

IF YOU'VE EVER ASKED YOURSELF "WHY?" , as well as in Section 2.18 of Timoshenko and Gere's *Elastic Stability*. In such columns, one needs to consider the effect of the reduction of the stiffness because of shear. Ignoring this effect is very serious and it was one of the causes of the first collapse of the Quebec Bridge in 1905.

Flexural Strength Comparisons

The elastic moment strength of a beam listed in Table 3-6 of the 13th edition AISC manual seems low as compared to the

steel interchange

