

NOTE:
FABRICATOR SHALL DETAIL DIAPHRAGM MEMBERS AND CONNECTIONS FOR NO-LOAD FIT-UP.

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
ORDINATES	SPAN "C"																				
	GIRDER 3																				
TWENTIETH POINTS	BRG.	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	BRG.
DEFLECTION DUE TO WEIGHT OF STEEL	0.000	0.000	0.001	0.004	0.008	0.013	0.017	0.023	0.028	0.033	0.036	0.038	0.039	0.038	0.036	0.034	0.029	0.023	0.016	0.008	0.000
* DEFLECTION DUE TO WEIGHT OF SLAB	0.000	0.002	0.007	0.016	0.028	0.044	0.059	0.075	0.091	0.107	0.118	0.125	0.125	0.123	0.117	0.108	0.094	0.074	0.051	0.027	0.000
DEFLECTION DUE TO WEIGHT OF RAIL	0.000	0.000	0.001	0.002	0.004	0.006	0.008	0.010	0.012	0.014	0.016	0.016	0.016	0.016	0.015	0.014	0.012	0.010	0.007	0.004	0.000
TOTAL DL DEFLECTION	0.000	0.002	0.009	0.022	0.040	0.063	0.084	0.108	0.131	0.154	0.170	0.179	0.180	0.177	0.168	0.156	0.135	0.107	0.074	0.039	0.000
VERTICAL CURVE ORDINATE	0.000	0.044	0.084	0.118	0.148	0.174	0.195	0.211	0.223	0.230	0.232	0.230	0.223	0.211	0.195	0.174	0.148	0.118	0.084	0.044	0.000
REQUIRED CAMBER	0	3/16"	1/8"	1 1/16"	2 1/4"	2 7/8"	3 3/8"	3 3/16"	4 1/4"	4 5/8"	4 3/16"	4 7/8"	4 3/16"	4 1/16"	4 3/8"	3 5/16"	3 3/8"	2 1/16"	1 7/8"	1"	0

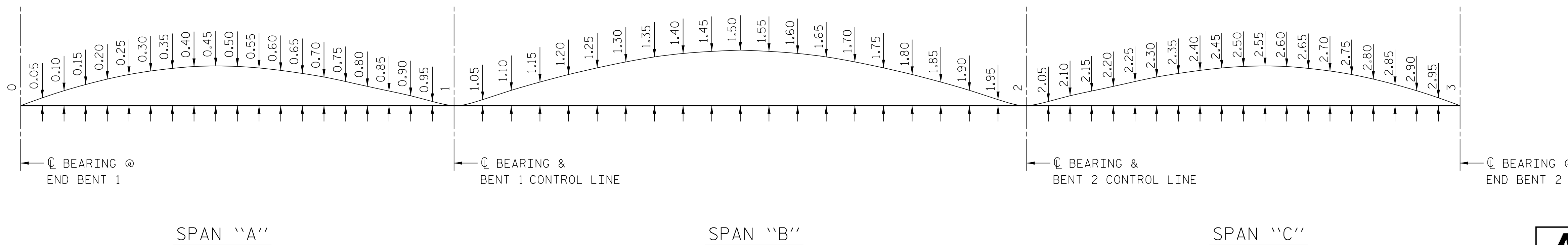
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
ORDINATES	SPAN "C"																				
	GIRDER 4																				
TWENTIETH POINTS	BRG.	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	BRG.
DEFLECTION DUE TO WEIGHT OF STEEL	0.000	0.000	0.001	0.004	0.008	0.013	0.018	0.024	0.029	0.035	0.039	0.041	0.041	0.041	0.039	0.036	0.031	0.025	0.017	0.009	0.000
* DEFLECTION DUE TO WEIGHT OF SLAB	0.000	0.002	0.007	0.017	0.030	0.047	0.063	0.080	0.098	0.115	0.127	0.134	0.136	0.134	0.127	0.117	0.102	0.080	0.056	0.029	0.000
DEFLECTION DUE TO WEIGHT OF RAIL	0.000	0.000	0.001	0.002	0.004	0.006	0.008	0.011	0.013	0.015	0.017	0.018	0.018	0.018	0.017	0.016	0.014	0.011	0.007	0.004	0.000
TOTAL DL DEFLECTION	0.000	0.002	0.009	0.023	0.042	0.066	0.089	0.115	0.140	0.165	0.183	0.193	0.195	0.193	0.183	0.169	0.147	0.116	0.080	0.042	0.000
VERTICAL CURVE ORDINATE	0.000	0.044	0.084	0.118	0.148	0.174	0.195	0.211	0.223	0.230	0.232	0.230	0.223	0.211	0.195	0.174	0.148	0.118	0.084	0.044	0.000
REQUIRED CAMBER	0	3/16"	1/8"	1 1/16"	2 5/16"	2 7/8"	3 1/16"	3 5/16"	4 3/8"	4 3/4"	5"	5 1/16"	5"	4 7/8"	4 9/16"	4 1/8"	3 3/16"	2 13/16"	1 5/16"	1 1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
ORDINATES	SPAN "C"																				
	GIRDER 5																				
TWENTIETH POINTS	BRG.	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	BRG.
DEFLECTION DUE TO WEIGHT OF STEEL	0.000	0.000	0.001	0.004	0.008	0.013	0.019	0.025	0.031	0.036	0.041	0.043	0.044	0.044	0.042	0.039	0.034	0.027	0.019	0.010	0.000
* DEFLECTION DUE TO WEIGHT OF SLAB	0.000	0.002	0.007	0.017	0.031	0.049	0.067	0.085	0.104	0.121	0.137	0.144	0.146	0.145	0.138	0.127	0.111	0.089	0.061	0.032	0.000
DEFLECTION DUE TO WEIGHT OF RAIL	0.000	0.000	0.001	0.002	0.004	0.006	0.009	0.011	0.014	0.016	0.018	0.019	0.019	0.019	0.018	0.017	0.015	0.012	0.008	0.004	0.000
TOTAL DL DEFLECTION	0.000	0.002	0.009	0.023	0.043	0.068	0.095	0.121	0.149	0.173	0.196	0.206	0.209	0.208	0.198	0.183	0.160	0.128	0.088	0.046	0.000
VERTICAL CURVE ORDINATE	0.000	0.044	0.084	0.118	0.148	0.174	0.195	0.211	0.223	0.230	0.232	0.230	0.223	0.211	0.195	0.174	0.148	0.118	0.084	0.044	0.000
REQUIRED CAMBER	0	3/16"	1/8"	1 1/16"	2 5/16"	2 7/8"	3 1/2"	4"	4 7/16"	4 13/16"	5 1/8"	5 1/4"	5 3/16"	5"	4 11/16"	4 5/16"	3 11/16"	2 15/16"	2 1/16"	1 1/16"	0

