

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" ∅ LOW RELAXATION	GIRDER A4, B4, C4																				
	BRG.	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.90	0.95	BRG.
CAMBER (GIRDER IN PLACE) ↑	0	0.051	0.101	0.148	0.190	0.229	0.261	0.287	0.305	0.317	0.321	0.317	0.305	0.287	0.261	0.229	0.190	0.148	0.101	0.051	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.027	0.055	0.083	0.108	0.128	0.143	0.154	0.163	0.171	0.180	0.171	0.163	0.154	0.143	0.128	0.108	0.083	0.055	0.027	0
FINAL CAMBER ↑	0	5/16"	9/16"	3/4"	1"	1 3/16"	1 7/16"	1 5/8"	1 11/16"	1 3/4"	1 3/4"	1 3/4"	1 11/16"	1 5/8"	1 7/16"	1 3/16"	1"	3/4"	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).

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" ∅ LOW RELAXATION	GIRDER A5, B5, C5																				
	BRG.	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.90	0.95	BRG.
CAMBER (GIRDER IN PLACE) ↑	0	0.051	0.101	0.148	0.190	0.229	0.261	0.287	0.305	0.317	0.321	0.317	0.305	0.287	0.261	0.229	0.190	0.148	0.101	0.051	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.023	0.046	0.068	0.089	0.107	0.119	0.128	0.135	0.142	0.149	0.142	0.135	0.128	0.119	0.107	0.089	0.068	0.046	0.023	0
FINAL CAMBER ↑	0	5/16"	11/16"	15/16"	1 3/16"	1 7/16"	1 11/16"	1 5/16"	2 1/16"	2 1/8"	2 1/8"	2 1/8"	2 1/16"	1 5/16"	1 11/16"	1 7/16"	1 3/16"	1 5/16"	1 1/16"	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).

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" ∅ LOW RELAXATION	GIRDER A6, B6, C6																				
	BRG.	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.90	0.95	BRG.
CAMBER (GIRDER IN PLACE) ↑	0	0.051	0.101	0.148	0.190	0.229	0.261	0.287	0.305	0.317	0.321	0.317	0.305	0.287	0.261	0.229	0.190	0.148	0.101	0.051	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.023	0.048	0.073	0.094	0.113	0.126	0.136	0.143	0.151	0.159	0.151	0.143	0.136	0.126	0.113	0.094	0.073	0.048	0.023	0
FINAL CAMBER ↑	0	5/16"	5/8"	7/8"	1 1/8"	1 3/8"	1 5/8"	1 13/16"	1 5/16"	2"	2"	2"	1 5/16"	1 3/16"	1 5/8"	1 3/8"	1 1/8"	7/8"	5/8"	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. R-3825B
JOHNSTON COUNTY
STATION: 64+20.00 -L-

SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
DEAD LOAD
DEFLECTIONS



7/17/2018 9:13:46 AM EDT

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Vaughn & Melton
Consulting Engineers

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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-25
1			3			TOTAL SHEETS
2			4			59

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CHECKED BY: ACO DATE: 12/2017
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