	0.066	0.090	0.105	0.110	0.105	0.090	0.066	0.034	0	0	0.030	0.058	0.078	0.091	0.096	0.091	0.078	0.058	0.030	0
VERTICAL CURVE ORDINATE	0	0.036	0.065	0.091	0.107	0.113	0.110	0.097	0.074	0.042	0	0	0.034	0.059	0.074	0.087	0.096	0.096	0.086	0.068	0.038	0
REQUIRED CAMBER	0	1 3/16"	1 9/16"	2 3/16"	2 9/16"	2 11/16"	2 9/16"	2 1/4"	1 11/16"	1 5/16"	0	0	3/4"	1 3/8"	1 13/16"	2 1/8"	2 5/16"	2 1/4"	1 15/16"	1 1/2"	1 3/16"	0

NOTES: \* INCLUDES SLAB, BUILD UPS & STAY-IN-PLACE FORMS  
 ALL VALUES ARE SHOWN IN FEET (DECIMAL FEET), EXCEPT "REQUIRED CAMBER" WHICH IS GIVEN IN INCHES (FRACTION FORM).

PROJECT NO. B-3659  
HAYWOOD COUNTY  
 STATION: 14+42.00 -L-



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUPERSTRUCTURE  
 DEAD LOAD  
 DEFLECTIONS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-10
1			3			TOTAL SHEETS
2			4			23

DRAWN BY : D. G. ELY      DATE : 08/27/03  
 CHECKED BY : A. B. NAIK      DATE : 04/05/04