DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	SPAN A																																													
	GIRDER #2																																													
FORTIETH POINTS	℄ 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	℄ BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER ↓	0.000	0.001	0.003	0.004	0.005	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.010	0.009	0.009	0.008	0.008	0.007	0.006	0.005	0.004	0.003	0.002	0.001	0.000	-0.001	-0.002	-0.003	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.004	-0.003	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.005	0.009	0.013	0.017	0.021	0.025	0.028	0.030	0.033	0.034	0.036	0.036	0.037	0.036	0.036	0.034	0.033	0.031	0.028	0.025	0.022	0.019	0.016	0.012	0.009	0.005	0.002	-0.001	-0.004	-0.007	-0.009	-0.011	-0.012	-0.013	-0.013	-0.012	-0.011	-0.008	-0.005	0.000
DEFLECTION DUE TO WEIGHT OF PARAPET ↓	0.000	0.000	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.001	0.001	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	0.006	0.013	0.018	0.024	0.029	0.034	0.039	0.041	0.045	0.046	0.050	0.050	0.051	0.050	0.049	0.047	0.045	0.043	0.039	0.034	0.030	0.026	0.022	0.017	0.012	0.007	0.003	-0.002	-0.006	-0.010	-0.013	-0.016	-0.017	-0.018	-0.018	-0.017	-0.015	-0.011	-0.007	0.000
REQUIRED CAMBER ↑	0	1/16"	1/8"	1/4"	5/16"	3/8"	3/8"	7/16"	1/2"	9/16"	9/16"	9/16"	5/8"	5/8"	5/8"	9/16"	9/16"	9/16"	1/2"	7/16"	7/16"	3/8"	5/16"	1/4"	3/16"	1/8"	1/16"	0	0	-1/16"	-1/8"	-1/8"	-3/16"	-3/16"	-1/4"	-1/4"	-3/16"	-3/16"	-1/8"	-1/16"	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

	SPAN B																																													
	GIRDER #2																																													
FORTIETH POINTS	℄ 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	℄ BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER ↓	0.000	0.003	0.007	0.011	0.015	0.020	0.025	0.031	0.036	0.042	0.047	0.052	0.058	0.063	0.067	0.071	0.075	0.079	0.081	0.084	0.085	0.087	0.087	0.087	0.087	0.085	0.083	0.080	0.077	0.073	0.068	0.063	0.058	0.052	0.045	0.038	0.031	0.024	0.016	0.008	0.000
DEFLECTION DUE TO WEIGHT OF SLAB * ↓	0.000	0.008	0.017	0.029	0.041	0.054	0.068	0.083	0.098	0.113	0.129	0.143	0.158	0.172	0.184	0.196	0.207	0.217	0.225	0.231	0.236	0.240	0.241	0.241	0.241	0.235	0.230	0.223	0.214	0.203	0.191	0.177	0.161	0.144	0.126	0.107	0.087	0.066	0.044	0.022	0.000
DEFLECTION DUE TO WEIGHT OF PARAPET ↓	0.000	0.000	0.001	0.002	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.010	0.011	0.011	0.012	0.013	0.013	0.014	0.014	0.015	0.015	0.015	0.015	0.015	0.015	0.014	0.014	0.013	0.013	0.012	0.011	0.010	0.009	0.008	0.007	0.005	0.004	0.003	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.011	0.025	0.042	0.058	0.077	0.097	0.119	0.141	0.162	0.184	0.204	0.226	0.246	0.262	0.279	0.295	0.309	0.320	0.329	0.336	0.342	0.343	0.343	0.343	0.335	0.327	0.317	0.304	0.289	0.271	0.251	0.229	0.205	0.179	0.152	0.123	0.094	0.063	0.031	0.000
REQUIRED CAMBER ↑	0	1/8"	5/16"	1/2"	11/16"	15/16"	1 3/16"	1 7/16"	1 11/16"	1 15/16"	2 3/16"	2 7/16"	2 11/16"	2 15/16"	3 3/16"	3 3/8"	3 9/16"	3 11/16"	3 13/16"	3 15/16"	4 1/16"	4 1/16"	4 1/8"	4 1/8"	4 1/8"	4"	3 15/16"	3 13/16"	3 5/8"	3 7/16"	3 1/4"	3"	2 3/4"	2 7/16"	2 1/8"	1 13/16"	1 1/2"	1 1/8"	3/4"	3/8"	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 2 OF 11

NORTH CAROLINA PROFESSIONAL SEAL 20125 ENGINEER MARSHALL B. CHECK, JR.

Marshall B. Check, Jr.
5FBCC2F3A4DC413...
9/30/2021 | 1:43 PM EDT

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

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

DEAD LOAD DEFLECTIONS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-28
1			3			TOTAL SHEETS
2			4			79

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

9/23/2021
X:\NCDOT\R-2566BA\Structures\Final plans\DGN files\401_057_R-2566BA_SMU_ DL02_S28_940005.dgn
User:sbwilliams