NOTES:

VERTICAL CURVE ORDINATE AND SUPERELEVATION ORDINATE ARE ZERO AND NOT SHOWN IN TABLE.

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN A — GIRDER 1

TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	-0.004	-0.007	-0.010	-0.013	-0.015	-0.016	-0.017	-0.017	-0.017	-0.016	-0.014	-0.012	-0.010	-0.007	-0.005	-0.003	-0.001	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.017	-0.031	-0.045	-0.056	-0.065	-0.070	-0.074	-0.074	-0.071	-0.066	-0.059	-0.049	-0.039	-0.029	-0.019	-0.010	-0.004	0.001	0.002	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.002	-0.004	-0.005	-0.006	-0.007	-0.008	-0.008	-0.009	-0.009	-0.008	-0.008	-0.007	-0.006	-0.005	-0.004	-0.003	-0.002	-0.001	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.023	-0.042	-0.060	-0.076	-0.087	-0.095	-0.099	-0.100	-0.096	-0.089	-0.080	-0.068	-0.055	-0.041	-0.027	-0.015	-0.007	0.000	0.002	0.000
REQUIRED CAMBER	0	1/4	1/2	3/4	15/16	1 1/16	1 1/8	1 3/16	1 3/16	1 1/8	1 1/16	15/16	13/16	5/8	1/2	5/16	3/16	1/16	0	0	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN A — GIRDER 2

TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	-0.004	-0.007	-0.011	-0.013	-0.015	-0.017	-0.017	-0.017	-0.017	-0.016	-0.014	-0.012	-0.010	-0.007	-0.005	-0.003	-0.001	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.017	-0.033	-0.047	-0.058	-0.068	-0.074	-0.077	-0.077	-0.075	-0.069	-0.062	-0.052	-0.042	-0.031	-0.020	-0.011	-0.004	0.000	0.002	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.001	-0.003	-0.004	-0.005	-0.006	-0.006	-0.007	-0.007	-0.007	-0.006	-0.006	-0.005	-0.004	-0.003	-0.002	-0.001	-0.001	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.022	-0.043	-0.061	-0.077	-0.089	-0.097	-0.101	-0.101	-0.098	-0.091	-0.081	-0.069	-0.056	-0.041	-0.027	-0.015	-0.006	0.000	0.002	0.000
REQUIRED CAMBER	0	1/4	1/2	3/4	15/16	1 1/16	1 3/16	1 3/16	1 3/16	1 3/16	1 1/8	1	13/16	11/16	1/2	5/16	3/16	1/16	0	0	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN A — GIRDER 3

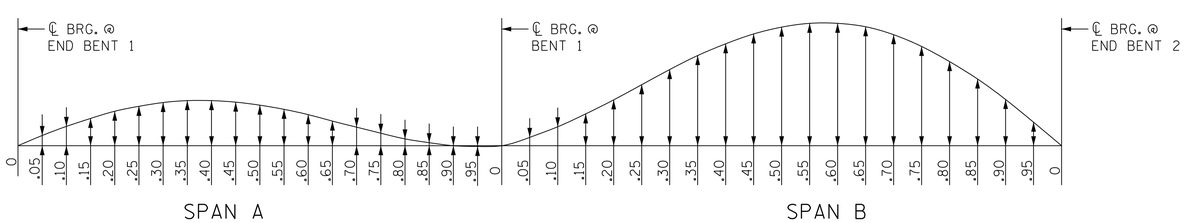
TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	-0.004	-0.007	-0.011	-0.013	-0.015	-0.017	-0.018	-0.018	-0.017	-0.016	-0.014	-0.012	-0.010	-0.007	-0.005	-0.003	-0.001	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.018	-0.034	-0.048	-0.060	-0.070	-0.077	-0.080	-0.080	-0.077	-0.071	-0.064	-0.054	-0.044	-0.032	-0.022	-0.012	-0.005	0.000	0.002	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.001	-0.003	-0.004	-0.005	-0.006	-0.007	-0.007	-0.007	-0.007	-0.006	-0.006	-0.005	-0.004	-0.003	-0.002	-0.001	0.000	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.023	-0.044	-0.063	-0.079	-0.091	-0.100	-0.104	-0.104	-0.100	-0.093	-0.084	-0.071	-0.057	-0.042	-0.028	-0.016	-0.006	0.000	0.002	0.000
REQUIRED CAMBER	0	1/4	1/2	3/4	15/16	1 1/16	1 3/16	1 1/4	1 1/4	1 3/16	1 1/8	1	7/8	11/16	1/2	5/16	3/16	1/16	0	0	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN A — GIRDER 4

TWENTIETH POINTS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	-0.004	-0.008	-0.011	-0.014	-0.016	-0.017	-0.018	-0.018	-0.018	-0.016	-0.014	-0.012	-0.010	-0.007	-0.005	-0.003	-0.001	0.000	0.000	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.018	-0.035	-0.049	-0.061	-0.072	-0.078	-0.082	-0.082	-0.079	-0.073	-0.065	-0.055	-0.044	-0.033	-0.022	-0.012	-0.005	0.000	0.001	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.002	-0.004	-0.005	-0.007	-0.008	-0.008	-0.009	-0.009	-0.009	-0.008	-0.007	-0.006	-0.005	-0.004	-0.003	-0.002	-0.001	0.000	0.000	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.024	-0.046	-0.065	-0.082	-0.095	-0.104	-0.108	-0.109	-0.105	-0.097	-0.087	-0.074	-0.059	-0.044	-0.029	-0.016	-0.006	0.000	0.001	0.000
REQUIRED CAMBER	0	5/16	9/16	13/16	1	1 1/8	1 1/4	1 5/16	1 5/16	1 1/4	1 3/16	1 1/16	7/8	11/16	1/2	3/8	3/16	1/16	0	0	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).



SCHEMATIC CAMBER ORDINATES

PROJECT NO. U-2579B
FORSYTH COUNTY
STATION: 44+08.64 -Y4RPBD-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

DEAD LOAD DEFLECTION
SPAN A

DESIGNED BY:	B. LOFLIN	DATE :	APR 2014
DRAWN BY:	R. KHARWA	DATE :	APR 2014
CHECKED BY:	J. DOUGHTY	DATE :	APR 2014
DESIGN ENGINEER OF RECORD:	J. DOUGHTY	DATE :	MAY 2014

PARSONS BRINCKERHOFF
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
LICENSE NO. F-0165

NORTH CAROLINA PROFESSIONAL SEAL 032967 ENGINEER JASON R. DOUGHTY
DocuSigned by: Jason R Doughty 00F1C86448274F7... 6/2/2014

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-563
1			3					TOTAL SHEETS
2			4					707

STR. #15

6/2/2014
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