

DEAD LOAD DEFLECTION TABLE FOR SPAN A																					
GIRDER 1																					
TWENTIETH POINTS	0.00	.05	0.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00
CAMBER (GIRDER ALONE IN PLACE)	↑ 0.000	0.039	0.078	0.114	0.147	0.176	0.201	0.221	0.236	0.244	0.247	0.244	0.236	0.221	0.201	0.176	0.147	0.144	0.078	0.039	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓ 0.000	0.016	0.032	0.047	0.061	0.073	0.084	0.092	0.098	0.102	0.103	0.102	0.098	0.092	0.201	0.073	0.061	0.047	0.032	0.016	0.000
FINAL CAMBER	↑ 0.000	1/4"	3/16"	1/2"	5/16"	1/4"	3/16"	1/2"	5/8"	1 1/16"	3/4"	1 1/16"	5/8"	1 1/16"	1/4"	1 1/16"	1 3/16"	9/16"	1/4"	0.000	

DEAD LOAD DEFLECTION TABLE FOR SPAN A																					
GIRDER 2 AND 3																					
TWENTIETH POINTS	0.00	.05	0.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00
CAMBER (GIRDER ALONE IN PLACE)	↑ 0.000	0.039	0.078	0.114	0.147	0.176	0.201	0.221	0.236	0.244	0.247	0.244	0.236	0.221	0.201	0.176	0.147	0.144	0.078	0.039	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓ 0.000	0.019	0.037	0.055	0.071	0.085	0.097	0.107	0.114	0.119	0.120	0.119	0.114	0.107	0.097	0.085	0.071	0.055	0.037	0.019	0.000
FINAL CAMBER	↑ 0.000	1/4"	1/2"	1 1/16"	1 5/16"	1 1/8"	1 1/4"	1 3/8"	1 7/16"	1 1/2"	1 1/2"	1 1/2"	1 7/16"	1 3/8"	1 1/4"	1 1/8"	1 5/16"	1 1/16"	1 1/2"	1/4"	0.000

DEAD LOAD DEFLECTION TABLE FOR SPAN A																					
GIRDER 4																					
TWENTIETH POINTS	0.00	.05	0.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00
CAMBER (GIRDER ALONE IN PLACE)	↑ 0.000	0.039	0.078	0.114	0.147	0.176	0.201	0.221	0.236	0.244	0.247	0.244	0.236	0.221	0.201	0.176	0.147	0.114	0.078	0.039	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓ 0.000	0.019	0.038	0.056	0.072	0.087	0.100	0.110	0.117	0.121	0.123	0.121	0.117	0.110	0.100	0.087	0.072	0.056	0.038	0.019	0.000
FINAL CAMBER	↑ 0.000	1/4"	1/2"	1 1/16"	7/8"	1 1/16"	1 1/4"	1 5/16"	1 7/16"	1 1/2"	1 1/2"	1 1/2"	1 7/16"	1 5/16"	1 1/4"	1 1/16"	7/8"	1 1/16"	1 1/2"	1/4"	0.000

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GIRDER 1																					
TWENTIETH POINTS	0.00	.05	0.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00
CAMBER (GIRDER ALONE IN PLACE)	↑ 0.000	0.038	0.075	0.110	0.142	0.171	0.195	0.214	0.228	0.237	0.240	0.237	0.228	0.214	0.195	0.171	0.142	0.110	0.075	0.038	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓ 0.000	0.014	0.027	0.040	0.053	0.064	0.073	0.080	0.086	0.089	0.090	0.089	0.086	0.080	0.073	0.064	0.053	0.040	0.027	0.014	0.000
FINAL CAMBER	↑ 0.000	5/16"	9/16"	1 3/16"	1 1/16"	1 5/16"	1 7/16"	1 5/8"	1 11/16"	1 3/4"	1 13/16"	1 3/4"	1 11/16"	1 5/8"	1 7/16"	1 5/16"	1 1/16"	1 3/16"	9/16"	5/16"	0.000

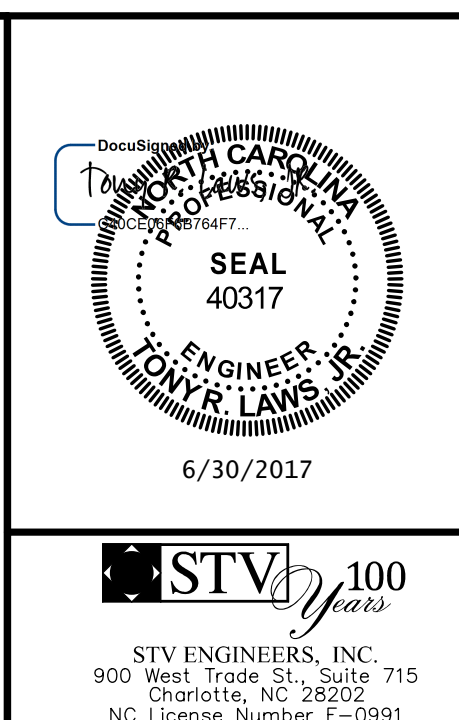
DEAD LOAD DEFLECTION TABLE FOR SPAN B																					
GIRDER 2 AND 3																					
TWENTIETH POINTS	0.00	.05	0.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00
CAMBER (GIRDER ALONE IN PLACE)	↑ 0.000	0.038	0.075	0.110	0.142	0.171	0.195	0.214	0.228	0.237	0.240	0.237	0.228	0.214	0.195	0.171	0.142	0.110	0.075	0.038	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓ 0.000	0.016	0.031	0.047	0.061	0.074	0.085	0.093	0.099	0.103	0.105	0.103	0.099	0.093	0.085	0.074	0.061	0.047	0.031	0.016	0.000
FINAL CAMBER	↑ 0.000	1/4"	1/2"	3/4"	1"	1 3/16"	1 5/16"	1 7/16"	1 9/16"	1 5/8"	1 5/8"	1 5/8"	1 9/16"	1 7/16"	1 5/16"	1 3/16"	1"	3/4"	1/2"	1/4"	0.000

DEAD LOAD DEFLECTION TABLE FOR SPAN B																					
GIRDER 4																					
TWENTIETH POINTS	0.00	.05	0.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00
CAMBER (GIRDER ALONE IN PLACE)	↑ 0.000	0.038	0.075	0.110	0.142	0.171	0.195	0.214	0.228	0.237	0.240	0.237	0.228	0.214	0.195	0.171	0.142	0.110	0.075	0.038	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓ 0.000	0.016	0.032	0.047	0.062	0.075	0.086	0.095	0.101	0.105	0.106	0.105	0.101	0.095	0.086	0.075	0.062	0.047	0.032	0.016	0.000
FINAL CAMBER	↑ 0.000	1/4"	1/2"	3/4"	1 5/16"	1 1/8"	1 5/16"	1 7/16"	1 1/2"	1 9/16"	1 5/8"	1 9/16"	1 1/2"	1 7/16"	1 5/16"	1 1/8"	1 5/16"	3/4"	1/2"	1/4"	0.000

PROJECT NO. U-4751  
NEW HANOVER COUNTY  
 STATION: 35+12.05 -Y8RPDB-

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SUPERSTRUCTURE**

**DEAD LOAD DEFLECTIONS**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S4-18
1			3			TOTAL SHEETS
2			4			36

STV ENGINEERS, INC.  
 900 West Trade St., Suite 715  
 Charlotte, NC 28202  
 NC License Number F-5991

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DRAWN BY : MBC DATE : 3-17  
 CHECKED BY : TRL DATE : 4-17  
 DESIGN ENGINEER OF RECORD: T. LAWS DATE : 5-17