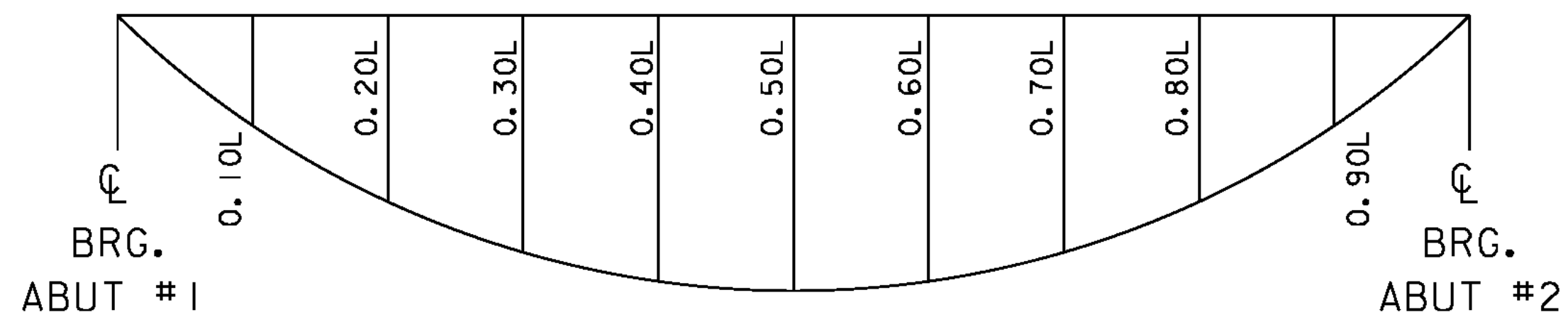


CAMBER DIAGRAM
SEE TABLES BELOW



DEAD LOAD DEFLECTION DIAGRAM
SEE TABLES BELOW

GIRDER 1	.10L	.20L	.30L	.40L	.50L	.60L	.70L	.80L	.90L
STEEL DEFLECTION	0 ⁷ / ₁₆ "	0 ⁷ / ₈ "	1 ³ / ₁₆ "	1 ³ / ₈ "	1 ⁷ / ₁₆ "	1 ⁷ / ₈ "	1 ¹ / ₄ "	0 ⁷ / ₈ "	0 ¹ / ₂ "
SLAB & SUPER DEFLECTION	1 ¹ / ₄ "	2 ⁵ / ₁₆ "	3 ³ / ₁₆ "	3 ³ / ₄ "	3 ⁵ / ₁₆ "	3 ³ / ₄ "	3 ³ / ₁₆ "	2 ³ / ₈ "	1 ¹ / ₄ "
TOTAL DEFLECTION	1 ¹¹ / ₁₆ "	3 ³ / ₁₆ "	4 ³ / ₈ "	5 ¹ / ₈ "	5 ³ / ₈ "	5 ³ / ₁₆ "	4 ¹ / ₁₆ "	3 ¹ / ₄ "	1 ³ / ₄ "
RESIDUAL CAMBER	1 ³ / ₄ "	3 ¹ / ₁₆ "	4 ¹ / ₁₆ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	3 ¹ / ₁₆ "	1 ³ / ₄ "
TOTAL CAMBER	3 ¹ / ₁₆ "	6 ¹ / ₄ "	8 ⁷ / ₁₆ "	9 ³ / ₄ "	10 ³ / ₁₆ "	9 ¹ / ₁₆ "	8 ¹ / ₂ "	6 ⁷ / ₁₆ "	3 ¹ / ₂ "

GIRDER 2	.10L	.20L	.30L	.40L	.50L	.60L	.70L	.80L	.90L
STEEL DEFLECTION	0 ¹ / ₂ "	0 ¹⁵ / ₁₆ "	1 ¹ / ₄ "	1 ¹ / ₂ "	1 ⁹ / ₁₆ "	1 ³ / ₈ "	1 ¹ / ₄ "	0 ¹⁵ / ₁₆ "	0 ¹ / ₂ "
SLAB & SUPER DEFLECTION	1 ⁵ / ₁₆ "	2 ¹ / ₁₆ "	3 ⁵ / ₁₆ "	3 ⁷ / ₈ "	4 "	3 ⁵ / ₁₆ "	3 ⁵ / ₁₆ "	2 ³ / ₈ "	1 ¹ / ₄ "
TOTAL DEFLECTION	1 ¹¹ / ₁₆ "	3 ³ / ₈ "	4 ⁹ / ₁₆ "	5 ³ / ₈ "	5 ⁹ / ₁₆ "	5 ⁵ / ₁₆ "	4 ⁹ / ₁₆ "	3 ⁵ / ₁₆ "	1 ³ / ₄ "
RESIDUAL CAMBER	1 ³ / ₄ "	3 ¹ / ₁₆ "	4 ¹ / ₁₆ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	3 ¹ / ₁₆ "	1 ³ / ₄ "
TOTAL CAMBER	3 ⁹ / ₁₆ "	6 ¹ / ₁₆ "	8 ⁵ / ₈ "	10 "	10 ³ / ₈ "	9 ¹ / ₁₆ "	8 ⁵ / ₈ "	6 ³ / ₈ "	3 ¹ / ₂ "

