

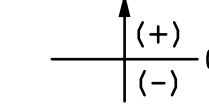
	1.00	1.01	1.02	1.03	F.S. 2	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15	1.16	F.S. 3	1.17	1.18	1.19	1.20		
GIRDER 1	DEFLECTION DUE TO WT. OF STEEL	0.000	0.003	0.004	0.002	0.000	0.000	-0.004	-0.009	-0.015	-0.020	-0.024	-0.027	-0.029	-0.030	-0.030	-0.028	-0.024	-0.020	-0.018	-0.015	-0.010	-0.005	0.000	
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	0.004	0.000	-0.010	-0.021	-0.024	-0.041	-0.058	-0.074	-0.088	-0.098	-0.104	-0.106	-0.103	-0.096	-0.085	-0.072	-0.056	-0.049	-0.040	-0.025	-0.011	0.000	
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	0.001	0.001	0.000	-0.001	-0.002	-0.003	-0.006	-0.008	-0.010	-0.012	-0.013	-0.014	-0.013	-0.012	-0.011	-0.009	-0.008	-0.008	-0.006	-0.004	-0.002	0.000	
	TOTAL DEAD LOAD DEFLECTION	0.000	0.007	0.005	-0.007	-0.022	-0.026	-0.049	-0.073	-0.097	-0.117	-0.133	-0.144	-0.149	-0.147	-0.139	-0.125	-0.107	-0.085	-0.074	-0.061	-0.039	-0.017	0.000	
	VERTICAL CURVE ORDINATE	0.000	0.024	0.045	0.064	0.076	0.080	0.094	0.105	0.114	0.120	0.124	0.125	0.124	0.121	0.114	0.106	0.094	0.080	0.073	0.064	0.045	0.023	0.000	
REQUIRED CAMBER	0"	3/16"	1/2"	7/8"	1 3/16"	1 1/4"	1 11/16"	2 1/8"	2 1/2"	2 7/8"	3 1/16"	3 1/4"	3 1/4"	3 3/16"	3 1/16"	2 3/4"	2 7/16"	2"	1 3/4"	1 1/2"	1"	1/2"	0"		
GIRDER 2	DEFLECTION DUE TO WT. OF STEEL	0.000	0.004	0.006	0.006	0.005	0.005	0.003	0.000	-0.003	-0.006	-0.010	-0.012	-0.014	-0.016	-0.016	-0.016	-0.014	-0.012	-0.012	-0.009	-0.006	-0.003	0.000	
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	0.004	0.003	-0.004	-0.015	-0.017	-0.028	-0.042	-0.054	-0.065	-0.073	-0.079	-0.080	-0.079	-0.073	-0.065	-0.055	-0.043	-0.042	-0.031	-0.019	-0.008	0.000	
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	0.001	0.001	0.001	0.001	0.001	0.000	-0.001	-0.002	-0.003	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.004	-0.004	-0.003	-0.002	-0.001	0.000	
	TOTAL DEAD LOAD DEFLECTION	0.000	0.009	0.010	0.003	-0.009	-0.011	-0.025	-0.042	-0.059	-0.074	-0.087	-0.096	-0.100	-0.100	-0.095	-0.086	-0.074	-0.059	-0.058	-0.043	-0.027	-0.012	0.000	
	VERTICAL CURVE ORDINATE	0.000	0.020	0.037	0.053	0.067	0.068	0.077	0.087	0.094	0.099	0.102	0.104	0.102	0.099	0.094	0.087	0.078	0.066	0.065	0.053	0.038	0.019	0.000	
REQUIRED CAMBER	0"	1/8"	5/16"	5/8"	1 5/16"	1 5/16"	1 1/4"	1 9/16"	1 13/16"	2 1/16"	2 1/4"	2 3/8"	2 7/16"	2 3/8"	2 1/4"	2 1/16"	1 13/16"	1 1/2"	1 1/2"	1 1/8"	3/4"	3/8"	0"		
GIRDER 3	DEFLECTION DUE TO WT. OF STEEL	0.000	0.004	0.007	0.008	0.008	0.008	0.007	0.005	0.002	0.000	-0.002	-0.004	-0.006	-0.007	-0.007	-0.007	-0.006	-0.006	-0.005	-0.003	-0.002	-0.002	0.000	
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	0.005	0.005	0.001	-0.006	-0.011	-0.015	-0.025	-0.034	-0.043	-0.049	-0.053	-0.055	-0.054	-0.051	-0.046	-0.039	-0.033	-0.030	-0.022	-0.014	-0.006	0.000	
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	0.001	0.002	0.002	0.002	0.002	0.001	0.001	0.000	-0.001	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.001	-0.001	0.000	
	TOTAL DEAD LOAD DEFLECTION	0.000	0.010	0.014	0.012	0.005	-0.002	-0.005	-0.017	-0.029	-0.040	-0.050	-0.057	-0.061	-0.062	-0.060	-0.055	-0.048	-0.042	-0.038	-0.028	-0.018	-0.008	0.000	
	VERTICAL CURVE ORDINATE	0.000	0.015	0.030	0.042	0.053	0.059	0.062	0.070	0.075	0.080	0.082	0.083	0.082	0.080	0.076	0.070	0.062	0.057	0.054	0.043	0.030	0.016	0.000	
REQUIRED CAMBER	0"	1/16"	3/16"	3/8"	9/16"	3/4"	13/16"	1 1/16"	1 1/4"	1 7/16"	1 9/16"	1 11/16"	1 11/16"	1 11/16"	1 11/16"	1 5/8"	1 1/2"	1 5/16"	1 3/16"	1 1/8"	7/8"	9/16"	5/16"	0"	
GIRDER 4	DEFLECTION DUE TO WT. OF STEEL	0.000	0.005	0.010	0.013	0.015	0.016	0.016	0.015	0.013	0.011	0.009	0.007	0.004	0.002	0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.001	0.000	
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	0.006	0.008	0.007	0.003	-0.002	-0.003	-0.008	-0.014	-0.020	-0.025	-0.028	-0.030	-0.028	-0.026	-0.022	-0.022	-0.018	-0.013	-0.008	-0.003	-0.003	0.000	
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	-0.001	-0.001	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.001	-0.001	-0.001	0.000	0.000	
	TOTAL DEAD LOAD DEFLECTION	0.000	0.012	0.019	0.021	0.019	0.015	0.013	0.008	0.001	-0.007	-0.014	-0.020	-0.024	-0.027	-0.028	-0.027	-0.024	-0.024	-0.020	-0.015	-0.010	-0.005	0.000	
	VERTICAL CURVE ORDINATE	0.000	0.013	0.023	0.033	0.041	0.049	0.050	0.055	0.059	0.063	0.064	0.065	0.065	0.062	0.060	0.054	0.049	0.048	0.042	0.033	0.024	0.012	0.000	
REQUIRED CAMBER	0"	0"	1/16"	1/8"	1/4"	7/16"	7/16"	9/16"	1 1/16"	1 3/16"	1 5/16"	1"	1 1/16"	1 1/16"	1 1/16"	1"	7/8"	7/8"	3/4"	9/16"	7/16"	3/16"	0"		
GIRDER 5	DEFLECTION DUE TO WT. OF STEEL	0.000	0.005	0.009	0.011	0.013	0.015	0.015	0.015	0.014	0.013	0.011	0.009	0.007	0.005	0.004	0.003	0.002	0.001	0.000	0.000	0.000	0.000	0.000	
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	0.006	0.010	0.012	0.012	0.011	0.009	0.009	0.006	0.003	0.000	-0.002	-0.004	-0.005	-0.006	-0.006	-0.006	-0.005	-0.004	-0.002	-0.001	-0.001	0.000	
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	0.001	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	TOTAL DEAD LOAD DEFLECTION	0.000	0.012	0.021	0.026	0.028	0.028	0.026	0.026	0.026	0.023	0.019	0.014	0.010	0.005	0.002	-0.001	-0.003	-0.003	-0.004	-0.004	-0.004	-0.003	-0.001	0.000
	VERTICAL CURVE ORDINATE	0.000	0.009	0.018	0.025	0.032	0.037	0.041	0.041	0.045	0.048	0.050	0.050	0.049	0.048	0.045	0.042	0.040	0.037	0.031	0.026	0.018	0.010	0.000	
REQUIRED CAMBER	0"	-1/16"	-1/16"	0"	1/16"	1/8"	3/16"	3/16"	1/4"	3/8"	7/16"	1/2"	1/2"	9/16"	9/16"	1/2"	1/2"	1/2"	7/16"	3/8"	1/4"	1/8"	0"		

