Revisions and Errata List
AISC Steel Design Guide 10, 1st printing (Printed Copy)
October 15, 2012

The following list represents corrections to the first printing (1997) of AISC Design Guide 10, *Erection Bracing of Low-Rise Structural Steel Buildings.*

Page(s)	**Item**
27	In the left column, the second equation, "F = 3.73(1.54)(11.5)(A_f) = 8.61(A_f)" should be replaced with "F = 3.73(1.54)(1.5)(A_f) = 8.62(A_f)." (*Note: this correction appears in the online PDF version of this publication.*)
29	Equation 5-1 should read: $$\Delta_1 = \frac{(0.2NBS - P)L}{A(0.9)E}$$
33	Near the middle of the right column, the sentence beginning "Per Caltrans..." should read: Per Caltrans (9) the maximum cable drape (A) should be 2.75 in. In the 9th line from the bottom of the right column, the corresponding calculation of P should read: $$P = (0.84)(40)^2 \Big/ \left[8\left(\frac{2.75}{12}\right)(0.847) \right] = 866 \text{ lbs.}$$ The horizontal and vertical components of the preload force are 734 pounds and 460 pounds, respectively.
34	In the left column, 2nd line, the calculation for Δ_1 should read: $$\Delta_1 = \frac{\left[0.2(45,400) - 866\right](47.2)}{0.216(0.9)(13,000,000)} = 0.15 \text{ ft} \quad \text{(Eq. 5-1)}$$ The calculation in the 3rd line from the bottom of the left column should read: $$(\sin\theta)a = (\sin 0.9°)(25) = 0.393 \text{ ft}$$ At the top of the right column, replace the first 8 lines with the following: $$R = \frac{81,120(0.393)}{25} = 1,275 \text{ lbs.}$$

$1,275(47.51/40) = 1,514$ lbs.

Cable force including PΔ effects:

$11,013 + 1,514 + 866 = 13,393$ lbs.

Cable force: 13,393 lbs.

Allowable cable force = 45,400/3 = 15,133 > 13,393 lbs.

Therefore, use a ¾ in. diameter cable.