

DEAD LOAD DEFLECTION TABLE FOR BEAMS																						
TENTH POINTS	SPAN A, B, D & E											SPAN A, B, D & E										
	INTERIOR BEAMS 2 & 3											EXTERIOR BEAMS 1 & 4										
	CL BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	CL BRG.	CL BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	CL BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0	.011	.021	.029	.034	.036	.034	.029	.021	.011	0	0	.011	.020	.028	.033	.034	.033	.028	.020	.011	0
DEFLECTION DUE TO WEIGHT OF SLAB *	0	.063	.120	.164	.192	.202	.192	.164	.120	.063	0	0	.066	.125	.171	.200	.210	.200	.171	.125	.066	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	.006	.012	.016	.019	.020	.019	.016	.012	.006	0	0	.007	.014	.019	.022	.023	.022	.019	.014	.007	0
TOTAL DEAD LOAD DEFLECTION	0	.080	.153	.209	.245	.258	.245	.209	.153	.080	0	0	.084	.159	.218	.255	.267	.255	.218	.159	.084	0
REQUIRED CAMBER	0	15/16"	1 13/16"	2 1/2"	2 15/16"	3 1/8"	2 15/16"	2 1/2"	1 13/16"	1 5/16"	0	0	1"	1 15/16"	2 5/8"	3 1/16"	3 3/16"	3 1/16"	2 5/8"	1 15/16"	1"	0

DEAD LOAD DEFLECTION TABLE FOR BEAMS																						
TENTH POINTS	SPAN C											SPAN C										
	INTERIOR BEAMS 2 & 3											EXTERIOR BEAMS 1 & 4										
	CL BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	CL BRG.	CL BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	CL BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0	.022	.041	.056	.066	.069	.066	.056	.041	.022	0	0	.021	.040	.054	.063	.067	.063	.054	.040	.021	0
DEFLECTION DUE TO WEIGHT OF SLAB *	0	.092	.173	.237	.278	.292	.278	.237	.173	.092	0	0	.095	.180	.247	.289	.304	.289	.247	.180	.095	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	.010	.020	.027	.031	.033	.031	.027	.020	.010	0	0	.012	.023	.032	.037	.039	.037	.032	.023	.012	0
TOTAL DEAD LOAD DEFLECTION	0	.124	.234	.320	.375	.394	.375	.320	.234	.124	0	0	.128	.243	.333	.389	.410	.389	.333	.243	.128	0
REQUIRED CAMBER	0	1 1/2"	2 13/16"	3 13/16"	4 1/2"	4 3/4"	4 1/2"	3 13/16"	2 13/16"	1 1/2"	0	0	1 7/16"	2 15/16"	4"	4 1/16"	4 5/16"	4 1/16"	4"	2 15/16"	1 7/16"	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).

PROJECT NO. B-2905
ASHE COUNTY
STATION: 19+05.00 -L-



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
DEAD LOAD
DEFLECTIONS

DRAWN BY : QT NGUYEN DATE : 11-00
CHECKED BY : V.X. NGUYEN DATE : 8-01

REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: 35