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STAGE I

GIRDER #4																					
@ TWENTIETH POINTS BETWEEN C BEARINGS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.038	0.074	0.109	0.139	0.166	0.186	0.207	0.220	0.228	0.230	0.228	0.220	0.207	0.189	0.166	0.139	0.108	0.074	0.038	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.097	0.190	0.278	0.357	0.426	0.487	0.531	0.565	0.585	0.592	0.586	0.565	0.532	0.486	0.427	0.358	0.279	0.191	0.099	0.000
DEFLECTION DUE TO WEIGHT OF RAIL	0.000	0.017	0.034	0.050	0.064	0.077	0.087	0.095	0.101	0.105	0.106	0.104	0.101	0.095	0.086	0.076	0.064	0.050	0.034	0.018	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.152	0.299	0.437	0.560	0.669	0.760	0.833	0.886	0.918	0.928	0.918	0.886	0.833	0.761	0.669	0.561	0.436	0.299	0.155	0.000
VERTICAL CURVE ORDINATE	0.000	-0.071	-0.134	-0.190	-0.239	-0.280	-0.314	-0.340	-0.358	-0.370	-0.373	-0.370	-0.358	-0.340	-0.314	-0.280	-0.239	-0.190	-0.134	-0.071	0.000
ORDINATE DUE TO SUPERELEVATION	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
REQUIRED CAMBER	0	1	2	3	3 7/8	4 1/16	5 3/8	5 5/8	6 5/8	6 5/8	6 5/8	6 5/8	6 5/8	5 5/8	5 3/8	4 1/16	3 7/8	3	2	1	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.
ALL VALUES ARE SHOWN IN FEET EXCEPT "REQUIRED CAMBER", WHICH IS GIVEN IN INCHES.

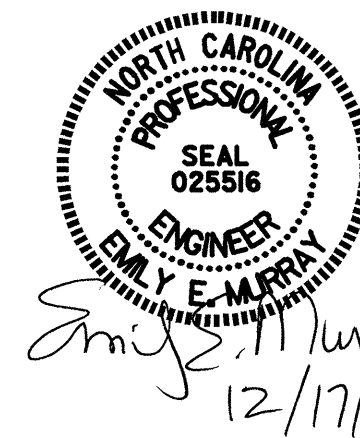
GIRDER #5																					
@ TWENTIETH POINTS BETWEEN C BEARINGS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.037	0.074	0.108	0.138	0.166	0.188	0.206	0.219	0.227	0.230	0.227	0.219	0.206	0.188	0.165	0.138	0.108	0.073	0.037	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.109	0.213	0.312	0.400	0.478	0.542	0.593	0.629	0.651	0.658	0.650	0.627	0.589	0.538	0.473	0.396	0.308	0.210	0.107	0.000
DEFLECTION DUE TO WEIGHT OF RAIL	0.000	0.017	0.033	0.048	0.062	0.074	0.084	0.092	0.098	0.102	0.103	0.102	0.098	0.092	0.084	0.074	0.062	0.048	0.033	0.017	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.163	0.320	0.468	0.601	0.718	0.814	0.891	0.947	0.980	0.991	0.979	0.944	0.887	0.810	0.713	0.596	0.464	0.317	0.161	0.000
VERTICAL CURVE ORDINATE	0.000	-0.071	-0.134	-0.190	-0.239	-0.280	-0.314	-0.340	-0.358	-0.370	-0.373	-0.370	-0.358	-0.340	-0.314	-0.280	-0.239	-0.190	-0.134	-0.071	0.000
ORDINATE DUE TO SUPERELEVATION	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
REQUIRED CAMBER	0	1 1/16	2 3/16	3 5/16	4 5/16	5 1/4	6	6 5/8	7 1/16	7 5/16	7 3/8	7 5/16	7 1/16	6 5/8	6	5 1/4	4 5/16	3 5/16	2 3/16	1 1/16	0

