DEAD LOAD DEFLECTION TABLE FOR GIRDERS

0.6" Ø LOW RELAXATION																						
	SPAN A																					
	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	0.140	0.160	0.176	0.187	0.195	0.197	0.195	0.187	0.176	0.160	0.140	0.117	0.091	0.062	0.031	0.000
✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.012	0.025	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	0.025	0.012	0.000
FINAL CAMBER ↑	0	1/4"	7/16"	11/16"	7/8"	1"	1 3/16"	1 1/4"	1 3/8"	1 7/16"	1 7/16"	1 7/16"	1 3/8"	1 1/4"	1 3/16"	1"	7/8"	11/16"	7/16"	1/4"	0
	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	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"	5/8"	13/16"	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"	13/16"	5/8"	7/16"	3/16"	0
	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	0.117	0.140	0.160	0.175	0.187	0.194	0.196	0.194	0.187	0.175	0.160	0.140	0.117	0.090	0.062	0.031	0.000
✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.012	0.025	0.036	0.046	0.056	0.064	0.070	0.074	0.077	0.078	0.077	0.074	0.070	0.064	0.056	0.046	0.036	0.025	0.012	0.000
FINAL CAMBER ↑	0	1/4"	7/16"	5/8"	7/8"	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"	7/8"	5/8"	7/16"	1/4"	0
	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	0.062	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	0.000
✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.012	0.024	0.036	0.046	0.055	0.063	0.069	0.074	0.077	0.078	0.077	0.074	0.069	0.063	0.055	0.046	0.036	0.024	0.012	0.000
FINAL CAMBER ↑	0	1/4"	7/16"	5/8"	13/16"	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"	13/16"	5/8"	7/16"	1/4"	0
	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	0.140	0.159	0.175	0.186	0.193	0.196	0.193	0.186	0.175	0.159	0.140	0.116	0.090	0.061	0.031	0.000
✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.013	0.025	0.037	0.048	0.058	0.066	0.072	0.077	0.080	0.081	0.080	0.077	0.072	0.066	0.058	0.048	0.037	0.025	0.013	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

✳ INCLUDES SLAB, BUILDUPS, STAY-IN-PLACE FORMS, BARRIER RAIL 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 1 OF 2

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

2/28/2017
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NORTH CAROLINA PROFESSIONAL SEAL 038248 ENGINEER JUSTIN MARK ROBINSON
DocuSigned by: Justin Robinson
3/2/2017

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

DEAD LOAD DEFLECTION SPAN A

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S3-19
1			3			TOTAL SHEETS
2			4			36