DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	BEAMS 1 AND 5																				
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER ↓	0	0.001	0.002	0.002	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.003	0.002	0.002	0.001	0
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0	0.008	0.016	0.023	0.029	0.035	0.040	0.044	0.047	0.049	0.049	0.049	0.047	0.044	0.040	0.035	0.029	0.023	0.016	0.008	0
DEFLECTION DUE TO WEIGHT OF PARAPET AND SIDEWALK ↓	0	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0
TOTAL DEAD LOAD DEFLECTION ↓	0	0.009	0.019	0.026	0.033	0.040	0.045	0.050	0.053	0.055	0.056	0.055	0.053	0.050	0.045	0.040	0.033	0.026	0.019	0.009	0
VERTICAL CURVE ORDINATE ↑	0	0.004	0.007	0.010	0.012	0.014	0.016	0.017	0.018	0.019	0.019	0.019	0.018	0.017	0.016	0.014	0.012	0.010	0.007	0.004	0
REQUIRED CAMBER ↑	0	3/16"	5/16"	7/16"	1/2"	5/8"	3/4"	13/16"	7/8"	7/8"	7/8"	7/8"	7/8"	13/16"	3/4"	5/8"	1/2"	7/16"	5/16"	3/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	BEAMS 2, 3 AND 4																				
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER ↓	0	0.001	0.002	0.002	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.003	0.002	0.002	0.001	0
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0	0.006	0.012	0.017	0.022	0.027	0.031	0.034	0.036	0.037	0.038	0.037	0.036	0.034	0.031	0.027	0.022	0.017	0.012	0.006	0
DEFLECTION DUE TO WEIGHT OF PARAPET AND SIDEWALK ↓	0	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0
TOTAL DEAD LOAD DEFLECTION ↓	0	0.007	0.015	0.020	0.026	0.032	0.036	0.040	0.042	0.043	0.045	0.043	0.042	0.040	0.036	0.032	0.026	0.020	0.015	0.007	0
VERTICAL CURVE ORDINATE ↑	0	0.004	0.007	0.010	0.012	0.014	0.016	0.017	0.018	0.019	0.019	0.019	0.018	0.017	0.016	0.014	0.012	0.010	0.007	0.004	0
REQUIRED CAMBER ↑	0	1/8"	1/4"	3/8"	7/16"	9/16"	5/8"	11/16"	3/4"	3/4"	3/4"	3/4"	3/4"	11/16"	5/8"	9/16"	7/16"	3/8"	1/4"	1/8"	0

* INCLUDES SLAB AND BUILDUPS.
ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM). EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).

FABRICATORS SHALL DETAIL DIAPHRAGM MEMBERS AND CONNECTIONS FOR STEEL DEAD LOAD FIT UP.

PROJECT NO. 15BPR.56
BEAUFORT COUNTY
BRIDGE: 060028

NORTH CAROLINA PROFESSIONAL SEAL 26445 ENGINEER P. KOREY NEWTON

DocuSigned by: P. Korey Newton 4FFE39D1431B407...
01/27/2022

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
DEAD LOAD DEFLECTIONS
(SPAN 25)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S3-74
1			3			TOTAL SHEETS
2			4			78

DRAWN BY : D. SHACKELFORD DATE : 12/2021
CHECKED BY : M.K. BEARD DATE : 12/2021
DESIGN ENGINEER OF RECORD : D. SHACKELFORD DATE : 12/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

1/27/2022
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pknewton

STR. #28