

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

TWENTIETH POINTS	GIRDER #1																																								
	SPAN A																		SPAN B																						
	BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	-0.026	-0.051	-0.074	-0.094	-0.111	-0.124	-0.132	-0.137	-0.136	-0.132	-0.124	-0.113	-0.099	-0.083	-0.067	-0.050	-0.035	-0.020	-0.009	0.000	0.004	0.006	0.006	0.004	0.002	-0.001	-0.005	-0.009	-0.012	-0.016	-0.019	-0.021	-0.022	-0.021	-0.020	-0.018	-0.014	-0.010	-0.005	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.070	-0.137	-0.198	-0.253	-0.298	-0.333	-0.357	-0.369	-0.370	-0.359	-0.339	-0.308	-0.271	-0.230	-0.185	-0.140	-0.097	-0.058	-0.024	0.000	0.012	0.018	0.021	0.020	0.015	0.008	0.002	-0.007	-0.017	-0.024	-0.031	-0.036	-0.039	-0.041	-0.039	-0.035	-0.029	-0.020	-0.011	0.000
DEFLECTION DUE TO WEIGHT OF RAIL & SIDEWALK	0.000	-0.012	-0.023	-0.033	-0.042	-0.049	-0.055	-0.059	-0.061	-0.061	-0.060	-0.056	-0.052	-0.046	-0.039	-0.031	-0.024	-0.016	-0.010	-0.004	0.000	0.002	0.003	0.003	0.003	0.002	0.001	-0.001	-0.002	-0.003	-0.005	-0.006	-0.007	-0.007	-0.007	-0.006	-0.005	-0.004	-0.002	0.000	
TOTAL DEAD LOAD DEFLECTION	0.000	-0.108	-0.211	-0.305	-0.389	-0.458	-0.512	-0.548	-0.567	-0.567	-0.551	-0.519	-0.473	-0.416	-0.352	-0.283	-0.214	-0.148	-0.088	-0.037	0.000	0.018	0.027	0.030	0.027	0.019	0.008	-0.004	-0.018	-0.032	-0.045	-0.056	-0.064	-0.068	-0.069	-0.066	-0.059	-0.048	-0.034	-0.018	0.000
REQUIRED CAMBER	0	15/16"	29/16"	31/16"	41/16"	51/2"	63/16"	65/8"	613/16"	613/16"	65/8"	61/4"	511/16"	5"	41/4"	37/16"	25/8"	113/16"	11/16"	1/2"	0	-1/4"	-3/8"	-3/8"	-3/8"	-1/4"	-1/8"	1/16"	1/4"	7/16"	9/16"	11/16"	13/16"	7/8"	7/8"	13/16"	3/4"	5/8"	7/16"	1/4"	0

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

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

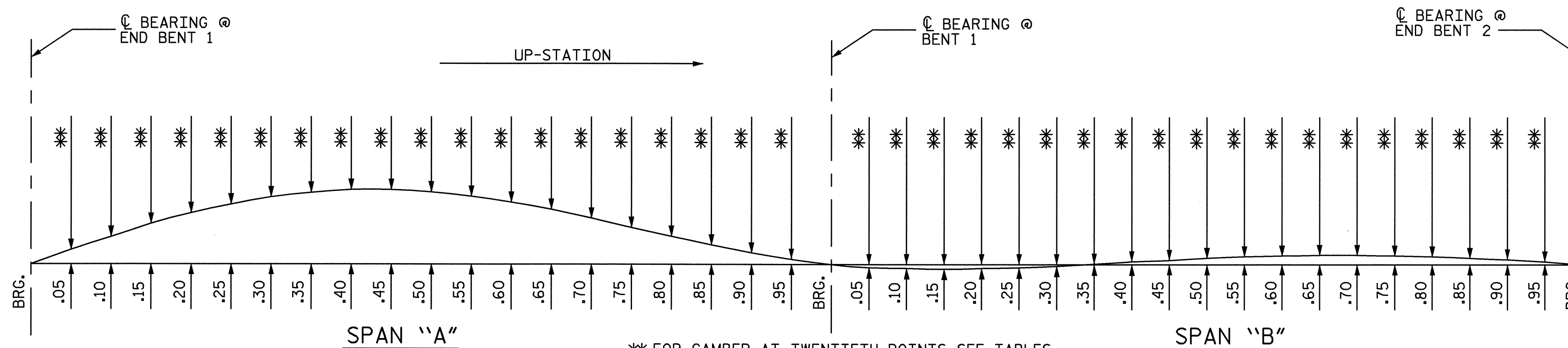
TWENTIETH POINTS	GIRDER #2-#4																																								
	SPAN A																		SPAN B																						
	BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	-0.026	-0.051	-0.074	-0.094	-0.111	-0.124	-0.132	-0.137	-0.136	-0.132	-0.124	-0.113	-0.099	-0.083	-0.067	-0.050	-0.035	-0.020	-0.009	0.000	0.004	0.006	0.006	0.004	0.002	-0.001	-0.005	-0.009	-0.012	-0.016	-0.019	-0.021	-0.022	-0.021	-0.020	-0.018	-0.014	-0.010	-0.005	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.070	-0.137	-0.199	-0.253	-0.298	-0.332	-0.358	-0.368	-0.370	-0.360	-0.339	-0.309	-0.271	-0.230	-0.184	-0.140	-0.096	-0.058	-0.024	0.000	0.012	0.018	0.021	0.019	0.015	0.008	0.002	-0.007	-0.017	-0.024	-0.030	-0.036	-0.039	-0.041	-0.039	-0.034	-0.029	-0.021	-0.010	0.000
DEFLECTION DUE TO WEIGHT OF RAIL & SIDEWALK	0.000	-0.011	-0.022	-0.032	-0.041	-0.048	-0.054	-0.057	-0.060	-0.060	-0.058	-0.055	-0.050	-0.045	-0.038	-0.031	-0.023	-0.016	-0.010	-0.004	0.000	0.002	0.003	0.003	0.003	0.002	0.001	-0.001	-0.002	-0.003	-0.005	-0.006	-0.007	-0.007	-0.007	-0.007	-0.006	-0.005	-0.003	-0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.107	-0.210	-0.305	-0.388	-0.457	-0.510	-0.547	-0.565	-0.566	-0.550	-0.518	-0.472	-0.415	-0.351	-0.282	-0.213	-0.147	-0.088	-0.037	0.000	0.018	0.027	0.030	0.026	0.019	0.008	-0.004	-0.018	-0.032	-0.045	-0.055	-0.064	-0.068	-0.069	-0.066	-0.058	-0.048	-0.034	-0.017	0.000
REQUIRED CAMBER	0	15/16"	29/16"	31/16"	41/16"	51/2"	61/8"	63/16"	613/16"	613/16"	65/8"	61/4"	511/16"	5"	41/4"	37/16"	29/16"	113/16"	11/16"	1/2"	0	-1/4"	-3/8"	-3/8"	-3/8"	-1/4"	-1/8"	1/16"	1/4"	7/16"	9/16"	11/16"	13/16"	7/8"	7/8"	13/16"	3/4"	5/8"	7/16"	1/4"	0

