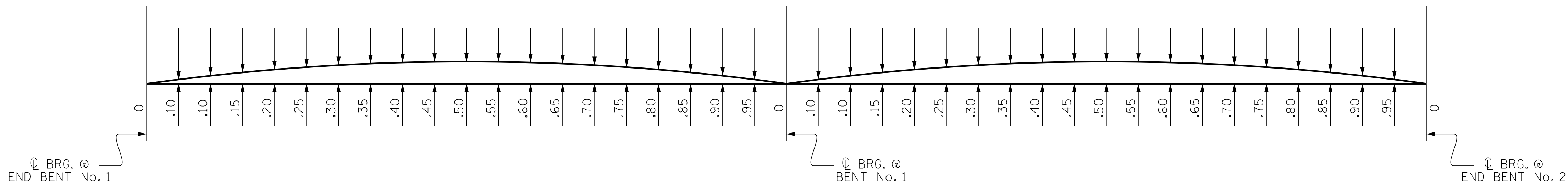


DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN A - GIRDERS 1 THRU 4																					
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER ↓	0.000	0.010	0.020	0.029	0.036	0.043	0.047	0.049	0.050	0.049	0.046	0.042	0.037	0.031	0.024	0.017	0.011	0.006	0.003	0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.037	0.073	0.105	0.133	0.155	0.171	0.180	0.183	0.179	0.170	0.154	0.135	0.112	0.088	0.064	0.042	0.023	0.010	0.002	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL ↓	0.000	0.005	0.010	0.015	0.019	0.022	0.024	0.025	0.026	0.025	0.024	0.022	0.020	0.016	0.013	0.010	0.006	0.004	0.002	0.000	0.000
TOTAL DEAD LOAD DEFLECTION ↓	0.000	0.052	0.103	0.149	0.188	0.220	0.242	0.254	0.259	0.253	0.240	0.218	0.192	0.159	0.125	0.091	0.059	0.033	0.015	0.003	0.000
VERTICAL CURVE ORDINATE ↑	0.000	0.042	0.080	0.113	0.142	0.167	0.187	0.202	0.213	0.220	0.222	0.220	0.213	0.202	0.187	0.167	0.142	0.113	0.080	0.042	0.000
REQUIRED CAMBER ↑	0	1/8"	23/16"	3/8"	315/16"	45/8"	5/8"	51/2"	511/16"	511/16"	59/16"	5/4"	47/8"	45/16"	33/4"	3/16"	27/16"	13/4"	1/8"	9/16"	0

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

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
SPAN B - GIRDERS 1 THRU 4																					
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	0.005	0.009	0.015	0.022	0.029	0.036	0.043	0.049	0.053	0.056	0.057	0.056	0.052	0.047	0.041	0.032	0.022	0.011	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.005	0.016	0.032	0.052	0.077	0.103	0.129	0.153	0.173	0.189	0.199	0.202	0.198	0.187	0.169	0.145	0.115	0.079	0.041	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL ↓	0.000	0.001	0.002	0.005	0.008	0.011	0.015	0.019	0.022	0.025	0.027	0.028	0.028	0.028	0.026	0.024	0.020	0.016	0.011	0.006	0.000
TOTAL DEAD LOAD DEFLECTION ↓	0.000	0.007	0.023	0.046	0.075	0.110	0.147	0.184	0.218	0.247	0.269	0.283	0.287	0.282	0.265	0.240	0.206	0.163	0.112	0.058	0.000
VERTICAL CURVE ORDINATE ↑	0.000	0.043	0.082	0.116	0.146	0.171	0.191	0.207	0.219	0.226	0.228	0.226	0.219	0.207	0.191	0.171	0.146	0.116	0.082	0.043	0.000
REQUIRED CAMBER ↑	0	5/8"	11/4"	115/16"	25/8"	33/8"	41/16"	411/16"	5/4"	511/16"	515/16"	6/8"	6/16"	57/8"	51/2"	415/16"	43/16"	33/8"	25/16"	13/16"	0

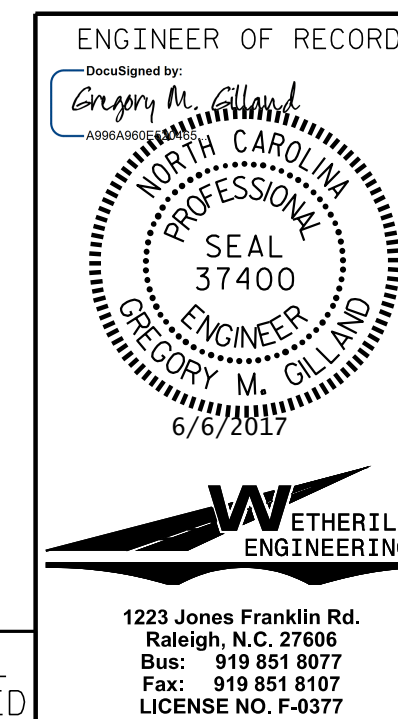
\* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.  
ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).



SCHEMATIC CAMBER ORDINATES

SLOPE FOR THE ZERO CAMBER BASE LINE VARIES.

PROJECT NO. I-5786  
JOHNSTON COUNTY  
STATION: 17+77.11 -Y1-



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUPERSTRUCTURE  
DEAD LOAD  
DEFLECTION TABLES

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S01-14
1			3			TOTAL SHEETS
2			4			32

DRAWN BY: D. HODGE DATE: 5/17  
CHECKED BY: B.C. HUNT DATE: 5/17

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED