

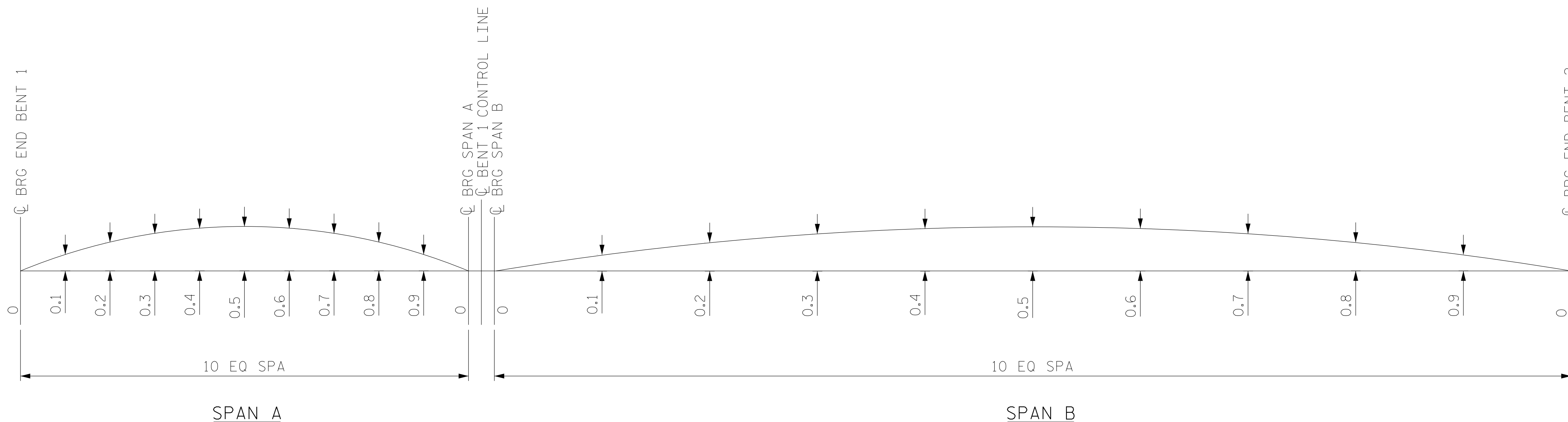
SPAN A
NO SHOP CAMBER REQUIRED,
TURN NATURAL MILL CHAMBER UP.

DEAD LOAD DEFLECTION TABLE FOR SPAN B GIRDERS																																	
	SPAN B											SPAN B										SPAN B											
	GIRDERS 1 & 11											GIRDERS 2 & 10										GIRDERS 3 & 9											
TENTH POINTS	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.015	0.028	0.038	0.044	0.047	0.044	0.038	0.028	0.015	0.000	0.000	0.015	0.028	0.039	0.045	0.047	0.045	0.039	0.028	0.015	0.000	0.000	0.015	0.028	0.039	0.046	0.048	0.046	0.039	0.028	0.015	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.049	0.093	0.127	0.149	0.157	0.149	0.127	0.093	0.049	0.000	0.000	0.057	0.108	0.148	0.173	0.182	0.173	0.148	0.108	0.057	0.000	0.000	0.061	0.116	0.158	0.185	0.194	0.185	0.158	0.116	0.061	0.000
DEFLECTION DUE TO WEIGHT OF S.W. & MED. **	0.000	0.005	0.009	0.012	0.014	0.015	0.014	0.012	0.009	0.005	0.000	0.000	0.005	0.009	0.012	0.014	0.014	0.014	0.012	0.009	0.005	0.000	0.000	0.004	0.008	0.012	0.014	0.014	0.014	0.012	0.008	0.004	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.069	0.130	0.177	0.207	0.219	0.207	0.177	0.130	0.069	0.000	0.000	0.077	0.145	0.199	0.232	0.243	0.232	0.199	0.145	0.077	0.000	0.000	0.080	0.152	0.209	0.245	0.256	0.245	0.209	0.152	0.080	0.000
REQUIRED CAMBER	0	13/16"	1 9/16"	2 1/8"	2 1/2"	2 5/8"	2 1/2"	2 1/8"	1 9/16"	13/16"	0	0	15/16"	1 3/4"	2 3/8"	2 13/16"	2 15/16"	2 13/16"	2 3/8"	1 3/4"	15/16"	0	0	15/16"	1 13/16"	2 1/2"	2 15/16"	3 1/16"	2 15/16"	2 1/2"	1 13/16"	15/16"	0

	SPAN B											SPAN B										
	GIRDERS 4, 5 & 8											GIRDERS 6 & 7										
TENTH POINTS	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.015	0.028	0.039	0.046	0.048	0.046	0.039	0.028	0.015	0.000	0.000	0.015	0.028	0.038	0.044	0.047	0.044	0.038	0.028	0.015	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.061	0.115	0.157	0.184	0.194	0.184	0.157	0.115	0.061	0.000	0.000	0.046	0.087	0.119	0.139	0.146	0.139	0.119	0.087	0.046	0.000
DEFLECTION DUE TO WEIGHT OF S.W. & MED. **	0.000	0.004	0.009	0.012	0.014	0.014	0.014	0.012	0.009	0.004	0.000	0.000	0.005	0.009	0.012	0.014	0.015	0.014	0.012	0.009	0.005	0.000
TOTAL DEAD LOAD DEFLECTION	0.000	0.080	0.152	0.208	0.244	0.256	0.244	0.208	0.152	0.080	0.000	0.000	0.066	0.124	0.169	0.197	0.208	0.197	0.169	0.124	0.066	0.000
REQUIRED CAMBER	0	15/16"	1 13/16"	2 1/2"	2 15/16"	3 1/16"	2 15/16"	2 1/2"	1 13/16"	15/16"	0	0	13/16"	1 1/2"	2"	2 3/8"	2 1/2"	2 3/8"	2"	1 1/2"	13/16"	0

NOTE:
THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE DEAD LOAD DEFLECTIONS AND REQUIRED CAMBERS SHOWN IN THE TABLES ARE BASED UPON LOADING FOR THE FINAL STAGE ONLY. THE DEFLECTION OF THE GIRDERS DURING STAGE I OR STAGE II CONSTRUCTION MIGHT BE DIFFERENT THAN THOSE SHOWN IN THE TABLES.

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



SCHEMATIC OF CAMBER ORDINATES
FOR CAMBER VALUES AT EACH GIRDER TENTH POINTS, SEE TABLES ABOVE.

Boone, NC 828-355-9933
 Tri-Cities, TN 423-467-8401
 Knoxville, TN 865-546-5800
 Spartanburg, SC 864-574-4775
 Charleston, SC 843-974-5650
 Middlesboro, KY 606-248-6600
 Raleigh, NC 919-977-9455
 Charlotte, NC 704-357-0488
 Atlanta, GA 770-627-3509

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PROJECT NO. U-5738
ROWAN COUNTY
 STATION: 70+72.50 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

DEAD LOAD DEFLECTION TABLES
SPAN B



12/13/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DWN. BY: FRJ DATE: 11/18
 CHKD. BY: CDB DATE: 11/18
 DES. EGR. OF RECORD: CDB DATE: 11/18

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-16
1			3			TOTAL SHEETS
2			4			39