GIRDER #6																					
@ TWENTIETH POINTS BETWEEN C BEARINGS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.037	0.073	0.108	0.138	0.165	0.188	0.206	0.219	0.227	0.230	0.227	0.219	0.206	0.188	0.166	0.139	0.108	0.074	0.037	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.117	0.230	0.337	0.433	0.517	0.587	0.643	0.683	0.707	0.715	0.706	0.681	0.640	0.585	0.514	0.430	0.335	0.229	0.117	0.000
DEFLECTION DUE TO WEIGHT OF RAIL	0.000	0.016	0.032	0.047	0.061	0.073	0.083	0.090	0.096	0.100	0.101	0.100	0.096	0.091	0.083	0.073	0.061	0.048	0.032	0.017	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.171	0.336	0.492	0.633	0.755	0.858	0.939	0.998	1.034	1.045	1.033	0.997	0.937	0.856	0.753	0.630	0.490	0.335	0.171	0.000
VERTICAL CURVE ORDINATE	0.000	-0.071	-0.134	-0.190	-0.239	-0.280	-0.314	-0.340	-0.358	-0.370	-0.373	-0.370	-0.358	-0.340	-0.314	-0.280	-0.239	-0.190	-0.134	-0.071	0.000
ORDINATE DUE TO SUPERELEVATION	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
REQUIRED CAMBER	0	1 3/16	2 3/8	3 5/8	4 3/4	5 1/16	6 1/2	7 3/16	7 11/16	8	8 1/16	8	7 11/16	7 3/8	6 1/2	5 11/16	4 3/4	3 5/8	2 3/8	1 3/16	0

GIRDER #7																					
@ TWENTIETH POINTS BETWEEN C BEARINGS	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.038	0.074	0.108	0.139	0.166	0.189	0.207	0.220	0.228	0.230	0.228	0.220	0.207	0.189	0.166	0.139	0.109	0.074	0.038	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.126	0.244	0.357	0.459	0.548	0.623	0.683	0.727	0.753	0.763	0.756	0.730	0.687	0.628	0.553	0.463	0.362	0.247	0.126	0.000
DEFLECTION DUE TO WEIGHT OF RAIL	0.000	0.017	0.032	0.047	0.060	0.072	0.081	0.089	0.095	0.098	0.099	0.098	0.095	0.089	0.082	0.072	0.060	0.047	0.032	0.016	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.181	0.350	0.512	0.658	0.786	0.893	0.979	1.041	1.079	1.093	1.082	1.045	0.983	0.899	0.791	0.663	0.517	0.354	0.180	0.000
VERTICAL CURVE ORDINATE	0.000	-0.071	-0.134	-0.190	-0.239	-0.280	-0.314	-0.340	-0.358	-0.370	-0.373	-0.370	-0.358	-0.340	-0.314	-0.280	-0.239	-0.190	-0.134	-0.071	0.000
ORDINATE DUE TO SUPERELEVATION	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
REQUIRED CAMBER	0	1 5/16	2 9/16	3 7/8	5	6 1/16	6 15/16	7 1/16	8 3/16	8 1/2	8 5/8	8 1/2	8 3/16	7 11/16	6 15/16	6 1/16	5	3 7/8	2 9/16	1 5/16	0

PROJECT NO. B-3375
WAKE COUNTY
 STATION: 43+81.84 -L-

SHEET 1 OF 2



STATE OF NORTH CAROLINA					
DEPARTMENT OF TRANSPORTATION					
RALEIGH					
SUPERSTRUCTURE					
DEAD LOAD DEFLECTIONS					
(STAGE I CONSTRUCTION)					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					SHEET NO. S-15
					TOTAL SHEETS 37

DRAWN BY : M. M. PARSONS DATE : 9/30/04
 CHECKED BY : W.D. CRUTCHER DATE : 11-04

16-DEC-2004 15:27
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 dcrutcher

STR. #1