

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

0.6" Ø LOW RELAXATION	SPAN C																				
	GIRDER 1 (EXTERIOR)																				
	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.062	0.123	0.180	0.232	0.279	0.318	0.350	0.372	0.386	0.391	0.386	0.372	0.350	0.318	0.279	0.232	0.180	0.123	0.062	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.039	0.078	0.114	0.147	0.177	0.202	0.222	0.236	0.245	0.248	0.245	0.236	0.222	0.202	0.177	0.147	0.114	0.078	0.039	0.000
FINAL CAMBER ↑	0"	1/4"	9/16"	13/16"	1"	1 1/4"	1 3/8"	1 9/16"	1 5/8"	1 11/16"	1 11/16"	1 11/16"	1 5/8"	1 9/16"	1 3/8"	1 1/4"	1"	13/16"	9/16"	1/4"	0"
0.6" Ø LOW RELAXATION	GIRDER 2 (INTERIOR)																				
	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
	TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.062	0.123	0.180	0.232	0.279	0.318	0.350	0.372	0.386	0.391	0.386	0.372	0.350	0.318	0.279	0.232	0.180	0.123	0.062	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.044	0.086	0.126	0.163	0.196	0.223	0.246	0.262	0.272	0.275	0.272	0.262	0.246	0.223	0.196	0.163	0.126	0.086	0.044	0.000
FINAL CAMBER ↑	0"	3/16"	7/16"	5/8"	13/16"	1"	1 1/8"	1 1/4"	1 5/16"	1 3/8"	1 3/8"	1 3/8"	1 5/16"	1 1/4"	1 1/8"	1"	13/16"	5/8"	7/16"	3/16"	0"
0.6" Ø LOW RELAXATION	GIRDER 3 (INTERIOR)																				
	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
	TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.062	0.123	0.180	0.232	0.279	0.318	0.350	0.372	0.386	0.391	0.386	0.372	0.350	0.318	0.279	0.232	0.180	0.123	0.062	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.044	0.086	0.126	0.163	0.196	0.223	0.246	0.262	0.272	0.275	0.272	0.262	0.246	0.223	0.196	0.163	0.126	0.086	0.044	0.000
FINAL CAMBER ↑	0"	3/16"	7/16"	5/8"	13/16"	1"	1 1/8"	1 1/4"	1 5/16"	1 3/8"	1 3/8"	1 3/8"	1 5/16"	1 1/4"	1 1/8"	1"	13/16"	5/8"	7/16"	3/16"	0"
0.6" Ø LOW RELAXATION	GIRDER 4 (EXTERIOR)																				
	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
	TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.062	0.123	0.180	0.232	0.279	0.318	0.350	0.372	0.386	0.391	0.386	0.372	0.350	0.318	0.279	0.232	0.180	0.123	0.062	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.038	0.074	0.109	0.140	0.168	0.192	0.211	0.225	0.233	0.236	0.233	0.225	0.211	0.192	0.168	0.140	0.109	0.074	0.038	0.000
FINAL CAMBER ↑	0"	5/16"	9/16"	7/8"	1 1/8"	1 5/16"	1 1/2"	1 11/16"	1 3/4"	1 13/16"	1 7/8"	1 13/16"	1 3/4"	1 11/16"	1 1/2"	1 5/16"	1 1/8"	7/8"	9/16"	5/16"	0"

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

PROJECT NO. R-2707C
CLEVELAND COUNTY
 STATION: 384+50.00 -L-

SHEET 2 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 DEAD LOAD DEFLECTION
 SPAN C
 RIGHT LANE

DRAWN BY : _____ PDS _____ DATE : 11/2016
 CHECKED BY : _____ TLC _____ DATE : 01/2017
 DESIGN ENGINEER OF RECORD: _____ MAL _____ DATE : 11/2016

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-18
1			3			TOTAL SHEETS
2			4			36