

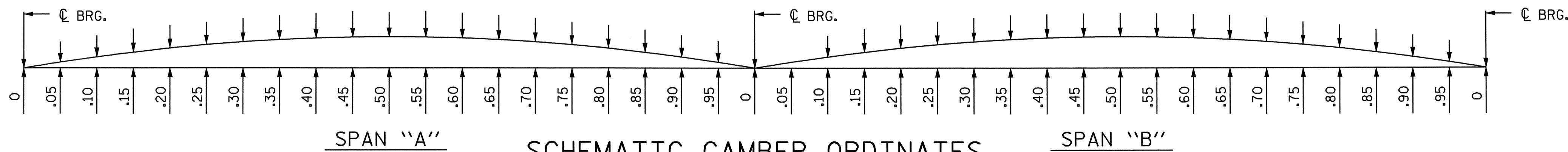
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "A"																				
	GIRDER #1																				
TWENTIETH POINTS BETWEEN $\bar{C}$ GIRDER	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.004	0.009	0.012	0.015	0.018	0.019	0.020	0.020	0.019	0.018	0.016	0.013	0.011	0.008	0.005	0.003	0.002	0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.021	0.039	0.057	0.071	0.081	0.088	0.090	0.090	0.086	0.080	0.069	0.057	0.044	0.033	0.021	0.011	0.005	0.001	0.001	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL AND SIDEWALK	0.000	0.003	0.006	0.008	0.010	0.012	0.013	0.014	0.014	0.013	0.013	0.011	0.009	0.008	0.006	0.004	0.002	0.001	0.001	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.028	0.053	0.077	0.097	0.111	0.120	0.124	0.124	0.119	0.110	0.096	0.079	0.062	0.046	0.031	0.016	0.008	0.002	0.001	0.000
VERTICAL CURVE ORDINATE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REQUIRED CAMBER	0	5/16"	5/8"	15/16"	13/16"	15/16"	17/16"	1 1/2"	1 1/2"	17/16"	15/16"	1 1/8"	15/16"	3/4"	9/16"	3/8"	3/16"	1/16"	0	0	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "B"																				
	GIRDER #1																				
TWENTIETH POINTS BETWEEN $\bar{C}$ GIRDER	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	0.002	0.006	0.010	0.015	0.021	0.026	0.032	0.037	0.040	0.043	0.044	0.045	0.044	0.041	0.037	0.031	0.025	0.018	0.009	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.010	0.024	0.043	0.064	0.087	0.111	0.136	0.157	0.173	0.185	0.193	0.196	0.193	0.181	0.163	0.139	0.111	0.079	0.042	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL AND SIDEWALK	0.000	0.002	0.004	0.007	0.010	0.013	0.016	0.020	0.023	0.025	0.026	0.027	0.027	0.027	0.025	0.022	0.019	0.015	0.011	0.006	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.014	0.034	0.060	0.089	0.120	0.154	0.188	0.216	0.238	0.254	0.264	0.268	0.263	0.247	0.223	0.189	0.151	0.107	0.057	0.000
VERTICAL CURVE ORDINATE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REQUIRED CAMBER	0	3/16"	3/8"	3/4"	1 1/16"	17/16"	1 7/8"	2 1/4"	2 9/16"	2 7/8"	3 1/16"	3 3/16"	3 1/4"	3 1/8"	2 5/16"	2 1/16"	2 1/4"	1 3/16"	1 5/16"	1 1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "A"																				
	GIRDER #2																				
TWENTIETH POINTS BETWEEN $\bar{C}$ GIRDER	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	0.005	0.009	0.012	0.015	0.018	0.019	0.020	0.020	0.019	0.018	0.016	0.014	0.011	0.008	0.006	0.003	0.001	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.021	0.039	0.056	0.070	0.081	0.088	0.090	0.090	0.087	0.081	0.071	0.060	0.046	0.035	0.024	0.014	0.005	0.001	0.001	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL AND SIDEWALK	0.000	0.003	0.006	0.008	0.010	0.012	0.013	0.014	0.014	0.013	0.013	0.011	0.010	0.008	0.006	0.004	0.003	0.001	0.001	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.028	0.053	0.076	0.095	0.110	0.120	0.124	0.123	0.119	0.111	0.099	0.083	0.065	0.049	0.034	0.019	0.008	0.002	0.001	0.000
VERTICAL CURVE ORDINATE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REQUIRED CAMBER	0	5/16"	5/8"	15/16"	1 1/8"	15/16"	1 7/16"	1 1/2"	1 1/2"	1 7/16"	1 5/16"	1 3/16"	1"	3/4"	9/16"	3/8"	1/4"	1/8"	0	0	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "B"																				
	GIRDER #2																				
TWENTIETH POINTS BETWEEN $\bar{C}$ GIRDER	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	0.002	0.006	0.010	0.015	0.020	0.025	0.031	0.035	0.039	0.041	0.042	0.043	0.042	0.040	0.036	0.030	0.024	0.017	0.009	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.009	0.023	0.041	0.061	0.082	0.106	0.131	0.151	0.166	0.178	0.185	0.187	0.185	0.174	0.157	0.134	0.106	0.075	0.040	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL AND SIDEWALK	0.000	0.001	0.003	0.006	0.009	0.012	0.016	0.019	0.022	0.024	0.025	0.026	0.026	0.026	0.024	0.022	0.018	0.014	0.010	0.005	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.012	0.031	0.056	0.084	0.114	0.146	0.180	0.207	0.229	0.244	0.253	0.256	0.252	0.238	0.214	0.183	0.144	0.102	0.054	0.000
VERTICAL CURVE ORDINATE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REQUIRED CAMBER	0	1/8"	3/8"	1 1/16"	1"	1 3/8"	1 3/4"	2 3/16"	2 1/2"	2 3/4"	2 5/16"	3 1/16"	3 1/16"	3"	2 7/8"	2 9/16"	2 3/16"	1 3/4"	1 1/4"	5/8"	0

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



SCHEMATIC CAMBER ORDINATES

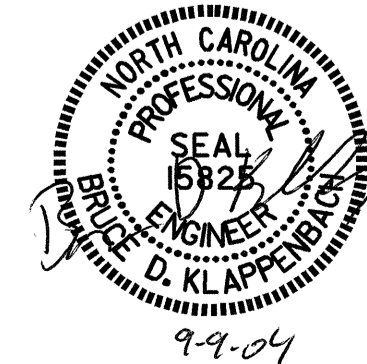
NOTE: FOR CAMBER @ 20TH POINT SEE TABLES.  
 SLOPE FOR THE ZERO CAMBER BASE LINE VARIES.

DRAWN BY : M. G. SHAIKH DATE : 6-29-04  
 CHECKED BY : G. M. PATTERSON DATE : 9-9-04

09-SEP-2004 09:11  
 W:\squad\U0620\Str2and3\mshalkh\Microstation\STR \*3\U-0620.ed.SS\_03.dgn  
 mshalkh

PROJECT NO. U-0620  
CUMBERLAND COUNTY  
 STATION: 161+95.29 -L-

SHEET 1 OF 2



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH						SHEET NO.
SUPERSTRUCTURE STRUCTURAL STEEL DETAILS DEFLECTION TABLES (RIGHT LANE)						105A
REVISIONS						TOTAL SHEETS
NO.	BY:	DATE:	NO.	BY:	DATE:	129
1			3			
2			4			

STR #3

NC006