

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

		SPAN A																																							
		GIRDERS 1 AND 5																																							
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	0.203	0.404	0.602	0.796	0.985	1.167	1.341	1.507	1.663	1.808	1.941	2.063	2.172	2.267	2.349	2.416	2.469	2.507	2.53	2.537	2.53	2.507	2.469	2.416	2.349	2.267	2.172	2.063	1.941	1.808	1.663	1.507	1.341	1.167	0.985	0.796	0.602	0.404	0.203	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.149	0.297	0.444	0.587	0.725	0.86	0.988	1.11	1.224	1.331	1.43	1.519	1.599	1.67	1.73	1.779	1.818	1.846	1.863	1.868	1.863	1.846	1.818	1.779	1.73	1.67	1.599	1.519	1.43	1.331	1.224	1.11	0.988	0.86	0.725	0.587	0.444	0.297	0.149	0
FINAL CAMBER ↑	0	1/16"	1/8"	3/16"	3/16"	1/4"	5/16"	3/8"	3/8"	7/16"	1/2"	1/2"	9/16"	9/16"	5/8"	5/8"	5/8"	5/8"	11/16"	11/16"	11/16"	11/16"	11/16"	5/8"	5/8"	5/8"	5/8"	9/16"	9/16"	1/2"	1/2"	7/16"	3/8"	3/8"	5/16"	1/4"	3/16"	3/16"	1/8"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

		SPAN A																																							
		GIRDERS 2 THRU 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	0.202	0.402	0.599	0.792	0.98	1.161	1.334	1.499	1.654	1.798	1.931	2.052	2.16	2.255	2.336	2.403	2.456	2.493	2.516	2.524	2.516	2.493	2.456	2.403	2.336	2.255	2.16	2.052	1.931	1.798	1.654	1.499	1.334	1.161	0.98	0.792	0.599	0.402	0.202	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.144	0.287	0.428	0.566	0.70	0.829	0.953	1.07	1.181	1.284	1.379	1.465	1.543	1.61	1.668	1.716	1.754	1.781	1.797	1.802	1.797	1.781	1.754	1.716	1.668	1.61	1.543	1.465	1.379	1.284	1.181	1.07	0.953	0.829	0.7	0.566	0.428	0.287	0.144	0
FINAL CAMBER ↑	0	1/16"	1/8"	3/16"	1/4"	1/4"	5/16"	3/8"	7/16"	1/2"	1/2"	9/16"	9/16"	5/8"	5/8"	11/16"	11/16"	11/16"	11/16"	3/4"	3/4"	3/4"	11/16"	11/16"	11/16"	11/16"	5/8"	5/8"	9/16"	9/16"	1/2"	1/2"	7/16"	3/8"	5/16"	1/4"	1/4"	3/16"	1/8"	1/16"	0

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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	0.295	0.588	0.877	1.16	1.434	1.699	1.953	2.194	2.421	2.632	2.827	3.004	3.162	3.301	3.42	3.518	3.595	3.65	3.683	3.694	3.683	3.65	3.595	3.518	3.42	3.301	3.162	3.004	2.827	2.632	2.421	2.194	1.953	1.699	1.434	1.16	0.877	0.588	0.295	0	
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.218	0.434	0.647	0.855	1.058	1.253	1.44	1.618	1.785	1.941	2.085	2.215	2.332	2.435	2.522	2.595	2.651	2.692	2.716	2.725	2.716	2.692	2.651	2.595	2.522	2.435	2.332	2.215	2.085	1.941	1.785	1.618	1.44	1.253	1.058	0.855	0.647	0.434	0.218	0	
FINAL CAMBER ↑	0	1/16"	1/8"	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	11/16"	3/4"	13/16"	13/16"	7/8"	7/8"	15/16"	15/16"	15/16"	15/16"	1"	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"	3/16"	1/8"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

		SPAN B																																							
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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	0.294	0.585	0.872	1.154	1.427	1.69	1.943	2.183	2.408	2.618	2.812	2.988	3.146	3.284	3.402	3.5	3.576	3.631	3.664	3.675	3.664	3.631	3.576	3.5	3.402	3.284	3.146	2.988	2.812	2.618	2.408	2.183	1.943	1.69	1.427	1.154	0.872	0.585	0.294	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0	0.214	0.426	0.635	0.84	1.039	1.231	1.415	1.589	1.754	1.907	2.048	2.176	2.291	2.392	2.478	2.549	2.604	2.644	2.668	2.676	2.668	2.644	2.604	2.549	2.478	2.392	2.291	2.176	2.048	1.907	1.754	1.589	1.415	1.231	1.039	0.84	0.635	0.426	0.214	0
FINAL CAMBER ↑	0	1/16"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	11/16"	3/4"	13/16"	7/8"	7/8"	15/16"	15/16"	1"	1"	1"	1"	1"	1"	1"	15/16"	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

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

PROJECT NO. B-5721  
ROCKINGHAM COUNTY  
 STATION: 21+64.00 -L-



DocuSigned by:  
 Francesca Lea  
 8790AD865084EF  
 03/23/2023

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE  
 DEAD LOAD DEFLECTIONS  
 SPAN A & B

DRAWN BY : Z. MALIK DATE : 01/23  
 CHECKED BY : F. LEA DATE : 01/23  
 DESIGN ENGINEER OF RECORD: Z. MALIK DATE : 05/22

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	DATE:
1			3	
2			4	

S-17  
TOTAL SHEETS  
31