NOTES:

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

FOR SCHEMATIC CAMBER ORDINATES, SEE DEAD LOAD DEFLECTION - SPAN A SHEET.

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN B

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	-0.003	-0.007	-0.012	-0.017	-0.023	-0.029	-0.034	-0.038	-0.042	-0.044	-0.046	-0.046	-0.045	-0.042	-0.037	-0.031	-0.025	-0.017	-0.009	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.014	-0.031	-0.053	-0.076	-0.102	-0.127	-0.150	-0.170	-0.186	-0.198	-0.204	-0.204	-0.198	-0.185	-0.165	-0.140	-0.111	-0.076	-0.039	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.001	-0.003	-0.005	-0.007	-0.010	-0.012	-0.014	-0.016	-0.018	-0.019	-0.020	-0.020	-0.019	-0.018	-0.016	-0.014	-0.011	-0.008	-0.004	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.018	-0.042	-0.070	-0.101	-0.134	-0.168	-0.198	-0.225	-0.246	-0.261	-0.269	-0.269	-0.262	-0.244	-0.218	-0.185	-0.147	-0.101	-0.052	0.000
REQUIRED CAMBER	0	3/16	1/2	13/16	1 3/16	1 5/8	2	2 3/8	2 11/16	2 15/16	3 1/8	3 1/4	3 1/4	3 1/8	2 15/16	2 5/8	2 1/4	1 3/4	1 3/16	5/8	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN B

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	-0.003	-0.007	-0.012	-0.018	-0.024	-0.029	-0.035	-0.039	-0.043	-0.045	-0.047	-0.047	-0.045	-0.042	-0.038	-0.032	-0.025	-0.017	-0.009	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.014	-0.032	-0.054	-0.078	-0.104	-0.129	-0.153	-0.172	-0.188	-0.199	-0.204	-0.204	-0.198	-0.186	-0.166	-0.141	-0.110	-0.077	-0.040	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.001	-0.003	-0.005	-0.007	-0.009	-0.012	-0.014	-0.016	-0.017	-0.018	-0.018	-0.018	-0.018	-0.017	-0.015	-0.012	-0.010	-0.007	-0.003	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.018	-0.042	-0.071	-0.103	-0.137	-0.170	-0.201	-0.227	-0.248	-0.262	-0.269	-0.269	-0.261	-0.245	-0.219	-0.185	-0.145	-0.101	-0.052	0.000
REQUIRED CAMBER	0	3/16	1/2	7/8	1 1/4	1 5/8	2 1/16	2 7/16	2 3/4	3	3 1/8	3 1/4	3 1/4	3 1/8	2 15/16	2 5/8	2 1/4	1 3/4	1 3/16	5/8	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN B

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	-0.003	-0.008	-0.013	-0.018	-0.024	-0.030	-0.036	-0.041	-0.045	-0.047	-0.048	-0.048	-0.047	-0.044	-0.039	-0.033	-0.026	-0.018	-0.009	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.014	-0.032	-0.054	-0.079	-0.105	-0.131	-0.154	-0.175	-0.192	-0.203	-0.208	-0.207	-0.201	-0.188	-0.169	-0.144	-0.113	-0.077	-0.040	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.002	-0.003	-0.005	-0.008	-0.010	-0.013	-0.015	-0.017	-0.018	-0.019	-0.019	-0.019	-0.018	-0.017	-0.015	-0.013	-0.010	-0.007	-0.004	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.019	-0.043	-0.073	-0.105	-0.140	-0.174	-0.205	-0.233	-0.255	-0.269	-0.276	-0.275	-0.266	-0.248	-0.224	-0.190	-0.149	-0.102	-0.053	0.000
REQUIRED CAMBER	0	1/4	1/2	7/8	1 1/4	1 11/16	2 1/16	2 7/16	2 13/16	3 1/16	3 1/4	3 5/16	3 5/16	3 3/16	3	2 11/16	2 1/4	1 13/16	1 1/4	5/8	0

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

SPAN B

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	-0.003	-0.008	-0.013	-0.019	-0.025	-0.031	-0.037	-0.042	-0.046	-0.049	-0.051	-0.051	-0.049	-0.046	-0.042	-0.035	-0.028	-0.019	-0.010	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.014	-0.032	-0.054	-0.079	-0.105	-0.132	-0.157	-0.179	-0.196	-0.208	-0.215	-0.214	-0.207	-0.194	-0.175	-0.149	-0.118	-0.081	-0.042	0.000
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	-0.002	-0.004	-0.007	-0.009	-0.012	-0.015	-0.017	-0.019	-0.021	-0.022	-0.023	-0.023	-0.022	-0.020	-0.018	-0.015	-0.012	-0.008	-0.004	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	-0.019	-0.043	-0.073	-0.106	-0.142	-0.178	-0.211	-0.240	-0.264	-0.280	-0.289	-0.288	-0.278	-0.261	-0.234	-0.200	-0.158	-0.109	-0.056	0.000
REQUIRED CAMBER	0	1/4	1/2	7/8	1 1/4	1 11/16	2 1/8	2 9/16	2 7/8	3 3/16	3 3/8	3 7/16	3 7/16	3 5/16	3 1/8	2 13/16	2 3/8	1 7/8	1 5/16	11/16	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).

PROJECT NO. U-2579B

FORSYTH COUNTY

STATION: 44+08.64 -Y4RPBD-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

DEAD LOAD DEFLECTION
SPAN B

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 6/2/2014
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-564
1			3			TOTAL SHEETS
2			4			707

STR. #15

6/2/2014
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