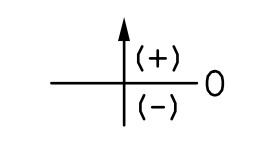


	1.00	1.01	1.02	1.03	1.04	1.05	F.S. 1	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15	1.16	1.17	1.18	1.19	1.20	
GIRDER 1	DEFLECTION DUE TO WT. OF STEEL	0.000	-0.013	-0.029	-0.046	-0.065	-0.084	-0.087	-0.102	-0.118	-0.132	-0.142	-0.149	-0.152	-0.151	-0.145	-0.135	-0.120	-0.102	-0.081	-0.056	-0.028	0.000
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	-0.031	-0.071	-0.117	-0.168	-0.219	-0.229	-0.269	-0.315	-0.355	-0.386	-0.407	-0.416	-0.414	-0.400	-0.373	-0.334	-0.285	-0.225	-0.155	-0.079	0.000
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	-0.005	-0.011	-0.018	-0.026	-0.033	-0.035	-0.040	-0.046	-0.052	-0.056	-0.058	-0.059	-0.059	-0.056	-0.052	-0.047	-0.040	-0.031	-0.022	-0.011	0.000
	TOTAL DEAD LOAD DEFLECTION	0.000	-0.049	-0.111	-0.182	-0.258	-0.336	-0.351	-0.411	-0.479	-0.538	-0.584	-0.614	-0.628	-0.624	-0.601	-0.560	-0.502	-0.427	-0.336	-0.232	-0.119	0.000
	VERTICAL CURVE ORDINATE	0.000	0.031	0.060	0.084	0.106	0.124	0.127	0.138	0.150	0.158	0.163	0.165	0.163	0.158	0.150	0.139	0.124	0.105	0.084	0.059	0.032	0.000
REQUIRED CAMBER	0"	15/16"	2 1/16"	3 3/16"	4 3/8"	5 1/2"	5 3/4"	6 9/16"	7 9/16"	8 3/8"	8 15/16"	9 3/8"	9 1/2"	9 3/8"	9"	8 3/8"	7 1/2"	6 3/8"	5 1/16"	3 1/2"	1 13/16"	0"	
GIRDER 2	DEFLECTION DUE TO WT. OF STEEL	0.000	-0.012	-0.028	-0.045	-0.064	-0.082	-0.086	-0.100	-0.117	-0.130	-0.141	-0.148	-0.151	-0.149	-0.144	-0.134	-0.120	-0.102	-0.080	-0.055	-0.028	0.000
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	-0.029	-0.066	-0.109	-0.155	-0.201	-0.210	-0.245	-0.285	-0.319	-0.346	-0.364	-0.372	-0.369	-0.356	-0.332	-0.298	-0.255	-0.201	-0.139	-0.071	0.000
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	-0.004	-0.008	-0.013	-0.019	-0.024	-0.025	-0.029	-0.034	-0.038	-0.041	-0.043	-0.043	-0.043	-0.041	-0.038	-0.034	-0.029	-0.023	-0.016	-0.008	0.000
	TOTAL DEAD LOAD DEFLECTION	0.000	-0.045	-0.102	-0.168	-0.237	-0.307	-0.322	-0.375	-0.436	-0.487	-0.528	-0.554	-0.566	-0.562	-0.541	-0.504	-0.452	-0.386	-0.304	-0.210	-0.108	0.000
	VERTICAL CURVE ORDINATE	0.000	0.032	0.059	0.084	0.105	0.123	0.126	0.138	0.149	0.158	0.162	0.164	0.163	0.157	0.149	0.137	0.123	0.105	0.083	0.059	0.030	0.000
REQUIRED CAMBER	0"	15/16"	1 5/16"	3"	4 1/8"	5 3/16"	5 3/8"	6 1/8"	7"	7 3/4"	8 5/16"	8 5/8"	8 3/4"	8 5/8"	8 1/4"	7 11/16"	6 7/8"	5 7/8"	4 5/8"	3 1/4"	1 5/8"	0"	
GIRDER 3	DEFLECTION DUE TO WT. OF STEEL	0.000	-0.012	-0.027	-0.044	-0.063	-0.081	-0.085	-0.099	-0.115	-0.129	-0.139	-0.146	-0.149	-0.148	-0.142	-0.132	-0.118	-0.101	-0.079	-0.055	-0.028	0.000
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	-0.027	-0.061	-0.101	-0.142	-0.183	-0.191	-0.221	-0.255	-0.284	-0.307	-0.321	-0.327	-0.325	-0.313	-0.292	-0.262	-0.225	-0.178	-0.124	-0.063	0.000
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	-0.004	-0.008	-0.013	-0.018	-0.024	-0.025	-0.029	-0.034	-0.037	-0.040	-0.042	-0.043	-0.043	-0.041	-0.038	-0.034	-0.029	-0.023	-0.016	-0.008	0.000
	TOTAL DEAD LOAD DEFLECTION	0.000	-0.043	-0.096	-0.158	-0.223	-0.288	-0.301	-0.349	-0.404	-0.450	-0.486	-0.510	-0.519	-0.515	-0.496	-0.462	-0.415	-0.354	-0.280	-0.194	-0.099	0.000