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

CAMBER NOTES:

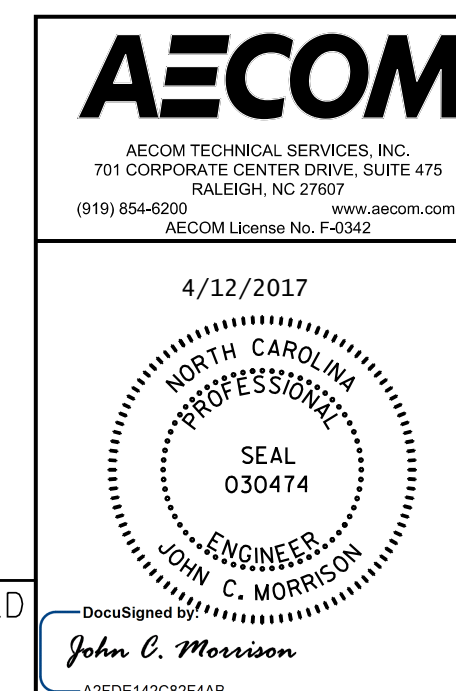
1. ALL DEFLECTIONS AND CAMBER VALUES SHOWN ARE IN INCHES (DECIMAL FORM), EXCEPT FOR "REQUIRED CAMBER" GIVEN IN INCHES (FRACTIONAL FORM).



SCHEMATIC CAMBER ORDINATES

FOR CAMBER VALUES AT 20TH POINTS, SEE TABLES.
SLOPE FOR THE ZERO CAMBER BASE LINE VARIES

PROJECT NO. R-5516
CRAVEN COUNTY
STATION: 32+25.84 -YEB01-
75+13.29 -L-
SHEET 4 OF 4



STATE OF NORTH CAROLINA		DEPARTMENT OF TRANSPORTATION			
SUPERSTRUCTURE		GIRDER DEFLECTIONS AND CAMBER SCHEDULES			
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
SHEET NO. S-27					TOTAL SHEETS 51

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DATE: 4/12/2017 TIME: 3:06:56 PM
USER: jcmorriso D:\60324\44_Sineum Road\400_Technical\408_Structure\Cada\401_35_S27_R5516_SML_DLO4.dgn

DRAWN BY : N. K. BROWN DATE : 03/16
CHECKED BY : J. C. MORRISON DATE : 03/16
DESIGN E.O.R. : J. C. MORRISON DATE : 05/16