

DEAD LOAD DEFLECTION TABLE											
	SPAN A						GIRDERS 1 & 4				
TENTH POINTS	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.062	0.117	0.160	0.188	0.197	0.188	0.160	0.117	0.062	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L. ▲ ↓	0.000	0.040	0.077	0.107	0.126	0.132	0.124	0.105	0.075	0.038	0.000
FINAL CAMBER ↑	0"	1/4"	1/2"	5/8"	3/4"	13/16"	3/4"	11/16"	1/2"	5/16"	0"

DEAD LOAD DEFLECTION TABLE											
	SPAN E						GIRDERS 1 & 4				
TENTH POINTS	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.018	0.033	0.046	0.053	0.056	0.053	0.046	0.033	0.018	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L. ▲ ↓	0.000	0.009	0.019	0.027	0.032	0.034	0.033	0.028	0.020	0.010	0.000
FINAL CAMBER ↑	0"	1/8"	3/16"	1/4"	1/4"	1/4"	1/4"	3/16"	3/16"	1/8"	0"

DEAD LOAD DEFLECTION TABLE											
	SPAN A						GIRDERS 2-3				
TENTH POINTS	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.062	0.117	0.160	0.188	0.197	0.188	0.160	0.117	0.062	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L. ▲ ↓	0.000	0.046	0.089	0.123	0.145	0.152	0.144	0.121	0.087	0.044	0.000
FINAL CAMBER ↑	0"	3/16"	5/16"	7/16"	1/2"	9/16"	9/16"	1/2"	3/8"	1/4"	0"

DEAD LOAD DEFLECTION TABLE											
	SPAN E						GIRDERS 2-3				
TENTH POINTS	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.018	0.033	0.046	0.053	0.056	0.053	0.046	0.033	0.018	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L. ▲ ↓	0.000	0.011	0.023	0.032	0.038	0.040	0.038	0.033	0.023	0.012	0.000
FINAL CAMBER ↑	0"	1/16"	1/8"	3/16"	3/16"	3/16"	3/16"	1/8"	1/8"	1/16"	0"

DEAD LOAD DEFLECTION TABLE											
	SPANS B-D						GIRDERS 1 & 4				
TENTH POINTS	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.062	0.118	0.162	0.189	0.199	0.189	0.162	0.118	0.062	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L. ▲ ↓	0.000	0.036	0.072	0.100	0.118	0.125	0.118	0.100	0.072	0.036	0.000
FINAL CAMBER ↑	0"	5/16"	9/16"	3/4"	7/8"	7/8"	7/8"	3/4"	9/16"	5/16"	0"

DEAD LOAD DEFLECTION TABLE											
	SPAN F						GIRDERS 1 & 4				
TENTH POINTS	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.017	0.033	0.045	0.053	0.056	0.053	0.045	0.033	0.017	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L. ▲ ↓	0.000	0.011	0.022	0.030	0.036	0.038	0.036	0.031	0.022	0.011	0.000
FINAL CAMBER ↑	0"	1/16"	1/8"	3/16"	3/16"	3/16"	3/16"	3/16"	1/8"	1/16"	0"

DEAD LOAD DEFLECTION TABLE											
	SPANS B-D						GIRDERS 2-3				
TENTH POINTS	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.062	0.118	0.162	0.189	0.199	0.189	0.162	0.118	0.062	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L. ▲ ↓	0.000	0.042	0.084	0.117	0.138	0.146	0.138	0.117	0.084	0.042	0.000
FINAL CAMBER ↑	0"	1/4"	7/16"	9/16"	5/8"	5/8"	5/8"	9/16"	7/16"	1/4"	0"

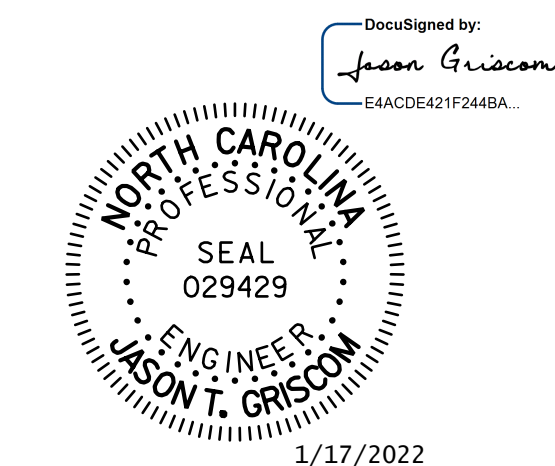
DEAD LOAD DEFLECTION TABLE											
	SPAN F						GIRDERS 2-3				
TENTH POINTS	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.017	0.033	0.045	0.053	0.056	0.053	0.045	0.033	0.017	0.000
DEFLECTION DUE TO SUPERIMPOSED D.L. ▲ ↓	0.000	0.012	0.025	0.035	0.041	0.044	0.041	0.035	0.025	0.013	0.000
FINAL CAMBER ↑	0"	1/16"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/16"	1/16"	0"

NOTES:

- ↑ = UPWARD CAMBER
- ↓ = DOWNWARD DEFLECTION
- ▲ INCLUDES FUTURE WEARING SURFACE.

ALL VALUES ARE SHOWN IN DECIMAL FEET EXCEPT FINAL CAMBER WHICH IS SHOWN IN INCHES.

PROJECT NO. B-5810
CABARRUS COUNTY
 STATION: 23+17.00 -L-



STV 100 YEARS
 STV ENGINEERS, INC.
 900 West Trade St., Suite 715
 Charlotte, NC 28202
 NC License Number F-0991

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**AASHTO TYPE IV
 PRESTRESSED CONCRETE
 GIRDER DEAD LOAD
 DEFLECTION TABLES**

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

TOTAL SHEETS: 36

ASSEMBLED BY : LGH DATE : 6-19
 CHECKED BY : MLO DATE : 12-19
 DESIGN ENGINEER OF RECORD : J. GRISCOM DATE : 1-22

R:\Structures\Station\Finals\401_037_B5810_SMU_DL_09_120022.dgn 4:51:42 PM 1/16/2022 jgr:scm