

NOTES:

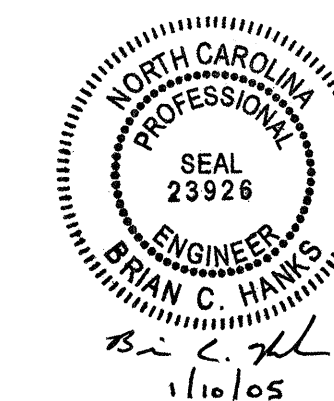
NO SHOP CAMBER REQUIRED FOR SPAN D,
TURN NATURAL MILL CAMBER UP.

DEAD LOAD DEFLECTION TABLE FOR BEAMS																																	
TENTH POINTS	SPAN C																																
	GIRDER C1										GIRDER C2										GIRDER C3												
	BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	BRG.		
DEFLECTION DUE TO WEIGHT OF GIRDER	0	0.010	0.018	0.025	0.030	0.031	0.030	0.025	0.018	0.010	0	0	0.010	0.018	0.025	0.030	0.031	0.030	0.025	0.018	0.010	0	0	0.010	0.018	0.025	0.030	0.031	0.030	0.025	0.018	0.010	0
DEFLECTION DUE TO WEIGHT OF SLAB *	0	0.041	0.077	0.105	0.123	0.128	0.123	0.105	0.077	0.041	0	0	0.040	0.077	0.105	0.122	0.129	0.122	0.105	0.077	0.040	0	0	0.044	0.085	0.116	0.135	0.143	0.135	0.116	0.085	0.044	0
DEFLECTION DUE TO WEIGHT OF SIDEWALK	0	0.007	0.014	0.019	0.022	0.024	0.022	0.019	0.014	0.007	0	0	0.007	0.013	0.018	0.021	0.022	0.021	0.018	0.013	0.007	0	0	0.007	0.013	0.018	0.021	0.022	0.021	0.018	0.013	0.007	0
TOTAL DEAD LOAD DEFLECTION	0	0.058	0.109	0.149	0.175	0.183	0.175	0.149	0.109	0.058	0	0	0.057	0.108	0.148	0.173	0.182	0.173	0.148	0.108	0.057	0	0	0.061	0.116	0.159	0.186	0.196	0.186	0.159	0.116	0.061	0
VERTICAL CURVE ORDINATE	0	0.013	0.025	0.034	0.040	0.042	0.040	0.035	0.027	0.015	0	0	0.012	0.024	0.033	0.039	0.041	0.040	0.035	0.027	0.015	0	0	0.011	0.023	0.032	0.038	0.040	0.039	0.035	0.027	0.015	0
ORDINATE DUE TO SUPERELEVATION	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
REQUIRED CAMBER	0	1/8"	15/8"	23/16"	29/16"	211/16"	29/16"	23/16"	15/8"	7/8"	0	0	13/16"	19/16"	23/16"	29/16"	211/16"	29/16"	23/16"	19/16"	13/16"	0	0	7/8"	111/16"	25/16"	211/16"	213/16"	211/16"	25/16"	111/16"	7/8"	0
TENTH POINTS	SPAN D																																
	BEAM D1										BEAM D2										BEAM D3												
	BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	BRG.	.1	.2	.3	.4	.5	.6	.7	.8	.9	BRG.		
DEFLECTION DUE TO WEIGHT OF BEAM	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0	
DEFLECTION DUE TO WEIGHT OF SLAB *	0	0.005	0.010	0.010	0.016	0.016	0.016	0.016	0.010	0	0	0.005	0.010	0.010	0.016	0.016	0.016	0.016	0.010	0.005	0	0	0.005	0.010	0.016	0.016	0.016	0.016	0.016	0.010	0.010	0	
DEFLECTION DUE TO WEIGHT OF SIDEWALK	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0	0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0	
TOTAL DEAD LOAD DEFLECTION	0	0.015	0.020	0.020	0.026	0.026	0.026	0.026	0.020	0	0	0.015	0.020	0.020	0.026	0.026	0.026	0.026	0.020	0.015	0	0	0.015	0.020	0.026	0.026	0.026	0.026	0.026	0.020	0.020	0	
VERTICAL CURVE ORDINATE	0	0.003	0.005	0.007	0.008	0.008	0.008	0.007	0.005	0	0	0.003	0.005	0.007	0.008	0.008	0.008	0.007	0.005	0.003	0	0	0.003	0.005	0.007	0.008	0.008	0.008	0.007	0.005	0.003	0	
ORDINATE DUE TO SUPERELEVATION	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
SEE NOTE																																	

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

PROJECT NO. U-3837
FORSYTH COUNTY
STATION: 21+64.07 -L-

SHEET 2 OF 2



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUPERSTRUCTURE DEAD LOAD DEFLECTIONS (LEFT LANE WIDENING)					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
SHEET NO. S-18					TOTAL SHEETS 78

DRAWN BY: William J. Parker DATE: 02/03/04
CHECKED BY: K. K. PUROHIT DATE: 5/25/04