

NOTES
 VALUES GIVEN ARE AT TWENTIETH POINTS BETWEEN CENTERLINE OF BEARINGS.
 DEFLECTIONS AND ORDINATES ARE IN FEET (DECIMAL FORM).
 REQUIRED CAMBER VALUES ARE IN INCHES (FRACTION FORM).
 VERTICAL CURVE ORDINATES WERE DETERMINED USING THE BEST INFORMATION AVAILABLE AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL SURVEY THE EXISTING STRUCTURE AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIALS.
 DOWNWARD DEFLECTION IS INDICATED WITH A "-" SIGN.

SPAN A																					
BEAM 6																					
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	-0.002	-0.004	-0.007	-0.008	-0.010	-0.012	-0.013	-0.014	-0.014	-0.014	-0.014	-0.014	-0.013	-0.012	-0.010	-0.008	-0.007	-0.004	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.009	-0.018	-0.026	-0.034	-0.040	-0.046	-0.051	-0.054	-0.056	-0.057	-0.056	-0.054	-0.050	-0.046	-0.040	-0.034	-0.026	-0.018	-0.009	0.000
DEFLECTION DUE TO WT. OF BARRIER RAIL	0.000	-0.001	-0.003	-0.004	-0.005	-0.006	-0.007	-0.008	-0.008	-0.009	-0.009	-0.009	-0.008	-0.008	-0.007	-0.006	-0.005	-0.004	-0.003	-0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.013	-0.025	-0.037	-0.047	-0.057	-0.065	-0.071	-0.076	-0.079	-0.080	-0.079	-0.076	-0.071	-0.065	-0.057	-0.047	-0.036	-0.025	-0.013	0.000
VERTICAL CURVE ORDINATE	0.000	0.003	0.007	0.010	0.013	0.017	0.020	0.023	0.027	0.030	0.031	0.029	0.028	0.026	0.024	0.021	0.018	0.014	0.010	0.005	0.000
REQUIRED CAMBER	0"	0 ³ / ₁₆ "	0 ³ / ₈ "	0 ⁹ / ₁₆ "	0 ³ / ₄ "	0 ⁷ / ₈ "	1"	1 ¹ / ₈ "	1 ¹ / ₄ "	1 ⁵ / ₁₆ "	1 ⁵ / ₁₆ "	1 ⁵ / ₁₆ "	1 ¹ / ₄ "	1 ³ / ₁₆ "	1 ¹ / ₁₆ "	0 ¹⁵ / ₁₆ "	0 ³ / ₄ "	0 ⁵ / ₈ "	0 ⁷ / ₁₆ "	0 ³ / ₁₆ "	0"

SPAN A																					
BEAM 7																					
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	-0.002	-0.004	-0.007	-0.008	-0.010	-0.012	-0.013	-0.014	-0.014	-0.014	-0.014	-0.014	-0.013	-0.012	-0.010	-0.008	-0.007	-0.004	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.013	-0.026	-0.038	-0.049	-0.059	-0.068	-0.074	-0.079	-0.082	-0.083	-0.082	-0.079	-0.074	-0.068	-0.059	-0.049	-0.038	-0.026	-0.013	0.000
DEFLECTION DUE TO WT. OF BARRIER RAIL	0.000	-0.001	-0.002	-0.004	-0.005	-0.005	-0.006	-0.007	-0.007	-0.008	-0.008	-0.008	-0.007	-0.007	-0.006	-0.005	-0.005	-0.003	-0.002	-0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.017	-0.033	-0.049	-0.062	-0.075	-0.085	-0.094	-0.100	-0.104	-0.105	-0.104	-0.100	-0.094	-0.085	-0.075	-0.062	-0.048	-0.033	-0.017	0.000
VERTICAL CURVE ORDINATE	0.000	0.002	0.005	0.007	0.010	0.012	0.014	0.017	0.019	0.021	0.024	0.026	0.027	0.025	0.023	0.020	0.017	0.014	0.009	0.005	0.000
REQUIRED CAMBER	0"	0 ¹ / ₄ "	0 ⁷ / ₁₆ "	0 ¹¹ / ₁₆ "	0 ⁷ / ₈ "	1 ¹ / ₁₆ "	1 ³ / ₁₆ "	1 ⁵ / ₁₆ "	1 ⁷ / ₁₆ "	1 ¹ / ₂ "	1 ⁹ / ₁₆ "	1 ⁹ / ₁₆ "	1 ¹ / ₂ "	1 ⁷ / ₁₆ "	1 ⁵ / ₁₆ "	1 ¹ / ₈ "	0 ¹⁵ / ₁₆ "	0 ³ / ₄ "	0 ¹ / ₂ "	0 ¹ / ₄ "	0"

