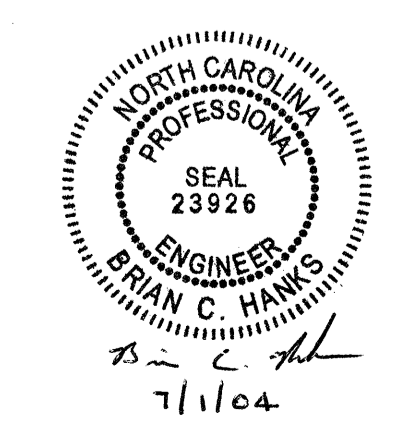


DEAD LOAD DEFLECTION TABLE FOR SPAN "A" GIRDERS											
GIRDERS A1 THRU A5											
TENTH POINTS	BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.001	0.001	0.002	0.002	0.003	0.002	0.002	0.001	0.001	0.000
*DEFLECTION DUE TO WEIGHT OF SLAB	0.000	0.005	0.010	0.014	0.016	0.017	0.016	0.014	0.010	0.005	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.006	0.012	0.017	0.019	0.021	0.019	0.017	0.012	0.006	0.000
VERTICAL CURVE ORDINATE	0.000	0.003	0.005	0.006	0.007	0.007	0.007	0.006	0.005	0.003	0.000
ORDINATE DUE TO SUPERELEVATION	0.000	-0.002	-0.004	-0.005	-0.005	-0.006	-0.005	-0.005	-0.004	-0.002	0.000
REQUIRED CAMBER	0	7	13	18	21	22	21	18	13	7	0

DEAD LOAD DEFLECTION TABLE FOR SPAN "C" GIRDERS											
GIRDERS C1 THRU C5											
TENTH POINTS	BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
*DEFLECTION DUE TO WEIGHT OF SLAB	0.000	0.002	0.004	0.005	0.006	0.007	0.006	0.005	0.004	0.002	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.002	0.005	0.006	0.008	0.009	0.008	0.006	0.005	0.002	0.000
VERTICAL CURVE ORDINATE	0.000	0.002	0.003	0.004	0.004	0.005	0.004	0.004	0.003	0.002	0.000
ORDINATE DUE TO SUPERELEVATION	0.000	-0.001	-0.002	-0.003	-0.004	-0.004	-0.004	-0.003	-0.002	-0.001	0.000
REQUIRED CAMBER	0	3	6	7	8	10	8	7	6	3	0

DEAD LOAD DEFLECTION TABLE FOR SPAN "B" GIRDERS																					
GIRDER B1																					
TWENTIETH POINTS	BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.003	0.006	0.008	0.010	0.012	0.014	0.015	0.017	0.017	0.017	0.017	0.017	0.015	0.014	0.012	0.010	0.008	0.006	0.003	0.000
*DEFLECTION DUE TO WEIGHT OF SLAB	0.000	0.014	0.028	0.042	0.054	0.064	0.073	0.081	0.086	0.089	0.090	0.089	0.086	0.081	0.073	0.064	0.054	0.042	0.028	0.014	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.006	0.006	0.006	0.005	0.004	0.003	0.002	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.018	0.036	0.053	0.068	0.081	0.093	0.102	0.109	0.113	0.114	0.113	0.109	0.102	0.093	0.081	0.068	0.053	0.036	0.018	0.000
VERTICAL CURVE ORDINATE	0.000	0.004	0.007	0.010	0.013	0.015	0.016	0.018	0.019	0.019	0.020	0.019	0.019	0.018	0.016	0.015	0.013	0.010	0.007	0.004	0.000
ORDINATE DUE TO SUPERELEVATION	0.000	-0.003	-0.006	-0.008	-0.010	-0.012	-0.013	-0.014	-0.015	-0.015	-0.015	-0.015	-0.015	-0.014	-0.013	-0.012	-0.010	-0.008	-0.006	-0.003	0.000
REQUIRED CAMBER	0	19	37	55	71	84	96	106	113	117	119	117	113	106	96	84	71	55	37	19	0
GIRDERS B2 THRU B4																					
TWENTIETH POINTS	BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.003	0.005	0.008	0.010	0.012	0.014	0.015	0.016	0.017	0.017	0.017	0.016	0.015	0.014	0.012	0.010	0.008	0.005	0.003	0.000
*DEFLECTION DUE TO WEIGHT OF SLAB	0.000	0.015	0.030	0.044	0.057	0.068	0.078	0.086	0.091	0.095	0.096	0.095	0.091	0.086	0.078	0.068	0.057	0.044	0.030	0.015	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.002	0.003	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.004	0.003	0.002	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.019	0.037	0.055	0.071	0.085	0.097	0.106	0.113	0.118	0.119	0.118	0.113	0.106	0.097	0.085	0.071	0.055	0.037	0.019	0.000
VERTICAL CURVE ORDINATE	0.000	0.004	0.007	0.010	0.012	0.015	0.016	0.018	0.019	0.019	0.019	0.019	0.019	0.018	0.016	0.014	0.012	0.010	0.007	0.004	0.000
ORDINATE DUE TO SUPERELEVATION	0.000	-0.003	-0.006	-0.008	-0.010	-0.011	-0.013	-0.014	-0.015	-0.015	-0.015	-0.015	-0.015	-0.014	-0.013	-0.011	-0.010	-0.008	-0.006	-0.003	0.000
REQUIRED CAMBER	0	20	38	57	73	89	100	110	117	122	123	122	117	110	100	88	73	57	38	20	0
GIRDER B5																					
TWENTIETH POINTS	BRG.	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	BRG.
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.003	0.005	0.008	0.010	0.012	0.014	0.015	0.016	0.017	0.017	0.017	0.016	0.015	0.014	0.012	0.010	0.008	0.005	0.003	0.000
*DEFLECTION DUE TO WEIGHT OF SLAB	0.000	0.014	0.029	0.042	0.054	0.065	0.074	0.082	0.087	0.091	0.092	0.091	0.087	0.082	0.074	0.065	0.054	0.042	0.029	0.014	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.001	0.002	0.003	0.004	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.004	0.003	0.002	0.001	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.018	0.036	0.053	0.068	0.082	0.093	0.103	0.109	0.114	0.115	0.114	0.109	0.103	0.093	0.082	0.068	0.053	0.036	0.018	0.000
VERTICAL CURVE ORDINATE	0.000	0.004	0.007	0.010	0.012	0.014	0.016	0.017	0.018	0.018	0.019	0.018	0.018	0.017	0.016	0.014	0.012	0.009	0.007	0.004	0.000
ORDINATE DUE TO SUPERELEVATION	0.000	-0.003	-0.005	-0.008	-0.010	-0.011	-0.013	-0.014	-0.014	-0.015	-0.015	-0.015	-0.014	-0.014	-0.013	-0.011	-0.010	-0.008	-0.005	-0.003	0.000
REQUIRED CAMBER	0	19	38	55	70	85	96	106	113	117	119	117	113	106	96	85	70	54	38	19	0

PROJECT NO. B-1019  
ANSON COUNTY  
 STATION: 14+94.156 -L-



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUPERSTRUCTURE DEAD LOAD DEFLECTIONS					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					SHEET NO. S-17
					TOTAL SHEETS 35

\* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.  
 ALL VALUES ARE SHOWN IN METERS, EXCEPT "REQUIRED CAMBER" WHICH IS SHOWN IN MILLIMETERS.