

DEAD LOAD DEFLECTION TABLE FOR GIRDERS											
0.6" Ø LOW RELAXATION	SPAN A										
	GIRDERS A1 AND A5										
TENTH POINTS	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.029	0.054	0.075	0.087	0.092	0.087	0.075	0.054	0.029	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.012	0.024	0.034	0.040	0.042	0.040	0.034	0.024	0.012	0.000
FINAL CAMBER ↑	0.000	3/16"	3/8"	1/2"	9/16"	5/8"	9/16"	1/2"	3/8"	3/16"	0.000
GIRDERS A2, A3 AND A4											
TENTH POINTS	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.029	0.054	0.075	0.087	0.092	0.087	0.075	0.054	0.029	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.013	0.025	0.034	0.040	0.043	0.040	0.034	0.025	0.013	0.000
FINAL CAMBER ↑	0.000	3/16"	3/8"	1/2"	9/16"	9/16"	9/16"	1/2"	3/8"	3/16"	0.000

* 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																					
0.6" Ø LOW RELAXATION	SPANS B, C AND D																				
	GIRDERS B1, C1, D1, B5, C5 AND D5																				
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.040	0.079	0.116	0.149	0.179	0.205	0.225	0.240	0.249	0.252	0.249	0.240	0.225	0.205	0.179	0.149	0.116	0.079	0.040	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.025	0.050	0.074	0.098	0.116	0.135	0.147	0.159	0.163	0.167	0.163	0.159	0.147	0.135	0.116	0.098	0.074	0.050	0.025	0.000
FINAL CAMBER ↑	0.000	3/16"	3/8"	1/2"	5/8"	3/4"	13/16"	15/16"	15/16"	1"	1"	1"	15/16"	15/16"	13/16"	3/4"	5/8"	1/2"	3/8"	3/16"	0.000
GIRDERS B2, B3, B4, C2, C3, C4, D2, D3 AND D4																					
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.040	0.079	0.116	0.149	0.179	0.205	0.225	0.240	0.249	0.252	0.249	0.240	0.225	0.205	0.179	0.149	0.116	0.079	0.040	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.025	0.051	0.075	0.100	0.119	0.138	0.150	0.162	0.166	0.170	0.166	0.162	0.150	0.138	0.119	0.100	0.075	0.051	0.025	0.000
FINAL CAMBER ↑	0.000	3/16"	5/16"	1/2"	5/8"	3/4"	13/16"	7/8"	15/16"	1"	1"	1"	15/16"	7/8"	13/16"	3/4"	5/8"	1/2"	5/16"	3/16"	0.000

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ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).

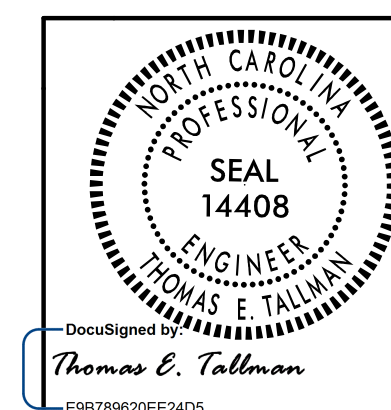
DEAD LOAD DEFLECTION TABLE FOR GIRDERS											
0.6" Ø LOW RELAXATION	SPAN E										
	GIRDERS E1 AND E5										
TENTH POINTS	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.040	0.075	0.103	0.120	0.127	0.120	0.103	0.075	0.040	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.023	0.045	0.062	0.073	0.076	0.073	0.062	0.045	0.023	0.000
FINAL CAMBER ↑	0.000	3/16"	3/8"	1/2"	9/16"	5/8"	9/16"	1/2"	3/8"	3/16"	0.000
GIRDERS E2, E3 AND E4											
TENTH POINTS	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.040	0.075	0.103	0.120	0.127	0.120	0.103	0.075	0.040	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.023	0.045	0.063	0.074	0.078	0.074	0.063	0.045	0.023	0.000
FINAL CAMBER ↑	0.000	3/16"	3/8"	1/2"	9/16"	9/16"	9/16"	1/2"	3/8"	3/16"	0.000

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PROJECT NO. W-5516
ROWAN COUNTY
STATION: 61+79.40 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
GIRDER DEAD LOAD
AND DEFLECTION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-19
1			3			TOTAL SHEETS 41
2			4			



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DRAWN BY : D. H. CARTER DATE : MAY 2015
CHECKED BY : M. T. NEIHEISEL DATE : MAY 2015
DESIGN ENGINEER OF RECORD: T. E. TALLMAN DATE : MAY 2015