

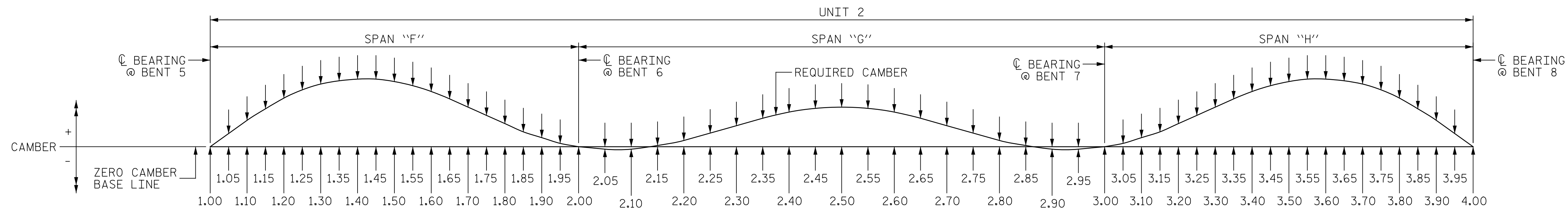
p:\gfn\p-w\ben\ben\p-w\01\Documents\Projects\63639\Task 010 B-4626\Discipline\Struct\Drawn\Rowan 3\Archives\Delete\401_079_B4626_SMU_DL03_790003_038
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UNIT 2 (SPAN "F")																					
GIRDERS 1 & 4																					
20TH POINTS	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	-0.010	-0.020	-0.029	-0.037	-0.043	-0.047	-0.050	-0.051	-0.051	-0.049	-0.046	-0.041	-0.036	-0.029	-0.023	-0.017	-0.011	-0.006	-0.003	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.045	-0.087	-0.126	-0.160	-0.188	-0.208	-0.220	-0.226	-0.224	-0.216	-0.202	-0.183	-0.159	-0.132	-0.104	-0.077	-0.051	-0.030	-0.012	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.011	-0.021	-0.031	-0.039	-0.046	-0.051	-0.054	-0.055	-0.055	-0.053	-0.050	-0.045	-0.039	-0.033	-0.026	-0.019	-0.013	-0.007	-0.003	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.066	-0.128	-0.186	-0.236	-0.277	-0.306	-0.324	-0.332	-0.330	-0.318	-0.298	-0.269	-0.234	-0.194	-0.153	-0.113	-0.075	-0.043	-0.018	0.000
REQUIRED CAMBER	0"	13/16"	19/16"	2 1/4"	2 3/16"	3 5/16"	3 11/16"	3 7/8"	4"	3 5/16"	3 13/16"	3 3/8"	3 1/4"	2 13/16"	2 5/16"	1 13/16"	1 3/8"	7/8"	1/2"	3/16"	0"

UNIT 2 (SPAN "G")																					
GIRDERS 1 & 4																					
20TH POINTS	2.00	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.001	0.001	-0.001	-0.004	-0.008	-0.012	-0.016	-0.019	-0.021	-0.021	-0.021	-0.019	-0.016	-0.012	-0.008	-0.004	-0.001	0.001	0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.007	0.007	0.001	-0.010	-0.024	-0.040	-0.054	-0.066	-0.073	-0.076	-0.073	-0.066	-0.054	-0.040	-0.024	-0.010	0.001	0.007	0.007	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.001	-0.001	-0.005	-0.009	-0.013	-0.017	-0.020	-0.022	-0.023	-0.022	-0.020	-0.017	-0.013	-0.009	-0.005	-0.001	0.001	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.009	0.009	-0.001	-0.019	-0.041	-0.065	-0.087	-0.105	-0.116	-0.120	-0.116	-0.105	-0.087	-0.065	-0.041	-0.019	-0.001	0.009	0.009	0.000
REQUIRED CAMBER	0"	-1/8"	-1/8"	0"	1/4"	1/2"	3/4"	1 1/16"	1 1/4"	1 3/8"	1 1/16"	1 3/8"	1 1/4"	1 1/16"	3/4"	1/2"	1/4"	0"	-1/8"	-1/8"	0"

UNIT 2 (SPAN "H")																					
GIRDERS 1 & 4																					
20TH POINTS	3.00	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50	3.55	3.60	3.65	3.70	3.75	3.80	3.85	3.90	3.95	4.00
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	-0.003	-0.006	-0.011	-0.017	-0.023	-0.029	-0.036	-0.041	-0.046	-0.049	-0.051	-0.051	-0.050	-0.047	-0.043	-0.037	-0.029	-0.020	-0.010	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.012	-0.030	-0.051	-0.077	-0.104	-0.132	-0.159	-0.183	-0.202	-0.216	-0.224	-0.226	-0.220	-0.208	-0.188	-0.160	-0.126	-0.087	-0.045	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.003	-0.007	-0.013	-0.019	-0.026	-0.033	-0.039	-0.045	-0.050	-0.053	-0.055	-0.055	-0.054	-0.051	-0.046	-0.039	-0.031	-0.021	-0.011	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.018	-0.043	-0.075	-0.113	-0.153	-0.194	-0.234	-0.269	-0.298	-0.318	-0.330	-0.332	-0.324	-0.306	-0.277	-0.236	-0.186	-0.128	-0.066	0.000
REQUIRED CAMBER	0"	3/16"	1/2"	7/8"	1 3/8"	1 13/16"	2 5/16"	2 13/16"	3 1/4"	3 9/16"	3 13/16"	3 5/16"	4"	3 7/8"	3 11/16"	3 5/16"	2 13/16"	2 1/4"	1 9/16"	1 3/16"	0"

* = INCLUDES SLAB, BUILDUPS, & S.I.P. FORMS



NOTES

- VALUES GIVEN ARE AT TENTH POINTS BETWEEN CENTERLINE OF BEARINGS.
- DEFLECTIONS AND ORDINATES ARE IN FEET (DECIMAL FORM).
- REQUIRED CAMBER VALUES ARE IN INCHES (FRACTION FORM).
- DOWNWARD DEFLECTION IF INDICATED WITH A "-" SIGN.

PROJECT NO. B-4626
STANLY, ROWAN
AND DAVIDSON COUNTY
 STATION: 45+22.65 -EBL-

SHEET 3 OF 9

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DEAD LOAD DEFLECTION
 AND CAMBER ORDINATES
 UNIT 2
 GIRDERS 1 & 4



DocuSigned by:
 Eric B. Nelson
 9/2/2021

PLANS PREPARED BY:
Gannett Fleming
 Excellence Delivered As Promised
 One Glenwood Avenue
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 Raleigh, NC 27603
 (919) 420-7660
 NC Lic. No. F-0270

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-38
1			3			TOTAL SHEETS
2			4			125

DRAWN BY : T. FORD DATE : 04/2021
 CHECKED BY : J. FARNHAM DATE : 05/2021
 DESIGN ENGINEER OF RECORD: R. NELSON DATE : 05/2021