

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	-0.279	-0.275	-0.260	-0.237	-0.206	-0.170	-0.131	-0.093	-0.056	-0.026	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 1/16"	2 1/16"	2 1/2"	2 3/16"	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

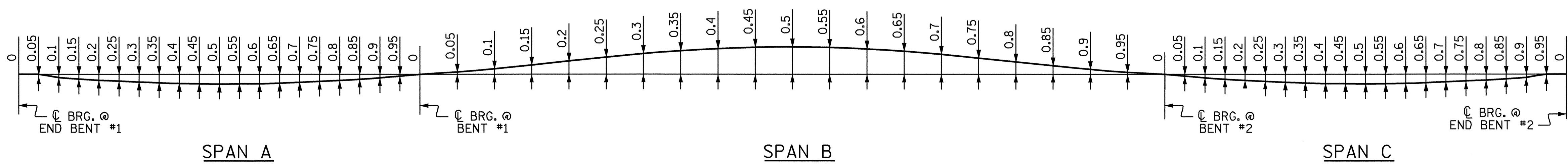
\* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.  
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SPAN C																					
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.001	0.002	0.003	0.003	0.004	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"	-1/16"	0	0

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SIGN CONVENTION FOR DEAD LOAD DEFLECTION 



SCHMATIC CAMBER ORDINATES

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

02-NOV-2004 09:48  
 W:\squad1\2911d\final\str3\2911D.ed.DL.03.dgn  
 Klayne

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

SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUPERSTRUCTURE DEAD LOAD DEFLECTIONS (LEFT LANE)					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					SHEET NO. S-70 TOTAL SHEETS 120

