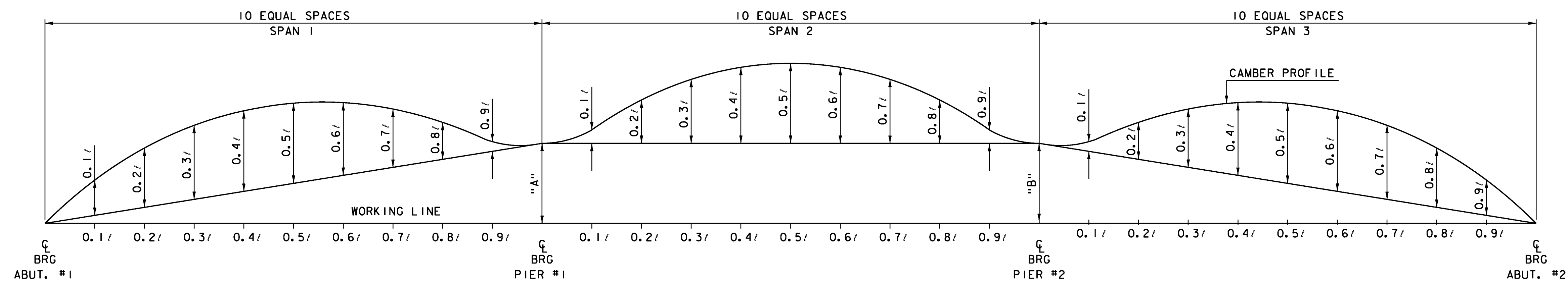


**DEFLECTION DIAGRAM**  
NOT TO SCALE - SEE TABLE BELOW



**CAMBER DIAGRAM**  
NOT TO SCALE - SEE TABLE BELOW

		SPAN 1										SPAN 2										SPAN 3										
GIRDER		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
1	STEEL	0.0	-1.2	-2.1	-2.7	-2.9	-2.7	-2.1	-1.3	-0.6	-0.1	0.0	-1.0	-2.6	-4.4	-5.7	-6.1	-5.7	-4.4	-2.6	-1.0	0.0	-0.1	-0.6	-1.3	-2.1	-2.6	-2.9	-2.7	-2.1	-1.2	0.0
	SLAB & SUPER	0.0	-7.0	-12.2	-15.7	-16.8	-15.3	-11.9	-7.4	-3.0	-0.2	0.0	-6.1	-16.1	-27.3	-34.8	-37.3	-34.8	-27.3	-16.1	-6.1	0.0	-0.2	-3.0	-7.4	-11.9	-15.1	-16.5	-15.7	-12.2	-7.0	0.0
	RESIDUAL CAMBER	0.0	9.0	17.0	21.0	25.0	26.0	22.0	22.0	16.0	10.0	0.0	16.0	30.0	39.0	44.0	47.0	45.0	39.0	29.0	17.0	0.0	9.0	16.0	22.0	25.0	25.0	24.0	21.0	17.0	9.0	0.0
	TOTAL CAMBER	0.0	17.2	31.3	39.4	44.7	44.0	36.0	30.7	19.6	10.3	0.0	23.1	48.7	70.7	84.5	90.4	85.5	70.7	47.7	24.1	0.0	9.3	19.6	30.7	39.0	42.7	43.4	39.4	31.3	17.2	0.0
		"A" DIST										"B" DIST																				
2	STEEL	0.0	-1.1	-1.9	-2.4	-2.6	-2.4	-2.0	-1.3	-0.6	-0.1	0.0	-0.9	-2.5	-4.1	-5.3	-5.6	-5.3	-4.1	-2.5	-0.9	0.0	-0.1	-0.6	-1.3	-2.1	-2.6	-2.9	-2.7	-2.1	-1.2	0.0
	SLAB & SUPER	0.0	-6.6	-11.6	-15.1	-16.1	-14.9	-11.7	-7.4	-3.2	-0.2	0.0	-6.0	-15.7	-26.2	-33.1	-35.6	-33.1	-26.2	-15.7	-6.0	0.0	-0.2	-3.2	-7.4	-11.6	-14.5	-15.7	-14.8	-11.4	-6.5	0.0
	RESIDUAL CAMBER	0.0	9.0	17.0	21.0	25.0	26.0	22.0	22.0	16.0	10.0	0.0	16.0	30.0	39.0	44.0	47.0	45.0	39.0	29.0	17.0	0.0	9.0	16.0	22.0	25.0	25.0	24.0	21.0	17.0	9.0	0.0
	TOTAL CAMBER	0.0	16.7	30.5	38.5	43.7	43.3	35.7	30.7	19.8	10.3	0.0	22.9	48.2	69.3	82.4	88.2	83.4	69.3	47.2	23.9	0.0	9.3	19.8	30.7	38.7	42.1	42.6	38.5	30.5	16.7	0.0
		"A" DIST										"B" DIST																				
3	STEEL	0.0	-1.0	-1.7	-2.2	-2.4	-2.3	-1.8	-1.2	-0.5	-0.1	0.0	-0.9	-2.3	-3.9	-4.9	-5.3	-4.9	-3.9	-2.3	-0.9	0.0	-0.1	-0.5	-1.2	-1.8	-2.2	-2.4	-2.2	-1.7	-1.0	0.0
	SLAB & SUPER	0.0	-6.2	-11.0	-14.1	-15.1	-14.0	-11.2	-7.0	-3.1	-0.2	0.0	-5.6	-14.8	-24.6	-31.3	-33.4	-31.3	-24.6	-14.8	-5.6	0.0	-0.2	-3.1	-7.0	-11.2	-13.9	-15.0	-14.1	-11.0	-6.2	0.0
