

NOTES

* 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 FOR GIRDERS																					
0.6" Ø LOW RELAXATION	SPANS A & C																				
	GIRDERS 1 & 5																				
	TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.014	0.027	0.039	0.051	0.061	0.070	0.077	0.082	0.085	0.086	0.085	0.082	0.077	0.070	0.061	0.051	0.039	0.027	0.014	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.010	0.019	0.028	0.038	0.045	0.052	0.057	0.062	0.064	0.065	0.064	0.062	0.057	0.053	0.045	0.038	0.029	0.019	0.010	0.000
FINAL CAMBER ↑	0	1/16"	1/8"	1/8"	1/8"	3/16"	3/16"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/16"	3/16"	1/8"	1/8"	1/8"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" Ø LOW RELAXATION	SPANS A & C																				
	GIRDERS 2 & 4																				
	TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.014	0.027	0.039	0.051	0.061	0.070	0.077	0.082	0.085	0.086	0.085	0.082	0.077	0.070	0.061	0.051	0.039	0.027	0.014	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.010	0.021	0.031	0.041	0.049	0.057	0.062	0.067	0.069	0.071	0.069	0.067	0.062	0.057	0.049	0.041	0.031	0.021	0.010	0.000
FINAL CAMBER ↑	0	1/16"	1/16"	1/8"	1/8"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	1/8"	1/8"	1/8"	1/8"	1/16"	1/16"	0

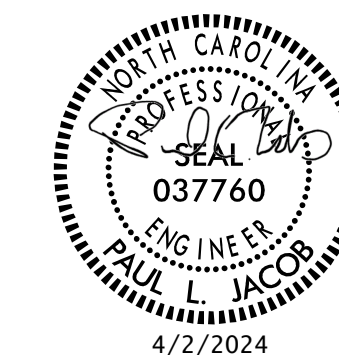
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" Ø LOW RELAXATION	SPANS A & C																				
	GIRDER 3																				
	TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.014	0.027	0.039	0.051	0.061	0.070	0.077	0.082	0.085	0.086	0.085	0.082	0.077	0.070	0.061	0.051	0.039	0.027	0.014	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.010	0.021	0.031	0.041	0.050	0.058	0.063	0.068	0.070	0.072	0.070	0.068	0.063	0.058	0.050	0.041	0.031	0.021	0.010	0.000
FINAL CAMBER ↑	0	1/16"	1/16"	1/8"	1/8"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	1/8"	1/8"	1/8"	1/8"	1/16"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" Ø LOW RELAXATION	SPAN B																				
	GIRDERS 1 & 5																				
	TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.022	0.044	0.064	0.083	0.099	0.113	0.124	0.133	0.138	0.139	0.138	0.133	0.124	0.113	0.099	0.083	0.064	0.044	0.022	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.017	0.033	0.050	0.066	0.079	0.091	0.099	0.107	0.110	0.113	0.110	0.107	0.099	0.091	0.079	0.066	0.050	0.033	0.017	0.000
FINAL CAMBER ↑	0	1/16"	1/8"	3/16"	3/16"	1/4"	1/4"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	1/4"	1/4"	3/16"	3/16"	1/8"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" Ø LOW RELAXATION	SPAN B																				
	GIRDERS 2 & 4																				
	TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.022	0.044	0.064	0.083	0.099	0.113	0.124	0.133	0.138	0.139	0.138	0.133	0.124	0.113	0.099	0.083	0.064	0.044	0.022	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.018	0.036	0.054	0.071	0.085	0.098	0.107	0.116	0.120	0.122	0.120	0.116	0.107	0.098	0.085	0.071	0.054	0.036	0.018	0.000
FINAL CAMBER ↑	0	1/16"	1/8"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	1/8"	1/8"	1/8"	1/16"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
0.6" Ø LOW RELAXATION	SPAN B																				
	GIRDER 3																				
	TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.022	0.044	0.064	0.083	0.099	0.113	0.124	0.133	0.138	0.139	0.138	0.133	0.124	0.113	0.099	0.083	0.064	0.044	0.022	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L. ↓	0.000	0.018	0.037	0.054	0.072	0.086	0.100	0.109	0.118	0.121	0.124	0.121	0.118	0.109	0.100	0.086	0.072	0.054	0.037	0.018	0.000
FINAL CAMBER ↑	0	1/16"	1/16"	1/8"	1/8"	1/8"	1/8"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	1/8"	1/8"	1/8"	1/8"	1/16"	1/16"	0

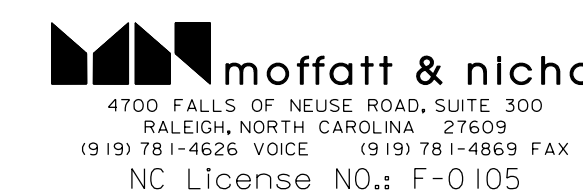
PROJECT NO. BR-0069
CASWELL COUNTY
STATION: 20+18.00 -L-



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DEAD LOAD DEFLECTIONS

DRAWN BY : J. WEIGER DATE : 6-2023
CHECKED BY : J. LOFTUS DATE : 8-2023
DESIGN ENGINEER OF RECORD: J. LOFTUS DATE : 3-2024



DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-20
1			3			TOTAL SHEETS
2			4			38

3/20/2024 02:14:00 PM I:\Projects\109\BR-0069\Structures\01-CADD\02-FinalDrawings\01_039_BR0069_SMJ.DWG 160001.dgn jloftus