2014 ASCE Transportation Conference
Wednesday, November 5, 2014

2014 Program Highlights

- Transportation funding to the individual states from the Federal Highway Trust fund has remained a difficult issue for a number of years. Learn more about the current and future transportation funding program at both the federal and state level. Learn more about future strategic planning and initiatives within the Iowa Department of Transportation.

- The condition of bridges at both the primary and county highway systems in Iowa continues to be a strategic and challenging funding issue. Learn more about the role of accelerated bridge construction in saving both time and money for bridge replacement. Presentation will cover the protocols currently in use for “ABC” projects.

- What is the “Complete Street” concept and how are the planning, design, and construction accomplished at the community level. The Iowa Dot is updating policies related to accommodations for bicycle and pedestrian traffic on Iowa DOT projects. What does having a complete streets policy mean, and how will it affect the design of transportation projects. Learn more about the “Community Blue Zone” concept and the benefits that complete streets policies for transportation systems can make this effort a success.

- Pavement systems will eventually wear out due to either age, increased traffic loading, or deteriorating materials. Learn more about current alternatives for resurfacing pavement systems with either HMA or PCC overlays.

- Roundabouts are becoming a more popular alternative for growing Iowa communities. Whether planned for major arterial corridors, or in commercial business centers, the roundabout intersection provides another option for conserving space and managing traffic flow. An alternative to the modern roundabout is the mini-roundabout, characterized by a smaller inscribed circular diameter and traversable center/splitter islands. Mini-roundabouts offer the added benefit of a smaller footprint that can often fit within existing curb lines. An overview of mini-roundabouts is presented along with four case studies of mini-roundabouts within the state of Iowa that have been proposed or are currently being designed.”

- Increase your understanding of the advantages of the “safety edge” and “guard-rail” systems now being applied too many of our primary and secondary highways.

- The re-build of the I-74 corridor system through the Quad Cities has been many years in planning, design, and construction. Learn more about the components of the design and system, and get an update on construction progress.
About ASCE
Founded in 1852, the American Society of Civil Engineers (ASCE) is committed to the advancement of the civil engineering profession and the individual engineer. ASCE acts as a forum for communication among individuals and groups involved in the practice of civil engineering. ASCE also offers a variety of professional development opportunities to members of the profession. The Iowa Section of ASCE, founded in 1920, exists so that Iowa civil engineers and associates may group together locally for their mutual benefit and professional advancement. Joe Spradling, P.E., is the current president of the Iowa Section.

Who Should Attend
If you are involved in the planning, design, construction, or operation of transportation facilities, you should plan to attend this conference. The conference is designed to be of interest to engineers and technicians, public and private, who work in the transportation area. The conference provides a large variety of topics that will likely be of interest to you directly, in your work, or in your community development projects. Learn from the experiences of other engineers in the transportation field by attending.

Conference Planning Committee
Jason Holdorf, P.E., Missman, Inc., Chair
Amy Quartell, P.E., Shive-Hattery
Kevin Arp, P.E., Kirkham-Michael, Inc.
Jennifer Bates, P.E., JEO Consulting Group, Inc.
Jim Grove, P.E., FHWA, InTrans/ISU
Jeff Hillegonds, P.E., Stanley Consultants
Mwasi J. Mwamba, P.E., Snyder & Associates Inc.
Dan Smith, P.E., CH2M Hill
Stephen Jones, P.E., IA-section ASCE Program Coordinator

Professional Development
This conference has been planned in accordance with the criteria established by the ISBELSE for professional development hours (PDH's).

Directions and Parking
Ames is easily accessed by U.S. Highways 30 and 69, as well as I-35. The Scheman Building is located in the Iowa State Center on the Iowa State University campus. From Interstate 35, take U.S. Highway 30 west into Ames. Take the University Drive exit and go north past Jack Trice Stadium. The Scheman Building is located between the Hilton Coliseum and the C.Y. Stephens Auditorium. Free parking is available adjacent to Scheman Building.

Registration
The advance registration fee for the ASCE Transportation Conference is $200 for ASCE members and $225 for non-members, on or before October 31, 2014. An additional $15 fee will be assessed for registrations received after October 31, 2014. A cancellation fee of $25 will be assessed for pre-registration not cancelled prior to November 1, 2014.

ONLINE REGISTRATION
You may register on-line at www.cpm.iastate.edu/event and clicking on “ASCE Transportation Conference” in the calendar list.

Or mail a completed registration with payment to the address indicated on the form. Your registration fee includes all program materials, lunch, and all refreshment breaks. You may also mail or fax a completed registration form with your payment to Registration Services, Iowa State University, 1601 Golden Aspen Drive, Ste 110, Ames, IA 50011 or fax to 515/294-6223.

Change in Plans?
If you cannot attend the conference, you may send a substitute. Your registration fee will be refunded less a $25 cancellation fee if you cancel your registration on or before November 1, 2014. No refunds after November 1, 2014. Call Registration Services at (515) 294-6222 or email registrations@iastate.edu.

For More Information
For questions about program content, contact Stephen Jones at 515-450-0311, or e-mail at sejones@huxcomm.net.
For registration questions, call Registration Services at (515) 294-6222 or e-mail registrations@iastate.edu.

Lodging
Individuals are responsible for their own individual lodging requirements. A list of area motels is included below.

