

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
ORDINATES	SPAN A																				
	GIRDER 1																				
TWENTIETH POINTS	BRG.	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	BRG.
DEFLECTION DUE TO WEIGHT OF STEEL	0.000	0.014	0.028	0.039	0.051	0.059	0.068	0.070	0.073	0.071	0.070	0.063	0.057	0.049	0.041	0.031	0.022	0.014	0.007	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.045	0.091	0.129	0.167	0.192	0.218	0.228	0.238	0.232	0.226	0.207	0.188	0.159	0.130	0.100	0.071	0.048	0.024	0.012	0.000
DEFLECTION DUE TO WEIGHT OF RAIL	0.000	0.005	0.010	0.015	0.019	0.022	0.025	0.026	0.027	0.026	0.026	0.023	0.021	0.018	0.014	0.011	0.008	0.005	0.003	0.001	0.000
DEFLECTION DUE TO WEIGHT OF SIDEWALK	0.000	0.003	0.005	0.007	0.009	0.011	0.013	0.013	0.013	0.013	0.013	0.011	0.010	0.008	0.007	0.005	0.003	0.002	0.001	0.000	0.000
TOTAL DL DEFLECTION	0.000	0.067	0.133	0.190	0.246	0.284	0.323	0.336	0.350	0.342	0.334	0.305	0.275	0.233	0.192	0.148	0.103	0.069	0.034	0.017	0.000
REQUIRED CAMBER	0"	13/16"	1 5/8"	2 1/4"	2 15/16"	3 7/16"	3 7/8"	4 1/16"	4 3/16"	4 1/8"	4"	3 5/8"	3 5/16"	2 13/16"	2 5/16"	1 3/4"	1 1/4"	13/16"	7/16"	3/16"	0"

ORDINATES	SPAN A																				
	GIRDER 2																				
TWENTIETH POINTS	BRG.	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	BRG.
DEFLECTION DUE TO WEIGHT OF STEEL	0.000	0.013	0.026	0.037	0.048	0.055	0.063	0.065	0.067	0.065	0.063	0.056	0.050	0.042	0.034	0.026	0.018	0.011	0.005	0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.043	0.087	0.122	0.158	0.180	0.203	0.211	0.219	0.212	0.204	0.184	0.164	0.137	0.110	0.083	0.056	0.036	0.016	0.008	0.000
DEFLECTION DUE TO WEIGHT OF RAIL	0.000	0.005	0.010	0.014	0.018	0.021	0.023	0.025	0.026	0.025	0.024	0.022	0.019	0.016	0.013	0.010	0.007	0.004	0.002	0.001	0.000
DEFLECTION DUE TO WEIGHT OF SIDEWALK	0.000	0.003	0.005	0.007	0.009	0.010	0.012	0.012	0.013	0.012	0.012	0.010	0.009	0.008	0.007	0.005	0.003	0.002	0.001	0.000	0.000
TOTAL DL DEFLECTION	0.000	0.064	0.128	0.180	0.233	0.267	0.301	0.313	0.324	0.313	0.303	0.273	0.243	0.203	0.164	0.124	0.083	0.053	0.023	0.012	0.000
REQUIRED CAMBER	0"	3/4"	1 1/2"	2 3/16"	2 13/16"	3 3/16"	3 5/8"	3 3/4"	3 7/8"	3 3/4"	3 5/8"	3 1/4"	2 15/16"	2 7/16"	2"	1 1/2"	1"	5/8"	1/4"	1/8"	0"

ORDINATES	SPAN A																				
	GIRDER 3																				
TWENTIETH POINTS	BRG.	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	BRG.
DEFLECTION DUE TO WEIGHT OF STEEL	0.000	0.012	0.024	0.035	0.045	0.052	0.058	0.060	0.062	0.059	0.057	0.051	0.045	0.037	0.028	0.021	0.013	0.008	0.003	0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.041	0.082	0.115	0.148	0.169	0.190	0.195	0.201	0.193	0.184	0.164	0.143	0.118	0.092	0.066	0.041	0.024	0.008	0.004	0.000
DEFLECTION DUE TO WEIGHT OF RAIL	0.000	0.005	0.010	0.014	0.018	0.021	0.023	0.024	0.025	0.024	0.023	0.021	0.019	0.016	0.013	0.010	0.007	0.004	0.002	0.001	0.000
DEFLECTION DUE TO WEIGHT OF SIDEWALK	0.000	0.003	0.005	0.007	0.009	0.010	0.012	0.012	0.013	0.012	0.012	0.010	0.009	0.008	0.006	0.005	0.003	0.002	0.001	0.000	0.000
TOTAL DL DEFLECTION	0.000	0.060	0.121	0.171	0.221	0.252	0.283	0.292	0.300	0.288	0.276	0.246	0.217	0.178	0.138	0.101	0.064	0.038	0.013	0.006	0.000
REQUIRED CAMBER	0"	3/4"	1 7/16"	2 1/16"	2 5/8"	3"	3 3/8"	3 1/2"	3 5/8"	3 7/16"	3 5/16"	2 15/16"	2 5/8"	2 1/8"	1 11/16"	1 3/16"	3/4"	7/16"	1/8"	1/16"	0"

