

Is, Ss:	Non-composite moment of inertia and section modulus of the steel section used for computing $f_{\mathcal{S}}$ (Total-Strength I, and
	Service II) due to non-composite dead loads (in. <sup>4</sup> and in. <sup>3</sup> ).
$I_c(n), S_c(n)$	
	and deck based upon the modular ratio, "n", used for computing
	fs (Total-Strength I, and Service II) due to short-term composite
	live loads (in. <sup>4</sup> and in. <sup>3</sup> ).
Ic(3n), Sc(3n);	Composite moment of inertia and section modulus of the steel
	and deck based upon 3 times the modular ratio, "3n", used for
	computing fs (Total-Strength I, and Service II) due to long-term
	composite (superimposed) dead loads (in. <sup>4</sup> and in. <sup>3</sup> ).
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.).
M <sub>DW</sub> :	Un-factored moment due to long-term composite (superimposed
	future wearing surface only) dead load (kip-ft.).
M4 + Imp:	Un-factored live load moment plus dynamic load allowance
11 (C) (I T)	(impact) (kip-ft.).
Mu (Strength I):	Factored design moment (kip-ft.).
<i><b>A</b></i> 11	$1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_{4} + I_{mp}$
$\phi_f M_n$ :	Compact composite positive moment capacity computed according to Article 6.10.7.1 (kip-ft.).
fs (Service II):	
IS COUNCE II!	M DC1 + M DC2 + M DW + 1.3 M & + Imp
Vr.	Factored shear range computed according to Article 6.10.10.
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