

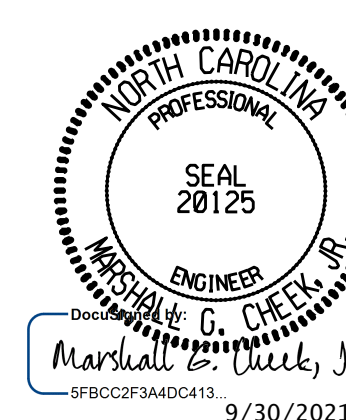
DEAD LOAD DEFLECTION TABLE FOR GIRDERS																																											
SPAN A																																											
GIRDER #11																																											
FORTIETH POINTS	CL BRG.	0.025	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.575	0.600	0.625	0.650	0.675	0.700	0.725	0.750	0.775	0.800	0.825	0.850	0.875	0.900	0.925	0.950	0.975	CL BRG.		
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.002	0.003	0.005	0.006	0.008	0.009	0.010	0.011	0.012	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.013	0.012	0.012	0.011	0.010	0.009	0.008	0.006	0.005	0.004	0.003	0.002	0.001	0.000	-0.001	-0.002	-0.002	-0.002	-0.003	-0.002	-0.002	-0.001	0.000		
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.006	0.011	0.016	0.021	0.026	0.030	0.034	0.038	0.041	0.044	0.046	0.048	0.049	0.050	0.050	0.049	0.048	0.047	0.045	0.043	0.040	0.037	0.034	0.030	0.026	0.023	0.019	0.015	0.012	0.008	0.005	0.002	0.000	-0.002	-0.004	-0.005	-0.005	-0.004	-0.002	0.000		
DEFLECTION DUE TO WEIGHT OF PARAPET	0.000	0.001	0.002	0.002	0.003	0.004	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.007	0.007	0.007	0.006	0.006	0.006	0.005	0.004	0.004	0.003	0.003	0.002	0.002	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.009	0.016	0.023	0.030	0.038	0.043	0.049	0.055	0.059	0.064	0.066	0.069	0.070	0.072	0.072	0.071	0.070	0.068	0.064	0.062	0.058	0.053	0.049	0.044	0.037	0.032	0.027	0.021	0.017	0.011	0.007	0.002	-0.001	-0.004	-0.006	-0.008	-0.007	-0.006	-0.003	0.000		
REQUIRED CAMBER	0	1/8"	3/16"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	11/16"	3/4"	13/16"	13/16"	7/8"	7/8"	7/8"	7/8"	13/16"	13/16"	3/4"	3/4"	11/16"	5/8"	3/8"	1/2"	7/16"	3/8"	3/8"	1/4"	3/16"	1/8"	1/16"	0	0	-1/16"	-1/16"	-1/16"	-1/16"	-1/16"	-1/16"	0		

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FORTIETH POINTS	CL BRG.	0.025	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.225	0.250	0.275	0.300	0.325	0.350	0.375	0.400	0.425	0.450	0.475	0.500	0.525	0.550	0.575	0.600	0.625	0.650	0.675	0.700	0.725	0.750	0.775	0.800	0.825	0.850	0.875	0.900	0.925	0.950	0.975	CL BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.002	0.005	0.008	0.012	0.016	0.020	0.024	0.029	0.033	0.038	0.042	0.046	0.051	0.055	0.058	0.061	0.064	0.066	0.068	0.070	0.071	0.072	0.072	0.071	0.070	0.068	0.066	0.064	0.060	0.057	0.053	0.048	0.043	0.038	0.032	0.026	0.020	0.013	0.007	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.006	0.012	0.020	0.028	0.038	0.049	0.060	0.071	0.083	0.095	0.106	0.118	0.129	0.139	0.148	0.157	0.164	0.170	0.176	0.180	0.183	0.185	0.185	0.184	0.181	0.177	0.172	0.165	0.157	0.148	0.137	0.125	0.112	0.098	0.084	0.068	0.051	0.035	0.018	0.000
DEFLECTION DUE TO WEIGHT OF PARAPET	0.000	0.001	0.001	0.002	0.004	0.005	0.006	0.008	0.009	0.011	0.012	0.013	0.015	0.016	0.017	0.018	0.019	0.020	0.021	0.022	0.022	0.022	0.023	0.023	0.022	0.022	0.022	0.021	0.020	0.019	0.018	0.017	0.015	0.014	0.012	0.010	0.008	0.006	0.004	0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.009	0.018	0.030	0.044	0.059	0.075	0.092	0.109	0.127	0.145	0.161	0.179	0.196	0.211	0.224	0.237	0.248	0.257	0.266	0.272	0.276	0.280	0.280	0.277	0.273	0.267	0.259	0.249	0.236	0.223	0.207	0.188	0.169	0.148	0.126	0.102	0.077	0.052	0.027	0.000
REQUIRED CAMBER	0	1/8"	1/4"	3/8"	1/2"	11/16"	7/8"	1 1/8"	1 1/16"	1 1/2"	1 3/4"	1 5/16"	2 1/8"	2 3/8"	2 9/16"	2 11/16"	2 7/8"	3"	3 1/8"	3 3/16"	3 1/4"	3 5/16"	3 3/8"	3 3/8"	3 3/8"	3 5/16"	3 3/16"	3 1/8"	3"	2 3/16"	2 1/16"	2 1/2"	2 1/4"	2"	1 3/4"	1 1/2"	1 1/4"	5/8"	5/8"	5/8"	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
 ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM). EXCEPT "REQUIRED CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).

PROJECT NO. R-2566BA
WATAUGA COUNTY
 STATION: 164+30.00 -L-

SHEET 11 OF 11



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUPERSTRUCTURE
 DEAD LOAD DEFLECTIONS

DRAWN BY : ZCS DATE : 06/21
 CHECKED BY : MGC DATE : 06/21
 DESIGN ENGINEER OF RECORD: RDE DATE : 09/21

9/30/2021
 X:\NCDOT\R-2566BA\Structures\Final plans\DCN files\401.075.R-2566BA.SMU. DL11.S37.940005.dgn
 Users\sbwilliams

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED						REVISIONS						SHEET NO.
TGS ENGINEERS 706 HILLSBOROUGH STREET SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275						NO.	BY:	DATE:	NO.	BY:	DATE:	S-37
						1			3			TOTAL SHEETS
						2			4			79