

DEAD LOAD DEFLECTION TABLE FOR GIRDERS OF SPAN C

0.6" Ø LOW-RELAXATION		GIRDER 1																			
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	0.008	0.016	0.024	0.031	0.037	0.043	0.047	0.050	0.052	0.052	0.052	0.050	0.047	0.043	0.037	0.031	0.024	0.016	0.008	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓	0.000	0.004	0.008	0.011	0.015	0.018	0.021	0.023	0.025	0.026	0.026	0.026	0.025	0.023	0.021	0.018	0.015	0.011	0.008	0.004	0.000
FINAL CAMBER ↑	0	1/16"	1/16"	1/8"	3/16"	1/4"	1/4"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	1/4"	1/4"	3/16"	1/8"	1/8"	1/16"	0

0.6" Ø LOW-RELAXATION		GIRDER 2																			
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	0.008	0.016	0.024	0.031	0.037	0.043	0.047	0.050	0.052	0.052	0.052	0.050	0.047	0.043	0.037	0.031	0.024	0.016	0.008	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓	0.000	0.005	0.010	0.015	0.019	0.023	0.027	0.029	0.032	0.033	0.034	0.033	0.032	0.029	0.027	0.023	0.019	0.015	0.010	0.005	0.000
FINAL CAMBER ↑	0	1/16"	1/16"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	1/4"	1/4"	1/4"	3/16"	3/16"	3/16"	3/16"	1/8"	1/8"	1/16"	1/16"	0

0.6" Ø LOW-RELAXATION		GIRDER 3																			
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	0.008	0.016	0.024	0.031	0.037	0.043	0.047	0.050	0.052	0.052	0.052	0.050	0.047	0.043	0.037	0.031	0.024	0.016	0.008	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓	0.000	0.006	0.011	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	0.011	0.006	0.000
FINAL CAMBER ↑	0	1/16"	1/16"	1/16"	1/8"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	1/8"	1/8"	1/8"	1/16"	1/16"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS OF SPAN D

0.6" Ø LOW-RELAXATION		GIRDER 1																			
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	0.008	0.016	0.024	0.030	0.036	0.042	0.046	0.049	0.051	0.051	0.051	0.049	0.046	0.042	0.036	0.030	0.024	0.016	0.008	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓	0.000	0.004	0.007	0.011	0.014	0.017	0.020	0.022	0.023	0.024	0.025	0.024	0.023	0.022	0.020	0.017	0.014	0.011	0.007	0.005	0.000
FINAL CAMBER ↑	0	1/16"	1/8"	1/8"	3/16"	1/4"	1/4"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	1/4"	1/4"	3/16"	1/8"	1/8"	1/16"	0

0.6" Ø LOW-RELAXATION		GIRDER 2																			
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	0.008	0.016	0.024	0.030	0.036	0.042	0.046	0.049	0.051	0.051	0.051	0.049	0.046	0.042	0.036	0.030	0.024	0.016	0.008	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓	0.000	0.005	0.009	0.014	0.018	0.022	0.025	0.027	0.030	0.030	0.031	0.030	0.030	0.027	0.025	0.021	0.018	0.013	0.009	0.005	0.000
FINAL CAMBER ↑	0	1/16"	1/16"	1/8"	1/8"	3/16"	3/16"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/16"	3/16"	1/8"	1/8"	1/16"	1/16"	0

0.6" Ø LOW-RELAXATION		GIRDER 3																			
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	0.008	0.016	0.024	0.030	0.036	0.042	0.046	0.049	0.051	0.051	0.051	0.049	0.046	0.042	0.036	0.030	0.024	0.016	0.008	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓	0.000	0.006	0.010	0.016	0.021	0.025	0.029	0.031	0.034	0.035	0.036	0.035	0.034	0.031	0.029	0.025	0.021	0.015	0.010	0.005	0.000
FINAL CAMBER ↑	0	1/16"	1/16"	1/8"	1/8"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	1/8"	1/8"	1/8"	1/8"	1/16"	1/16"	0

* INCLUDES FUTURE WEARING SURFACE IN SUPERIMPOSED DEAD LOAD.

ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS SHOWN IN INCHES (FRACTION FORM).

PROJECT NO. U-5748
WAKE COUNTY
 STATION: 24+88.00 -L-

SHEET 2 OF 2

DRAWN BY : D.R. DRUM DATE : 06/2021
 CHECKED BY : J.C. MORRISON DATE : 06/2021
 DESIGNED BY : G.L. HAMILTON DATE : 11/2020
 DESIGN CHECKED BY : J.C. MORRISON DATE : 11/2020

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUPERSTRUCTURE

DEAD LOAD DEFLECTIONS
 (NORTHBOUND LANES)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S1-25 TOTAL SHEETS 119
2			4			

DATE: 2/10/2023 TIME: 12:36:28 PM
 USER: c:\pwworking\john.morrison\AECOM\DS21\MA_2020\Documents\60609754-U-5748 Ugon_MIT1900-CAD GIS\910_CAD\Y0_MCDOT_TIP\Structures\04_Drawings\401_051_U-5748_SNU_DL2_S1-25_91021.DGN
 P:\pwworking\john.morrison\AECOM\DS21\MA_2020\Documents\60609754-U-5748 Ugon_MIT1900-CAD GIS\910_CAD\Y0_MCDOT_TIP\Structures\04_Drawings\401_051_U-5748_SNU_DL2_S1-25_91021.DGN