

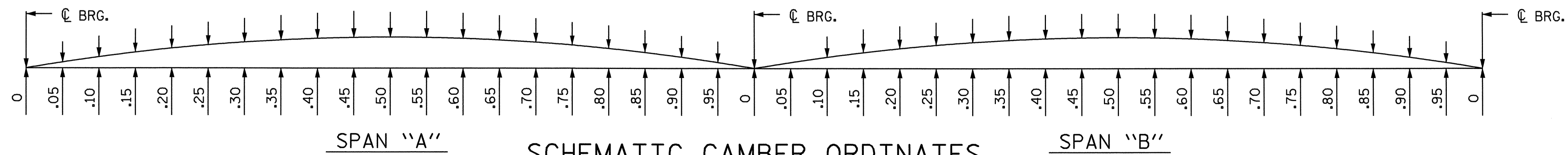
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "A"																				
	GIRDER #1																				
	TWENTIETH POINTS BETWEEN C GIRDER	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.004	0.008	0.012	0.015	0.017	0.019	0.020	0.020	0.019	0.018	0.016	0.013	0.011	0.008	0.005	0.003	0.001	0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.020	0.038	0.055	0.069	0.079	0.085	0.088	0.088	0.084	0.077	0.067	0.055	0.043	0.032	0.021	0.011	0.005	0.001	0.001	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL AND SIDEWALK	0.000	0.002	0.005	0.007	0.009	0.010	0.011	0.011	0.011	0.011	0.010	0.009	0.008	0.006	0.005	0.003	0.002	0.001	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.027	0.051	0.074	0.093	0.106	0.115	0.119	0.119	0.114	0.105	0.092	0.076	0.060	0.044	0.029	0.016	0.007	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"	7/8"	1 1/8"	1 1/4"	1 3/8"	1 7/16"	1 7/16"	1 3/8"	1 1/4"	1 1/8"	15/16"	1 1/16"	9/16"	3/8"	3/16"	1/16"	0	0	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "B"																				
	GIRDER #1																				
	TWENTIETH POINTS BETWEEN C GIRDER	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.002	0.006	0.010	0.015	0.020	0.026	0.032	0.036	0.040	0.042	0.044	0.044	0.043	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	0.063	0.085	0.109	0.133	0.154	0.170	0.181	0.189	0.192	0.189	0.177	0.160	0.136	0.109	0.077	0.041	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL AND SIDEWALK	0.000	0.001	0.003	0.005	0.008	0.011	0.014	0.016	0.019	0.020	0.022	0.022	0.023	0.022	0.021	0.018	0.016	0.012	0.009	0.005	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.013	0.033	0.058	0.086	0.116	0.148	0.181	0.208	0.230	0.245	0.255	0.259	0.254	0.238	0.215	0.183	0.146	0.103	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	3/16"	3/8"	1 1/16"	1"	1 3/8"	1 3/4"	2 3/16"	2 1/2"	2 3/4"	2 15/16"	3 1/16"	3 1/8"	3 1/16"	2 7/8"	2 9/16"	2 3/16"	1 3/4"	1 1/4"	5/8"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "A"																				
	GIRDER #2																				
	TWENTIETH POINTS BETWEEN C GIRDER	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.004	0.008	0.012	0.015	0.017	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	0.020	0.039	0.055	0.069	0.079	0.086	0.089	0.088	0.085	0.079	0.070	0.058	0.045	0.034	0.023	0.013	0.005	0.001	0.001	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL AND SIDEWALK	0.000	0.002	0.005	0.007	0.008	0.010	0.011	0.011	0.011	0.011	0.010	0.009	0.008	0.006	0.005	0.004	0.002	0.001	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.027	0.052	0.073	0.092	0.106	0.116	0.119	0.119	0.115	0.107	0.095	0.080	0.062	0.047	0.032	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"	7/8"	1 1/8"	1 1/4"	1 3/8"	1 7/16"	1 7/16"	1 3/8"	1 1/2"	1 1/8"	15/16"	3/4"	9/16"	3/8"	1/4"	1/16"	0	0	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
	SPAN "B"																				
	GIRDER #2																				
	TWENTIETH POINTS BETWEEN C GIRDER	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.002	0.005	0.010	0.014	0.019	0.025	0.030	0.035	0.038	0.041	0.042	0.042	0.042	0.039	0.035	0.030	0.024	0.017	0.009	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.009	0.022	0.040	0.060	0.081	0.104	0.129	0.149	0.164	0.175	0.182	0.184	0.182	0.172	0.155	0.133	0.104	0.074	0.039	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL AND SIDEWALK	0.000	0.001	0.003	0.005	0.007	0.010	0.013	0.016	0.018	0.020	0.021	0.021	0.021	0.021	0.020	0.018	0.015	0.012	0.008	0.004	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.012	0.031	0.055	0.082	0.111	0.142	0.175	0.201	0.222	0.237	0.245	0.248	0.245	0.231	0.208	0.178	0.140	0.099	0.052	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"	5/8"	1"	1 1/16"	1 1/16"	2 1/8"	2 7/16"	2 11/16"	2 13/16"	2 15/16"	3"	2 15/16"	2 3/4"	2 1/2"	2 1/8"	1 11/16"	1 3/16"	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

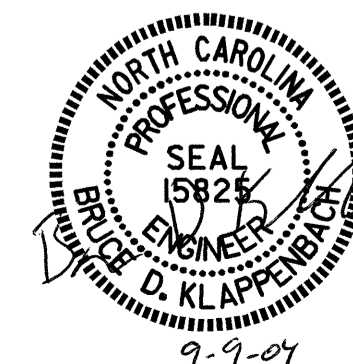
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mshalkh

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

SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
STRUCTURAL
STEEL DETAILS
DEFLECTION TABLES
(LEFT LANE)



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	64A
1			3			TOTAL SHEETS
2			4			129

STR #2

NC005