

DEAD LOAD DEFLECTION TABLE FOR SPAN A																					
0.6" Ø LOW RELAXATION STRANDS	GIRDER 1 AND 7																				
TWENTIETH POINTS	0.00	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	1.00
CAMBER (GIRDER ALONE IN PLACE)	↑ 0.000	0.046	0.09	0.132	0.171	0.205	0.233	0.257	0.273	0.284	0.287	0.284	0.273	0.257	0.233	0.205	0.171	0.132	0.090	0.046	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L. *	↓ 0.000	0.027	0.054	0.080	0.105	0.126	0.145	0.159	0.170	0.177	0.179	0.177	0.170	0.159	0.145	0.126	0.105	0.080	0.054	0.027	0.000
FINAL CAMBER	↑ 0	1/4	7/16	5/8	13/16	15/16	1 1/16	1 3/16	1 1/4	1 1/4	1 5/16	1 1/4	1 1/4	1 3/16	1 1/16	1 5/16	1 3/16	5/8	7/16	1/4	0

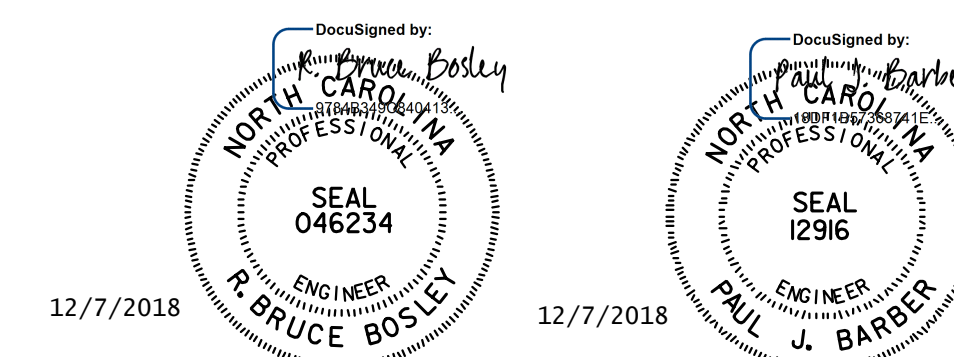
DEAD LOAD DEFLECTION TABLE FOR SPAN A																					
0.6" Ø LOW RELAXATION STRANDS	GIRDER 2 AND 6																				
TWENTIETH POINTS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
CAMBER (GIRDER ALONE IN PLACE)	↑ 0.000	0.046	0.090	0.132	0.171	0.205	0.233	0.257	0.273	0.284	0.287	0.284	0.273	0.257	0.233	0.205	0.171	0.132	0.090	0.046	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L. *	↓ 0.000	0.027	0.054	0.080	0.105	0.126	0.145	0.160	0.171	0.178	0.180	0.178	0.171	0.160	0.145	0.126	0.105	0.080	0.054	0.027	0.000
FINAL CAMBER	↑ 0	1/4	7/16	5/8	13/16	15/16	1 1/16	1 3/16	1 1/4	1 1/4	1 5/16	1 1/4	1 1/4	1 3/16	1 1/16	1 5/16	1 3/16	5/8	7/16	1/4	0

DEAD LOAD DEFLECTION TABLE FOR SPAN A																					
0.6" Ø LOW RELAXATION STRANDS	GIRDER 3 AND 5																				
TWENTIETH POINTS	0.00	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	1.00
CAMBER (GIRDER ALONE IN PLACE)	↑ 0.000	0.047	0.090	0.132	0.171	0.205	0.233	0.257	0.273	0.284	0.287	0.284	0.273	0.257	0.233	0.205	0.171	0.132	0.090	0.046	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L. *	↓ 0.000	0.027	0.053	0.079	0.104	0.125	0.143	0.158	0.168	0.175	0.177	0.175	0.168	0.158	0.143	0.125	0.104	0.079	0.053	0.027	0.000
FINAL CAMBER	↑ 0	1/4	7/16	5/8	13/16	15/16	1 1/16	1 3/16	1 1/4	1 5/16	1 5/16	1 1/4	1 3/16	1 1/16	1 5/16	1 3/16	5/8	7/16	1/4	0	

DEAD LOAD DEFLECTION TABLE FOR SPAN A																					
0.6" Ø LOW RELAXATION STRANDS	GIRDER 4																				
TWENTIETH POINTS	0.00	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	1.00
CAMBER (GIRDER ALONE IN PLACE)	↑ 0.000	0.046	0.090	0.132	0.171	0.205	0.233	0.257	0.273	0.284	0.287	0.284	0.273	0.257	0.233	0.205	0.171	0.132	0.090	0.046	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L. *	↓ 0.000	0.028	0.055	0.082	0.107	0.129	0.148	0.163	0.174	0.181	0.183	0.181	0.174	0.163	0.148	0.129	0.107	0.082	0.055	0.028	0.000
FINAL CAMBER	↑ 0	3/16	7/16	5/8	3/4	15/16	1	1 1/8	1 3/16	1 1/4	1 1/4	1 1/4	1 3/16	1 1/8	1	1 5/16	3/4	5/8	7/16	3/16	0

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

PROJECT NO. R-5021
 BRUNSWICK COUNTY
 STATION: 39+52.37 -Y14A-



DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 GIRDER
 DEAD LOAD DEFLECTIONS
 AND CAMBER

HNTB		HNTB NORTH CAROLINA, P.C. NC License No. C-1554 343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609	
DRAWN BY	L. WATERS	DATE	7/18
CHECKED BY	A. GOFF	DATE	7/18
DESIGN ENGINEER OF RECORD	B. BOSLEY	DATE	12/18
			DWG. NO. 13

REVISIONS					SHEET NO.
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

TOTAL SHEETS	24
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