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

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

TWENTIETH POINTS	GIRDER #5																																								
	SPAN A																		SPAN B																						
	BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	-0.026	-0.051	-0.074	-0.094	-0.111	-0.124	-0.132	-0.137	-0.136	-0.132	-0.124	-0.113	-0.099	-0.083	-0.067	-0.050	-0.035	-0.020	-0.009	0.000	0.004	0.006	0.006	0.004	0.002	-0.001	-0.005	-0.009	-0.012	-0.016	-0.019	-0.021	-0.022	-0.021	-0.020	-0.018	-0.014	-0.010	-0.005	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.067	-0.132	-0.192	-0.245	-0.289	-0.322	-0.346	-0.357	-0.359	-0.348	-0.329	-0.299	-0.263	-0.223	-0.179	-0.135	-0.094	-0.056	-0.024	0.000	0.012	0.018	0.020	0.019	0.015	0.008	0.002	-0.007	-0.016	-0.023	-0.030	-0.035	-0.038	-0.040	-0.038	-0.034	-0.028	-0.019	-0.010	0.000
DEFLECTION DUE TO WEIGHT OF RAIL & SIDEWALK	0.000	-0.012	-0.023	-0.033	-0.042	-0.049	-0.055	-0.059	-0.061	-0.061	-0.060	-0.056	-0.052	-0.046	-0.039	-0.031	-0.024	-0.016	-0.010	-0.004	0.000	0.002	0.003	0.003	0.003	0.002	0.001	-0.001	-0.002	-0.003	-0.005	-0.006	-0.007	-0.007	-0.007	-0.007	-0.006	-0.005	-0.004	-0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.105	-0.206	-0.299	-0.381	-0.449	-0.501	-0.537	-0.555	-0.556	-0.540	-0.509	-0.464	-0.408	-0.345	-0.277	-0.209	-0.145	-0.086	-0.037	0.000	0.018	0.027	0.029	0.026	0.019	0.008	-0.004	-0.018	-0.031	-0.044	-0.055	-0.063	-0.067	-0.068	-0.065	-0.058	-0.047	-0.033	-0.017	0.000
REQUIRED CAMBER	0	15/16"	21/2"	35/8"	45/8"	57/16"	61/16"	61/2"	611/16"	611/16"	61/2"	61/8"	55/8"	415/16"	43/16"	33/8"	29/16"	13/4"	11/16"	1/2"	0	-1/4"	-3/8"	-3/8"	-5/16"	-1/4"	-1/8"	1/16"	1/4"	3/8"	9/16"	11/16"	13/16"	13/16"	7/8"	13/16"	3/4"	9/16"	7/16"	1/4"	0

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



** FOR CAMBER AT TWENTIETH POINTS, SEE TABLES
SLOPE FOR THE ZERO CAMBER BASE LINE VARIES

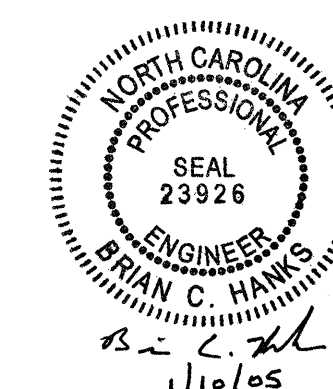
SCHEMATIC CAMBER ORDINATES

PROJECT NO. U-3837
FORSYTH COUNTY
 STATION: 21+64.07 -L-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DEAD LOAD DEFLECTIONS

(RIGHT LANE)



DRAWN BY : MIKE BRITT DATE : 12-23-03
 CHECKED BY : William J. Parker DATE : 052604

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-59	
1			3			TOTAL SHEETS	
2			4			78	