ORDINATES	SPAN A																				
	GIRDER 4																				
TWENTIETH POINTS	BRG.	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	BRG.
DEFLECTION DUE TO WEIGHT OF STEEL	0.000	0.012	0.024	0.034	0.044	0.050	0.055	0.057	0.058	0.055	0.052	0.045	0.039	0.031	0.023	0.015	0.008	0.004	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.039	0.078	0.110	0.141	0.160	0.178	0.182	0.186	0.175	0.164	0.143	0.123	0.097	0.071	0.048	0.025	0.012	-0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF RAIL	0.000	0.005	0.010	0.014	0.018	0.021	0.024	0.025	0.026	0.025	0.024	0.022	0.019	0.016	0.013	0.009	0.006	0.004	0.002	0.001	0.000
DEFLECTION DUE TO WEIGHT OF SIDEWALK	0.000	0.003	0.005	0.007	0.009	0.010	0.012	0.012	0.013	0.012	0.012	0.010	0.009	0.008	0.006	0.004	0.003	0.002	0.001	0.000	0.000
TOTAL DL DEFLECTION	0.000	0.059	0.118	0.165	0.213	0.241	0.269	0.276	0.283	0.267	0.252	0.221	0.190	0.151	0.112	0.077	0.042	0.022	0.002	0.001	0.000
REQUIRED CAMBER	0"	11/16"	1 7/16"	2"	2 9/16"	2 7/8"	3 1/4"	3 5/16"	3 3/8"	3 3/16"	3"	2 5/8"	2 1/4"	1 13/16"	1 5/16"	15/16"	1/2"	1/4"	0"	0"	0"

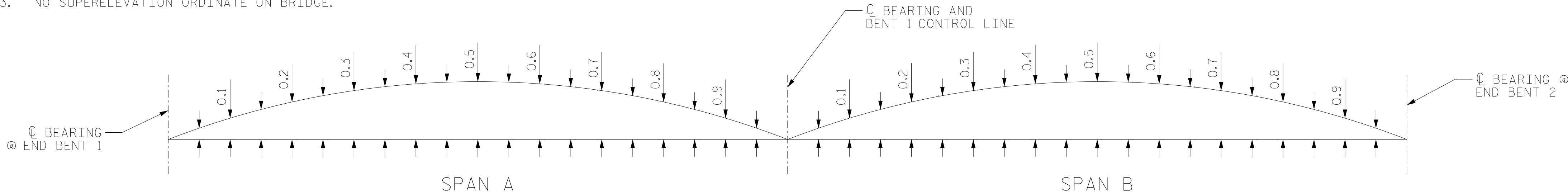
\* INCLUDES SLAB, BUILD-UP AND STAY-IN-PLACE METAL FORMS.

**CAMBER NOTES:**

- ALL DEFLECTION VALUES SHOWN ARE IN FEET (DECIMAL FORM), EXCEPT FOR "REQUIRED CAMBER" GIVEN IN INCHES (FRACTION FORM).
- NO VERTICAL CURVE ORDINATE ON BRIDGE.
- NO SUPERELEVATION ORDINATE ON BRIDGE.

PROJECT NO. U-2579AB  
FORSYTH COUNTY  
 STATION: 22+26.35 -Y1B-

SHEET 1 OF 2



**SCHEMATIC CAMBER ORDINATES**

FOR CAMBER VALUES AT 20TH POINTS, SEE TABLES.

DRAWN BY : TRM DATE : 07/2019  
 CHECKED BY : JMR DATE : 11/2019  
 DESIGN ENGINEER OF RECORD: MAL DATE : 11/2019

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SUPERSTRUCTURE**  
**DEAD LOAD DEFLECTIONS**  
 SPAN A

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-17
1			3			TOTAL SHEETS
2			4			47