DEAD LOAD DEFLECTION TABLE - SPAN A

0.6 Ø LOW RELAXATION

	TENTH POINTS	GIRDER	℄ 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.
PHASE I	CAMBER (GIRDER ALONE IN PLACE) ↑	A1	0	0.030	0.059	0.086	0.111	0.134	0.153	0.168	0.179	0.185	0.188	0.185	0.179	0.168	0.153	0.134	0.111	0.086	0.059	0.030	0
	✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.017	0.034	0.050	0.066	0.079	0.092	0.100	0.107	0.109	0.112	0.109	0.106	0.098	0.089	0.076	0.063	0.047	0.031	0.016	0
	FINAL CAMBER ↑		0	1/8"	5/16"	7/16"	9/16"	11/16"	3/4"	13/16"	7/8"	15/16"	15/16"	15/16"	7/8"	13/16"	3/4"	11/16"	9/16"	7/16"	5/16"	3/16"	0
	CAMBER (GIRDER ALONE IN PLACE) ↑	A2, A3	0	0.030	0.059	0.086	0.111	0.134	0.153	0.168	0.179	0.185	0.188	0.185	0.179	0.168	0.153	0.134	0.111	0.086	0.059	0.030	0
	✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.017	0.034	0.050	0.067	0.080	0.092	0.100	0.108	0.110	0.112	0.109	0.106	0.098	0.089	0.076	0.063	0.047	0.031	0.016	0
	FINAL CAMBER ↑		0	1/8"	5/16"	7/16"	1/2"	5/8"	3/4"	13/16"	7/8"	7/8"	15/16"	15/16"	7/8"	13/16"	3/4"	11/16"	9/16"	7/16"	5/16"	3/16"	0
	CAMBER (GIRDER ALONE IN PLACE) ↑	A4	0	0.030	0.059	0.086	0.111	0.134	0.153	0.168	0.179	0.185	0.188	0.185	0.179	0.168	0.153	0.134	0.111	0.086	0.059	0.030	0
	✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.014	0.027	0.040	0.052	0.062	0.072	0.078	0.084	0.086	0.087	0.085	0.082	0.075	0.068	0.058	0.048	0.036	0.024	0.012	0
	FINAL CAMBER ↑		0	3/16"	3/8"	9/16"	11/16"	7/8"	1"	1 1/16"	1 1/8"	1 3/16"	1 3/16"	1 3/16"	1 3/16"	1 1/8"	1"	15/16"	3/4"	5/8"	7/16"	3/16"	0
PHASE II	CAMBER (GIRDER ALONE IN PLACE) ↑	A5	0	0.030	0.059	0.086	0.111	0.134	0.153	0.168	0.179	0.185	0.188	0.185	0.179	0.168	0.153	0.134	0.111	0.086	0.059	0.030	0
	✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.015	0.030	0.044	0.058	0.070	0.081	0.088	0.094	0.097	0.099	0.096	0.093	0.086	0.078	0.067	0.055	0.042	0.028	0.014	0
	FINAL CAMBER ↑		0	3/16"	3/8"	1/2"	5/8"	3/4"	7/8"	15/16"	1"	1 1/16"	1 1/16"	1 1/16"	1 1/16"	1"	7/8"	13/16"	11/16"	1/2"	3/8"	3/16"	0
	CAMBER (GIRDER ALONE IN PLACE) ↑	A6, A7	0	0.030	0.059	0.086	0.111	0.134	0.153	0.168	0.179	0.185	0.188	0.185	0.179	0.168	0.153	0.134	0.111	0.086	0.059	0.030	0
	✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.018	0.037	0.055	0.073	0.087	0.101	0.110	0.118	0.121	0.124	0.121	0.117	0.108	0.098	0.084	0.070	0.053	0.035	0.017	0
	FINAL CAMBER ↑		0	1/8"	1/4"	3/8"	7/16"	9/16"	5/8"	11/16"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	11/16"	5/8"	1/2"	3/8"	5/16"	1/8"	0
	CAMBER (GIRDER ALONE IN PLACE) ↑	A8	0	0.030	0.059	0.086	0.111	0.134	0.153	0.168	0.179	0.185	0.188	0.185	0.179	0.168	0.153	0.134	0.111	0.086	0.059	0.030	0
	✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.016	0.033	0.049	0.065	0.078	0.090	0.098	0.106	0.109	0.111	0.108	0.104	0.096	0.088	0.075	0.062	0.047	0.031	0.015	0
	FINAL CAMBER ↑		0	3/16"	5/16"	7/16"	9/16"	11/16"	3/4"	13/16"	7/8"	15/16"	15/16"	15/16"	7/8"	7/8"	3/4"	11/16"	9/16"	7/16"	5/16"	3/16"	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	GIRDER	℄ 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.
PHASE I	CAMBER (GIRDER ALONE IN PLACE) ↑	B1	0	0.029	0.058	0.085	0.110	0.132	0.151	0.166	0.177	0.183	0.185	0.183	0.177	0.166	0.151	0.132	0.110	0.085	0.058	0.029	0
	✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.014	0.029	0.044	0.058	0.070	0.082	0.090	0.098	0.101	0.104	0.102	0.100	0.093	0.085	0.074	0.062	0.047	0.032	0.016	0
	FINAL CAMBER ↑		0	3/16"	3/8"	1/2"	5/8"	3/4"	13/16"	15/16"	15/16"	1"	1"	1"	15/16"	7/8"	13/16"	11/16"	9/16"	7/16"	5/16"	1/8"	0
	CAMBER (GIRDER ALONE IN PLACE) ↑	B2, B3	0	0.029	0.058	0.085	0.110	0.132	0.151	0.166	0.177	0.183	0.185	0.183	0.177	0.166	0.151	0.132	0.110	0.085	0.058	0.029	0
	✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.014	0.029	0.044	0.059	0.070	0.082	0.090	0.098	0.101	0.104	0.102	0.100	0.093	0.085	0.074	0.062	0.047	0.032	0.016	0
	FINAL CAMBER ↑		0	3/16"	3/8"	1/2"	5/8"	3/4"	13/16"	15/16"	15/16"	1"	1"	1"	15/16"	7/8"	13/16"	11/16"	9/16"	7/16"	5/16"	1/8"	0
	CAMBER (GIRDER ALONE IN PLACE) ↑	B4	0	0.029	0.058	0.085	0.110	0.132	0.151	0.166	0.177	0.183	0.185	0.183	0.177	0.166	0.151	0.132	0.110	0.085	0.058	0.029	0
	✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.011	0.022	0.034	0.045	0.054	0.063	0.070	0.076	0.079	0.081	0.080	0.078	0.073	0.067	0.058	0.048	0.037	0.025	0.012	0
	FINAL CAMBER ↑		0	3/16"	7/16"	5/8"	3/4"	15/16"	1 1/16"	1 1/8"	1 3/16"	1 1/4"	1 1/4"	1 1/4"	1 3/16"	1 1/8"	1"	7/8"	3/4"	9/16"	3/8"	3/16"	0
PHASE II	CAMBER (GIRDER ALONE IN PLACE) ↑	B5	0	0.029	0.058	0.085	0.110	0.132	0.151	0.166	0.177	0.183	0.185	0.183	0.177	0.166	0.151	0.132	0.110	0.085	0.058	0.029	0
	✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.012	0.025	0.038	0.051	0.062	0.072	0.079	0.086	0.089	0.092	0.090	0.088	0.082	0.075	0.065	0.054	0.041	0.028	0.014	0
	FINAL CAMBER ↑		0	3/16"	3/8"	9/16"	11/16"	13/16"	15/16"	1 1/16"	1 1/16"	1 1/8"	1 1/8"	1 1/8"	1 1/16"	1"	15/16"	13/16"	11/16"	1/2"	3/8"	3/16"	0
	CAMBER (GIRDER ALONE IN PLACE) ↑	B6, B7	0	0.029	0.058	0.085	0.110	0.132	0.151	0.166	0.177	0.183	0.185	0.183	0.177	0.166	0.151	0.132	0.110	0.085	0.058	0.029	0
	✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.016	0.033	0.049	0.065	0.078	0.091	0.100	0.108	0.112	0.115	0.113	0.110	0.102	0.094	0.081	0.068	0.052	0.035	0.017	0
	FINAL CAMBER ↑		0	1/8"	5/16"	7/16"	9/16"	5/8"	3/4"	13/16"	13/16"	7/8"	13/16"	13/16"	13/16"	3/4"	11/16"	5/8"	1/2"	3/8"	1/4"	1/8"	0
	CAMBER (GIRDER ALONE IN PLACE) ↑	B8	0	0.029	0.058	0.085	0.110	0.132	0.151	0.166	0.177	0.183	0.185	0.183	0.177	0.166	0.151	0.132	0.110	0.085	0.058	0.029	0
	✳ DEFLECTION DUE TO SUPERIMPOSED D.L. ↓		0	0.014	0.029	0.044	0.058	0.070	0.081	0.089	0.097	0.100	0.103	0.101	0.098	0.091	0.084	0.073	0.061	0.046	0.031	0.015	0
	FINAL CAMBER ↑		0	3/16"	3/8"	1/2"	5/8"	3/4"	13/16"	15/16"	15/16"	1"	1"	1"	15/16"	7/8"	13/16"	11/16"	9/16"	7/16"	5/16"	3/16"	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. I-0914BA
VANCE COUNTY
STATION: 22+06.96 -Y1- POT

NORTH CAROLINA PROFESSIONAL SEAL 11725 ENGINEER DAVID R. RUGGLES

DocuSigned by: David Ruggles 11/17/2014
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DWG. 27 OF 48

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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:	S-27
1			3			TOTAL SHEETS
2			4			177

DRAWN BY: H.ASSFOURA DATE : 08/14
CHECKED BY: P.JACOB DATE : 09/14
DESIGN ENGINEER OF RECORD: D. RUGGLES DATE : 09/14