<table>
<thead>
<tr>
<th>Motel Name</th>
<th>Phone Number</th>
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<tbody>
<tr>
<td>Americinn and Suites</td>
<td>(515) 233-1005</td>
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<td>Best Western-University Park</td>
<td>(515) 296-2500</td>
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<tr>
<td>Comfort Inn</td>
<td>(515) 232-0689</td>
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<td>Country Inn and Suites</td>
<td>(515) 233-3935</td>
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<td>Days Inn</td>
<td>(515) 232-0280</td>
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<td>Fairfield Inn</td>
<td>(515) 232-4000</td>
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<td>Hilton Garden Inn</td>
<td>(515) 233-8000</td>
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<td>Holiday Inn</td>
<td>(515) 268-8808</td>
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<td>Gateway Hotel &amp; Conference Center</td>
<td>(800) 367-2637</td>
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<tr>
<td>Grandstay Residential Suites</td>
<td>(800) 388-7829</td>
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<td>Hampton Inn</td>
<td>(515) 239-9999</td>
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<td>Heartland Inn</td>
<td>(800) 334-3277</td>
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<td>Holiday Inn</td>
<td>(515) 268-8808</td>
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<td>Holiday Inn Express Hotel</td>
<td>(515) 232-2300</td>
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<td>Iowa State Memorial Union</td>
<td>(515) 292-1111</td>
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<tr>
<td>Microtel Inn</td>
<td>(515) 233-4444</td>
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<tr>
<td>Quality Inn at Starlight Village</td>
<td>(800) 903-0009</td>
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<tr>
<td>Super 8 Motel</td>
<td>(800) 800-8000</td>
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Location
The conference takes place at the Scheman Building, located in the Iowa State Center complex at Iowa State University in Ames. From Hwy 30, take the University Boulevard exit and turn west on Center Drive. The Scheman Building is located near the intersection of Lincoln Way and University Boulevard. Free parking is available surrounding the building.
PROGRAM SCHEDULE

Wednesday, November 5, 2014
8:00 - 8:30 AM     Registration check-in and refreshments

Morning Program
General Session – Benton Auditorium

Presiding: Jason Holdorf, P.E., Missman Inc.

8:30 - 8:40     Welcome and Introductory Remarks
Jason Holdorf, P.E., Chair, ASCE Transportation Committee

8:30 - 9:30     Transportation Funding and Iowa DOT Strategic Initiatives
Paul Trombino III, P.E., Director, Iowa Department of Transportation, Ames

9:30 – 10:15    Accelerated Bridge Construction
Norman McDonald, P.E., Director, Office of Bridges and Structures, Iowa DOT, Ames

10:15 – 10:30   Break

Session A: (Complete Streets) - Scheman Room 171

10:30 – 11:15   Iowa DOT Bicycle and Pedestrian Long-Range Plan – Draft Complete Streets Policy
Richard Voelker, P.E., Transportation Group Director, Snyder & Associates, Ankeny

11:15 – 12:00   Iowa City Implementation of Complete Streets and Blue Zone
Ron Knoche, P.E., City Engineer, City of Iowa City

Session B: (Concrete Overlays) - Scheman Room 179

10:30 – 11:15   HMA Reconstruction Alternatives
Larry Mattusch, P.E., Iowa Asphalt Paving Association, Waukee

11:15 – 12:00   White-Topping Alternative

12:00 – 1:00 PM Luncheon (Buffet Style)

Session C: (Roundabouts) - Benton Auditorium

1:00 – 1:45     Design of Roundabout Intersections
Jeffrey A. Hillegonds, P.E., Stanley Consultants, Inc., Des Moines

1:45 – 2:30     Mini-Roundabouts: An Introduction and Applications in Iowa
Justin Campbell, P.E., Transportation Engineer, Shive-Hattery Inc., Cedar Rapids; John Witt, P.E., PTOE, Traffic Engineer, Shive-Hattery Inc., Iowa City

2:45 – 3:00     Refreshment Break (Black and White Sundae Bar)

General Session – Benton Auditorium

3:00 – 3:45     Safety Edge and Guardrail Systems
Chris Poole, P.E., Safety Programs Engineer, Iowa DOT, Ames; Kyhle Clute, Transportation Engineer, Iowa DOT, Ames

3:45 – 4:30     I-74 Corridor in the Quad Cities: A State of the Art Design
David J. Morrill, SE, P.E., Senior Vice President, Alfred Benesch & Company, Chicago
# ASCE Transportation Conference

**November 05, 2014 – Scheman Building, Ames, Iowa**

## Registration Information

<table>
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<th>Field</th>
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## Conference Registration

Conference registration fee includes all program materials, lunch, and refreshment breaks. Cancel on or before November 01, 2014 to receive a refund less at $25 processing fee. No refunds after November 01, 2014.

<table>
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<tr>
<th>Category</th>
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<tr>
<td>ASCE Member Registration Fee</td>
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<tr>
<td>Non-member Registration Fee</td>
<td>$225.00 $240.00</td>
</tr>
<tr>
<td>ASCE Retired and Life Members</td>
<td>$100.00 $115.00</td>
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Total: $ _________ $ _________

- I have special dietary needs and/or need accommodations for a disability:

## Method of Payment

- **Check (Payable to Iowa State University)**
- **Credit Card**
  - Visa
  - MasterCard
  - Discover

Card Number ___________________________ Exp. Date _____/_____
Cardholder Name ______________________ Signature __________________

- **Purchase Order (Please indicate billing address below, if different from above)**

PO Number _______________________________
Send invoice to: Name _______________________
Billing Address ___________________________
Telephone/Fax: ___________________________

(Only one registration per form – Duplicate for additional registrations)

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* Iowa State University requests this information to pre-register you for a conference. No one outside the university, with the exception of participants in this conference, is routinely provided this information. If you fail to provide the required information, we cannot promise accurate registration.

(Reference: Iowa Code, Chapter 22.11; Iowa Fair Information Practices Act)