

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	GIRDER #1 AND #4																		
	SPAN A & SPAN E																		
	(A1)	(E1)	0.08L	0.17L	(A2)	(E2)	0.33L	0.42L	(A3)	(E3)	0.58L	0.67L	(A4)	(E4)	0.83L	0.92L	(A5)	(E5)	
TENTH POINTS																			
ORIGINAL CAMBER	↑	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF TOTAL STEEL	↓	0.000	0.021	0.040	0.056	0.068	0.076	0.078	0.076	0.068	0.056	0.040	0.021	0.000					
DEFLECTION DUE TO WEIGHT OF SLAB AND RAIL	↓	0.000	0.060	0.116	0.163	0.198	0.221	0.230	0.221	0.198	0.163	0.116	0.060	0.000					
DEFLECTION DUE TO PPC	↓	0.000	0.004	0.014	0.024	0.030	0.034	0.036	0.035	0.033	0.028	0.021	0.011	0.000					
TOTAL DEAD LOAD DEFLECTION	↓	0.00	0.08	0.17	0.24	0.30	0.33	0.34	0.33	0.30	0.25	0.18	0.09	0.00					

	GIRDER #2 AND #3																		
	SPAN A & SPAN E																		
	(A1)	(E1)	0.08L	0.17L	(A2)	(E2)	0.33L	0.42L	(A3)	(E3)	0.58L	0.67L	(A4)	(E4)	0.83L	0.92L	(A5)	(E5)	
TENTH POINTS																			
ORIGINAL CAMBER	↑	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF TOTAL STEEL	↓	0.000	0.027	0.051	0.072	0.088	0.098	0.102	0.098	0.088	0.072	0.051	0.027	0.000					
DEFLECTION DUE TO WEIGHT OF SLAB AND RAIL	↓	0.000	0.083	0.157	0.220	0.268	0.300	0.312	0.300	0.268	0.219	0.156	0.082	0.000					
DEFLECTION DUE TO PPC	↓	0.000	0.004	0.014	0.022	0.028	0.032	0.033	0.033	0.031	0.025	0.019	0.010	0.000					
TOTAL DEAD LOAD DEFLECTION	↓	0.00	0.11	0.22	0.31	0.38	0.43	0.45	0.43	0.39	0.32	0.23	0.12	0.00					


DATE: 2/27/2020
TIME: 4:02:56 PM

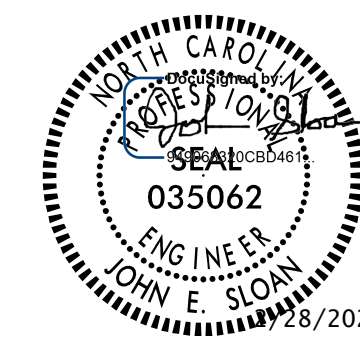
NOTES:

- ## REPRESENTS CROSSFRAME POINT. SEE FRAMING PLAN SHEETS.
- ALL VALUES ARE SHOWN IN INCHES (DECIMAL FORM).

PROJECT NO. 15BPR.20
HENDERSON COUNTY
 STATION: 35+30.22 -L-

SHEET 1 OF 5

 <small>AECOM TECHNICAL SERVICES OF NC, INC. 701 CORPORATE CENTER DRIVE, SUITE 475 RALEIGH, NC 27607 (919) 854-6200 www.aecom.com AECOM License No. F-0342</small>	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUPERSTRUCTURE DEAD LOAD DEFLECTION TABLES																			
	REVISIONS <table border="1"> <tr> <th>NO.</th> <th>BY:</th> <th>DATE:</th> <th>NO.</th> <th>BY:</th> <th>DATE:</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td>4</td> <td></td> <td></td> </tr> </table>			NO.	BY:	DATE:	NO.	BY:	DATE:	1			3			2			4	
NO.	BY:	DATE:	NO.	BY:	DATE:															
1			3																	
2			4																	
SHEET NO. S-105 TOTAL SHEETS 129																				



DRAWN BY : S. STREDNAK DATE : 02/2019
 CHECKED BY : J. SLOAN DATE : 02/2019
 DESIGNED BY : N. BROWN/D. RITACCO DATE : 02/2019
 DESIGN CHECKED BY : J. LIU DATE : 02/2019

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