

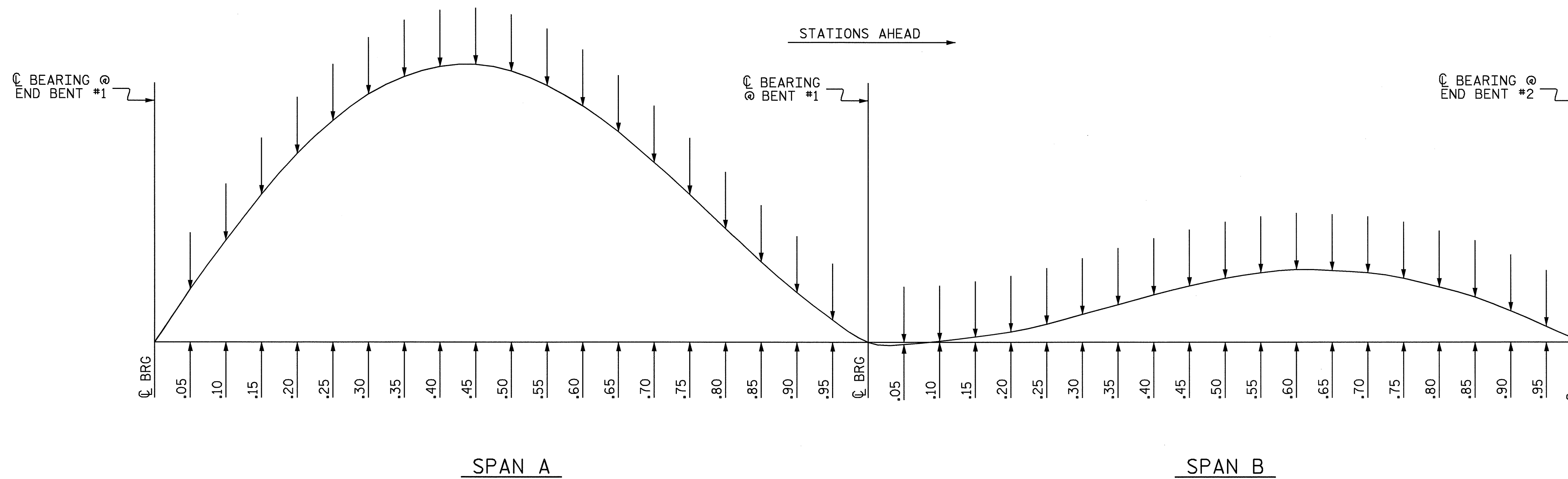
DEAD LOAD DEFLECTION TABLE FOR GIRDERS

TWENTIETH POINTS	SPAN A GIRDER #1																			SPAN B GIRDER #1																					
	¢ 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 STEEL	0.000	0.010	0.019	0.028	0.036	0.042	0.047	0.050	0.052	0.052	0.050	0.047	0.043	0.038	0.032	0.026	0.019	0.013	0.008	0.003	0.000	-0.002	-0.002	-0.002	-0.002	-0.001	0.001	0.003	0.005	0.006	0.008	0.009	0.010	0.011	0.010	0.010	0.009	0.007	0.005	0.003
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.025	0.049	0.072	0.091	0.107	0.120	0.128	0.133	0.133	0.129	0.121	0.110	0.097	0.082	0.065	0.049	0.034	0.020	0.009	0.000	-0.004	-0.006	-0.006	-0.005	-0.002	0.002	0.006	0.011	0.015	0.020	0.023	0.025	0.026	0.026	0.024	0.021	0.017	0.012	0.006	0.000
DEFLECTION DUE TO COMPOSITE DEAD LOAD	0.000	0.005	0.011	0.015	0.020	0.023	0.026	0.028	0.029	0.029	0.028	0.026	0.024	0.021	0.018	0.014	0.011	0.008	0.004	0.002	0.000	-0.001	-0.001	-0.001	-0.001	0.000	0.001	0.002	0.003	0.004	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.004	0.003	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.040	0.079	0.115	0.147	0.172	0.193	0.206	0.214	0.214	0.207	0.194	0.177	0.156	0.132	0.105	0.079	0.055	0.032	0.014	0.000	-0.007	-0.009	-0.009	-0.008	-0.003	0.004	0.011	0.019	0.025	0.033	0.037	0.041	0.043	0.042	0.040	0.035	0.028	0.020	0.010	0.000
VERTICAL CURVE ORDINATE	0.000	0.008	0.014	0.020	0.025	0.030	0.033	0.036	0.038	0.039	0.040	0.039	0.038	0.036	0.033	0.030	0.025	0.020	0.014	0.008	0.000	0.005	0.010	0.014	0.017	0.020	0.023	0.024	0.026	0.027	0.027	0.027	0.026	0.024	0.023	0.020	0.017	0.014	0.010	0.005	0.000
REQUIRED CAMBER	0	48	93	135	172	202	226	242	252	253	247	233	215	192	165	135	104	75	46	22	0	-2	1	5	9	17	27	35	45	52	60	64	67	67	65	60	52	42	30	15	0

