

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

		SPAN C																				
		GIRDER CG1 AND CG4																				
TWENTIETH POINTS		BRG.	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	BRG.
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.017	0.034	0.049	0.063	0.076	0.087	0.095	0.102	0.105	0.107	0.105	0.102	0.095	0.087	0.076	0.063	0.049	0.034	0.017	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.009	0.018	0.027	0.036	0.043	0.050	0.055	0.059	0.061	0.062	0.061	0.059	0.055	0.050	0.043	0.036	0.027	0.018	0.009	0.000
FINAL CAMBER	↑	0	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	1/2"	1/2"	9/16"	1/2"	1/2"	1/2"	7/16"	3/8"	5/16"	1/4"	3/16"	1/8"	0

		SPAN D																				
		GIRDER DG1 AND DG4																				
TWENTIETH POINTS		BRG.	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	BRG.
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.012	0.023	0.034	0.044	0.053	0.060	0.066	0.071	0.073	0.074	0.073	0.071	0.066	0.060	0.053	0.044	0.034	0.023	0.012	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.003	0.006	0.009	0.011	0.014	0.016	0.017	0.019	0.019	0.020	0.019	0.019	0.017	0.016	0.014	0.011	0.008	0.005	0.003	0.000
FINAL CAMBER	↑	0	1/8"	3/16"	5/16"	3/8"	1/2"	1/2"	9/16"	5/8"	5/8"	5/8"	5/8"	5/8"	9/16"	1/2"	1/2"	3/8"	5/16"	3/16"	1/8"	0

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

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

		SPAN D																				
		GIRDER DG1 AND DG4																				
TWENTIETH POINTS		BRG.	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	BRG.
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.012	0.023	0.034	0.044	0.053	0.060	0.066	0.071	0.073	0.074	0.073	0.071	0.066	0.060	0.053	0.044	0.034	0.023	0.012	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.003	0.006	0.009	0.011	0.014	0.016	0.017	0.019	0.019	0.020	0.019	0.019	0.017	0.016	0.014	0.011	0.008	0.005	0.003	0.000
FINAL CAMBER	↑	0	1/8"	3/16"	5/16"	3/8"	1/2"	1/2"	9/16"	5/8"	5/8"	5/8"	5/8"	5/8"	9/16"	1/2"	1/2"	3/8"	5/16"	3/16"	1/8"	0

		SPAN D																				
		GIRDERS DG2 AND DG3																				
TWENTIETH POINTS		BRG.	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	BRG.
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.012	0.023	0.034	0.044	0.053	0.060	0.066	0.071	0.073	0.074	0.073	0.071	0.066	0.060	0.053	0.044	0.034	0.023	0.012	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.003	0.006	0.010	0.013	0.015	0.018	0.019	0.021	0.022	0.022	0.022	0.021	0.019	0.018	0.015	0.013	0.009	0.006	0.003	0.000
FINAL CAMBER	↑	0	1/8"	3/16"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	5/8"	5/8"	5/8"	5/8"	9/16"	1/2"	7/16"	3/8"	5/16"	3/16"	1/8"	0

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

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PROJECT NO. B-5156
PENDER COUNTY
STATION: 22+90.50 -L-

SHEET 2 OF 2

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1/10/2024

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
GIRDER DEFLECTION
AND CAMBER SCHEDULES

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-23
1			3			TOTAL SHEETS
2			4			45

DRAWN BY: D. D. LOWERY DATE: 03/2023
CHECKED BY: A. L. PHILLIPS DATE: 03/2023
DESIGN ENGINEER OF RECORD: C. T. POOLE DATE: 03/2023

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