

DEAD LOAD DEFLECTION TABLE - SPAN A

0.6 Ø LOW RELAXATION																						
TENTH 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.
	GIRDER																					
CAMBER (GIRDER ALONE IN PLACE) ↑	A1, A8	0	0.028	0.055	0.080	0.103	0.124	0.141	0.156	0.166	0.172	0.174	0.172	0.166	0.156	0.141	0.124	0.103	0.080	0.055	0.028	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.017	0.034	0.051	0.068	0.081	0.094	0.102	0.109	0.112	0.114	0.110	0.107	0.099	0.091	0.077	0.063	0.047	0.031	0.016	0
FINAL CAMBER ↑		0	1/8"	1/4"	3/8"	1/2"	9/16"	5/8"	11/16"	3/4"	3/4"	3/4"	11/16"	11/16"	5/8"	9/16"	1/2"	3/8"	5/16"	3/16"	1/8"	0
CAMBER (GIRDER ALONE IN PLACE) ↑	A2, A7	0	0.028	0.055	0.080	0.103	0.124	0.141	0.156	0.166	0.172	0.174	0.172	0.166	0.156	0.141	0.124	0.103	0.080	0.055	0.028	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.020	0.040	0.058	0.077	0.092	0.107	0.116	0.125	0.128	0.130	0.127	0.123	0.113	0.103	0.088	0.073	0.055	0.037	0.019	0
FINAL CAMBER ↑		0	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	1/2"	1/2"	1/2"	9/16"	1/2"	1/2"	7/16"	7/16"	3/8"	5/16"	3/16"	1/8"	0
CAMBER (GIRDER ALONE IN PLACE) ↑	A3, A6	0	0.028	0.055	0.080	0.103	0.124	0.141	0.156	0.166	0.172	0.174	0.172	0.166	0.156	0.141	0.124	0.103	0.080	0.055	0.028	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.020	0.040	0.060	0.080	0.095	0.110	0.120	0.129	0.132	0.135	0.131	0.127	0.117	0.107	0.092	0.077	0.058	0.038	0.019	0
FINAL CAMBER ↑		0	1/8"	3/16"	1/4"	1/4"	3/8"	3/8"	7/16"	7/16"	1/2"	1/2"	1/2"	7/16"	7/16"	7/16"	3/8"	5/16"	1/4"	3/16"	1/8"	0
CAMBER (GIRDER ALONE IN PLACE) ↑	A4, A5	0	0.028	0.055	0.080	0.103	0.124	0.141	0.156	0.166	0.172	0.174	0.172	0.166	0.156	0.141	0.124	0.103	0.080	0.055	0.028	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.020	0.039	0.058	0.077	0.092	0.106	0.116	0.125	0.128	0.131	0.128	0.124	0.115	0.105	0.090	0.075	0.058	0.038	0.019	0
FINAL CAMBER ↑		0	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	7/16"	1/2"	1/2"	1/2"	1/2"	1/2"	7/16"	7/16"	5/16"	1/4"	3/16"	1/8"	0

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

DEAD LOAD DEFLECTION TABLE - SPAN B

0.6 Ø LOW RELAXATION																						
TENTH 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.
	GIRDER																					
CAMBER (GIRDER ALONE IN PLACE) ↑	B1, B8	0	0.028	0.055	0.080	0.103	0.124	0.141	0.156	0.166	0.172	0.174	0.172	0.166	0.156	0.141	0.124	0.103	0.080	0.055	0.028	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.016	0.031	0.047	0.063	0.077	0.091	0.099	0.107	0.110	0.114	0.112	0.109	0.102	0.094	0.081	0.068	0.051	0.034	0.017	0
FINAL CAMBER ↑		0	1/8"	5/16"	3/8"	1/2"	9/16"	5/8"	11/16"	11/16"	3/4"	3/4"	3/4"	11/16"	5/8"	9/16"	1/2"	7/16"	3/8"	1/4"	1/8"	0
CAMBER (GIRDER ALONE IN PLACE) ↑	B2, B7	0	0.028	0.055	0.080	0.103	0.124	0.141	0.156	0.166	0.172	0.174	0.172	0.166	0.156	0.141	0.124	0.103	0.080	0.055	0.028	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.019	0.037	0.055	0.073	0.088	0.103	0.113	0.123	0.127	0.130	0.128	0.125	0.116	0.107	0.092	0.077	0.058	0.040	0.020	0
FINAL CAMBER ↑		0	1/8"	3/16"	5/16"	3/8"	7/16"	7/16"	1/2"	1/2"	9/16"	1/2"	1/2"	1/2"	1/2"	7/16"	3/8"	5/16"	1/4"	3/16"	1/8"	0
CAMBER (GIRDER ALONE IN PLACE) ↑	B3, B6	0	0.028	0.055	0.080	0.103	0.124	0.141	0.156	0.166	0.172	0.174	0.172	0.166	0.156	0.141	0.124	0.103	0.080	0.055	0.028	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.019	0.038	0.058	0.077	0.092	0.107	0.117	0.127	0.131	0.135	0.132	0.129	0.120	0.110	0.095	0.080	0.060	0.040	0.020	0
FINAL CAMBER ↑		0	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	7/16"	7/16"	1/2"	1/2"	1/2"	7/16"	7/16"	3/8"	3/8"	1/4"	1/4"	3/16"	1/8"	0
CAMBER (GIRDER ALONE IN PLACE) ↑	B4, B5	0	0.028	0.055	0.080	0.103	0.124	0.141	0.156	0.166	0.172	0.174	0.172	0.166	0.156	0.141	0.124	0.103	0.080	0.055	0.028	0
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.019	0.038	0.058	0.075	0.090	0.105	0.115	0.124	0.128	0.131	0.128	0.125	0.116	0.106	0.092	0.077	0.058	0.039	0.020	0
FINAL CAMBER ↑		0	1/8"	3/16"	1/4"	5/16"	7/16"	7/16"	1/2"	1/2"	1/2"	1/2"	1/2"	7/16"	1/2"	7/16"	3/8"	5/16"	1/4"	3/16"	1/8"	0

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

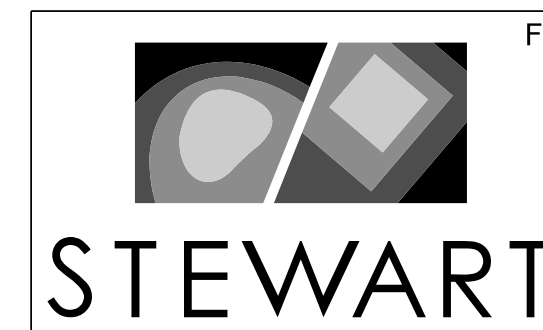
PROJECT NO. R-2707C
CLEVELAND COUNTY
STATION: 24+07.99 -Y9- POT

SHEET 4 OF 4



DocuSigned by:
Jeff Loftus
FES1DC02E794A0... 2/2/2017

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

63" PRESTRESSED CONCRETE
MODIFIED BULB TEE
DEAD LOAD DEFLECTIONS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			37

STR. #6

DRAWN BY: J. LOFTUS DATE: 07-16
CHECKED BY: H. ASSFOURA DATE: 11-16
DESIGN ENGINEER OF RECORD: J. LOFTUS DATE: 07-16

R 2707C-6
2/2/2017
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