

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
SPAN A																						
0.6" Ø LOW RELAXATION	GIRDER A1 & A6																					
TENTH POINTS	℄ BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	℄ BRG.	
CAMBER ( GIRDER ALONE IN PLACE )	↑	0	0.042	0.082	0.121	0.156	0.187	0.213	0.234	0.249	0.259	0.262	0.259	0.249	0.234	0.213	0.187	0.156	0.121	0.082	0.042	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.027	0.054	0.077	0.101	0.120	0.138	0.150	0.162	0.166	0.170	0.166	0.162	0.150	0.138	0.119	0.101	0.077	0.054	0.027	0
FINAL CAMBER	↑	0	3/16"	5/16"	1/2"	11/16"	13/16"	7/8"	1"	11/16"	11/8"	11/8"	11/8"	11/16"	1"	7/8"	13/16"	11/16"	1/2"	5/16"	3/16"	0

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

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
SPAN A																						
0.6" Ø LOW RELAXATION	GIRDER A2, A3, A4, & A5																					
TENTH POINTS	℄ BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	℄ BRG.	
CAMBER ( GIRDER ALONE IN PLACE )	↑	0	0.042	0.082	0.121	0.156	0.187	0.213	0.234	0.249	0.259	0.262	0.259	0.249	0.234	0.213	0.187	0.156	0.121	0.082	0.042	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.022	0.045	0.065	0.086	0.102	0.118	0.128	0.138	0.142	0.145	0.142	0.138	0.128	0.118	0.072	0.027	0.036	0.045	0.022	0
FINAL CAMBER	↑	0	1/4"	7/16"	11/16"	13/16"	1"	11/8"	11/4"	13/16"	13/8"	13/8"	13/8"	15/16"	11/4"	11/8"	13/16"	13/16"	1"	7/16"	1/4"	0

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DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
SPAN B																						
0.6" Ø LOW RELAXATION	GIRDER B1 & B6																					
TENTH POINTS	℄ BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	℄ BRG.	
CAMBER ( GIRDER ALONE IN PLACE )	↑	0	0.053	0.105	0.154	0.199	0.239	0.273	0.300	0.320	0.332	0.336	0.332	0.320	0.300	0.273	0.239	0.199	0.154	0.105	0.053	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.033	0.065	0.095	0.126	0.149	0.173	0.188	0.203	0.209	0.214	0.209	0.205	0.190	0.176	0.152	0.129	0.099	0.070	0.035	0
FINAL CAMBER	↑	0	1/4"	1/2"	11/16"	7/8"	11/16"	13/16"	15/16"	13/8"	11/2"	11/2"	11/2"	13/8"	15/16"	13/16"	11/16"	13/16"	5/8"	7/16"	3/16"	0

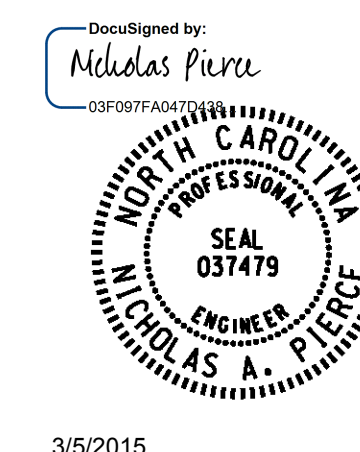
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DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
SPAN B																						
0.6" Ø LOW RELAXATION	GIRDER B2, B3, B4, & B5																					
TENTH POINTS	℄ BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	℄ BRG.	
CAMBER ( GIRDER ALONE IN PLACE )	↑	0	0.053	0.105	0.154	0.199	0.239	0.273	0.300	0.320	0.332	0.336	0.332	0.320	0.300	0.273	0.239	0.199	0.154	0.105	0.053	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.028	0.056	0.082	0.107	0.128	0.148	0.161	0.174	0.180	0.185	0.180	0.175	0.162	0.150	0.129	0.109	0.084	0.058	0.029	0
FINAL CAMBER	↑	0	5/16"	9/16"	7/8"	11/8"	15/16"	11/2"	111/16"	13/4"	113/16"	113/16"	113/16"	13/4"	15/8"	11/2"	15/16"	11/16"	7/8"	9/16"	5/16"	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-5114  
RANDOLPH COUNTY  
STATION: 19+99.61 -L-

SHEET 3 OF 4



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
STANDARD  
PRESTRESSED CONCRETE GIRDER  
CONTINUOUS FOR LIVE LOAD  
DETAILS



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S01-12
1			3			TOTAL SHEETS
2			4			36

DESIGN ENGINEER OF RECORD N.A. PIERCE	DATE 11/2014
ASSEMBLED BY : M.J. OSTRISHKO CHECKED BY : N.A. PIERCE	DATE : 06/2014 DATE : 11/2014
DRAWN BY : ELR 11/91 CHECKED BY : GRP 11/91	REV. 7/10/01RR LES/JDRR REV. 5/1/06 TLA/GM REV. 10/1/11 MAA/GM