

BRIDGES

## Huey P. Long Bridge in the Home Stretch

April's opening of the new lanes on the Huey P. Long Bridge has been long-awaited by New Orleans locals. Traffic was switched from the bridge's old lanes to two new lanes in each direction, bringing the \$1.2-billion widening project one step closer to completion.

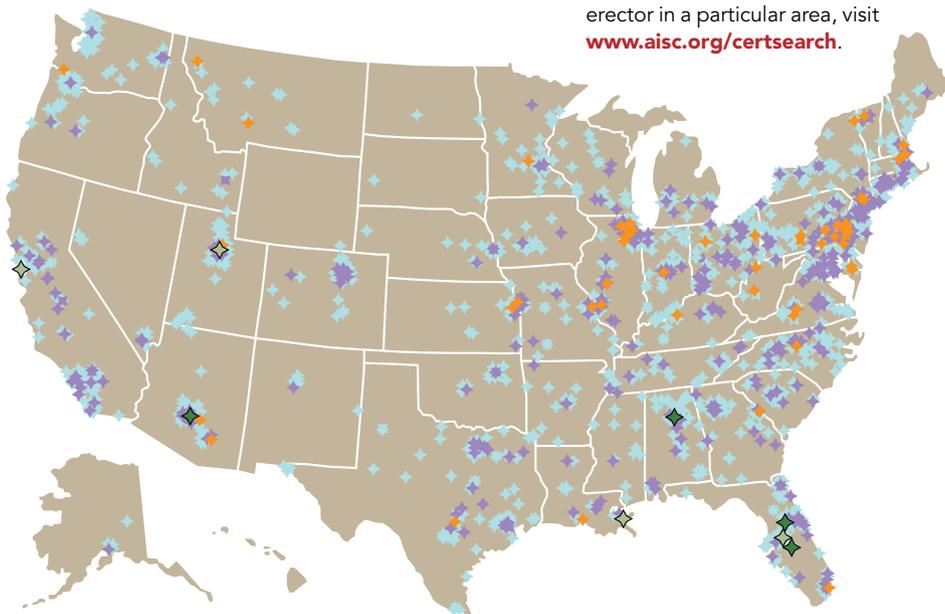
The traffic switch allowed the old lanes to be removed and the new travel lanes to be widened. Instead of completely replacing the bridge, bridge engineering firm Modjeski and Masters designed a steel sup-

port system to widen the existing truss. When completed, the bridge will also feature an additional travel lane and inside and outside shoulders to each side of the bridge, and the total driving surface width will be more than doubled, providing a safer, more reliable Mississippi River crossing.

The first phase of the expansion project began in April 2006, and the bridge is now in its final phase of construction. The entire project is slated to be completed in early 2013.

## Newly Certified Facilities: May 1–31, 2012

To find a certified fabricator or erector in a particular area, visit [www.aisc.org/certsearch](http://www.aisc.org/certsearch).



Existing Certified Fabricator Facilities

Existing Certified Erector Facilities

Existing Certified Bridge Component Facilities

Newly Certified Fabricator Facilities

Newly Certified Erector Facilities

### Newly Certified Fabricator Facilities

Daniel Iron a DBA of Vulcan Fabricated Metals, Inc., Birmingham, Ala.  
 Encore Steel, Inc., Scottsdale, Ariz.  
 S&S Welding, Inc., Bartow, Fla.  
 Stony Brook Structures of Florida, LLC, Tavares, Fla.

### Newly Certified Erector Facilities

GMF Construction, LLC, Lakeland, Fla.  
 Kwan Wo Ironworks, Inc., San Francisco, Calif.  
 New Orleans Iron Works, Inc., Belle Chasse, La.  
 Ralph L. Wadsworth Construction Company, LLC, Draper, Utah

## QUALITY ONLINE

Did you to attend the 2012 NASCC in Dallas but miss out on our quality-specific sessions: N24– Chapter N Inspection Intervals; N26– Torque vs. Tension; N28– How to Cure Your QMS!; N40– The Importance of Internal Auditing; N52– The 2011 AISC Standard for Steel Bridges; or N53– What is on the Horizon for the AISC Certification Programs? No worries! All conference sessions are currently online and can be viewed free of charge. Just click [www.aisc.org/2012nasconline](http://www.aisc.org/2012nasconline). If you have any specific AISC Certification questions, please contact us directly at 312.670.7520 or [certification@aisc.org](mailto:certification@aisc.org).

