

CLOSURE

Updating Standard Shape Material Properties Database for Design and Reliability

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(First Quarter, 2003)

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We thank Professor Bennett for his detailed and well-reasoned suggestion. It is true that increasing the resistance factor for braced compact beams in flexure and tension members at yield from 0.90 to 0.92 has the potential to generate savings as described. However, there are also costs associated with this initiative, including the cost of revising design software and design aids to accommodate the slightly higher resistance factor. The rationale for specifying

resistance factors to the nearest 0.05 reflects the recognition by the AISC Committee on Specifications that simplified reliability analyses such as the one presented in the paper, although rationally accounting for uncertainties in design, are approximate. And the decision to revise the resistance factor rests with the AISC Committee on Specifications, not the authors of the paper.