

p:\gfn\p-w\benfley.com\gfn\p-w\01\Documents\Projects\63639\Task 010 B-4626\Discipline\Struct\DN\Rowan 3\Archives\Delete\401\_077\_B4626\_SMU\_DL02\_790003\_037  
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UNIT 1 (SPAN "A")											
GIRDERS 2, 3, & 4											
10TH POINTS	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	-0.004	-0.007	-0.009	-0.011	-0.010	-0.009	-0.007	-0.004	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.023	-0.043	-0.057	-0.064	-0.063	-0.055	-0.042	-0.026	-0.010	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.005	-0.009	-0.012	-0.013	-0.013	-0.011	-0.009	-0.005	-0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.032	-0.059	-0.078	-0.088	-0.086	-0.075	-0.058	-0.035	-0.014	0.000
REQUIRED CAMBER	0"	3/8"	1 1/16"	1 5/16"	1 1/16"	1 1/16"	7/8"	1 1/16"	7/16"	3/16"	0"

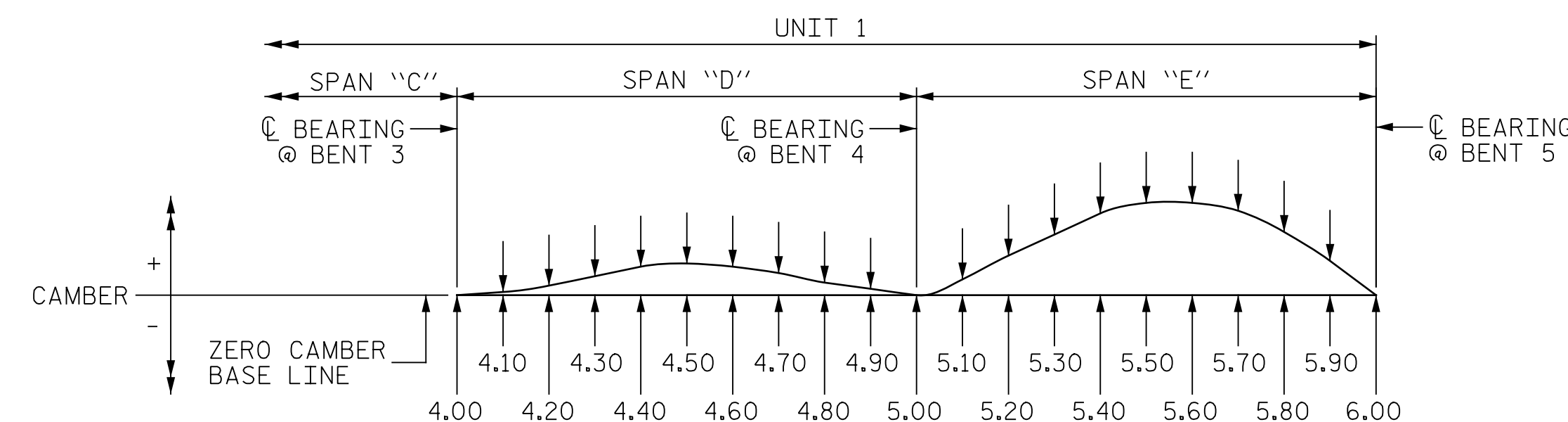
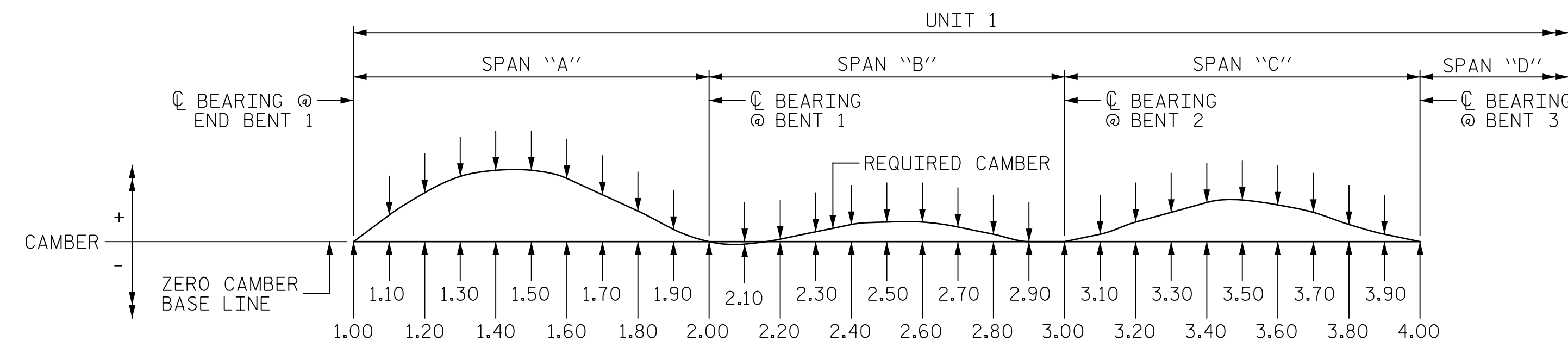
UNIT 1 (SPAN "B")											
GIRDERS 2, 3, & 4											
10TH POINTS	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.000	-0.001	-0.002	-0.003	-0.003	-0.003	-0.002	-0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.001	-0.004	-0.011	-0.016	-0.019	-0.018	-0.014	-0.007	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	-0.001	-0.002	-0.003	-0.004	-0.004	-0.003	-0.002	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.001	-0.006	-0.015	-0.022	-0.026	-0.025	-0.019	-0.010	-0.002	0.000
REQUIRED CAMBER	0"	0"	1/16"	3/16"	1/4"	5/16"	5/16"	1/4"	1/8"	0"	0"

