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UNIT 3 (SPAN "I")											
GIRDER 2											
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	-0.008	-0.010	-0.011	-0.011	-0.010	-0.007	-0.005	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.021	-0.040	-0.053	-0.059	-0.059	-0.051	-0.039	-0.024	-0.010	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.005	-0.009	-0.012	-0.014	-0.014	-0.012	-0.009	-0.006	-0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.030	-0.057	-0.075	-0.084	-0.084	-0.073	-0.055	-0.035	-0.014	0.000
REQUIRED CAMBER	0"	3/8"	1 1/16"	7/8"	1"	1"	7/8"	1 1/16"	7/16"	3/16"	0"

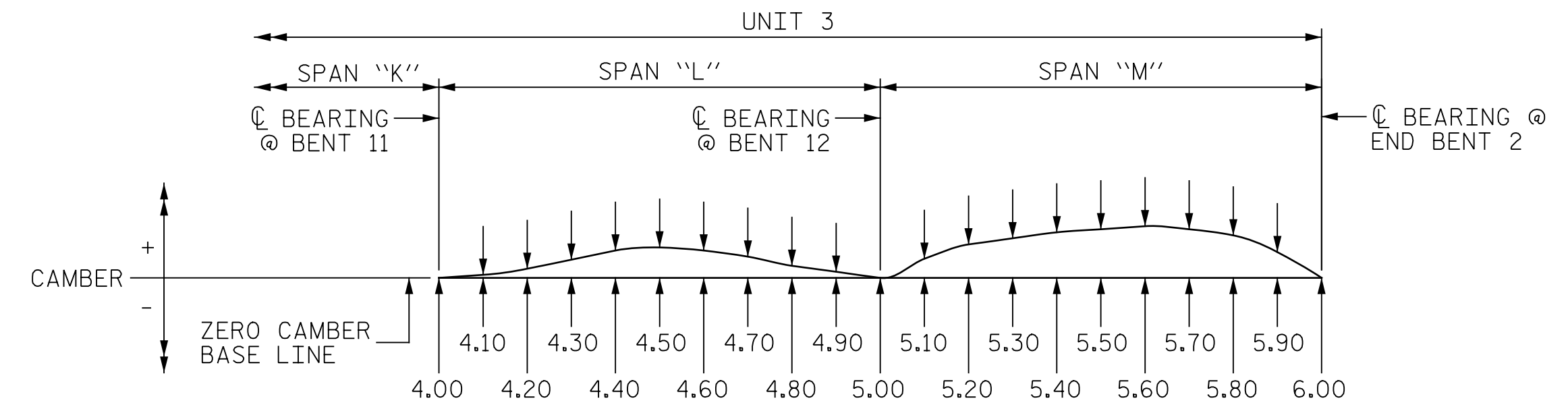
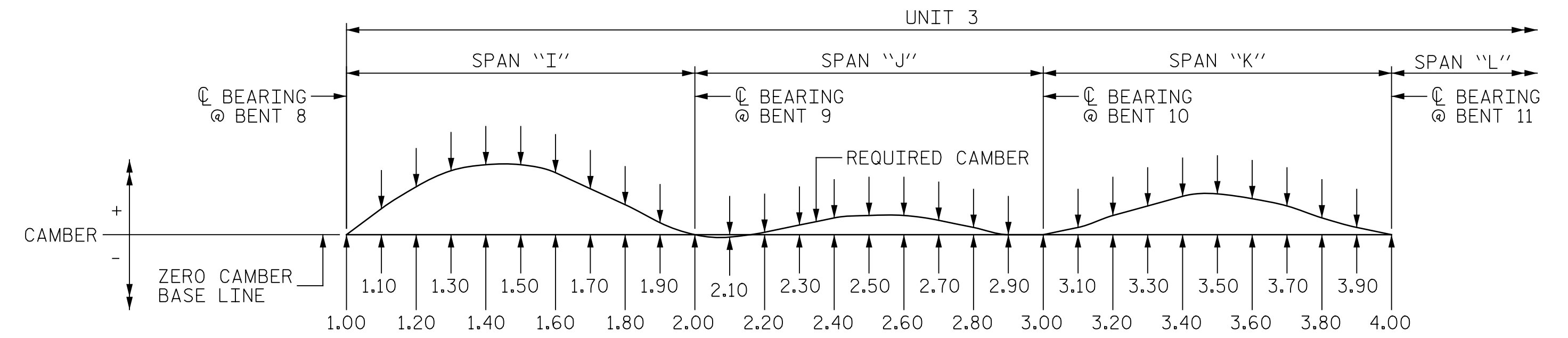
UNIT 3 (SPAN "J")											
GIRDER 2											
10TH POINTS	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.000	-0.001	-0.002	-0.003	-0.003	-0.003	-0.002	-0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.002	-0.002	-0.008	-0.013	-0.015	-0.014	-0.011	-0.006	-0.001	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	0.002	-0.004	-0.012	-0.019	-0.022	-0.021	-0.016	-0.009	-0.001	0.000
REQUIRED CAMBER	0"	0"	1/16"	1/8"	1/4"	1/4"	1/4"	3/16"	1/8"	0"	0"

UNIT 3 (SPAN "K")											
GIRDER 2											
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	-0.002	-0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.006	-0.016	-0.025	-0.032	-0.034	-0.031	-0.024	-0.014	-0.005	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.001	-0.003	-0.005	-0.007	-0.006	-0.006	-0.005	-0.003	-0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.008	-0.022	-0.034	-0.044	-0.047	-0.042	-0.033	-0.019	-0.007	0.000
REQUIRED CAMBER	0"	1/8"	1/4"	7/16"	1/2"	3/16"	1/2"	3/8"	1/4"	1/16"	0"

UNIT 3 (SPAN "L")											
GIRDER 2											
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	-0.004	-0.003	-0.003	-0.001	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.003	-0.011	-0.019	-0.025	-0.027	-0.025	-0.018	-0.010	-0.003	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	-0.002	-0.003	-0.004	-0.004	-0.004	-0.003	-0.002	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.003	-0.014	-0.024	-0.032	-0.035	-0.032	-0.024	-0.013	-0.003	0.000
REQUIRED CAMBER	0"	1/16"	3/16"	5/16"	3/8"	7/16"	3/8"	5/16"	1/8"	1/16"	0"

UNIT 3 (SPAN "M")											
GIRDER 2											
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	-0.001	-0.002	-0.003	-0.004	-0.005	-0.005	-0.004	-0.003	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.005	-0.013	-0.023	-0.031	-0.037	-0.037	-0.034	-0.026	-0.014	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.001	-0.002	-0.004	-0.005	-0.006	-0.006	-0.005	-0.004	-0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.007	-0.017	-0.030	-0.040	-0.048	-0.048	-0.043	-0.033	-0.018	0.000
REQUIRED CAMBER	0"	1/16"	3/16"	3/8"	1/2"	9/16"	9/16"	1/2"	3/8"	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 6 OF 9



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

PLANS PREPARED BY:  
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 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 3 GIRDER 2					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S1-41  
TOTAL SHEETS 125

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