

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS		SPAN A GIRDERS 1 & 5																				
	CL 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	CL BRG.	
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.016	0.032	0.046	0.060	0.072	0.082	0.090	0.096	0.100	0.101	0.100	0.096	0.090	0.082	0.072	0.060	0.046	0.032	0.016	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.009	0.017	0.026	0.034	0.041	0.047	0.052	0.055	0.057	0.058	0.057	0.055	0.052	0.047	0.041	0.034	0.026	0.018	0.009	0.000
FINAL CAMBER	↑	0	1/16"	3/16"	1/4"	5/16"	3/8"	7/16"	7/16"	1/2"	1/2"	1/2"	1/2"	1/2"	7/16"	7/16"	3/8"	5/16"	1/4"	3/16"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS		SPAN A GIRDERS 2, 3, & 4																				
	CL 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	CL BRG.	
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.016	0.032	0.046	0.060	0.072	0.082	0.090	0.096	0.100	0.101	0.100	0.096	0.090	0.082	0.072	0.060	0.046	0.032	0.016	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.009	0.018	0.027	0.036	0.043	0.050	0.055	0.059	0.061	0.062	0.061	0.059	0.055	0.050	0.044	0.037	0.028	0.019	0.010	0.000
FINAL CAMBER	↑	0	1/16"	3/16"	1/4"	5/16"	5/16"	3/8"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	3/8"	5/16"	5/16"	1/4"	3/16"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS		SPAN B GIRDERS 1 & 5																				
	CL 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	CL BRG.	
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.019	0.037	0.055	0.071	0.085	0.097	0.106	0.113	0.117	0.119	0.117	0.113	0.106	0.097	0.085	0.071	0.055	0.037	0.019	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.011	0.022	0.034	0.044	0.053	0.061	0.067	0.072	0.075	0.076	0.075	0.072	0.067	0.061	0.053	0.044	0.034	0.022	0.011	0.000
FINAL CAMBER	↑	0	1/16"	3/16"	1/4"	5/16"	3/8"	7/16"	7/16"	1/2"	1/2"	1/2"	1/2"	1/2"	7/16"	7/16"	3/8"	5/16"	1/4"	3/16"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS		SPAN B GIRDERS 2, 3, & 4																				
	CL 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	CL BRG.	
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.019	0.037	0.055	0.071	0.085	0.097	0.106	0.113	0.117	0.119	0.117	0.113	0.106	0.097	0.085	0.071	0.055	0.037	0.019	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.012	0.024	0.036	0.047	0.057	0.065	0.072	0.077	0.080	0.081	0.080	0.077	0.072	0.065	0.057	0.047	0.036	0.024	0.012	0.000
FINAL CAMBER	↑	0	1/16"	3/16"	1/4"	5/16"	5/16"	3/8"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	3/8"	5/16"	5/16"	1/4"	3/16"	1/16"	0	

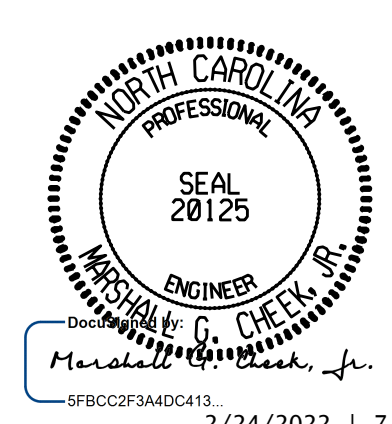
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS		SPAN C - F GIRDERS 1 & 5																				
	CL BRG.	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	CL BRG.	
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.015	0.030	0.043	0.056	0.067	0.077	0.084	0.090	0.093	0.094	0.093	0.090	0.084	0.077	0.067	0.056	0.043	0.030	0.015	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.008	0.016	0.025	0.033	0.039	0.045	0.050	0.053	0.055	0.056	0.055	0.053	0.050	0.045	0.039	0.033	0.025	0.016	0.008	0.000
FINAL CAMBER	↑	0	1/16"	3/16"	1/4"	1/4"	5/16"	3/8"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	7/16"	3/8"	5/16"	1/4"	1/4"	3/16"	1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																						
0.6" Ø LOW RELAXATION STRANDS		SPAN C - F GIRDERS 2, 3, & 4																				
	CL 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	CL BRG.	
CAMBER (GIRDER ALONE IN PLACE)	↑	0.000	0.015	0.030	0.043	0.056	0.067	0.077	0.084	0.090	0.093	0.094	0.093	0.090	0.084	0.077	0.067	0.056	0.043	0.030	0.015	0.000
* DEFLECTION DUE TO SUPERIMPOSED D.L.	↓	0.000	0.009	0.018	0.027	0.035	0.042	0.048	0.053	0.057	0.059	0.060	0.059	0.057	0.053	0.048	0.042	0.035	0.027	0.018	0.009	0.000
FINAL CAMBER	↑	0	1/16"	1/8"	3/16"	1/4"	5/16"	5/16"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	5/16"	5/16"	1/4"	3/16"	1/8"	1/16"	0	

* INCLUDES FUTURE WEARING SURFACE
ALL VALUES ARE SHOWN IN FEET, EXCEPT "FINAL CAMBER" WHICH IS SHOWN IN INCHES.

PROJECT NO. B-4786
PITT COUNTY
STATION: 28+03.00 -L-

SHEET 6 OF 9



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DEAD LOAD DEFLECTIONS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-22
2			4			TOTAL SHEETS 57

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
706 HILLSBOROUGH STREET
SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

DRAWN BY : STM DATE : 08/21
CHECKED BY : MGC DATE : 08/21
DESIGN ENGINEER OF RECORD : STM DATE : 08/21