

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION	SPAN A																					
	GIRDER 10																					
	TWENTIETH POINTS	0.0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	0.0
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.051	0.102	0.149	0.192	0.231	0.263	0.289	0.308	0.319	0.323	0.319	0.308	0.289	0.263	0.231	0.192	0.149	0.102	0.051	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.035	0.049	0.072	0.095	0.113	0.131	0.142	0.154	0.158	0.161	0.158	0.154	0.142	0.131	0.113	0.095	0.072	0.049	0.035	0.000
FINAL CAMBER	↑	0	5/16"	5/8"	15/16"	13/16"	17/16"	19/16"	13/4"	17/8"	15/16"	15/16"	15/16"	17/8"	13/4"	19/16"	17/16"	13/16"	15/16"	5/8"	5/16"	0

* INCLUDES FUTURE WEARING SURFACE EXCEPT GIRDER 1.
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 A																					
	GIRDERS 11 & 14																					
	TWENTIETH POINTS	0.0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	0.0
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.051	0.102	0.149	0.192	0.231	0.263	0.289	0.308	0.319	0.323	0.319	0.308	0.289	0.263	0.231	0.192	0.149	0.102	0.051	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.029	0.058	0.085	0.112	0.134	0.155	0.169	0.183	0.187	0.192	0.187	0.183	0.169	0.155	0.134	0.112	0.085	0.058	0.029	0.000
FINAL CAMBER	↑	0	1/4"	1/2"	3/4"	15/16"	13/16"	15/16"	17/16"	11/2"	19/16"	19/16"	19/16"	11/2"	17/16"	15/16"	13/16"	15/16"	3/4"	1/2"	1/4"	0

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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 A																					
	GIRDERS 12 & 13																					
	TWENTIETH POINTS	0.0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	0.0
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.051	0.102	0.149	0.192	0.231	0.263	0.289	0.308	0.319	0.323	0.319	0.308	0.289	0.263	0.231	0.192	0.149	0.102	0.051	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.032	0.064	0.095	0.125	0.149	0.172	0.187	0.203	0.208	0.213	0.208	0.203	0.187	0.172	0.149	0.125	0.095	0.064	0.032	0.000
FINAL CAMBER	↑	0	1/4"	7/16"	5/8"	13/16"	1"	11/16"	11/4"	11/4"	15/16"	15/16"	15/16"	11/4"	11/4"	11/16"	1"	13/16"	5/8"	7/16"	1/4"	0

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

PROJECT NO. B-5121/B-5317
WAKE COUNTY
STATION: 22+06.91 -L-

SHEET 2 OF 2



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
DEAD LOAD DEFLECTIONS

DRAWN BY : I.L. AVERETTE DATE : 2-16
CHECKED BY : J.P. ADAMS DATE : 2-16
DESIGN ENGINEER OF RECORD: I.L. AVERETTE DATE : 2-16

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-17
1			3			TOTAL SHEETS
2			4			110