## People and Firms

- Bentley Systems, Inc.** has presented **Tom Lazear**, chairman of California-based **Archway Systems**, the longest-serving Bentley Channel Partner, with the inaugural Bentley Institute Lifetime Achievement Award. He was recognized on behalf of Bentley's California users in particular for his steadfast commitment to inspiring students, architects and engineers to explore and apply computer technology in the service of design and engineering. In other Bentley news, the company has acquired **InspectTech Systems, Inc.**, a Pittsburgh-based provider of field inspection applications and asset management services for bridges and other transportation assets. The InspectTech software-as-a-service (SaaS) solution helps asset owners streamline the process of planning inspections, collecting and managing inspection data, and complying with government reporting requirements.
- Welding equipment manufacturer **Miller Electric**, Appleton, Wis. and filler metal manufacturer **Hobart Brothers Company**, Troy, Ohio have been named the official welding equipment providers of the expansion of Lambeau Field, home of the Green Bay Packers. The expansion will be completed in 2013 and involves substantial new construction to both end zones, including 6,600 new seats in the south end zone and new high-definition video boards in both end zones; about 5,000 tons of steel is being used for the expansion.



Miller Electric Co.

## CODES AND STANDARDS

**First U.S. Consensus BIM Standard now Available**

In late May, the buildingSMART alliance, a council of the National Institute of Building Sciences and the North American chapter of buildingSMART International, released the first consensus-based standard for building information modeling (BIM) in the U.S. The new standard, *National BIM Standard-United States (NBIMS-US) Version 2 (V2)*, aims to identify a process for the full life cycle of buildings, including planning, design and construction and operations and sustainment.

Those involved in all sectors of the facilities industry were able to contribute to the development of the new standard by submitting ballots under three main categories: reference standards, information exchange standards and best

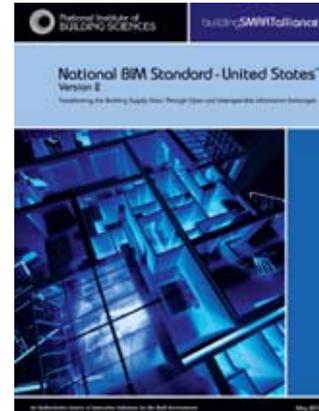
practice guidelines that support users in their implementation of open BIM standards-based deliverables. Members of the NBIMS-US Project Committee then voted on the ballots. AISC has been heavily involved in the development of NBIMS-US, serving on the Board of Direction for the buildingSMART alliance and also on the project committee for the standard.

The previous version of the national BIM standard, released in 2007, established the approach for developing open BIM standards. Written by a team of 30 subject matter experts, the standard followed an open process—but was not a consensus-based standard.

The new standard serves as a basis for other countries to adopt unified BIM standards and provides content for

future versions. Rollout of the standard will extend to Australia, Canada, Ireland, Korea, New Zealand and the U.K.

To learn more about the new standard and download the document at no charge, go to [www.nationalbimstandard.org](http://www.nationalbimstandard.org).



## CODES AND STANDARDS

**First U.S. Green Building Code now Available**

The International Code Council (ICC), earlier this spring, published the first U.S. code for green building design and performance, the *International Green Construction Code (IGCC)*, aimed to significantly reduce energy usage and greenhouse gases in new and existing buildings.

The code, approved last November after two years of development, applies to all new and renovated commercial and residential buildings more than three stories high. It sets baseline standards for all aspects of building design

and construction, including energy and water efficiency, site impacts, building waste and materials.

How does the new code differ from LEED certification? LEED is a voluntary rating system where designers can choose certain areas on which to focus, in an effort to gain the desired number of points or credits. The new *IGCC*, on the other hand, has established enforceable minimum requirements for every aspect of building design and construction for projects in jurisdictions that

adopt it. Local and state governments have the choice of adopting the code but once they do, it's enforceable. They can also add their own requirements that address local concerns, as well as choose whether to apply it to the entire jurisdiction or on a per-project basis.

The *IGCC* is available for purchase on the ICC website at <http://bit.ly/Hs1L2c>. For more information about the new code and an overview of its mandatory requirements, visit [www.iccsafe.org](http://www.iccsafe.org) (direct link: <http://bit.ly/Hn5bzx>).

## PROJECTS

**Dome of Knowledge**

A three-story steel dome is rising atop the 498,000-sq.-ft New Central Library for the city of San Diego. Scheduled to be completed next summer, the \$185-million facility will serve as a revitalized public resource and double the size of the current library. The building is also being designed and constructed to achieve LEED Silver certification.

The dome will serve as a reading room for the nine-story children's library. The new building will also feature a tech-

nology center, outdoor plaza and cafe, a 350-seat auditorium, a 400-seat multi-purpose room, teen center and two levels of underground parking. In addition, two floors of the library, totaling 76,000 sq. ft, will be used for a charter school serving up to 400 students.

You can track the library's construction progress in real time via a live webcam at [www.earthcam.com/client/NewCentralLibrary](http://www.earthcam.com/client/NewCentralLibrary).