GIRDER 3	.10L	.20L	.30L	.40L	.50L	.60L	.70L	.80L	.90L
STEEL DEFLECTION	0 ⁹ / ₁₆ "	1 "	1 ³ / ₈ "	1 ⁵ / ₈ "	1 ¹¹ / ₁₆ "	1 ⁹ / ₁₆ "	1 ⁵ / ₈ "	1 "	0 ¹ / ₂ "
SLAB & SUPER DEFLECTION	1 ³ / ₈ "	2 ¹ / ₁₆ "	3 ¹ / ₁₆ "	4 "	4 ¹ / ₈ "	3 ⁵ / ₁₆ "	3 ³ / ₈ "	2 ³ / ₈ "	1 ⁵ / ₁₆ "
TOTAL DEFLECTION	1 ¹⁵ / ₁₆ "	3 ³ / ₁₆ "	4 ¹⁵ / ₁₆ "	5 ⁵ / ₈ "	5 ¹³ / ₁₆ "	5 ¹ / ₂ "	4 ¹¹ / ₁₆ "	3 ³ / ₈ "	1 ¹⁵ / ₁₆ "
RESIDUAL CAMBER	1 ³ / ₄ "	3 ¹ / ₁₆ "	4 ¹ / ₁₆ "	4 ⁵ / ₈ "	4 ⁹ / ₁₆ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	3 ¹ / ₁₆ "	1 ³ / ₄ "
TOTAL CAMBER	3 ¹ / ₁₆ "	6 ⁵ / ₈ "	8 ⁷ / ₈ "	10 ¹ / ₄ "	10 ⁵ / ₈ "	10 ¹ / ₈ "	8 ³ / ₄ "	6 ⁷ / ₁₆ "	3 ⁹ / ₁₆ "

GIRDER 4	.10L	.20L	.30L	.40L	.50L	.60L	.70L	.80L	.90L
STEEL DEFLECTION	0 ⁵ / ₈ "	1 ¹ / ₈ "	1 ¹ / ₂ "	1 ³ / ₄ "	1 ¹³ / ₁₆ "	1 ¹¹ / ₁₆ "	1 ¹ / ₁₆ "	1 ¹ / ₁₆ "	0 ⁹ / ₁₆ "
SLAB & SUPER DEFLECTION	1 ³ / ₈ "	2 ⁵ / ₈ "	3 ⁹ / ₁₆ "	4 ¹ / ₈ "	4 ⁵ / ₁₆ "	4 ¹ / ₁₆ "	3 ¹ / ₁₆ "	2 ¹ / ₁₆ "	1 ¹ / ₄ "
TOTAL DEFLECTION	2 "	3 ³ / ₄ "	5 ¹ / ₁₆ "	5 ⁷ / ₈ "	6 ¹ / ₈ "	5 ³ / ₄ "	4 ¹ / ₈ "	3 ¹ / ₂ "	1 ¹³ / ₁₆ "
RESIDUAL CAMBER	1 ³ / ₄ "	3 ¹ / ₁₆ "	4 ¹ / ₁₆ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	3 ¹ / ₁₆ "	1 ³ / ₄ "
TOTAL CAMBER	3 ¹ / ₄ "	6 ¹ / ₁₆ "	9 ¹ / ₈ "	10 ¹ / ₂ "	10 ¹ / ₁₆ "	10 ³ / ₈ "	8 ¹ / ₁₆ "	6 ⁹ / ₁₆ "	3 ⁹ / ₁₆ "

