

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

0.6" DIA. LOW-RELAXATION	SPAN A																						
	GIRDER 1											GIRDERS 2, 3, 4, 7, 8, 9, 10, 11											
	TENTH POINTS	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.012	0.023	0.032	0.038	0.040	0.038	0.032	0.023	0.012	0.000	0.000	0.012	0.023	0.032	0.038	0.040	0.038	0.032	0.023	0.012	0.000	
* DEFLECTION DUE TO SUPERIMPOSED DL ↓	0.000	0.004	0.008	0.011	0.014	0.014	0.014	0.012	0.008	0.004	0.000	0.000	0.005	0.010	0.014	0.016	0.017	0.016	0.014	0.010	0.010	0.005	0.000
FINAL CAMBER (OR DEFLECTION) ↑	0"	1/8"	3/16"	1/4"	5/16"	5/16"	5/16"	1/4"	3/16"	1/8"	0"	0"	1/16"	3/16"	1/4"	1/4"	1/4"	1/4"	1/4"	3/16"	1/16"	0"	

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

0.6" DIA. LOW-RELAXATION	SPAN A										
	GIRDERS 5 & 6										
	TENTH POINTS	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.012	0.023	0.032	0.038	0.040	0.038	0.032	0.023	0.012	0.000
* DEFLECTION DUE TO SUPERIMPOSED DL ↓	0.000	0.004	0.008	0.011	0.013	0.014	0.013	0.011	0.008	0.004	0.000
FINAL CAMBER (OR DEFLECTION) ↑	0"	1/8"	3/16"	1/4"	5/16"	5/16"	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 FOR GIRDERS

0.6" DIA. LOW-RELAXATION	SPAN B																						
	GIRDER 1											GIRDERS 2, 3, 4, 7, 8, 9, 10, 11											
	TENTH POINTS	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.111	0.152	0.179	0.188	0.179	0.152	0.111	0.059	0.000	0.000	0.059	0.111	0.152	0.179	0.188	0.179	0.152	0.111	0.059	0.000	
* DEFLECTION DUE TO SUPERIMPOSED DL ↓	0.000	0.036	0.070	0.097	0.114	0.120	0.114	0.097	0.070	0.036	0.000	0.000	0.042	0.083	0.115	0.135	0.143	0.136	0.115	0.083	0.043	0.000	
FINAL CAMBER (OR DEFLECTION) ↑	0"	1/4"	1/2"	11/16"	3/4"	13/16"	3/4"	11/16"	1/2"	1/4"	0"	0"	3/16"	5/16"	7/16"	1/2"	9/16"	1/2"	7/16"	5/16"	3/16"	0"	

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

0.6" DIA. LOW-RELAXATION	SPAN B																						
	GIRDERS 5 & 6											GIRDER 12											
	TENTH POINTS	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.059	0.111	0.152	0.179	0.188	0.179	0.152	0.111	0.059	0.000	0.000	0.059	0.111	0.152	0.179	0.188	0.179	0.152	0.111	0.059	0.000	
* DEFLECTION DUE TO SUPERIMPOSED DL ↓	0.000	0.035	0.069	0.095	0.112	0.118	0.112	0.096	0.069	0.035	0.000	0.000	0.034	0.066	0.092	0.108	0.114	0.108	0.092	0.067	0.034	0.000	
FINAL CAMBER (OR DEFLECTION) ↑	0"	5/16"	1/2"	11/16"	13/16"	13/16"	13/16"	11/16"	1/2"	5/16"	0"	0"	5/16"	9/16"	3/4"	7/8"	7/8"	7/8"	3/4"	9/16"	5/16"	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 FOR GIRDERS

0.6" DIA. LOW-RELAXATION	SPAN C																						
	GIRDER 1											GIRDERS 2, 3, 4, 7, 8, 9, 10, 11											
	TENTH POINTS	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.057	0.108	0.148	0.174	0.183	0.174	0.148	0.108	0.057	0.000	0.000	0.057	0.108	0.148	0.174	0.183	0.174	0.148	0.108	0.057	0.000	
* DEFLECTION DUE TO SUPERIMPOSED DL ↓	0.000	0.031	0.060	0.083	0.098	0.103	0.098	0.084	0.061	0.032	0.000	0.000	0.036	0.071	0.099	0.116	0.122	0.116	0.099	0.072	0.037	0.000	
FINAL CAMBER (OR DEFLECTION) ↑	0"	5/16"	9/16"	13/16"	15/16"	15/16"	15/16"	3/4"	9/16"	5/16"	0"	0"	1/4"	7/16"	5/8"	11/16"	3/4"	11/16"	5/8"	7/16"	1/4"	0"	

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

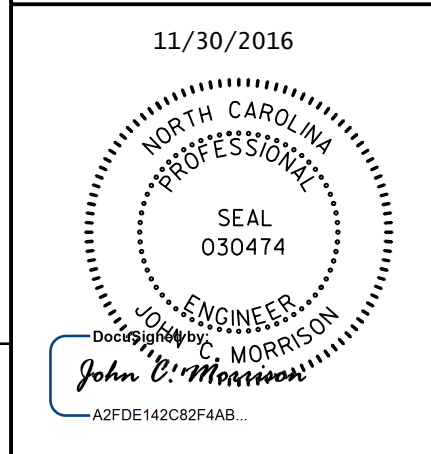
0.6" DIA. LOW-RELAXATION	SPAN C																						
	GIRDERS 5 & 6											GIRDER 12											
	TENTH POINTS	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.	BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	BRG.
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.057	0.108	0.148	0.174	0.183	0.174	0.148	0.108	0.057	0.000	0.000	0.057	0.108	0.148	0.174	0.183	0.174	0.148	0.108	0.057	0.000	
* DEFLECTION DUE TO SUPERIMPOSED DL ↓	0.000	0.030	0.059	0.082	0.096	0.101	0.097	0.082	0.060	0.031	0.000	0.000	0.029	0.057	0.079	0.092	0.097	0.093	0.079	0.057	0.030	0.000	
FINAL CAMBER (OR DEFLECTION) ↑	0"	5/16"	5/8"	13/16"	15/16"	1"	15/16"	13/16"	9/16"	5/16"	0"	0"	5/16"	5/8"	13/16"	1"	1"	1"	13/16"	5/8"	5/16"	0"	

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

DRAWN BY : K.H. COMPTON DATE : 4/2016
CHECKED BY : G.L. HAMILTON DATE : 7/2016
DESIGNED BY : K.H. COMPTON DATE : 4/2016

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

PROJECT NO. U-4910A
CABARRUS COUNTY
STATION: 147+80.00 -L-



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUPERSTRUCTURE DEAD LOAD DEFLECTIONS SPANS A, B & C					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					TOTAL SHEETS 55

DATE: 11/30/2016 TIME: 10:55:27 AM

USER: H:\aecom\99_060300\71400_Technical\08_Structural\Comp\401_045_U4910A_SMU_S23_D101.dgn