

R:\Structures\04_Justation\05 RFC Bridge Plans\401_055_B5808_SMU_DLI_028_120057.dgn 10:40:18 AM 3/6/2023 HensleSC

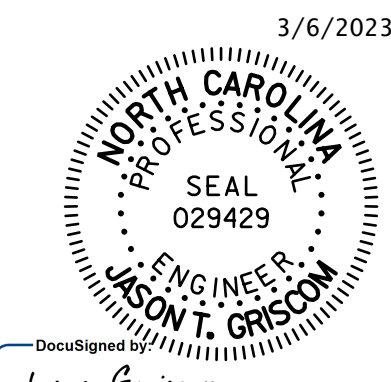
DEAD LOAD DEFLECTION TABLE FOR SPANS A & C																					
GIRDERS 1-4																					
TWENTIETH POINTS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.018	0.036	0.051	0.067	0.078	0.089	0.095	0.102	0.105	0.107	0.105	0.102	0.095	0.089	0.078	0.067	0.051	0.036	0.018	0.000
◆ ▲ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.003	0.007	0.010	0.013	0.016	0.019	0.020	0.022	0.022	0.023	0.022	0.022	0.020	0.019	0.016	0.013	0.010	0.007	0.003	0.000
FINAL CAMBER ↑	0"	0 ³ / ₁₆ "	0 ³ / ₈ "	0 ¹ / ₂ "	0 ⁵ / ₈ "	0 ³ / ₄ "	0 ¹³ / ₁₆ "	0 ⁷ / ₈ "	0 ¹⁵ / ₁₆ "	1"	1"	1"	0 ¹⁵ / ₁₆ "	0 ⁷ / ₈ "	0 ¹³ / ₁₆ "	0 ³ / ₄ "	0 ⁵ / ₈ "	0 ¹ / ₂ "	0 ³ / ₈ "	0 ³ / ₁₆ "	0"

DEAD LOAD DEFLECTION TABLE FOR SPANS A & C																					
GIRDERS 5-8																					
TWENTIETH POINTS	0.00	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	1.00
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.018	0.036	0.051	0.067	0.078	0.089	0.095	0.102	0.105	0.107	0.105	0.102	0.095	0.089	0.078	0.067	0.051	0.036	0.018	0.000
◆ ▲ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.004	0.009	0.012	0.016	0.018	0.021	0.023	0.024	0.025	0.025	0.025	0.024	0.023	0.021	0.018	0.016	0.012	0.009	0.004	0.000
FINAL CAMBER ↑	0"	0 ³ / ₁₆ "	0 ⁵ / ₁₆ "	0 ¹ / ₂ "	0 ⁵ / ₈ "	0 ¹¹ / ₁₆ "	0 ¹³ / ₁₆ "	0 ⁷ / ₈ "	0 ¹⁵ / ₁₆ "	0 ¹⁵ / ₁₆ "	1"	0 ¹⁵ / ₁₆ "	0 ¹⁵ / ₁₆ "	0 ⁷ / ₈ "	0 ¹³ / ₁₆ "	0 ¹¹ / ₁₆ "	0 ⁵ / ₈ "	0 ¹ / ₂ "	0 ⁵ / ₁₆ "	0 ³ / ₁₆ "	0"

DEAD LOAD DEFLECTION TABLE FOR SPANS A & C																					
GIRDERS 9-12																					
TWENTIETH POINTS	0.00	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	1.00
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.018	0.036	0.051	0.067	0.078	0.089	0.095	0.102	0.105	0.107	0.105	0.102	0.095	0.089	0.078	0.067	0.051	0.036	0.018	0.000
▲ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.003	0.007	0.010	0.014	0.017	0.019	0.021	0.023	0.023	0.024	0.023	0.023	0.021	0.019	0.017	0.014	0.010	0.007	0.003	0.000
FINAL CAMBER ↑	0"	0 ³ / ₁₆ "	0 ³ / ₈ "	0 ¹ / ₂ "	0 ⁵ / ₈ "	0 ³ / ₄ "	0 ¹³ / ₁₆ "	0 ⁷ / ₈ "	0 ¹⁵ / ₁₆ "	1"	1"	1"	0 ¹⁵ / ₁₆ "	0 ⁷ / ₈ "	0 ¹³ / ₁₆ "	0 ³ / ₄ "	0 ⁵ / ₈ "	0 ¹ / ₂ "	0 ³ / ₈ "	0 ³ / ₁₆ "	0"

↑ - DENOTES UPWARD CAMBER
 ↓ - DENOTES DOWNWARD DEFLECTION
 ALL VALUES ARE SHOWN IN DECIMAL FEET EXCEPT FINAL CAMBER WHICH IS SHOWN IN INCHES (FRACTION FORM).
 ◆ DUE TO STAGED CONSTRUCTION, THE DEFLECTION DUE TO SIDEWALK AND CONCRETE MEDIAN ARE NOT INCLUDED.
 ▲ DUE TO STAGED CONSTRUCTION, THE DEFLECTION DUE TO FUTURE WEARING SURFACE IS NOT INCLUDED.

PROJECT NO. B-5808
CABARRUS COUNTY
 STATION: 20+64.00 -L-



STV 100 YEARS
 STV ENGINEERS, INC.
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 Charlotte, NC 28202
 NC License Number F-0991

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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DEAD LOAD DEFLECTIONS
 SPANS A & C

ASSEMBLED BY : SGH DATE : 12-22
 CHECKED BY : MLO DATE : 12-22
 DESIGN ENGINEER OF RECORD : J. GRISCOM DATE : 3-23

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

TOTAL SHEETS 65