

DEAD LOAD DEFLECTION TABLE FOR EXTERIOR GIRDER																					
GIRDER 1																					
@ TWENTIETH POINTS BETWEEN C BEARINGS	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	0.022	0.042	0.062	0.079	0.094	0.107	0.117	0.124	0.129	0.130	0.129	0.124	0.117	0.107	0.094	0.079	0.062	0.042	0.022	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.080	0.158	0.230	0.294	0.350	0.398	0.436	0.463	0.480	0.486	0.480	0.463	0.436	0.398	0.350	0.294	0.230	0.158	0.080	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.005	0.010	0.015	0.019	0.022	0.025	0.028	0.030	0.031	0.031	0.031	0.030	0.028	0.025	0.022	0.019	0.015	0.010	0.005	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.107	0.210	0.307	0.392	0.466	0.530	0.581	0.617	0.640	0.647	0.640	0.617	0.581	0.530	0.466	0.392	0.307	0.210	0.107	0.000
VERTICAL CURVE ORDINATE	0.000	-0.001	-0.002	-0.003	-0.003	-0.004	-0.004	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.004	-0.004	-0.003	-0.003	-0.002	-0.002	-0.001	0.000
ORDINATE DUE TO SUPERELEVATION	0.000	-0.008	-0.015	-0.021	-0.026	-0.029	-0.032	-0.034	-0.035	-0.035	-0.034	-0.033	-0.031	-0.029	-0.026	-0.023	-0.019	-0.015	-0.010	-0.005	0.000
REQUIRED CAMBER	0	1 3/16"	2 5/16"	3 3/8"	4 3/8"	5 3/16"	5 15/16"	6 1/2"	6 15/16"	7 3/16"	7 5/16"	7 1/4"	7"	6 9/16"	6"	5 1/4"	4 7/16"	3 1/2"	2 3/8"	1 3/8"	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).

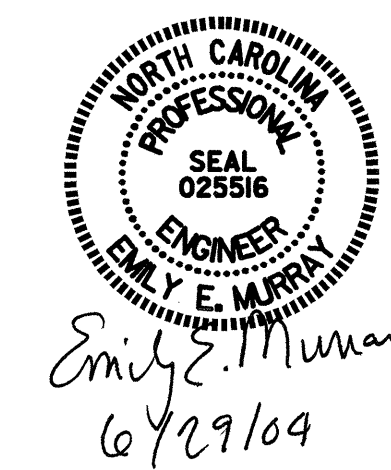
DEAD LOAD DEFLECTION TABLE FOR INTERIOR GIRDER																					
GIRDERS 2, 3, 4 AND 5																					
@ TWENTIETH POINTS BETWEEN C BEARINGS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.022	0.042	0.062	0.079	0.094	0.107	0.117	0.124	0.129	0.130	0.129	0.124	0.117	0.107	0.094	0.079	0.062	0.042	0.022	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.090	0.178	0.259	0.332	0.395	0.449	0.491	0.522	0.541	0.548	0.541	0.522	0.491	0.449	0.395	0.332	0.259	0.178	0.090	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.005	0.010	0.014	0.018	0.021	0.024	0.027	0.028	0.029	0.030	0.029	0.028	0.027	0.024	0.021	0.018	0.014	0.010	0.005	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.117	0.230	0.335	0.429	0.510	0.580	0.635	0.674	0.699	0.708	0.699	0.674	0.635	0.580	0.510	0.429	0.335	0.230	0.117	0.000
VERTICAL CURVE ORDINATE	0.000	-0.001	-0.001	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.001	-0.001	-0.001	-0.001	0.000	0.000
ORDINATE DUE TO SUPERELEVATION	0.000	-0.008	-0.015	-0.021	-0.026	-0.030	-0.033	-0.035	-0.036	-0.036	-0.036	-0.034	-0.032	-0.030	-0.027	-0.023	-0.019	-0.015	-0.010	-0.005	0.000
REQUIRED CAMBER	0	1 5/16"	2 9/16"	3 3/4"	4 13/16"	5 3/4"	6 9/16"	7 3/16"	7 5/8"	7 15/16"	8 1/16"	7 15/16"	7 1/16"	7 1/4"	6 5/8"	5 13/16"	4 15/16"	3 13/16"	2 5/8"	1 3/8"	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).

DEAD LOAD DEFLECTION TABLE FOR EXTERIOR GIRDER																					
GIRDER 6																					
@ TWENTIETH POINTS BETWEEN C BEARINGS	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	0.022	0.042	0.062	0.079	0.094	0.107	0.117	0.124	0.129	0.130	0.129	0.124	0.117	0.107	0.094	0.079	0.062	0.042	0.022	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.084	0.165	0.241	0.308	0.367	0.416	0.456	0.485	0.503	0.509	0.503	0.485	0.456	0.416	0.367	0.308	0.241	0.165	0.084	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.005	0.010	0.015	0.019	0.022	0.025	0.028	0.030	0.031	0.031	0.031	0.030	0.028	0.025	0.022	0.019	0.015	0.010	0.005	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.111	0.217	0.318	0.406	0.483	0.548	0.601	0.639	0.663	0.670	0.663	0.639	0.601	0.548	0.483	0.406	0.318	0.217	0.111	0.000
VERTICAL CURVE ORDINATE	0.000	0.000	0.000	0.000	-0.001	-0.001	-0.001	-0.001	-0.001	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	-0.008	-0.016	-0.022	-0.026	-0.030	-0.033	-0.035	-0.036	-0.036	-0.036	-0.034	-0.032	-0.030	-0.027	-0.023	-0.019	-0.015	-0.010	-0.005	0.000
REQUIRED CAMBER	0	1 1/4"	2 1/16"	3 3/16"	4 9/16"	5 1/16"	6 3/16"	6 3/4"	7 1/4"	7 1/2"	7 5/8"	7 3/16"	7 5/16"	6 7/8"	6 1/4"	5 1/2"	4 5/8"	3 5/8"	2 1/2"	1 1/4"	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).

PROJECT NO. B-3157
DAVIDSON COUNTY
STATION: 29+25.37 -L-



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH						SHEET NO. S-14	
SUPERSTRUCTURE						TOTAL SHEETS 56	
DEAD LOAD DEFLECTIONS							
LEFT LANE							
REVISIONS							
NO.	BY:	DATE:	NO.	BY:	DATE:		
1			3				
2			4				

DRAWN BY : PEGGY ADKINS DATE : 2-03
CHECKED BY : M. M. PARSONS DATE : 5-03