	VERTICAL CURVE ORDINATE	0.000	0.032	0.060	0.085	0.105	0.123	0.126	0.138	0.150	0.158	0.163	0.164	0.163	0.158	0.150	0.139	0.124	0.106	0.084	0.059	0.031	0.000
REQUIRED CAMBER	0"	7/8"	1 7/8"	2 5/16"	3 5/16"	4 5/16"	5 1/8"	5 13/16"	6 5/8"	7 5/16"	7 13/16"	8 1/16"	8 3/8"	8 1/16"	7 3/4"	7 3/16"	6 7/16"	5 1/2"	4 3/8"	3 1/16"	1 9/16"	0"	
GIRDER 4	DEFLECTION DUE TO WT. OF STEEL	0.000	-0.015	-0.033	-0.051	-0.070	-0.086	-0.089	-0.100	-0.112	-0.121	-0.128	-0.131	-0.132	-0.130	-0.124	-0.115	-0.104	-0.090	-0.071	-0.050	-0.026	0.000
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	-0.024	-0.056	-0.092	-0.130	-0.165	-0.172	-0.197	-0.225	-0.249	-0.267	-0.278	-0.283	-0.280	-0.269	-0.251	-0.226	-0.195	-0.155	-0.108	-0.055	0.000
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	-0.003	-0.006	-0.010	-0.014	-0.018	-0.018	-0.021	-0.023	-0.026	-0.027	-0.028	-0.029	-0.028	-0.027	-0.025	-0.023	-0.019	-0.015	-0.011	-0.005	0.000
	TOTAL DEAD LOAD DEFLECTION	0.000	-0.042	-0.095	-0.154	-0.213	-0.269	-0.279	-0.318	-0.360	-0.395	-0.422	-0.438	-0.443	-0.437	-0.420	-0.392	-0.353	-0.304	-0.242	-0.168	-0.086	0.000
	VERTICAL CURVE ORDINATE	0.000	0.032	0.059	0.084	0.105	0.123	0.126	0.138	0.149	0.158	0.162	0.164	0.163	0.158	0.150	0.138	0.124	0.105	0.084	0.059	0.031	0.000
REQUIRED CAMBER	0"	7/8"	1 7/8"	2 7/8"	3 13/16"	4 11/16"	4 7/8"	5 1/2"	6 1/8"	6 5/8"	7"	7 1/4"	7 1/4"	7 1/8"	6 13/16"	6 3/8"	5 11/16"	4 7/8"	3 7/8"	2 3/4"	1 3/8"	0"	
GIRDER 5	DEFLECTION DUE TO WT. OF STEEL	0.000	-0.014	-0.032	-0.050	-0.068	-0.085	-0.087	-0.098	-0.110	-0.119	-0.126	-0.130	-0.131	-0.128	-0.123	-0.114	-0.103	-0.089	-0.071	-0.049	-0.025	0.000
	DEFLECTION DUE TO WT. OF SLAB ▲	0.000	-0.022	-0.051	-0.084	-0.117	-0.147	-0.152	-0.173	-0.195	-0.214	-0.227	-0.236	-0.238	-0.235	-0.226	-0.211	-0.190	-0.165	-0.132	-0.092	-0.047	0.000
	DEFL. DUE TO WT. OF BARRIER RAIL	0.000	-0.004	-0.008	-0.013	-0.019	-0.023	-0.024	-0.028	-0.031	-0.034	-0.036	-0.038	-0.038	-0.038	-0.036	-0.033	-0.030	-0.026	-0.021	-0.014	-0.007	0.000
	TOTAL DEAD LOAD DEFLECTION	0.000	-0.040	-0.091	-0.147	-0.204	-0.255	-0.264	-0.299	-0.337	-0.367	-0.390	-0.403	-0.407	-0.401	-0.384	-0.358	-0.323	-0.280	-0.223	-0.155	-0.080	0.000
	VERTICAL CURVE ORDINATE	0.000	0.031	0.060	0.084	0.105	0.124	0.127	0.138	0.150	0.157	0.163	0.164	0.162	0.158	0.150	0.138	0.123	0.106	0.084	0.059	0.032	0.000
REQUIRED CAMBER	0"	7/8"	1 13/16"	2 3/4"	3 11/16"	4 9/16"	4 11/16"	5 1/4"	5 13/16"	6 5/16"	6 5/8"	6 13/16"	6 13/16"	6 11/16"	6 7/16"	5 15/16"	5 3/8"	4 5/8"	3 11/16"	2 9/16"	1 5/16"	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 D

PROJECT NO. R-2707C  
CLEVELAND COUNTY  
 STATION: 596+50.98 -L-  
 SHEET 4 OF 4

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by:  
**Tony R. Laws, Jr.**  
CA0CE9F8B764F...  
 12/13/2016

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SUPERSTRUCTURE**

**STEEL GIRDER CAMBERS**  
**SPAN D**

(SITE 6L)

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

TOTAL SHEETS: 56

12/13/2016 6:59:40 PM R:\407\_057\_R2707C\_SMU\_S6C04\_S7-29.dgn oveyac

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