

DEAD LOAD DEFLECTION TABLE FOR SPANS A & C																						
0.6" Ø LOW RELAXATION STRANDS		GIRDER 1																				
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	0.066	0.123	0.174	0.218	0.255	0.286	0.307	0.323	0.334	0.336	0.334	0.323	0.307	0.286	0.255	0.218	0.174	0.123	0.066	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L.	* ↓	0.000	0.025	0.049	0.073	0.095	0.114	0.131	0.144	0.154	0.160	0.162	0.160	0.154	0.145	0.132	0.115	0.096	0.074	0.050	0.025	0.000
FINAL CAMBER	↑	0	1/2	7/8	1 1/4	1 1/2	1 11/16	1 7/8	1 5/16	2 1/16	2 1/16	2 1/16	2 1/16	2	1 5/16	1 7/8	1 11/16	1 7/16	1 3/16	7/8	1/2	0

DEAD LOAD DEFLECTION TABLE FOR SPANS A & C																						
0.6" Ø LOW RELAXATION STRANDS		GIRDER 2 & 3																				
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	0.066	0.123	0.174	0.218	0.255	0.286	0.307	0.323	0.334	0.336	0.334	0.323	0.307	0.286	0.255	0.218	0.174	0.123	0.066	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L.	* ↓	0.000	0.024	0.048	0.072	0.094	0.113	0.130	0.143	0.153	0.159	0.161	0.159	0.153	0.144	0.131	0.114	0.095	0.073	0.050	0.025	0.000
FINAL CAMBER	↑	0	1/2	7/8	1 1/4	1 1/2	1 11/16	1 7/8	2	2 1/16	2 1/8	2 1/8	2 1/16	2 1/16	1 5/16	1 7/8	1 11/16	1 1/2	1 3/16	7/8	1/2	0

DEAD LOAD DEFLECTION TABLE FOR SPANS A & C																						
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	0.066	0.123	0.174	0.218	0.255	0.286	0.307	0.323	0.334	0.336	0.334	0.323	0.307	0.286	0.255	0.218	0.174	0.123	0.066	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L.	* ↓	0.000	0.025	0.049	0.074	0.096	0.116	0.133	0.147	0.157	0.163	0.165	0.163	0.157	0.148	0.134	0.117	0.098	0.075	0.051	0.026	0.000
FINAL CAMBER	↑	0	1/2	7/8	1 3/16	1 1/16	1 11/16	1 13/16	1 5/16	2	2 1/16	2 1/16	2 1/16	2	1 5/16	1 3/16	1 5/8	1 1/16	1 3/16	7/8	1/2	0

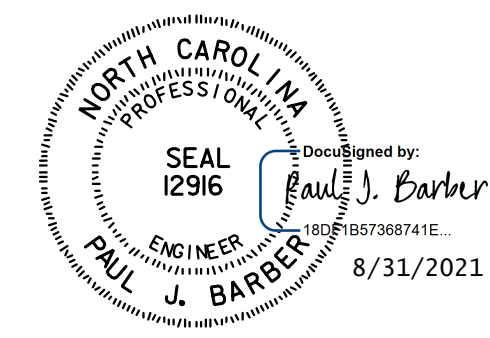
DEAD LOAD DEFLECTION TABLE FOR SPAN B																						
0.6" Ø LOW RELAXATION STRANDS		GIRDER 1																				
TWENTIETH POINTS		0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.066	0.123	0.175	0.218	0.255	0.286	0.308	0.324	0.334	0.336	0.334	0.324	0.308	0.286	0.255	0.218	0.175	0.123	0.066	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L.	* ↓	0.000	0.024	0.048	0.072	0.094	0.113	0.130	0.143	0.153	0.159	0.161	0.159	0.154	0.144	0.131	0.114	0.095	0.073	0.049	0.025	0.000
FINAL CAMBER	↑	0	1/2	7/8	1 1/4	1 1/2	1 11/16	1 7/8	2	2 1/16	2 1/16	2 1/8	2 1/16	2 1/16	1 5/16	1 7/8	1 11/16	1 1/2	1 1/4	7/8	1/2	0

DEAD LOAD DEFLECTION TABLE FOR SPAN B																						
0.6" Ø LOW RELAXATION STRANDS		GIRDER 2 & 3																				
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	0.066	0.123	0.175	0.218	0.255	0.286	0.308	0.324	0.334	0.336	0.334	0.324	0.308	0.286	0.255	0.218	0.175	0.123	0.066	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L.	* ↓	0.000	0.024	0.048	0.072	0.094	0.113	0.129	0.142	0.152	0.158	0.160	0.158	0.152	0.143	0.130	0.113	0.094	0.072	0.049	0.024	0.000
FINAL CAMBER	↑	0	1/2	7/8	1 1/4	1 1/2	1 11/16	1 7/8	2	2 1/16	2 1/8	2 1/8	2 1/8	2 1/16	2	1 7/8	1 11/16	1 1/2	1 1/4	7/8	1/2	0

DEAD LOAD DEFLECTION TABLE FOR SPAN B																						
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	0.066	0.123	0.175	0.218	0.255	0.286	0.308	0.324	0.334	0.336	0.334	0.324	0.308	0.286	0.255	0.218	0.175	0.123	0.066	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L.	* ↓	0.000	0.025	0.049	0.073	0.096	0.115	0.133	0.146	0.156	0.162	0.164	0.162	0.156	0.147	0.133	0.116	0.097	0.074	0.050	0.025	0.000
FINAL CAMBER	↑	0	1/2	7/8	1 3/16	1 1/16	1 11/16	1 13/16	1 5/16	2	2 1/16	2 1/16	2 1/16	2	1 5/16	1 3/16	1 11/16	1 7/16	1 3/16	7/8	1/2	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: POC 390+15.00 -L-



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

HNTB		HNTB NORTH CAROLINA, P.C. NC License No. C-1554 343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609	
DRAWN BY: A. SMITH	DATE: 5/17	DWG. NO. 18	SHEET NO. S5-18
CHECKED BY: B. NEUPANE	DATE: 9/17		
DESIGN ENGINEER OF RECORD: J. GREGG	DATE: 8/18		

REVISIONS						TOTAL SHEETS
NO.	BY	DATE	NO.	BY	DATE	
1			3			39
2			4			