

DEAD LOAD DEFLECTION TABLE - SPAN A

0.6 Ø LOW RELAXATION		CL BRG.	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	CL BRG.	
TWENTIETH POINTS																							
	GIRDER																						
CAMBER (GIRDER ALONE IN PLACE) ↑	A1, A4	0	0.010	0.021	0.028	0.036	0.041	0.046	0.048	0.051	0.052	0.053	0.052	0.051	0.048	0.046	0.041	0.036	0.028	0.021	0.010	0	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.005	0.009	0.014	0.018	0.022	0.025	0.027	0.030	0.030	0.031	0.030	0.030	0.027	0.025	0.022	0.018	0.014	0.009	0.005	0	
FINAL CAMBER ↑		0	1/16"	1/8"	3/16"	3/16"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/16"	3/16"	1/8"	1/16"	0	
CAMBER (GIRDER ALONE IN PLACE) ↑	A2, A3	0	0.010	0.021	0.028	0.036	0.041	0.046	0.048	0.051	0.052	0.053	0.052	0.051	0.048	0.046	0.041	0.036	0.028	0.021	0.010	0	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.005	0.011	0.016	0.021	0.025	0.029	0.032	0.034	0.035	0.036	0.035	0.034	0.032	0.029	0.025	0.021	0.016	0.011	0.005	0	
FINAL CAMBER ↑		0	1/16"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	1/8"	1/8"	1/16"	0	

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

DEAD LOAD DEFLECTION TABLE - SPAN B

0.6 Ø LOW RELAXATION		CL BRG.	0.025	0.05	0.075	0.10	0.125	0.150	0.175	0.20	0.225	0.25	0.275	0.30	0.325	0.35	0.375	0.40	0.425	0.45	0.475	0.50	
FORTIETH POINTS																							
	GIRDER																						
CAMBER (GIRDER ALONE IN PLACE) ↑	B1, B4	0	0.029	0.059	0.088	0.117	0.138	0.159	0.180	0.201	0.215	0.228	0.242	0.256	0.264	0.271	0.279	0.287	0.289	0.291	0.294	0.296	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.015	0.030	0.045	0.059	0.073	0.087	0.101	0.115	0.126	0.137	0.148	0.159	0.166	0.173	0.180	0.187	0.189	0.192	0.194	0.197	
FINAL CAMBER ↑		0	3/16"	3/8"	1/2"	11/16"	3/4"	7/8"	15/16"	1"	1 1/16"	1 1/8"	1 1/8"	1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 3/16"
CAMBER (GIRDER ALONE IN PLACE) ↑	B2, B3	0	0.029	0.059	0.088	0.117	0.138	0.159	0.180	0.201	0.215	0.228	0.242	0.256	0.264	0.271	0.279	0.287	0.289	0.291	0.294	0.296	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.017	0.034	0.052	0.069	0.085	0.101	0.117	0.134	0.146	0.159	0.172	0.185	0.193	0.201	0.209	0.217	0.220	0.222	0.225	0.228	
FINAL CAMBER ↑		0	1/8"	5/16"	7/16"	9/16"	5/8"	11/16"	3/4"	13/16"	13/16"	13/16"	7/8"	7/8"	7/8"	7/8"	13/16"	13/16"	13/16"	13/16"	13/16"	13/16"	13/16"

* INCLUDES FUTURE WEARING SURFACE
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SPAN B CONT'D

0.525	0.55	0.575	0.60	0.625	0.650	0.675	0.70	0.725	0.750	0.775	0.80	0.825	0.850	0.875	0.90	0.925	0.950	0.975	CL BRG.
0.294	0.291	0.289	0.287	0.279	0.271	0.264	0.256	0.242	0.228	0.215	0.201	0.180	0.159	0.138	0.117	0.088	0.059	0.029	0
0.194	0.192	0.189	0.187	0.180	0.173	0.166	0.159	0.148	0.137	0.126	0.115	0.101	0.087	0.073	0.059	0.045	0.030	0.015	0
1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 1/8"	1 1/8"	1 1/16"	1"	15/16"	7/8"	3/4"	11/16"	1/2"	3/8"	3/16"	0
0.294	0.291	0.289	0.287	0.279	0.271	0.264	0.256	0.242	0.228	0.215	0.201	0.180	0.159	0.138	0.117	0.088	0.059	0.029	0
0.225	0.222	0.220	0.217	0.209	0.201	0.193	0.185	0.172	0.159	0.146	0.134	0.117	0.101	0.085	0.069	0.052	0.034	0.017	0
1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 3/16"	7/8"	7/8"	7/8"	7/8"	1 3/16"	1 3/16"	1 3/16"	3/4"	1 1/16"	5/8"	3/16"	7/16"	5/16"	1/8"	0

* INCLUDES FUTURE WEARING SURFACE
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PROJECT NO. BR-0070
CASWELL COUNTY
STATION: 30+57.00 -L-

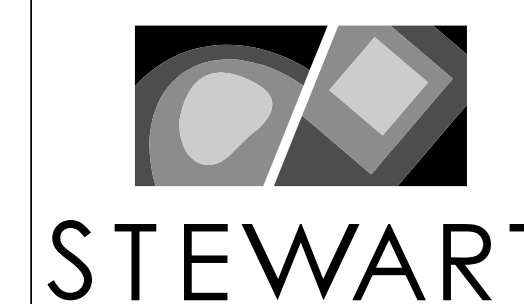
SHEET 1 OF 2



DocuSigned by:
Jeffrey C. Wilson
10/10/2022

DOCUMENT NOT CONSIDERED
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
GIRDER CAMBER AND
DEFLECTION TABLES

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-18
1			3			TOTAL SHEETS
2			4			39

DRAWN BY: J. WILSON DATE: 10/22
CHECKED BY: D. RUGGLES DATE: 10/22
DESIGN ENGINEER OF RECORD: J. WILSON DATE: 10/22

10/10/2022 BR-0070-SMU.DLI-160061.dgn USER:jwilson

BR-0070