

DEAD LOAD DEFLECTION TABLE - SPAN A													
0.6 Ø LOW RELAXATION													
TENTH POINTS													
GIRDER		☉ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	☉ BRG.	
A1	CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.059	0.111	0.152	0.177	0.186	0.177	0.152	0.111	0.059	0
	* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.039	0.077	0.106	0.124	0.130	0.123	0.103	0.074	0.037	0
	FINAL CAMBER	↑	0	1/4"	7/16"	9/16"	5/8"	11/16"	5/8"	9/16"	7/16"	1/4"	0
A2	CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.059	0.111	0.152	0.177	0.186	0.177	0.152	0.111	0.059	0
	* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.047	0.092	0.127	0.149	0.156	0.148	0.125	0.089	0.045	0
	FINAL CAMBER	↑	0	1/8"	1/4"	5/16"	5/16"	3/8"	3/8"	5/16"	1/4"	3/16"	0
A3	CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.059	0.111	0.152	0.177	0.186	0.177	0.152	0.111	0.059	0
	* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.047	0.092	0.127	0.149	0.156	0.148	0.125	0.089	0.045	0
	FINAL CAMBER	↑	0	1/8"	1/4"	5/16"	5/16"	3/8"	3/8"	5/16"	1/4"	3/16"	0
A4	CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.059	0.111	0.152	0.177	0.186	0.177	0.152	0.111	0.059	0
	* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.039	0.077	0.106	0.124	0.130	0.123	0.103	0.074	0.037	0
	FINAL CAMBER	↑	0	1/4"	7/16"	9/16"	5/8"	11/16"	5/8"	9/16"	7/16"	1/4"	0

DEAD LOAD DEFLECTION TABLE - SPAN B													
0.6 Ø LOW RELAXATION													
TENTH POINTS													
GIRDER		☉ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	☉ BRG.	
B1	CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.059	0.111	0.152	0.177	0.186	0.177	0.152	0.111	0.059	0
	* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.036	0.072	0.101	0.120	0.127	0.121	0.104	0.075	0.038	0
	FINAL CAMBER	↑	0	1/4"	7/16"	5/8"	11/16"	11/16"	11/16"	9/16"	7/16"	1/4"	0
B2	CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.059	0.111	0.152	0.177	0.186	0.177	0.152	0.111	0.059	0
	* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.045	0.089	0.125	0.148	0.156	0.149	0.127	0.092	0.047	0
	FINAL CAMBER	↑	0	3/16"	1/4"	5/16"	3/8"	3/8"	5/16"	5/16"	1/4"	1/8"	0
B3	CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.059	0.111	0.152	0.177	0.186	0.177	0.152	0.111	0.059	0
	* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.045	0.089	0.125	0.148	0.156	0.149	0.127	0.092	0.047	0
	FINAL CAMBER	↑	0	3/16"	1/4"	5/16"	3/8"	3/8"	5/16"	5/16"	1/4"	1/8"	0
B4	CAMBER (GIRDER ALONE IN PLACE)	↑	0	0.059	0.111	0.152	0.177	0.186	0.177	0.152	0.111	0.059	0
	* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0	0.036	0.072	0.101	0.120	0.127	0.121	0.104	0.075	0.038	0
	FINAL CAMBER	↑	0	1/4"	7/16"	5/8"	11/16"	11/16"	11/16"	9/16"	7/16"	1/4"	0

* INCLUDES FUTURE WEARING SURFACE

ALL VALUES ARE GIVEN IN FEET (DECIMAL FORMAT), EXCEPT "FINAL CAMBER" WHICH IS GIVEN IN INCHES

PROJECT NO. R-2707C
CLEVELAND COUNTY
 STATION: 20+70.23-Y3- POT



DocuSigned by:
 Jeff Capus
 FES1DC2E879449... 2/6/2017

STEWART

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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DEAD LOAD DEFLECTION
 FOR PRESTRESSED
 CONCRETE GIRDER

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S4-15
1			3			TOTAL SHEETS
2			4			29

DRAWN BY: H.ASSFOURA DATE: 07/16
 CHECKED BY: J.LOFTUS DATE: 11/16
 DESIGN ENGINEER OF RECORD: J.LOFTUS DATE: 01/17