▲ INCLUDES SLAB, BUILDUP AND STAY-IN-PLACE FORMS

* FIELD SPLICE LOCATIONS SHOWN IN SCHEMATIC DIAGRAM FOR GIRDER 1 ONLY. FIELD SPLICE LOCATIONS FOR GIRDERS 2-5 ARE NOTED IN THE TABLE.

NOTES:

- VALUES ARE SHOWN IN FEET (DECIMAL FORMAT), EXCEPT "REQUIRED CAMBER" WHICH IS GIVEN IN INCHES.
- FOR GIRDER DESIGNATIONS, SEE FRAMING PLAN AND GIRDER DETAILS SHEETS.
- DEFLECTIONS IN THE DOWNWARD DIRECTION ARE NEGATIVE. A REQUIRED CAMBER IN THE UPWARD DIRECTION IS POSITIVE. SIGN CONVENTION FOR DEAD LOAD DEFLECTION.



- SLOPE FOR THE ZERO CAMBER BASE LINE VARIES.
- FABRICATORS SHALL DETAIL CROSSFRAME MEMBERS AND CONNECTIONS FOR FULL DEAD LOAD FIT UP. GIRDERS SHOULD BE PLUMB AFTER FULL AMOUNT OF DEAD LOAD IS APPLIED.

SCHEMATIC CAMBER ORDINATES - SPAN B

PROJECT NO. R-2707C

CLEVELAND COUNTY

STATION: 596+50.98 -L-

SHEET 2 OF 4

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by:
Tony R. Laws, Jr.
CA0CE9F8B754F7...
12/13/2016

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

STEEL GIRDER CAMBERS

SPAN B

(SITE 6L)

REVISIONS				SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: 56

DRAWN BY: MBC DATE: 10-16
 CHECKED BY: PEK DATE: 10-16
 DESIGN ENGINEER OF RECORD: V. WU DATE: 10-16

12/13/2016 6:59:39 PM R:\407_053_R2707C_SMU_S6C02_57-27.dgn oveyac