GIRDER 5	.10L	.20L	.30L	.40L	.50L	.60L	.70L	.80L	.90L
STEEL DEFLECTION	0 ⁵ / ₈ "	1 ³ / ₁₆ "	1 ⁵ / ₈ "	1 ⁷ / ₈ "	1 ¹⁵ / ₁₆ "	1 ¹³ / ₁₆ "	1 ⁹ / ₁₆ "	1 ¹ / ₈ "	0 ⁹ / ₁₆ "
SLAB & SUPER DEFLECTION	1 ¹ / ₂ "	2 ¹ / ₁₆ "	3 ¹ / ₁₆ "	4 ¹ / ₄ "	4 ¹ / ₂ "	4 ¹ / ₄ "	3 ⁹ / ₁₆ "	2 ⁹ / ₁₆ "	1 ³ / ₈ "
TOTAL DEFLECTION	2 ¹ / ₈ "	3 ⁷ / ₈ "	5 ⁵ / ₁₆ "	6 ¹ / ₈ "	6 ⁷ / ₁₆ "	6 ⁷ / ₁₆ "	5 ¹ / ₈ "	3 ¹ / ₁₆ "	1 ¹⁵ / ₁₆ "
RESIDUAL CAMBER	1 ³ / ₄ "	3 ¹ / ₁₆ "	4 ¹ / ₁₆ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	3 ¹ / ₁₆ "	1 ³ / ₄ "
TOTAL CAMBER	3 ⁷ / ₈ "	6 ¹ / ₁₆ "	9 ³ / ₈ "	10 ³ / ₄ "	11 ¹ / ₄ "	10 ¹ / ₁₆ "	9 ³ / ₁₆ "	6 ³ / ₄ "	3 ¹ / ₁₆ "

GIRDER 6	.10L	.20L	.30L	.40L	.50L	.60L	.70L	.80L	.90L
STEEL DEFLECTION	0 ¹ / ₁₆ "	1 ¹ / ₄ "	1 ³ / ₄ "	2 "	2 ¹ / ₈ "	2 "	1 ¹ / ₁₆ "	1 ³ / ₁₆ "	0 ⁵ / ₈ "
SLAB & SUPER DEFLECTION	1 ¹ / ₂ "	2 ¹ / ₁₆ "	3 ¹ / ₁₆ "	4 ¹ / ₂ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	3 ³ / ₄ "	2 ³ / ₄ "	1 ¹ / ₁₆ "
TOTAL DEFLECTION	2 ³ / ₁₆ "	4 ¹ / ₁₆ "	5 ⁹ / ₁₆ "	6 ¹ / ₂ "	6 ³ / ₄ "	6 ⁷ / ₁₆ "	5 ⁷ / ₁₆ "	3 ⁵ / ₁₆ "	2 ¹ / ₁₆ "
RESIDUAL CAMBER	1 ³ / ₄ "	3 ¹ / ₁₆ "	4 ¹ / ₁₆ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	3 ¹ / ₁₆ "	1 ³ / ₄ "
TOTAL CAMBER	3 ¹⁵ / ₁₆ "	7 ¹ / ₈ "	9 ⁵ / ₈ "	11 ¹ / ₈ "	11 ⁹ / ₁₆ "	11 ¹ / ₁₆ "	9 ¹ / ₂ "	7 "	3 ⁹ / ₁₆ "

GIRDER 7	.10L	.20L	.30L	.40L	.50L	.60L	.70L	.80L	.90L
STEEL DEFLECTION	0 ¹ / ₁₆ "	1 ⁵ / ₁₆ "	1 ⁹ / ₁₆ "	2 ¹ / ₈ "	2 ¹ / ₄ "	2 ³ / ₁₆ "	1 ⁷ / ₈ "	1 ³ / ₈ "	0 ³ / ₄ "
SLAB & SUPER DEFLECTION	1 ⁹ / ₁₆ "	2 ¹ / ₁₆ "	4 "	4 ¹ / ₁₆ "	4 ¹ / ₈ "	4 ⁵ / ₈ "	3 ⁵ / ₁₆ "	2 ⁷ / ₈ "	1 ⁹ / ₁₆ "
TOTAL DEFLECTION	2 ¹ / ₄ "	4 ¹ / ₄ "	5 ⁹ / ₁₆ "	6 ⁹ / ₁₆ "	7 ¹ / ₈ "	6 ¹³ / ₁₆ "	5 ¹³ / ₁₆ "	4 ¹ / ₄ "	2 ⁵ / ₁₆ "
RESIDUAL CAMBER	1 ³ / ₄ "	3 ¹ / ₁₆ "	4 ¹ / ₁₆ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	4 ⁵ / ₈ "	4 ¹ / ₁₆ "	3 ¹ / ₁₆ "	1 ³ / ₄ "
TOTAL CAMBER	4 "	7 ⁵ / ₁₆ "	9 ⁷ / ₈ "	11 ⁷ / ₁₆ "	11 ¹ / ₁₆ "	11 ¹ / ₁₆ "	9 ⁷ / ₈ "	7 ⁵ / ₁₆ "	4 ¹ / ₁₆ "

PROJECT NAME: CHESTER
PROJECT NUMBER: BRF 025-1(37)

FILE NAME: Structures\s95b168sup.dgn PLOT DATE: 20-SEP-2010
PROJECT LEADER: C.P.WILLIAMS DRAWN BY: D.D.BEARD
DESIGNED BY: E.R.CHARBONNEAU CHECKED BY: R.S.YOUNG
BRIDGE 9 CAMBER AND DEFLECTION DETAILS SHEET 83 OF 124