

DEAD LOAD DEFLECTION TABLE FOR SPAN B																																										
0.6" Ø LOW RELAXATION		GIRDER 1																																								
FORTIETH POINTS	0	0.025	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.575	0.600	0.625	0.650	0.675	0.700	0.725	0.750	0.775	0.800	0.825	0.850	0.875	0.900	0.925	0.950	0.975	0	
CAMBER (GIRDER ALONE IN PLACE)	†	0.233	0.463	0.691	0.914	1.130	1.339	1.539	1.729	1.907	2.074	2.227	2.367	2.492	2.601	2.695	2.772	2.833	2.876	2.902	2.911	2.902	2.876	2.833	2.772	2.695	2.601	2.492	2.367	2.227	2.074	1.907	1.729	1.539	1.339	1.130	0.914	0.691	0.463	0.233	0	
* DEFLECTION DUE TO SUPERIMPOSED D.L.	†	0.151	0.301	0.448	0.593	0.734	0.869	0.999	1.122	1.238	1.346	1.446	1.536	1.617	1.688	1.749	1.799	1.838	1.867	1.884	1.889	1.884	1.867	1.838	1.799	1.749	1.688	1.617	1.536	1.446	1.346	1.238	1.122	0.999	0.869	0.734	0.593	0.448	0.301	0.151	0	
FINAL CAMBER	†	0	1/16"	3/16"	1/4"	5/16"	3/8"	1/2"	9/16"	5/8"	11/16"	3/4"	13/16"	13/16"	7/8"	15/16"	15/16"	1"	1"	1"	1"	1"	1"	1"	1"	1"	15/16"	15/16"	7/8"	13/16"	13/16"	3/4"	11/16"	5/8"	9/16"	1/2"	3/8"	5/16"	1/4"	3/16"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR SPAN B																																									
0.6" Ø LOW RELAXATION		GIRDER 2 & 3																																							
FORTIETH POINTS	0	0.025	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.575	0.600	0.625	0.650	0.675	0.700	0.725	0.750	0.775	0.800	0.825	0.850	0.875	0.900	0.925	0.950	0.975	0
CAMBER (GIRDER ALONE IN PLACE)	†	0.232	0.463	0.69	0.912	1.128	1.336	1.536	1.725	1.904	2.070	2.223	2.362	2.487	2.596	2.689	2.767	2.827	2.870	2.896	2.905	2.896	2.870	2.827	2.767	2.689	2.596	2.487	2.362	2.223	2.070	1.904	1.725	1.536	1.336	1.128	0.912	0.69	0.463	0.232	0
* DEFLECTION DUE TO SUPERIMPOSED D.L.	†	0.155	0.309	0.461	0.610	0.754	0.893	1.027	1.153	1.273	1.384	1.486	1.579	1.662	1.735	1.798	1.849	1.890	1.919	1.936	1.942	1.936	1.919	1.890	1.849	1.798	1.735	1.662	1.579	1.486	1.384	1.273	1.153	1.027	0.893	0.754	0.610	0.461	0.309	0.155	0
FINAL CAMBER	†	0	1/16"	1/8"	1/4"	5/16"	3/8"	1/2"	9/16"	5/8"	11/16"	3/4"	13/16"	13/16"	7/8"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	15/16"	7/8"	7/8"	13/16"	13/16"	3/4"	11/16"	5/8"	9/16"	1/2"	7/16"	3/8"	5/16"	1/4"	1/8"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR SPAN B																																													
0.6" Ø LOW RELAXATION		GIRDER 4																																											
FORTIETH POINTS	0	0.025	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.575	0.600	0.625	0.650	0.675	0.700	0.725	0.750	0.775	0.800	0.825	0.850	0.875	0.900	0.925	0.950	0.975	0				
CAMBER (GIRDER ALONE IN PLACE)	†	0.233	0.463	0.691	0.914	1.130	1.339	1.539	1.729	1.907	2.074	2.227	2.367	2.492	2.601	2.695	2.772	2.833	2.876	2.902	2.911	2.902	2.876	2.833	2.772	2.695	2.601	2.492	2.367	2.227	2.074	1.907	1.729	1.539	1.339	1.130	0.914	0.691	0.463	0.233	0				
* DEFLECTION DUE TO SUPERIMPOSED D.L.	†	0.148	0.295	0.440	0.582	0.720	0.853	0.980	1.101	1.215	1.321	1.419	1.508	1.587	1.657	1.716	1.766	1.804	1.832	1.849	1.854	1.849	1.832	1.804	1.766	1.716	1.657	1.587	1.508	1.419	1.321	1.215	1.101	0.980	0.853	0.720	0.582	0.440	0.295	0.148	0				
FINAL CAMBER	†	0	1/16"	3/16"	1/4"	5/16"	3/8"	1/2"	9/16"	5/8"	11/16"	3/4"	13/16"	7/8"	15/16"	1"	1"	1"	11/16"	11/16"	11/16"	11/16"	11/16"	11/16"	11/16"	11/16"	1"	1"	1"	15/16"	7/8"	7/8"	13/16"	3/4"	11/16"	5/8"	9/16"	1/2"	7/16"	3/8"	5/16"	1/4"	3/16"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR SPAN A OR C																							
0.6" Ø LOW RELAXATION		GIRDER 1																					
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.0		
CAMBER (GIRDER ALONE IN PLACE)	†	0.000	0.086	0.17	0.25	0.322	0.387	0.441	0.485	0.517	0.536	0.543	0.536	0.517	0.485	0.441	0.387	0.322	0.25	0.17	0.086	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L.	†	0.000	0.023	0.046	0.068	0.087	0.105	0.119	0.131	0.140	0.145	0.147	0.145	0.140	0.131	0.119	0.105	0.087	0.068	0.046	0.023	0.000	
FINAL CAMBER	†	0	1/16"	1/8"	3/16"	1/4"	5/16"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	5/16"	1/4"	3/16"	1/8"	1/16"	0

