

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION	SPAN B																					
	GIRDER 1 (EXTERIOR)																					
	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	0.031	0.062	0.091	0.117	0.141	0.160	0.176	0.188	0.195	0.197	0.195	0.188	0.176	0.160	0.141	0.117	0.091	0.062	0.031	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.013	0.025	0.036	0.047	0.056	0.064	0.070	0.075	0.078	0.079	0.078	0.075	0.070	0.064	0.056	0.047	0.036	0.025	0.013	0.000
FINAL CAMBER	↑	0	3/16"	7/16"	1 1/16"	1 3/16"	1"	1 1/8"	1 1/4"	1 3/8"	1 3/8"	1 7/16"	1 3/8"	1 3/8"	1 1/4"	1 1/8"	1"	1 3/16"	1 1/16"	7/16"	3/16"	0
0.6" Ø LOW RELAXATION	GIRDER 2 (INTERIOR)																					
	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	0.031	0.062	0.090	0.117	0.140	0.160	0.176	0.187	0.194	0.197	0.194	0.187	0.176	0.160	0.140	0.117	0.090	0.062	0.031
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.013	0.025	0.036	0.047	0.056	0.064	0.071	0.075	0.078	0.079	0.078	0.075	0.071	0.064	0.056	0.047	0.036	0.025	0.013	0.000
FINAL CAMBER	↑	0	3/16"	7/16"	5/8"	1 3/16"	1"	1 1/8"	1 1/4"	1 3/8"	1 3/8"	1 7/16"	1 3/8"	1 3/8"	1 1/4"	1 1/8"	1"	1 3/16"	5/8"	7/16"	3/16"	0
0.6" Ø LOW RELAXATION	GIRDER 3 (INTERIOR)																					
	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	0.031	0.062	0.090	0.116	0.140	0.159	0.175	0.187	0.194	0.196	0.194	0.187	0.175	0.159	0.140	0.116	0.090	0.062	0.031
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.012	0.024	0.036	0.046	0.056	0.063	0.070	0.074	0.077	0.078	0.077	0.074	0.070	0.063	0.056	0.046	0.036	0.024	0.012	0.000
FINAL CAMBER	↑	0	1/4"	7/16"	5/8"	1 3/16"	1"	1 1/8"	1 1/4"	1 3/8"	1 3/8"	1 7/16"	1 3/8"	1 3/8"	1 1/4"	1 1/8"	1"	1 3/16"	5/8"	7/16"	1/4"	0
0.6" Ø LOW RELAXATION	GIRDER 4 (INTERIOR)																					
	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	0.031	0.061	0.090	0.116	0.139	0.159	0.175	0.186	0.193	0.196	0.193	0.186	0.175	0.159	0.139	0.116	0.090	0.061	0.031
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.012	0.024	0.035	0.046	0.055	0.063	0.069	0.073	0.076	0.077	0.076	0.073	0.069	0.063	0.055	0.046	0.035	0.024	0.012	0.000
FINAL CAMBER	↑	0	1/4"	7/16"	1 1/16"	1 3/16"	1"	1 1/8"	1 1/4"	1 3/8"	1 3/8"	1 7/16"	1 3/8"	1 3/8"	1 1/4"	1 1/8"	1"	1 3/16"	1 1/16"	7/16"	1/4"	0
0.6" Ø LOW RELAXATION	GIRDER 5 (EXTERIOR)																					
	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	0.031	0.061	0.090	0.116	0.139	0.159	0.174	0.186	0.193	0.195	0.193	0.186	0.174	0.159	0.139	0.116	0.090	0.061	0.031
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.013	0.025	0.037	0.047	0.057	0.065	0.071	0.076	0.079	0.080	0.079	0.076	0.071	0.065	0.057	0.047	0.037	0.025	0.013	0.000
FINAL CAMBER	↑	0	3/16"	7/16"	5/8"	1 3/16"	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"	1 3/16"	5/8"	7/16"	3/16"	0

* INCLUDES SLAB, BUILDUPS, STAY-IN-PLACE FORMS, BARRIERS AND FUTURE WEARING SURFACE
 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: 29+07.16 -Y2-

SHEET 2 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 DEAD LOAD DEFLECTION
 SPAN B

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S3-20
1			3			TOTAL SHEETS
2			4			36

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

DRAWN BY : MKO DATE : 12/2016
 CHECKED BY : JMR DATE : 12/2016
 DESIGN ENGINEER OF RECORD: MKO DATE : 12/2016