	- L)EA	υL	UAD	DE	FLE		UN	IAB	LE	FUR	GT	RDE	K2								
											S	PAN	А									
											GI	RDER	5									
TWENTIETH POINTS		0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.0
DEFLECTION DUE TO WEIGHT OF GIRDER	+	0	.007	.014	.020	.025	.029	.033	.034	.035	.034	.033	.030	.026	.022	.018	.013	.009	.005	.003	.001	С
* DEFLECTION DUE TO WEIGHT OF SLAB	+	0	.019	.037	.054	.068	.079	.088	.093	.094	.093	.088	.080	.070	.059	.047	.035	.024	.014	.007	.002	(
DEFLECTION DUE TO WEIGHT OF RAIL & SIDEWALK	+	0	.006	.012	.017	.022	.025	.028	.030	.030	.030	.029	.026	.023	.020	.016	.012	.008	.005	.002	.001	(
TOTAL DEAD LOAD DEFLECTION	+	0	.032	.063	.091	.115	.133	.149	.157	.159	. 157	. 150	.136	.119	.101	.081	.060	.041	.024	.012	.004	C
VERTICAL CURVE ORDINATE	4	0	.014	.027	.038	.048	.056	.062	.068	.071	.074	.074	.074	.071	.068	.062	.056	.048	.038	.027	.014	
																						(
REQUIRED CAMBER	+	0	⁹ /16″	1 / ₁₆ ″	1%6″	1 ¹⁵ /16″	21/4″	2%6″	2 ¹¹ / ₁₆ ″	2¾″	2¾″	2 ¹¹ /16″	2 ¹ /2″	2 ¹ /4″	2″	1 / ₆ ″	13⁄8″	1 / ₁₆ ″	³ ⁄4″	7/16″	³ /16″	C
											S	PAN	А									
											GI	RDER	6									
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	.007	.014	.020	.025	.029	.033	.034	.035	.034	.033	.030	.026	.022	.018	.013	.009	.005	.003	.001	
* DEFLECTION DUE TO WEIGHT OF SLAB	+	0	.019	.037	.054	.068	.080	.088	.093	.094	.093	.088	.080	.070	.059	.047	.035	.024	.014	.007	.002	
DEFLECTION DUE TO WEIGHT OF RAIL & SIDEWALK	+	0	.007	.014	.021	.026	.031	.034	.036	.037	.036	.035	.032	.028	.024	.019	.014	.010	.006	.003	.001	(
TOTAL DEAD LOAD DEFLECTION	+	0	.033	.065	.095	.119	.140	.155	.163	.166	. 163	.156	.142	.124	.105	.084	.062	.043	.025	.013	.004	
VERTICAL CURVE ORDINATE	4	0	.014	.027	.038	.048	.056	.062	.068	.071	.074	.074	.074	.071	.068	.062	.056	.048	.038	.027	.014	(
REQUIRED CAMBER		0	9/ //	1 / //	15⁄8″	2″	23/ //	25/ //	23/ //	27/ //	21⁄8″	23⁄4″	29/ //	25/ //		13⁄4″	17/ //	1/ //	3/ //	1/ //	³ /16″	
REQUIRED CAMBER	Ť	0	9/16″	11/8″	178	ζ.	2 3/ 8″	25⁄/8″	2¾″	21⁄8″			2 ⁹ /16″	25⁄16″	2 /16″	174	17⁄16″	1 / ₁₆ ″	3⁄4″	1/2″	716	
						I		I	I			RDER										
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	.007	.014	.020	.025	.029	.033	.034	.035	.034	.033	.030	.026	.022	.018	.013	.009	.005	.003	.001	(
* DEFLECTION DUE TO WEIGHT OF SLAB	<u> </u>	0	.019	.037	.054	.068	.080	.088	.093	.095	.093	.088	.080	.070	.059	.047	.035	.024	.014	.007	.002	
DEFLECTION DUE TO WEIGHT OF RAIL & SIDEWALK	<u> </u>	0	.009	.018	.025	.032	.038	.042	.044	.045	.045	.043	.039	.035	.029	.024	.018	.012	.007	.004	.001	
TOTAL DEAD LOAD DEFLECTION	•	0	.035	.069	.099	.125	.147	.163	.171	.175	.172	.164	.149	.131	.110	.089	.066	.045	.026	.014	.004	
VERTICAL CURVE ORDINATE	•	0	.014	.027	.038	.048	.056	.062	.068	.071	.074	.074	.074	.071	.068	.062	.056	.048	.038	.027	.014	
]	(
REQUIRED CAMBER		0	⁹ /16″	1 /8″	15⁄/8″	2 ¹ /16″	21/16″	2 ¹¹ /16″	21⁄8″	2 ¹⁵ /16″	2 ¹⁵ /16″	2 <mark>1⁄8</mark> ″	2 ¹¹ /16″	21⁄16″	2 /8″	1 ³ / ₁₆ ″	11⁄16″	1 /8″	³ ⁄4″	1/2″	3/16″	C

★ INCLUDES SLAB, BUILDUPS AND STAY-IN-PLACE FORMS ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT ``REQUIRED CAMBER'', WHICH IS GIVEN IN INCHES (FRACTION FORM).

S.D.COOPER		DATE:	5-15
B.S. COX		_ DATE:	5-15
EER OF RECORD:	T.J. BEACH	DATE:	5-15
	B.S. COX	B.S. COX	B.S. COX DATE:





	PROJECT NO. <u>U-3109A</u> <u>ALAMANCE</u> COUNTY STATION: 26+54.73 -NBL- SHEET 2 OF 4
	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUPERSTRUCTURE
ARED BY: N SINEERS SSOCIATES To Drive	DEAD LOAD DEFLECTION AND GIRDER CAMBER
27518 9468 9598 (Fax)	REVISIONS SHEET N NO. BY: DATE: NO. BY: DATE: SO1-18
intermediation 2/13/20	1 3 TOTAL SHEETS 2 4 S01-4