

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	0.035	0.070	0.102	0.132	0.158	0.180	0.198	0.211	0.219	0.222	0.219	0.211	0.198	0.180	0.158	0.132	0.102	0.070	0.035	0.000
FINAL CAMBER ↑	0"	5/16"	5/8"	15/16"	1 3/16"	1 7/16"	1 5/8"	1 13/16"	1 15/16"	2"	2 1/16"	2"	1 15/16"	1 13/16"	1 5/8"	1 7/16"	1 3/16"	15/16"	5/8"	5/16"	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	0.039	0.077	0.113	0.146	0.175	0.199	0.219	0.234	0.242	0.245	0.242	0.234	0.219	0.199	0.175	0.146	0.113	0.077	0.039	0.000
FINAL CAMBER ↑	0"	1/4"	9/16"	13/16"	1 1/16"	1 1/4"	1 7/16"	1 9/16"	1 11/16"	1 3/4"	1 3/4"	1 3/4"	1 11/16"	1 9/16"	1 7/16"	1 1/4"	1 1/16"	13/16"	9/16"	1/4"	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	0.039	0.077	0.113	0.146	0.175	0.200	0.219	0.234	0.243	0.246	0.243	0.234	0.219	0.200	0.175	0.146	0.113	0.077	0.039	0.000
FINAL CAMBER ↑	0"	1/4"	9/16"	13/16"	1 1/16"	1 1/4"	1 7/16"	1 9/16"	1 11/16"	1 3/4"	1 3/4"	1 3/4"	1 11/16"	1 9/16"	1 7/16"	1 1/4"	1 1/16"	13/16"	9/16"	1/4"	0"
0.6" Ø LOW RELAXATION	GIRDER 4 (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	0.039	0.077	0.113	0.146	0.175	0.200	0.219	0.234	0.243	0.246	0.243	0.234	0.219	0.200	0.175	0.146	0.113	0.077	0.039	0.000
FINAL CAMBER ↑	0"	1/4"	9/16"	13/16"	1 1/16"	1 1/4"	1 7/16"	1 9/16"	1 11/16"	1 3/4"	1 3/4"	1 3/4"	1 11/16"	1 9/16"	1 7/16"	1 1/4"	1 1/16"	13/16"	9/16"	1/4"	0"
0.6" Ø LOW RELAXATION	GIRDER 5 (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	0.033	0.065	0.095	0.123	0.148	0.168	0.185	0.197	0.205	0.207	0.205	0.197	0.185	0.168	0.148	0.123	0.095	0.065	0.033	0.000
FINAL CAMBER ↑	0"	3/8"	11/16"	1"	1 5/16"	1 9/16"	1 13/16"	2"	2 1/8"	2 3/16"	2 3/16"	2 3/16"	2 1/8"	2"	1 13/16"	1 9/16"	1 5/16"	1"	11/16"	3/8"	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
LEFT LANE

DRAWN BY : MAL DATE : 11/2016
CHECKED BY : JMR DATE : 12/2016
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:	S1-18
1			3			TOTAL SHEETS
2			4			36