TWENTIETH POINTS	SPAN A GIRDER #2 THRU #5																			SPAN B GIRDER #2 THRU #5																						
	¢ 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 STEEL	0.000	0.010	0.019	0.028	0.036	0.042	0.047	0.050	0.052	0.052	0.050	0.047	0.043	0.038	0.032	0.026	0.019	0.013	0.008	0.003	0.000	-0.002	-0.002	-0.002	-0.002	-0.001	0.001	0.003	0.005	0.006	0.008	0.009	0.010	0.011	0.010	0.010	0.009	0.007	0.005	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.022	0.043	0.063	0.080	0.094	0.105	0.113	0.117	0.117	0.113	0.107	0.097	0.085	0.072	0.057	0.043	0.030	0.018	0.007	0.000	-0.004	-0.005	-0.005	-0.004	-0.002	0.001	0.005	0.010	0.014	0.017	0.020	0.022	0.023	0.023	0.021	0.019	0.015	0.010	0.005	0.000	
DEFLECTION DUE TO COMPOSITE DEAD LOAD	0.000	0.005	0.011	0.015	0.020	0.023	0.026	0.028	0.029	0.029	0.028	0.026	0.024	0.021	0.018	0.014	0.011	0.008	0.004	0.002	0.000	-0.001	-0.001	-0.001	-0.001	0.000	0.001	0.002	0.003	0.004	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.004	0.003	0.001	0.000	
TOTAL DEAD LOAD DEFLECTION	0.000	0.037	0.073	0.106	0.136	0.159	0.178	0.191	0.198	0.198	0.191	0.180	0.164	0.144	0.122	0.097	0.073	0.051	0.030	0.012	0.000	-0.007	-0.008	-0.008	-0.007	-0.003	0.003	0.010	0.018	0.024	0.030	0.034	0.038	0.040	0.039	0.037	0.033	0.026	0.018	0.009	0.000	
VERTICAL CURVE ORDINATE	0.000	0.008	0.014	0.020	0.025	0.030	0.033	0.036	0.038	0.039	0.040	0.039	0.038	0.036	0.033	0.030	0.025	0.020	0.014	0.008	0.000	0.005	0.010	0.014	0.017	0.020	0.023	0.024	0.026	0.027	0.027	0.027	0.027	0.026	0.024	0.023	0.020	0.017	0.014	0.010	0.005	0.000
REQUIRED CAMBER	0	45	87	126	161	189	211	227	236	237	231	219	202	180	155	127	98	71	44	20	0	-2	2	6	10	17	26	34	44	51	57	61	64	64	62	57	50	40	28	14	0	

TWENTIETH POINTS	SPAN A GIRDER #6																			SPAN B GIRDER #6																						
	¢ 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 STEEL	0.000	0.010	0.019	0.028	0.036	0.042	0.047	0.050	0.052	0.052	0.050	0.047	0.043	0.038	0.032	0.026	0.019	0.013	0.008	0.003	0.000	-0.002	-0.002	-0.002	-0.002	-0.001	0.001	0.003	0.005	0.006	0.008	0.009	0.010	0.011	0.010	0.010	0.009	0.007	0.005	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.025	0.048	0.070	0.089	0.105	0.117	0.126	0.130	0.130	0.126	0.119	0.108	0.095	0.080	0.064	0.048	0.033	0.020	0.008	0.000	-0.004	-0.006	-0.006	-0.005	-0.002	0.002	0.006	0.011	0.015	0.019	0.022	0.024	0.025	0.025	0.024	0.021	0.017	0.012	0.006	0.000	
DEFLECTION DUE TO COMPOSITE DEAD LOAD	0.000	0.005	0.011	0.015	0.020	0.023	0.026	0.028	0.029	0.029	0.028	0.026	0.024	0.021	0.018	0.014	0.011	0.008	0.004	0.002	0.000	-0.001	-0.001	-0.001	-0.001	0.000	0.001	0.002	0.003	0.004	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.004	0.003	0.001	0.000	
TOTAL DEAD LOAD DEFLECTION	0.000	0.040	0.078	0.113	0.145	0.170	0.190	0.204	0.211	0.211	0.204	0.192	0.175	0.154	0.130	0.104	0.078	0.054	0.032	0.013	0.000	-0.007	-0.009	-0.009	-0.008	-0.003	0.004	0.011	0.019	0.025	0.032	0.036	0.040	0.042	0.041	0.040	0.035	0.028	0.020	0.010	0.000	
VERTICAL CURVE ORDINATE	0.000	0.008	0.014	0.020	0.025	0.030	0.033	0.036	0.038	0.039	0.040	0.039	0.038	0.036	0.033	0.030	0.025	0.020	0.014	0.008	0.000	0.005	0.010	0.014	0.017	0.020	0.023	0.024	0.026	0.027	0.027	0.027	0.027	0.026	0.024	0.023	0.020	0.017	0.014	0.010	0.005	0.000
REQUIRED CAMBER	0	48	92	133	170	200	223	240	249	250	244	231	213	190	163	134	103	74	46	21	0	-2	1	5	9	17	27	35	45	52	59	63	66	66	64	60	52	42	30	15	0	

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



SCHEMATIC CAMBER ORDINATES

SLOPE FOR THE ZERO CAMBER BASE LINE VARIES.

PROJECT NO. R-2911A
IREDELL COUNTY
 STATION: 39+62.402-L-



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 DEAD LOAD DEFLECTION
 TABLES
 RIGHT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-41
1			3			TOTAL SHEETS 106
2			4			

DRAWN BY: L.L. MURPHY DATE: 02-04
 CHECKED BY: D. HODGE DATE: 04-04