

DEAD LOAD DEFLECTION TABLE FOR INTERIOR GIRDERS 2 THRU 4																					
SPAN A																					
TWENTIETH POINTS	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	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.003	0.003	0.002	0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.001	0.003	0.005	0.006	0.008	0.010	0.012	0.014	0.015	0.017	0.018	0.019	0.020	0.020	0.019	0.018	0.015	0.012	0.007	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.001	0.003	0.007	0.008	0.010	0.012	0.014	0.018	0.020	0.022	0.024	0.025	0.027	0.027	0.026	0.024	0.020	0.016	0.009	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
ORDINATE DUE TO SUPERELEVATION	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	0	-1/16"	-1/16"	-1/8"	-1/8"	-1/8"	-3/16"	-3/16"	-1/4"	-1/4"	-5/16"	-5/16"	-5/16"	-5/16"	-5/16"	-5/16"	-1/4"	-3/16"	-1/8"	0

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

SIGN CONVENTION FOR DEAD LOAD DEFLECTION

DEAD LOAD DEFLECTION TABLE FOR INTERIOR GIRDERS 2 THRU 4																					
SPAN B																					
TWENTIETH POINTS	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	-0.008	-0.014	-0.019	-0.025	-0.030	-0.035	-0.039	-0.041	-0.041	-0.041	-0.039	-0.035	-0.030	-0.025	-0.019	-0.014	-0.008	-0.004	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.019	-0.042	-0.069	-0.098	-0.127	-0.154	-0.177	-0.194	-0.205	-0.209	-0.205	-0.194	-0.177	-0.154	-0.127	-0.098	-0.069	-0.042	-0.019	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.003	-0.006	-0.010	-0.014	-0.018	-0.022	-0.025	-0.027	-0.029	-0.029	-0.029	-0.027	-0.025	-0.022	-0.018	-0.014	-0.010	-0.006	-0.003	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.026	-0.056	-0.093	-0.131	-0.170	-0.206	-0.237	-0.260	-0.275	-0.275	-0.260	-0.237	-0.206	-0.170	-0.131	-0.093	-0.056	-0.026	0.000	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
ORDINATE DUE TO SUPERELEVATION	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"	1 1/16"	1 1/8"	1 3/16"	2 1/16"	2 1/2"	2 13/16"	3 1/8"	3 5/16"	3 3/8"	3 5/16"	3 1/8"	2 13/16"	2 1/2"	2 1/16"	1 9/16"	1 1/8"	1 1/16"	5/16"	0

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SIGN CONVENTION FOR DEAD LOAD DEFLECTION

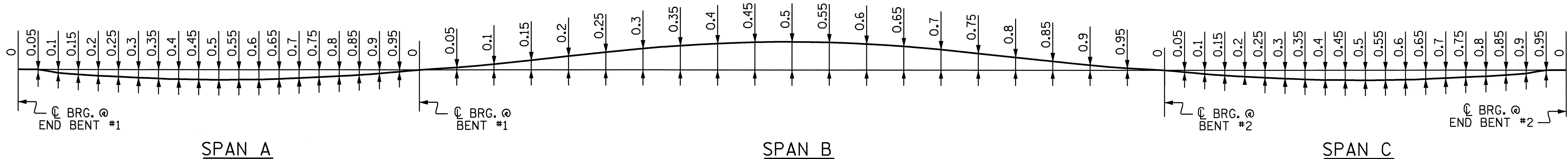
DEAD LOAD DEFLECTION TABLE FOR INTERIOR GIRDERS 2 THRU 4																					
SPAN C																					
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.001	0.002	0.003	0.003	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.007	0.012	0.015	0.018	0.019	0.020	0.020	0.019	0.018	0.017	0.015	0.014	0.012	0.010	0.008	0.006	0.005	0.003	0.001	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.009	0.016	0.020	0.024	0.026	0.027	0.027	0.025	0.024	0.022	0.020	0.018	0.016	0.012	0.010	0.008	0.007	0.003	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
ORDINATE DUE TO SUPERELEVATION	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"	-3/16"	-1/4"	-5/16"	-5/16"	-5/16"	-5/16"	-5/16"	-5/16"	-1/4"	-1/4"	-3/16"	-3/16"	-1/8"	-1/8"	-1/8"	-1/16"	0	0	0

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SIGN CONVENTION FOR DEAD LOAD DEFLECTION

PROJECT NO. R-2911D
ROWAN COUNTY
 STATION: 304+22.00-L-

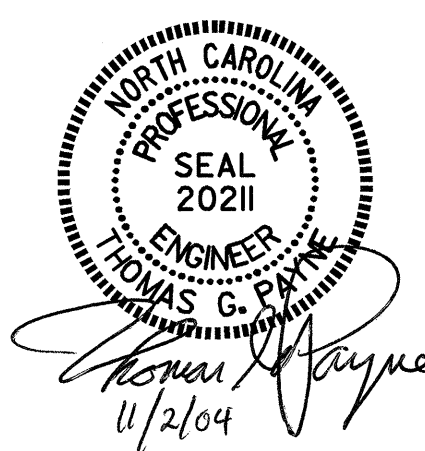
SHEET 2 OF 2



SCHEMATIC CAMBER ORDINATES

DRAWN BY: S.H. SOCKWELL DATE: 5/04
 CHECKED BY: K.D. LAYNE DATE: 6/04

02-NOV-2004 09:51
 W:\squad1\2911d\final\str-4\R-2911D_sd.DL_04.dgn
 klayne



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SUPERSTRUCTURE
 DEAD LOAD
 DEFLECTIONS**
 (RIGHT LANE)

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-103	
1			3			TOTAL	120
2			4			SHEETS	120