

DEAD LOAD DEFLECTION TABLE FOR GIRDERS - SPANS A & B																						
0.6" Ø LOW RELAXATION		GIRDERS 1 & 4																				
FORTIETH POINTS		0	.025	.05	.075	.1	.125	.15	.175	.2	.225	.25	.275	.3	.325	.35	.375	.4	.425	.45	.475	.50
CAMBER (GIRDER ALONE IN PLACE) ↑		0.0	0.021	0.041	0.061	0.081	0.100	0.118	0.136	0.152	0.168	0.183	0.197	0.209	0.220	0.230	0.238	0.245	0.250	0.254	0.256	0.257
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0.0	0.010	0.020	0.030	0.040	0.050	0.059	0.069	0.078	0.086	0.093	0.101	0.108	0.113	0.118	0.123	0.128	0.129	0.131	0.132	0.134
FINAL CAMBER ↑		0.0	1/8"	1/4"	3/8"	1/2"	5/8"	11/16"	13/16"	7/8"	1"	11/16"	13/16"	15/16"	13/8"	13/16"	17/16"	17/16"	17/16"	17/16"	17/16"	17/16"

DEAD LOAD DEFLECTION TABLE FOR GIRDERS - SPAN C																						
0.6" Ø LOW RELAXATION		GIRDERS 1 & 4																				
FORTIETH POINTS		0	.025	.05	.075	.1	.125	.15	.175	.2	.225	.25	.275	.3	.325	.35	.375	.4	.425	.45	.475	.50
CAMBER (GIRDER ALONE IN PLACE) ↑		0.0	0.021	0.043	0.063	0.084	0.104	0.123	0.141	0.158	0.175	0.191	0.205	0.217	0.229	0.239	0.248	0.255	0.260	0.264	0.267	0.267
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0.0	0.013	0.025	0.038	0.050	0.062	0.074	0.086	0.098	0.108	0.117	0.127	0.136	0.142	0.148	0.154	0.160	0.162	0.164	0.166	0.169
FINAL CAMBER ↑		0.0	1/8"	3/16"	5/16"	3/8"	1/2"	9/16"	5/8"	11/16"	13/16"	7/8"	15/16"	1"	11/16"	11/16"	11/16"	11/16"	11/16"	11/16"	11/16"	11/16"

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

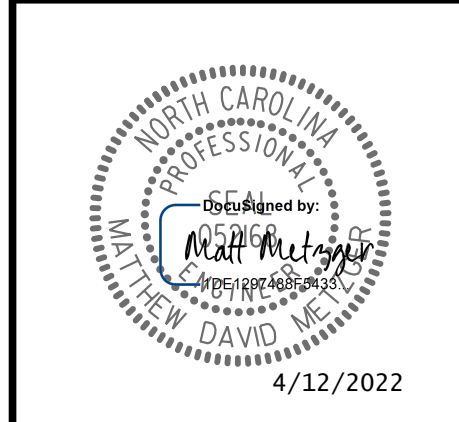
PROJECT NO. R-5819
COLUMBUS COUNTY
 STATION: 40+06.72 -Y2- POT

SHEET 5 OF 6

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 PRESTRESSED CONCRETE GIRDER
 DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			38
2			4			

PLANS PREPARED BY:
NV5
 NV5 ENGINEERS & CONSULTANTS, INC.
 3300 REGENCY PARKWAY, SUITE 100
 CARY, NC 27518
 P: 919.851.1912 www.NV5.com
 NC License # F-1333
 Formerly CAVI Engineers & Consultants



**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

DRAWN BY : W. B. ALLEN DATE : 6/21
 CHECKED BY : M. D. METZGER DATE : 8/21
 DESIGN ENGINEER OF RECORD: M. D. METZGER DATE : 1/22

4/12/2022 10:25:52 AM G:\Projects\2016\20160321\CLIENT\Structures\R-5819 -Y2-YR5819.SML 05.230422.dgn