

SHEET NO. 14 OF 2

I: Non-composite moment of inertia of beam section (in.⁴).

I': Composite moment of inertia of beam section (in.⁴). Sb: Non-composite section modulus for the bottom fiber of

the prestressed beam (in.³), S_b': Composite section modulus for the bottom fiber of the

prestressed beam (in.³). St: Non-composite section modulus for the top fiber of the

prestressed beam (in.³). S_t': Composite section modulus for the top fiber of the prestressed beam (in.³).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

MDC2: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

Mpw: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft).

M4 + IM: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

PLAN	F.A.P. SECTION			COL	JNTY	TOTAL SHEETS	SHEET NO.
. 081–0196	599	103MFT-BR	ROCK	ISLAND	88	45	
	CONTRACT NO. 64D18						
20 SHEETS	ILLINOIS FED. AID PROJECT						