

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

TWENTIETH POINTS	SPAN A																				SPAN B																					
	GIRDER 10																				GIRDER 10																					
	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0	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	-0.013	-0.025	-0.035	-0.045	-0.052	-0.058	-0.061	-0.062	-0.061	-0.058	-0.053	-0.047	-0.040	-0.032	-0.025	-0.017	-0.011	-0.006	-0.002	0.000	0.000	-0.001	-0.003	-0.007	-0.012	-0.018	-0.024	-0.030	-0.036	-0.042	-0.046	-0.049	-0.050	-0.047	-0.043	-0.037	-0.029	-0.020	-0.010	0.000	
DEFLECTION DUE TO WEIGHT OF SLAB*	0.000	-0.026	-0.050	-0.072	-0.091	-0.107	-0.118	-0.124	-0.127	-0.125	-0.119	-0.109	-0.096	-0.082	-0.066	-0.051	-0.036	-0.023	-0.012	-0.004	0.000	0.000	-0.001	-0.005	-0.013	-0.023	-0.034	-0.046	-0.058	-0.071	-0.081	-0.090	-0.096	-0.098	-0.097	-0.093	-0.084	-0.072	-0.058	-0.040	-0.021	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.003	-0.006	-0.009	-0.011	-0.013	-0.015	-0.015	-0.016	-0.016	-0.015	-0.014	-0.012	-0.011	-0.009	-0.007	-0.005	-0.003	-0.002	-0.001	0.000	0.000	0.000	-0.001	-0.002	-0.003	-0.005	-0.006	-0.008	-0.009	-0.011	-0.012	-0.012	-0.012	-0.012	-0.012	-0.010	-0.009	-0.007	-0.005	-0.003	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.041	-0.081	-0.116	-0.147	-0.172	-0.190	-0.201	-0.205	-0.201	-0.191	-0.176	-0.155	-0.132	-0.107	-0.082	-0.058	-0.037	-0.019	-0.006	0.000	0.000	-0.001	-0.009	-0.021	-0.038	-0.056	-0.076	-0.096	-0.116	-0.134	-0.147	-0.157	-0.161	-0.159	-0.151	-0.138	-0.118	-0.094	-0.065	-0.033	0.000
VERTICAL CURVE ORDINATE	0.000	+0.063	+0.120	+0.169	+0.212	+0.249	+0.279	+0.302	+0.319	+0.329	+0.332	+0.329	+0.319	+0.302	+0.279	+0.249	+0.212	+0.169	+0.120	+0.063	0.000	0.000	+0.047	+0.087	+0.121	+0.149	+0.170	+0.186	+0.195	+0.198	+0.195	+0.185	+0.170	+0.151	+0.132	+0.113	+0.094	+0.075	+0.057	+0.038	+0.019	0.000
REQUIRED CAMBER	0	+1/4"	+2 3/8"	+3 3/16"	+4 3/16"	+5 1/16"	+5 5/8"	+6 1/16"	+6 1/4"	+6 3/8"	+6 1/4"	+6 1/16"	+5 11/16"	+5 3/16"	+4 5/8"	+3 5/16"	+3 1/4"	+2 1/2"	+1 11/16"	+1 3/16"	0	0	+3/16"	+1 1/8"	+1 11/16"	+2 1/4"	+2 11/16"	+3 1/8"	+3 1/2"	+3 3/4"	+3 5/16"	+4"	+3 5/16"	+3 3/4"	+3 1/2"	+3 3/16"	+2 3/4"	+2 5/16"	+1 3/16"	+1 1/4"	+5/8"	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
 ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "REQUIRED CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).
 DEFLECTIONS ARE TAKEN AT TWENTIETH POINTS BETWEEN BEARINGS.



PROJECT NO. I-2102
FORSYTH COUNTY
 STATION: 20+71.54 -L-

SHEET 3 OF 3



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUPERSTRUCTURE
 DEAD LOAD
 DEFLECTIONS

DRAWN BY: J.P. ADAMS DATE: 8/21/03
 CHECKED BY: S.H. SOCKWELL DATE: 10/3/03

REVISIONS				SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: **51**