New Metric Welding Code Available From AWS

The American Welding Society, in conjunction with AASHTO, has published the 1996 edition of the D1.5 Bridge Welding Code with all measurements in metric units. (The code does not apply to base metals less than 3 mm thick, instead use AWS D1.3 Structural Welding Code—Sheet Metal.)

The Bridge Welding Code covers the welding requirements for AASHTO welded highway bridges made from carbon and low-alloy constructional steels. Two important provisions in the 250-page 1996 edition are “Fracture Control Plan for Nonredundant Bridge Members,” which reflects the newest AASHTO provisions, and the new NDT requirements for various types of loading and welded joints. In addition, recommended forms for Welding Procedure Specifications and Procedure Qualification Requirements are included.

Copies of the Code cost $105 ($70 for AWS and AASHTO members). Contact AWS, 550 N.W. LeJeune Road, Miami, FL 33126 ph: 305/443-9353 or 305/443-9353.

SJI Offers New Joist Load & Weight Tables

The new Steel Joist Institute’s 40th Edition of Specifications, Load Tables and Weight Tables offers the first significant changes since the introduction of the K series joist.

- Foremost is the inclusion of Specifications and Load Tables for the all-new KCS Joist, a versatile joist useful in special design considerations requiring a joist for supporting non-uniform loads, concentrated loads, or combinations thereof.
- A four-page section on Fire Resistance Ratings.
- Requirements for safe erection of steel joists.
- Metric units.
- A one-page method (with example) for converting the Load Tables for use with LRFD.

Copies of the 96-page Specification are available for $20 ($30 outside the U.S.) from the Steel Joist Institute, Suite A, 1205 48th Ave. North, Myrtle Beach, SC 29577 ph: 803/449-0487.

60-Year Steel Joist Manual

A compilation of Specifications and Load Tables from 1928 through 1988 is now available from the Steel Joist Institute.

Copies of 318-page 60-Year Joist Manual are available for $59 ($69 outside the U.S.), including shipping and handling from the Steel Joist Institute, Suite A, 1205 48th Ave. North, Myrtle Beach, SC 29577 ph: 803/449-0487.

ASCE Relocates to Reston, VA

The American Society of Civil Engineers has relocated its headquarters from New York City to the Washington, DC, area. ASCE’s new offices are located at 1801 Alexander Bell Dr., Reston, VA 20191-4400 ph: 800/548-ASCE; ph: 703/295-6000; fax: 703/295-6222.

Call for Papers: World Conference on Steel

Abstracts of 150 words or less are requested for the Second World Conference on Constructional Steel Design, to be held May 11-13, 1998 in San Sebastian, Spain. Topics include: development of new steel products; new design concepts and applications; cost reductions, including steel in conjunction with other materials; the benefits of standardization; the implications of new methods of procurement; improvements in codes and standards; significant and relevant research; fire resistance and durability; environmental aspects and credibility; and education and training.

Copies should be submitted by December 31, 1996 to: Christine Roszkiewicz, World Steel Conference Secretariat, The Steel Construction Institute, Silwood Park, Ascot, Berkshire, SL5 7QX, UK ph: 44 1344 23345; fax: 44 1344 22944; email sci@cityscape.co.uk

Calendar

- SSPC 96 Peer Forums November 18 Charlotte, NC Peer forums bring together facility owners from seven major industries, in addition to contractors, to discuss common successes and failures in the coatings industry. Industries represented include: chemical/petrochemical; departments of transportation/bridges; pulp & paper; power; marine & offshore; food; beverage & pharmaceutical; and waste & waste water. Contact: Phil Cynar at SSPC, ph: 412/281-2331 ext. 121.
- Heavy Steel Fabrication November 18-20, 1996 New Orleans Topics include both cutting and welding of heavy plate. Contact: Fabricators and Manufacturers Association International at 815/399-8775.
- Practical Solutions for Bridge Strengthening and Rehabilitation March 24-25, 1997 Kansas City, MO Symposium will emphasize new and proven techniques of retrofitting, strengthening and rehabilitation of railway and highway bridges. Contact: F.W. Klaiber, 424 Town Engineering Building, Iowa State University, Ames, IA 50011 ph: 515/294-8763, email: klaiber@iastate.edu
AISC will present two award programs, one for architects and one for engineers, in 1997.

**Engineering Awards**

Presented for the first time are the Engineering Awards of Excellence, which are designed to give national recognition to structural engineering excellence and innovation in steel-framed building design.

“Most of AISC’s awards are given for research-related activities. This is the first time that we’re recognizing engineering excellence in a built project, regardless of size,” explained Andy Johnson, AISC’s Vice President of Marketing.

To be eligible, a significant part of the building frame must be of steel wide-flange structural shapes or hollow structural sections. Also, the building must have been completed between Jan. 1, 1995 and Dec. 31, 1996. Two awards, one for projects up to $10 million and one for projects greater than $10 million, will be presented in each of three regions: east; central; and west.

The regional award winners will then be eligible for the national award, which includes a cash award of $3,000. There is no entry fee for the Engineering Awards of Excellence.

“By recognizing projects in three regions, and both large and small projects, we hope to uncover pockets of innovation that might otherwise have gone unnoticed,” Johnson added.

The projects will be judged in the following criteria:

- Application of new design technology in the area of connections, gravity systems and lateral load resisting systems;
- Structural efficiency;
- Significance of engineering achievement.

Judges for the competition include: Louis Geshwinder from Penn State University; Eli Cohen from TT/CBM; Dave McKenzie from Havens Steel; and Jack Peterson from Martin/Martin; and Jim Notch from Notch + Associates.

The awards will be presented at the National Steel Construction Conference in May. Stories on the winning projects will appear in the April 1997 issue of MSC.

For more information, see pages 38-39 of this issue.

**Architectural Awards**

In the past, AISC’s Architectural Awards of Excellence program has honored such massive projects as Helmut Jahn’s One Liberty Place in Philadelphia as well as smaller projects such as the $1 million Electro-Coal Transfer Corporation office building in Davant, LA, which was built for less than $1 million (above). Other winners in 1990 included a subway entrance, a museum, a race track, a natatorium and a large office building.

AISC’s engineering and architectural awards are designed to recognize significant achievement in both large and small buildings. In the 1990 Architectural Awards of Excellence program, prize winners ranged from Murphy/Jahn’s One Liberty Place in Philadelphia (shown at left) to The Mathes Group’s Electro-Coal Transfer Corporation office building in Davant, LA, which was built for less than $1 million (above). Other winners in 1990 included a subway entrance, a museum, a race track, a natatorium and a large office building.

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