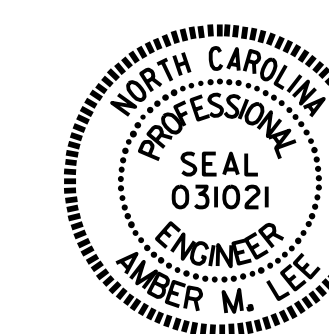
DEAD LOAD DEFLECTION TABLE FOR SPAN A OR C																							
0.6" Ø LOW RELAXATION		GIRDERS 2 & 3																					
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.0		
CAMBER (GIRDER ALONE IN PLACE)	†	0.000	0.086	0.170	0.249	0.322	0.386	0.441	0.484	0.516	0.536	0.542	0.536	0.516	0.484	0.441	0.386	0.322	0.249	0.170	0.086	0.000	
* DEFLECTION DUE TO SUPERIMPOSED D.L.	†	0.000	0.024	0.047	0.069	0.089	0.107	0.122	0.134	0.143	0.148	0.150	0.148	0.143	0.134	0.122	0.107	0.089	0.069	0.047	0.024	0.000	
FINAL CAMBER	†	0	1/16"	1/8"	3/16"	1/4"	1/4"	5/16"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	5/16"	1/4"	1/4"	3/16"	1/8"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR SPAN A OR C																						
0.6" Ø LOW RELAXATION		GIRDER 4																				
TWENTIETH POINTS	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.0	
CAMBER (GIRDER ALONE IN PLACE)	†	0.000	0.086	0.170	0.250	0.322	0.387	0.441	0.485	0.517	0.536	0.543	0.536	0.517	0.485	0.441	0.387	0.322	0.250	0.170	0.086	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	†	0.000	0.023	0.046	0.067	0.086	0.103	0.118	0.130	0.138	0.143	0.145	0.143	0.138	0.130	0.118	0.103	0.086	0.067	0.046	0.023	0.000
FINAL CAMBER	†	0	1/16"	1/8"	3/16"	1/4"	5/16"	5/16"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	5/16"	5/16"	1/4"	3/16"	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).

PROJECT NO. BR-0048  
SURRY COUNTY  
STATION: 18+50.00 -L-

SHEET 4 OF 5



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
PRESTRESSED CONCRETE GIRDER  
CONTINUOUS FOR LIVE LOAD  
DETAILS

ASSEMBLED BY : M. G. SHAIKH DATE : 12/2020  
CHECKED BY : J. A. TILLMAN DATE : 02/2021  
DRAWN BY : ELR 11/91 REV. 1/15 MAA/TMG  
CHECKED BY : GRP 11/91 REV. 2/15 MAA/TMG  
REV. 12/17 MAA/THC

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-15
1			3			TOTAL SHEETS
2			4			33