	RESIDUAL CAMBER	0.0	9.0	17.0	21.0	25.0	26.0	22.0	22.0	16.0	10.0	0.0	16.0	30.0	39.0	44.0	47.0	45.0	39.0	29.0	17.0	0.0	9.0	16.0	22.0	25.0	25.0	24.0	21.0	17.0	9.0	0.0
	TOTAL CAMBER	0.0	16.2	29.7	37.3	42.5	42.3	35.0	30.2	19.6	10.3	0.0	22.5	47.1	67.5	80.2	85.7	81.2	67.5	46.1	23.5	0.0	9.3	19.6	30.2	38.0	41.1	41.4	37.3	29.7	16.2	0.0
		"A" DIST										"B" DIST																				
4	STEEL	0.0	-0.9	-1.6	-2.0	-2.2	-2.1	-1.7	-1.1	-0.5	-0.1	0.0	-0.9	-2.2	-3.7	-4.6	-4.9	-4.6	-3.7	-2.2	-0.9	0.0	-0.1	-0.5	-1.1	-1.7	-2.0	-2.2	-2.0	-1.6	-0.9	0.0
	SLAB & SUPER	0.0	-5.4	-9.5	-12.4	-13.4	-12.5	-10.1	-6.6	-3.0	-0.3	0.0	-5.3	-13.8	-22.5	-28.4	-30.5	-28.5	-22.5	-13.9	-5.3	0.0	-0.3	-3.0	-6.6	-10.1	-12.4	-13.3	-12.4	-9.5	-5.4	0.0
	RESIDUAL CAMBER	0.0	9.0	17.0	21.0	25.0	26.0	22.0	22.0	16.0	10.0	0.0	16.0	30.0	39.0	44.0	47.0	45.0	39.0	29.0	17.0	0.0	9.0	16.0	22.0	25.0	25.0	24.0	21.0	17.0	9.0	0.0
	TOTAL CAMBER	0.0	15.3	28.1	35.4	40.6	40.6	33.8	29.7	19.5	10.4	0.0	22.2	46.0	65.2	77.0	82.4	78.1	65.2	45.1	23.2	0.0	9.4	19.5	29.7	36.8	39.4	39.5	35.4	28.1	15.3	0.0
		"A" DIST										"B" DIST																				

- NOTES:**
1. DIMENSIONS SHOWN ARE ALONG THE ARC OF THE C OF THE WEB.
  2. ENDS OF GIRDERS SHALL BE FABRICATED SO THAT THEY WILL BE PLUMB UNDER FULL DEAD LOAD.
  3. BEARING STIFFENERS SHALL BE PLUMB AND PERPENDICULAR TO THE WEB IN THEIR FINAL POSITION.
  4. STEEL DEFLECTION IS DUE TO GIRDERS AND CROSSFRAMES.
  5. SLAB & SUPER DEFLECTION IS DUE TO DECK, CURB, RAILING AND PAVEMENT.
  6. WORKING LINE IS A STRAIGHT LINE BASED ON THE ELEVATION AT THE BOTTOM OF THE WEB AT THE CENTERLINE OF BEARING AT THE ABUTMENTS.

PROJECT NAME:	CAMBRIDGE	FILE NAME:	78f163super.dgn	PLOT DATE:	05-JUN-2012
PROJECT NUMBER:	BRF 027-1 (4)	PROJECT LEADER:	M. EVANS-MONGEON	DRAWN BY:	R. PELLETT
		DESIGNED BY:	T. FILLBACH	CHECKED BY:	T. FILLBACH
		DEAD LOADS & CAMBER DIAGRAMS		SHEET	162 OF 214