

**DEAD LOAD DEFLECTION TABLE**

SPAN A																																		
0.6" LOW RELAXATION		GIRDERS 1 & 6										GIRDERS 2 & 5										GIRDERS 3 & 4												
TENTH POINTS	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.024	0.045	0.061	0.072	0.075	0.072	0.061	0.045	0.024	0	0	0.024	0.045	0.061	0.072	0.075	0.072	0.061	0.045	0.024	0	0	0.024	0.045	0.061	0.072	0.075	0.072	0.061	0.045	0.024	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.011	0.022	0.029	0.034	0.036	0.034	0.029	0.022	0.011	0	0	0.013	0.025	0.034	0.040	0.042	0.040	0.034	0.025	0.013	0	0	0.013	0.024	0.033	0.039	0.041	0.039	0.033	0.024	0.013	0
FINAL CAMBER	↑	0	1/8"	1/4"	3/8"	7/16"	1/2"	7/16"	3/8"	1/4"	1/8"	0	0	1/8"	1/4"	5/16"	3/8"	3/8"	3/8"	5/16"	1/4"	1/8"	0	0	1/8"	1/4"	5/16"	3/8"	7/16"	3/8"	5/16"	1/4"	1/8"	0

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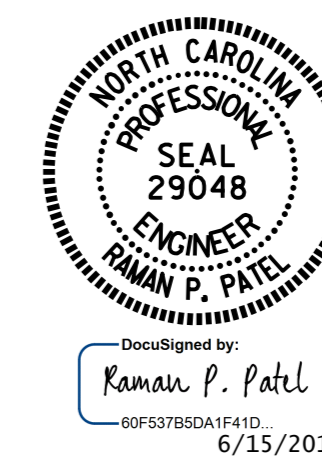
SPAN B																																		
0.6" LOW RELAXATION		GIRDERS 1 & 6										GIRDERS 2 & 5										GIRDERS 3 & 4												
TENTH POINTS	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.041	0.078	0.107	0.125	0.131	0.125	0.107	0.078	0.041	0	0	0.041	0.078	0.107	0.125	0.131	0.125	0.107	0.078	0.041	0	0	0.041	0.078	0.107	0.125	0.131	0.125	0.107	0.078	0.041	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.024	0.046	0.063	0.073	0.077	0.073	0.063	0.046	0.024	0	0	0.028	0.052	0.072	0.084	0.088	0.084	0.072	0.052	0.028	0	0	0.027	0.052	0.071	0.083	0.087	0.083	0.071	0.052	0.027	0
FINAL CAMBER	↑	0	3/16"	3/8"	9/16"	5/8"	5/8"	5/8"	9/16"	3/8"	3/16"	0	0	3/16"	5/16"	7/16"	1/2"	1/2"	1/2"	7/16"	5/16"	3/16"	0	0	3/16"	5/16"	7/16"	1/2"	9/16"	1/2"	7/16"	5/16"	3/16"	0

**DEAD LOAD DEFLECTION TABLE**

SPAN C																																		
0.6" LOW RELAXATION		GIRDERS 1 & 6										GIRDERS 2 & 5										GIRDERS 3 & 4												
TENTH POINTS	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.023	0.044	0.060	0.070	0.074	0.070	0.060	0.044	0.023	0	0	0.023	0.044	0.060	0.070	0.074	0.070	0.060	0.044	0.023	0	0	0.023	0.044	0.060	0.070	0.074	0.070	0.060	0.044	0.023	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.011	0.020	0.027	0.032	0.034	0.032	0.027	0.020	0.011	0	0	0.012	0.023	0.031	0.037	0.039	0.037	0.031	0.023	0.012	0	0	0.012	0.023	0.031	0.036	0.038	0.036	0.031	0.023	0.012	0
FINAL CAMBER	↑	0	1/8"	5/16"	3/8"	7/16"	1/2"	7/16"	3/8"	5/16"	1/8"	0	0	1/8"	1/4"	3/8"	3/8"	7/16"	3/8"	3/8"	1/4"	1/8"	0	0	1/8"	1/4"	3/8"	7/16"	7/16"	7/16"	3/8"	1/4"	1/8"	0

\* INCLUDES FUTURE WEARING SURFACE  
ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM) EXCEPT "FINAL CAMBER," WHICH IS GIVEN IN INCHES (FRACTION FORM).

PROJECT NO. B-5105  
MECKLENBURG COUNTY  
STATION: 20+08.00 -L-



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUPERSTRUCTURE  
DEAD LOAD DEFLECTION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			38

ASSEMBLED BY : R. P. PATEL	DATE : 9-13-13
CHECKED BY : J. P. MCCARTHA	DATE : 4-1-15
DRAWN BY : ELR 11/91	REV. 7/10/OIRR LES/RDR
CHECKED BY : GRP 11/91	REV. 5/1/06 TLA/GM
	REV. 10/1/11 MAA/GM
DESIGN ENGINEER OF RECORD:	
R. P. PATEL	DATE : 5-4-15