UNIT 1 (SPAN "C")											
GIRDERS 2, 3, & 4											
10TH POINTS	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	-0.001	-0.003	-0.004	-0.005	-0.006	-0.005	-0.004	-0.003	-0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.006	-0.015	-0.025	-0.032	-0.035	-0.032	-0.025	-0.015	-0.006	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.001	-0.003	-0.005	-0.007	-0.007	-0.007	-0.005	-0.003	-0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.008	-0.021	-0.034	-0.044	-0.048	-0.044	-0.034	-0.021	-0.008	0.000
REQUIRED CAMBER	0"	1/8"	1/4"	7/16"	1/2"	3/16"	1/2"	7/16"	1/4"	1/8"	0"

UNIT 1 (SPAN "D")											
GIRDERS 2, 3, & 4											
10TH POINTS	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	5.00
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.000	-0.001	-0.002	-0.003	-0.003	-0.003	-0.002	-0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.001	-0.007	-0.013	-0.018	-0.018	-0.015	-0.010	-0.003	0.002	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	-0.002	-0.003	-0.004	-0.004	-0.003	-0.002	-0.001	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.001	-0.010	-0.018	-0.025	-0.025	-0.021	-0.014	-0.005	0.002	0.000
REQUIRED CAMBER	0"	0"	1/8"	3/16"	5/16"	5/16"	1/4"	3/16"	1/16"	0"	0"

UNIT 1 (SPAN "E")											
GIRDERS 2, 3, & 4											
10TH POINTS	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	6.00
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	-0.002	-0.005	-0.007	-0.010	-0.011	-0.011	-0.010	-0.008	-0.004	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.011	-0.028	-0.045	-0.059	-0.067	-0.068	-0.060	-0.046	-0.025	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.002	-0.006	-0.009	-0.012	-0.014	-0.014	-0.012	-0.009	-0.005	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.015	-0.039	-0.061	-0.081	-0.092	-0.093	-0.082	-0.063	-0.034	0.000
REQUIRED CAMBER	0"	3/16"	7/16"	3/4"	1"	1 1/8"	1 1/8"	1"	3/4"	7/16"	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 2 OF 9



DocuSigned by:  
 Eric B. Nelson 9/2/2021  
 1628032119274CD

PLANS PREPARED BY:  
**Gannett Fleming**  
 Excellence Delivered As Promised  
 One Glenwood Avenue  
 Suite 900  
 Raleigh, NC 27603  
 (919) 420-7660  
 NC Lic. No. F-0270

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
DEAD LOAD DEFLECTION AND CAMBER ORDINATES UNIT 1 GIRDERS 2, 3, & 4					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

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

SHEET NO.  
S1-37  
 TOTAL SHEETS  
125