

SPAN A																					
BEAM 1																					
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	0.000	0.000	-0.001	-0.001	-0.001	-0.001	-0.001	-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
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.001	-0.002	-0.003	-0.004	-0.004	-0.005	-0.005	-0.005	-0.004	-0.004	-0.003	-0.002	-0.001	0.000	0.000	0.001	0.002	0.002	0.001	0.000
DEFLECTION DUE TO WT. OF BARRIER RAIL	0.000	0.000	0.000	0.000	-0.001	-0.001	-0.001	-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	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.001	-0.003	-0.004	-0.005	-0.006	-0.006	-0.006	-0.006	-0.006	-0.005	-0.004	-0.003	-0.002	0.000	0.001	0.001	0.002	0.002	0.002	0.000
VERTICAL CURVE ORDINATE	0.000	0.001	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.003	0.003	0.002	0.001	0.000

SPAN A																					
BEAMS 2 AND 3																					
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	0.000	0.000	-0.001	-0.001	-0.001	-0.001	-0.001	-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
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.001	-0.002	-0.003	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.004	-0.003	-0.002	-0.001	0.000	0.001	0.001	0.002	0.002	0.002	0.000
DEFLECTION DUE TO WT. OF BARRIER RAIL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.002	-0.003	-0.004	-0.005	-0.006	-0.007	-0.007	-0.006	-0.006	-0.005	-0.004	-0.003	-0.002	-0.001	0.001	0.002	0.002	0.002	0.002	0.000
VERTICAL CURVE ORDINATE	0.000	0.001	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.003	0.003	0.002	0.001	0.000

SPAN A																					
BEAM 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	0.000	0.000	-0.001	-0.001	-0.001	-0.001	-0.001	-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
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.001	-0.002	-0.002	-0.003	-0.003	-0.003	-0.004	-0.003	-0.003	-0.003	-0.002	-0.002	-0.001	0.000	0.000	0.001	0.001	0.001	0.001	0.000
DEFLECTION DUE TO WT. OF BARRIER RAIL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.001	-0.002	-0.003	-0.004	-0.005	-0.005	-0.005	-0.005	-0.004	-0.004	-0.003	-0.002	-0.001	0.000	0.001	0.001	0.002	0.002	0.002	0.000
VERTICAL CURVE ORDINATE	0.000	0.001	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.003	0.003	0.002	0.001	0.000

SPAN B																					
BEAM 1																					
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	-0.003	-0.004	-0.005	-0.005	-0.006	-0.007	-0.007	-0.007	-0.007	-0.007	-0.006	-0.005	-0.004	-0.003	-0.002	-0.001	-0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.003	-0.007	-0.012	-0.017	-0.022	-0.027	-0.030	-0.033	-0.035	-0.036	-0.035	-0.033	-0.030	-0.026	-0.022	-0.017	-0.012	-0.007	-0.003	0.000
DEFLECTION DUE TO WT. OF BARRIER RAIL	0.000	0.000	-0.001	-0.002	-0.003	-0.003	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.004	-0.004	-0.004	-0.003	-0.003	-0.002	-0.001	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.004	-0.010	-0.016	-0.023	-0.030	-0.036	-0.041	-0.045	-0.047	-0.048	-0.047	-0.045	-0.041	-0.036	-0.029	-0.023	-0.016	-0.009	-0.004	0.000
VERTICAL CURVE ORDINATE	0.000	0.002	0.005	0.006	0.008	0.009	0.011	0.011	0.012	0.012	0.013	0.012	0.012	0.011	0.011	0.009	0.008	0.006	0.004	0.002	0.000

SPAN B																					
BEAMS 2 AND 3																					
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	-0.003	-0.004	-0.005	-0.005	-0.006	-0.007	-0.007	-0.007	-0.007	-0.007	-0.006	-0.005	-0.004	-0.003	-0.002	-0.001	-0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.004	-0.008	-0.014	-0.019	-0.025	-0.030	-0.034	-0.037	-0.039	-0.040	-0.039	-0.037	-0.034	-0.030	-0.024	-0.019	-0.013	-0.008	-0.003	0.000
DEFLECTION DUE TO WT. OF BARRIER RAIL	0.000	0.000	-0.001	-0.001	-0.002	-0.002	-0.003	-0.003	-0.004	-0.004	-0.004	-0.004	-0.004	-0.003	-0.003	-0.002	-0.002	-0.001	-0.001	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.005	-0.010	-0.017	-0.025	-0.032	-0.038	-0.044	-0.048	-0.050	-0.051	-0.050	-0.048	-0.043	-0.038	-0.031	-0.024	-0.017	-0.010	-0.004	0.000
VERTICAL CURVE ORDINATE	0.000	0.002	0.005	0.006	0.008	0.009	0.011	0.011	0.012	0.012	0.013	0.012	0.012	0.011	0.011	0.009	0.008	0.006	0.005	0.002	0.000

SPAN B																					
BEAM 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	-0.003	-0.004	-0.005	-0.005	-0.006	-0.007	-0.007	-0.007	-0.007	-0.007	-0.006	-0.005	-0.004	-0.003	-0.002	-0.001	-0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.002	-0.005	-0.009	-0.013	-0.017	-0.020	-0.023	-0.026	-0.027	-0.027	-0.027	-0.026	-0.023	-0.020	-0.017	-0.013	-0.009	-0.005	-0.002	0.000
DEFLECTION DUE TO WT. OF BARRIER RAIL	0.000	0.000	-0.001	-0.001	-0.002	-0.002	-0.003	-0.003	-0.003	-0.004	-0.004	-0.004	-0.003	-0.003	-0.003	-0.002	-0.002	-0.001	-0.001	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.003	-0.008	-0.013	-0.018	-0.024	-0.029	-0.033	-0.036	-0.038	-0.038	-0.038	-0.036	-0.032	-0.028	-0.023	-0.018	-0.012	-0.008	-0.003	0.000
VERTICAL CURVE ORDINATE	0.000	0.002	0.005	0.006	0.008	0.009	0.011	0.011	0.012	0.012	0.013	0.012	0.012	0.011	0.011	0.009	0.008	0.006	0.005	0.002	0.000

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

NOTES

VALUES GIVEN ARE AT TWENTIETH POINTS BETWEEN CENTERLINE OF BEARINGS.

DEFLECTIONS AND ORDINATES ARE IN FEET (DECIMAL FORM).

NO SHOP CAMBER REQUIRED, TURN NATURAL MILL CAMBER UP.

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.

PROJECT NO. B-3186/B-5898

HAYWOOD COUNTY

STATION: 68+82.30 ± -L-LT-

SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**SUPERSTRUCTURE
DEAD LOAD DEFLECTION
SPANS A AND B**



Eric Nolting 1/24/2022

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1	--	--	3	--	--
2	--	--	4	--	--

SHEET NO. SO3L-20

TOTAL SHEETS 44

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>



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLOT DRIVER: NCDOT_STRUCTURE_DEFAULT_PLOTTER.plt PENTABLE: NCDOT_STRUCTURE_DEFAULT_PEN.tbl
 USER: PPETERSO DATE: 1/24/2022 TIME: 1:46:28 PM
 FILE: ... \403.095.B5898B3186.SMU.BG.020.430110.dgn