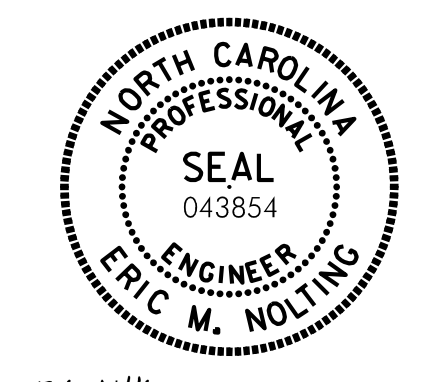
SPAN A																					
BEAM 8																					
20TH POINTS	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	-0.002	-0.004	-0.007	-0.008	-0.010	-0.012	-0.013	-0.014	-0.014	-0.014	-0.014	-0.014	-0.013	-0.012	-0.010	-0.008	-0.007	-0.004	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.013	-0.026	-0.038	-0.049	-0.059	-0.068	-0.074	-0.079	-0.082	-0.083	-0.082	-0.079	-0.074	-0.068	-0.059	-0.049	-0.038	-0.026	-0.013	0.000
DEFLECTION DUE TO WT. OF BARRIER RAIL	0.000	-0.001	-0.002	-0.004	-0.005	-0.005	-0.006	-0.007	-0.007	-0.008	-0.008	-0.008	-0.007	-0.007	-0.006	-0.005	-0.005	-0.003	-0.002	-0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.017	-0.033	-0.049	-0.062	-0.075	-0.085	-0.094	-0.100	-0.104	-0.105	-0.104	-0.100	-0.094	-0.085	-0.075	-0.062	-0.048	-0.033	-0.017	0.000
VERTICAL CURVE ORDINATE	0.000	0.002	0.003	0.005	0.006	0.008	0.009	0.011	0.012	0.014	0.016	0.017	0.019	0.020	0.022	0.019	0.016	0.013	0.009	0.005	0.000
REQUIRED CAMBER	0"	0 ¹ / ₄ "	0 ⁷ / ₁₆ "	0 ⁵ / ₈ "	0 ¹³ / ₁₆ "	1"	1 ¹ / ₈ "	1 ¹ / ₄ "	1 ³ / ₈ "	1 ⁷ / ₁₆ "	1 ⁷ / ₁₆ "	1 ⁷ / ₁₆ "	1 ⁷ / ₁₆ "	1 ³ / ₈ "	1 ⁵ / ₁₆ "	1 ¹ / ₈ "	0 ¹⁵ / ₁₆ "	0 ³ / ₄ "	0 ¹ / ₂ "	0 ¹ / ₄ "	0"

SPAN A																					
BEAM 9																					
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	-0.002	-0.004	-0.007	-0.008	-0.010	-0.012	-0.013	-0.014	-0.014	-0.014	-0.014	-0.014	-0.013	-0.012	-0.010	-0.008	-0.007	-0.004	-0.002	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.011	-0.021	-0.031	-0.040	-0.048	-0.055	-0.060	-0.064	-0.066	-0.067	-0.066	-0.064	-0.060	-0.055	-0.048	-0.040	-0.031	-0.021	-0.011	0.000
DEFLECTION DUE TO WT. OF BARRIER RAIL	0.000	-0.002	-0.003	-0.005	-0.006	-0.008	-0.009	-0.010	-0.010	-0.011	-0.011	-0.011	-0.010	-0.010	-0.009	-0.008	-0.006	-0.005	-0.003	-0.002	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.015	-0.029	-0.043	-0.055	-0.066	-0.075	-0.083	-0.088	-0.091	-0.092	-0.091	-0.088	-0.083	-0.075	-0.066	-0.055	-0.042	-0.029	-0.015	0.000
VERTICAL CURVE ORDINATE	0.000	0.001	0.002	0.003	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.009	0.010	0.011	0.012	0.013	0.014	0.012	0.008	0.004	0.000
REQUIRED CAMBER	0"	0 ³ / ₁₆ "	0 ³ / ₈ "	0 ⁹ / ₁₆ "	0 ¹¹ / ₁₆ "	0 ¹³ / ₁₆ "	0 ¹⁵ / ₁₆ "	1 ¹ / ₁₆ "	1 ¹ / ₈ "	1 ³ / ₁₆ "	1 ³ / ₁₆ "	1 ³ / ₁₆ "	1 ³ / ₁₆ "	1 ¹ / ₈ "	1 ¹ / ₁₆ "	0 ¹⁵ / ₁₆ "	0 ¹³ / ₁₆ "	0 ⁵ / ₈ "	0 ⁷ / ₁₆ "	0 ¹ / ₄ "	0"

* = INCLUDES SLAB, BUILDUPS, AND STAY-IN-PLACE FORMS.

PROJECT NO. B-3186/B-5898
HAYWOOD COUNTY
 STATION: 68+65.75 ± -L-RT-

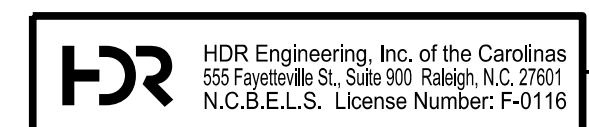
SHEET 1 OF 3



Eric M. Nolting 1/25/2022

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 DEAD LOAD DEFLECTION
 AND CAMBER ORDINATES
 SPAN A

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS	
1	--	--	3	--	--	61	
2	--	--	4	--	--	61	



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLOT DRIVER: NCDOT_STRUCTURES_DEFAULT_PLOTTER.plt
 USER: PETERSON DATE: 1/24/2022
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 PENTABLE: NCDOT_STRUCTURES_DEFAULT_PEN.tbl
 TIME: 2:38:03 PM

DES BY: <u>E. NOLTING</u>	DATE: <u>05/21</u>	DWG BY: <u>B. PETERSON</u>	DATE: <u>06/21</u>
DES CHK: <u>B. ROGERS</u>	DATE: <u>06/21</u>	CHK BY: <u>B. ROGERS</u>	DATE: <u>06/21</u>