# news

## NASCC

### 2012 NASCC Proceedings now Online

While there's no substitute for attending NASCC: The Steel Conference in person, AISC offers the next best thing: the conference proceedings.

The proceedings document much of the material presented at The Steel Conference, including a synchronization of the speakers' voices along with their PowerPoint presentations. The recorded sessions from this year's conference in Dallas are now posted for free online viewing at [www.aisc.org/2012nasconline](http://www.aisc.org/2012nasconline) (you can find previous conference seminars by visiting [www.aisc.org/freepubs](http://www.aisc.org/freepubs) and clicking on "Steel Conference Proceedings"). Some of this year's sessions are also available in MP4 format, with speaker video.

Why do it this way? Because The Steel Conference takes a different approach to its sessions. While most conferences issue a call for papers, NASCC's planning committee selects topics and then seeks out the top experts on those topics. As a result, AISC doesn't require presenters to produce papers.

## AWARDS

### T.R. Higgins Lectureship Award

Nominations for AISC's 2013 T.R. Higgins Lectureship Award are now being accepted. The award recognizes an outstanding lecturer and author whose technical paper or papers, published during the eligibility period, are considered an outstanding contribution to the engineering literature on fabricated structural steel.

The award is named for Theodore R. Higgins, Ph.D., former AISC Director of Engineering and Research, who was widely acclaimed for his many contributions to the advancement of engineering technology related to fabricated structural steel. The award honors Theodore for his innovative engineering, timely technical papers and distinguished lectures.

The 2013 winner will receive a framed certificate, presented at the annual NASCC: The Steel Conference (next spring in St. Louis), as well as a \$15,000 cash award and will present their lecture, upon request, at professional association events.

AISC encourages everyone involved with steel construction to submit nominations. Include the following information:

- Name and affiliation of the individual nominated (past winners may not be nominated again)
- Title of the paper(s) for which the individual is nominated, including publication citation
- If the paper(s) have multiple authors, identify the principal author
- Reasons for nomination
- A copy of the paper(s), as well as any published discussion

The author must be a permanent resident of the United States, and available to fulfill the commitments of the award. The paper or papers must have been published in a professional journal within a designated five-year period (for the 2013 award, papers must have been published between January 1, 2007 and January 1, 2012). The award winner will give a minimum of six presentations of the lecture on selected occasions during the year.

Instead, the proceedings are an actual documentation of the material presented at the conference. AISC then makes much of this material available at no charge as part of its mission to disseminate information that makes it easier to design and build with structural steel.

For the first time, the National Steel Bridge Alliance's World Steel Bridge Symposium was collocated with The Steel Conference. The entire exhibit hall was sold out and the attendance of nearly 3,600 made it the third largest Steel Conference ever. Many of the WSBS sessions are included in the online conference proceedings.

You can also download this year's WSBS papers at no charge at [www.steelbridges.org/2012WSBSProceedings](http://www.steelbridges.org/2012WSBSProceedings).

Next year's NASCC: The Steel Conference will be held in St. Louis, April 17-20. To learn more about The Steel Conference, visit [www.aisc.org/nascc](http://www.aisc.org/nascc).

Nominations must be received by August 1, 2012. You can send nominations, as well as questions, to Janet Cummins at:

T.R. Higgins Award Nomination  
c/o Janet T. Cummins  
Engineering & Research Coordinator  
American Institute of Steel Construction  
One East Wacker Drive, Suite 700  
Chicago, IL 60601  
[cummins@aisc.org](mailto:cummins@aisc.org)

In addition, if your organization is interested in hosting a T.R. Higgins lecture, contact Nancy Gavlin at [gavlin@aisc.org](mailto:gavlin@aisc.org). AISC reimburses the speaker's travel expenses for qualifying events.

The current T.R. Higgins Lecturer is Charles W. Roeder, who was recognized for his work on gusset plate connections for seismic design. Michel Bruneau, Ph.D., P.Eng., the 2012 winner (recognized for his papers on steel plate shear wall design and earthquake engineering) will begin lecturing later this year and continue into next year.

#### CORRECTION

In the Prize Bridge Awards feature in the June issue, part of the name of the joint-venture general contractor for the Salem Street Interchange project was misspelled (p. 43). The correct spelling is Kiewit. Also, the general contractor for the San Francisco-Oakland Bay Bridge East Tie-In Structure project was listed as Bob Coupe (p. 50). In actuality, C.C. Myers, Inc., Rancho Cordova, Calif. was the general contractor, and Coupe was the company's senior project manager for the Bay Bridge project. And the fabricator/detailer for the I-93 Fast 14-Salem Street Interchange project was listed as Structural Bridges, Claremont, N.H. (pp. 42-43). In actuality, the fabricator/detailer was Structural Bridges, A division of Canam Steel Corporation, Point of Rocks, Md.