

DEAD LOAD DEFLECTION TABLE FOR EXTERIOR GIRDERS 1 & 5																					
TWENTIETH POINTS	SPAN A																				
	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	0.002	0.003	0.005	0.006	0.008	0.010	0.012	0.014	0.016	0.018	0.019	0.020	0.021	0.021	0.020	0.018	0.016	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	0.002	0.002	0.001	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.002	0.003	0.007	0.008	0.010	0.012	0.016	0.018	0.021	0.023	0.025	0.026	0.028	0.027	0.024	0.021	0.016	0.009	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	0	-1/16"	-1/16"	-1/8"	-1/8"	-1/8"	-3/16"	-3/16"	-1/2"	-1/4"	-5/16"	-5/16"	-5/16"	-5/16"	-5/16"	-1/4"	-3/16"	-1/8"	0	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 $\begin{matrix} + \\ \updownarrow \\ - \end{matrix}$

DEAD LOAD DEFLECTION TABLE FOR EXTERIOR GIRDERS 1 & 5																					
TWENTIETH POINTS	SPAN B																				
	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	-0.044	-0.071	-0.101	-0.131	-0.158	-0.182	-0.200	-0.211	-0.215	-0.211	-0.200	-0.182	-0.158	-0.131	-0.101	-0.071	-0.044	-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	-0.028	-0.029	-0.030	-0.029	-0.028	-0.025	-0.022	-0.018	-0.014	-0.010	-0.006	-0.003	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.026	-0.058	-0.095	-0.134	-0.174	-0.210	-0.242	-0.267	-0.281	-0.286	-0.281	-0.267	-0.242	-0.210	-0.174	-0.134	-0.095	-0.058	-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"	1/16"	1/8"	15/8"	2/16"	2/2"	27/8"	33/16"	33/8"	37/16"	33/8"	33/16"	27/8"	2/2"	2/16"	15/8"	1/8"	1/16"	5/16"	0

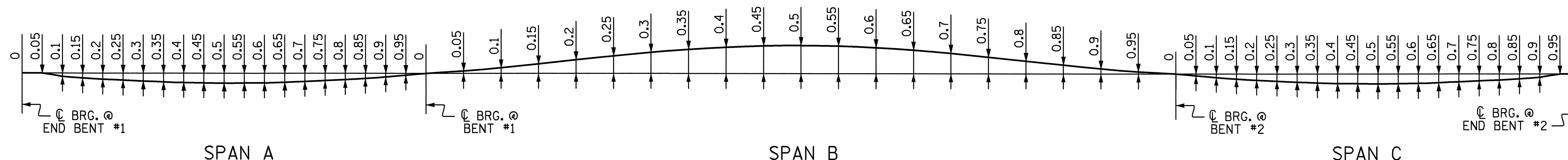
* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
 ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).

SIGN CONVENTION FOR DEAD LOAD DEFLECTION $\begin{matrix} + \\ \updownarrow \\ - \end{matrix}$

DEAD LOAD DEFLECTION TABLE FOR EXTERIOR GIRDERS 1 & 5																					
TWENTIETH POINTS	SPAN C																				
	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	0.016	0.018	0.020	0.021	0.021	0.020	0.019	0.018	0.016	0.014	0.012	0.010	0.008	0.006	0.005	0.003	0.002	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	0.021	0.024	0.027	0.028	0.028	0.026	0.025	0.023	0.021	0.018	0.016	0.012	0.010	0.008	0.007	0.003	0.002	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

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
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SCHEMATIC CAMBER ORDINATES

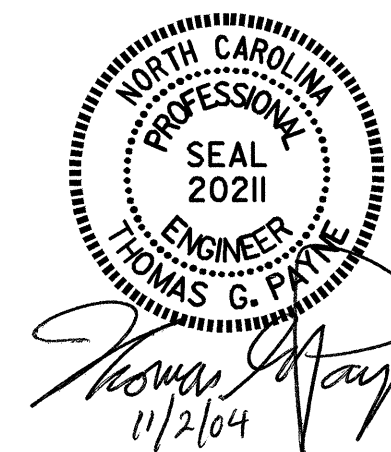
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 CHECKED BY: K.D. LAYNE DATE: 5/04

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 Klayne

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

SHEET 1 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 DEAD LOAD DEFLECTIONS
 (LEFT LANE)



REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-69	
1			3			TOTAL SHEETS	
2			4			120	