

3/18/2022 11:06:30 AM G:\Projects\2020\Division 6 (Mott) Mac - NV5\I-5987B\Structures\Site 9 (L over Little Marsh Swamp)\Drawings\Final\I5987B_SMU_DL_770164.dgn

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN B - STAGE III																																										
0.6" Ø LOW RELAXATION																																										
GIRDERS BG1-BG7																																										
FORTIETH POINTS																																										
CAMBER (GIRDER ALONE IN PLACE)	↑	0	.025	.050	.075	.100	.125	.150	.175	.200	.225	.250	.275	.300	.325	.350	.375	.400	.425	.450	.475	.500	.525	.550	.575	.600	.625	.650	.675	.700	.725	.750	.775	.800	.825	.850	.875	.900	.925	.950	.975	1.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.015	0.036	0.056	0.075	0.094	0.113	0.131	0.147	0.163	0.178	0.192	0.204	0.215	0.225	0.233	0.240	0.246	0.250	0.252	0.253	0.252	0.250	0.246	0.240	0.233	0.225	0.215	0.204	0.192	0.178	0.163	0.147	0.131	0.113	0.094	0.075	0.056	0.035	0.015	0
FINAL CAMBER	↑	0	1/8"	1/8"	3/16"	3/16"	1/4"	1/4"	5/16"	5/16"	3/8"	3/8"	7/16"	7/16"	7/16"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	9/16"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	7/16"	7/16"	7/16"	3/8"	3/8"	5/16"	5/16"	1/4"	1/4"	3/16"	3/16"	1/8"	1/8"	0

SPAN B - STAGE II																																												
0.6" Ø LOW RELAXATION																																												
GIRDERS BG8-BG11																																												
FORTIETH POINTS																																												
CAMBER (GIRDER ALONE IN PLACE)	↑	0	.024	0.048	0.071	0.093	0.115	0.136	0.157	0.176	0.194	0.211	0.227	0.241	0.254	0.265	0.275	0.283	0.289	0.294	0.296	0.297	0.296	0.294	0.289	0.283	0.275	0.265	0.254	0.241	0.227	0.211	0.194	0.176	0.157	0.136	0.115	0.093	0.071	0.048	0.024	0		
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.014	0.032	0.050	0.068	0.086	0.102	0.118	0.134	0.148	0.162	0.174	0.185	0.195	0.204	0.212	0.218	0.223	0.227	0.229	0.229	0.229	0.227	0.223	0.218	0.212	0.204	0.195	0.185	0.174	0.162	0.148	0.134	0.119	0.102	0.086	0.068	0.050	0.032	0.014	0		
FINAL CAMBER	↑	0	1/8"	3/16"	1/4"	5/16"	3/8"	3/8"	7/16"	1/2"	9/16"	5/8"	5/8"	11/16"	11/16"	3/4"	3/4"	3/4"	13/16"	13/16"	13/16"	13/16"	13/16"	13/16"	13/16"	3/4"	3/4"	3/4"	11/16"	11/16"	5/8"	5/8"	9/16"	1/2"	7/16"	3/8"	3/8"	5/16"	5/16"	1/4"	1/4"	3/16"	1/8"	0

SPAN B - STAGE I																																										
0.6" Ø LOW RELAXATION																																										
GIRDERS BG12-BG15																																										
FORTIETH POINTS																																										
CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.024	0.048	0.071	0.093	0.115	0.136	0.157	0.176	0.194	0.211	0.227	0.241	0.254	0.265	0.275	0.283	0.289	0.294	0.296	0.297	0.296	0.294	0.289	0.283	0.275	0.265	0.254	0.241	0.227	0.211	0.194	0.176	0.157	0.136	0.115	0.093	0.071	0.048	0.024	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.015	0.035	0.055	0.075	0.094	0.112	0.129	0.146	0.162	0.177	0.190	0.202	0.213	0.223	0.231	0.238	0.243	0.247	0.250	0.250	0.250	0.247	0.243	0.238	0.231	0.223	0.213	0.202	0.190	0.177	0.162	0.146	0.129	0.112	0.094	0.075	0.055	0.035	0.015	0
FINAL CAMBER	↑	0	1/8"	1/8"	3/16"	1/4"	1/4"	5/16"	5/16"	3/8"	3/8"	7/16"	7/16"	7/16"	1/2"	1/2"	1/2"	9/16"	9/16"	9/16"	9/16"	9/16"	9/16"	9/16"	9/16"	9/16"	1/2"	1/2"	1/2"	7/16"	7/16"	7/16"	3/8"	3/8"	5/16"	5/16"	1/4"	1/4"	3/16"	1/8"	1/8"	0

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

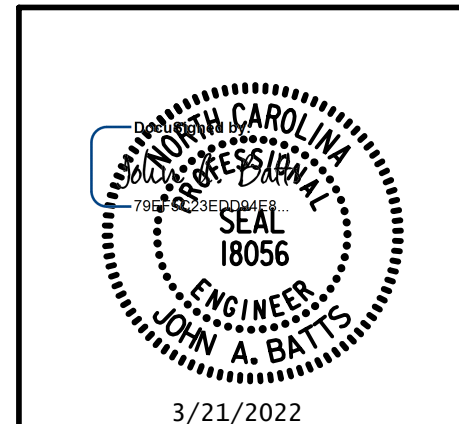
PROJECT NO. I-5987B
ROBESON COUNTY
 STATION: 803+15.00 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE

GIRDER DEFLECTION
 AND CAMBER TABLES

SPAN B



DRAWN BY: S.D. COOPER DATE: 3-22
 CHECKED BY: J.A. BATTS DATE: 3-22
 DESIGN ENGINEER OF RECORD: J.A. BATTS DATE: 3-22

LICENSURE NO. C-4434						DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED							
NO.		BY:		DATE:		NO.		BY:		DATE:		SHEET NO.	
1						3						S9-32	
2						4						TOTAL SHEETS 69	