

# 68<sup>th</sup> Iowa County Engineers Conference

December 9-11, 2014



Scheman Building  
Iowa State University  
Ames, Iowa

## 2014 Conference Highlights

- Learn more about gravel road stabilization options
- Hear about fugitive dust control regulations
- Discuss the maintenance of local bridge crew programs
- Receive more information on the repair of wood elements under concrete bridge decks
- Develop a better understanding of asphalt technologies and interlayer options
- Discuss the estimation of peak flows and updates to backwater programs
- Receive an update on asset management activities in Iowa
- Hear about innovations and advancements for drainage structures
- Discuss road funding sources



Photo by Pam Olson, Jasper County

## Sponsors:

IOWA STATE UNIVERSITY  
Institute for Transportation



IOWA STATE UNIVERSITY  
Department of Civil, Construction, and Environmental Engineering



## 2014 Committee Members:

Brian Ridenour - Allamakee County  
Dave Shanahan - Mahaska County  
Ron Bell - Harrison County  
John Rasmussen - Pottawattamie County  
Pam Olson - Jasper County  
Dustin Rolando - Floyd/Chickasaw County  
Tyler Christian - Marion County

Ben Kusler - Woodbury County  
Steve Akes - Union County  
Dave Carney - Monona County  
Doug Julius - Sioux County  
Greg Parker - Johnson County  
Brian Carter - Des Moines County  
Alex Davis - Buchanan County

Brenda Boell - Iowa DOT  
Jake Hotchkiss - Henry County  
Steve Gannon - Linn County  
Nicole Fox - Iowa DOT  
Keith Knapp - InTrans

# 2014 ICEA ANNUAL CONFERENCE

DECEMBER 9-11, 2014

(As of 11/11/2014, Subject to Change)

## Tuesday, December 9, 2014

7:30-10:30 a.m. Exhibitor setup

10:30 Registration, Exhibits Open for Viewing

11:00 AGC Social with Conference Attendees

12:00 p.m. Opening Luncheon with AGC

1:00 Afternoon Session  
*Presiding - Todd Kinney, Clinton County*  
ICEA – Dan Ahart, President, Shelby County  
IHRB – Wade Weiss, Greene County  
FHWA – Lubin Quinones, Division Administrator  
ISRMSA – Jim Rowe, President, Taylor County  
ICEOO – Pam Olson, Jasper County  
APWA – Tracy Warner, President, City of Ames

1:45 Keynote Address: Leadership – Nothing Happens by Accident, Richard Rowe,  
Richard Rowe Speaks

2:45 Refreshment Break

3:30 Local Systems, Session A  
*Presiding – M.J. “Charlie” Purcell, Iowa DOT*  
Local Systems Update – Nicole Fox, Iowa DOT  
Iowa LTAP Update – Keith Knapp, Iowa LTAP  
Asset Management Update – Charlie Purcell, Iowa DOT

5:00 Participant/Exhibitor discussion time in the exhibit area

5:30 Exhibits close for the evening



## Wednesday, December 10, 2014

7:30 a.m. Continental Breakfast in the Exhibit Area; Exhibits Open

### **Morning Concurrent Sessions**

#### **Session A – Gravel Road Maintenance and Construction**

*Presiding – Trevor Wolf, Wayne County*

9:00 Fugitive Dust Control Regulations and Compliance – Bill Gross, Iowa DNR  
9:45 Gravel Road Stabilization Options – Dr. David White, Iowa State University  
10:30 Safety and Gravel Road Maintenance – Chris Archer, Pocahontas County

#### **Session B – Bridge Inspection, Maintenance, and Construction**

*Presiding – Al Miller, Fayette County*

9:00 Maintaining Local Bridge Crew Programs – Doug Davis, Muskingum County, OH  
9:30 Bridge Element Inspection – Justin Sencer, Iowa DOT  
10:00 Accelerated Bridge Construction on Secondary Roads – Dr. Brent Phares and Dr. Terry Wipf, Iowa State University  
10:30 Repair and Inspection of Timber Bridge Elements – Travis Hosteng and Justin Dahlberg, Iowa State University

### **Session C – Pavement Maintenance**

*Presiding – Tyler Christian, Marion County*

- 9:00 Longitudinal Joint Repair – Tracy Thompson, Midwest Coatings Company  
9:30 Pavement Preservation: A County Engineer's Experience – JD King, Page County  
10:00 Recycling White Topped Roads – John A. Rasmussen, Pottawattamie County  
10:30 Utilizing Innovative Asphalt Technologies to Improve Pavement Performance – Bill Rosener, Asphalt Paving Association of Iowa  
10:50 Interlayer Options – John Cunningham, Iowa Concrete Paving Association, and Richard Brumm, Mitchell/Worth Counties

### **Session D – Water, Water, Everywhere**

*Presiding – Jeremiah Selby, Monroe County*

- 9:00 A Review of Iowa's Drainage Laws Relative to Roads – Don Etlar, Bolton & Menk, Inc.  
9:45 Using StreamStats for Estimating Peak Flows and Updates to the Iowa DOT Culvert and Bridge Backwater Programs – Dave Claman, Iowa DOT  
10:30 Regulatory Issues in Iowa – Daniel J. Hayes, U.S. Army Corps of Engineers

11:00 Photos for County Engineers (for new engineers and those who need an updated photo)

11:15 Exhibitor/Participant Opportunities

11:45 Awards Luncheon

- Technician 25-year Awards
- Technical School Scholarship Awards  
DMACC and Hawkeye Community College
- Prize Drawings (Exhibitor drawings, ICEA prize drawing)

1:00 p.m. Roundtables – **Subjects determined by the DOT Local System District Representatives**  
**Note:** Refer to group assignment handout in your folder for county assignments & topics.

2:00 Concrete Sundaes

2:30 Exhibits Close/Tear-down

### **2:30-4:15 Engineers Program**

*Presiding – David Carroll, Warren County*

Road Impact Fees and Other Innovative Road Funding Sources – David Swenson, Iowa State University  
Transition to Natural Gas as a Transportation Fuel - Eric Kruse, Kwik Trip, Inc.  
Changes to the Collective Bargaining Landscape, Renee Von Bokern, Von Bokern Associates, Inc.

### **2:30-4:15 Technicians Program: Innovative Drainage Structures for County Roads**

*Presiding – Ben Kusler, Woodbury County*

Innovative Drainage Structures for County Roads – Bill Adams and Brent Klaiber, Concrete Pipe Association of Iowa

Advancements in the Use of Corrugated Steel for Culverts and Buried Bridges – Michael McGough, PE, National Corrugated Steel Pipe Association

5:00 Students arrive for Banquet

### **6:00 Banquet and Evening Program**

Invocation – Keith White, Muscatine County

Introduction of Past Presidents – Dan Ahart, Shelby County, ICEA President

MCEA Update – John Brunkhorst, MCEA President, McLeod County, MN

NACE Update – Duane J. Ratermann, P.E., NACE President Elect, Knox County, IL

Introduction of Students and Scholarship Presentations:

University of Iowa and Iowa State University

Introduction of New County Engineers

ICEA Awards – Awards Committee

## **Thursday, December 11, 2014**

- 7:30 a.m. Breakfast and Video
- 8:30 General Session  
*Presiding – Walter Davis-Oeth, Emmet County*
- 8:30 Planning, Designing, and Maintaining Roadways under the Pressure of a Booming Oil Industry – Wayne A. Zacher, PE, North Dakota DOT
- 9:15 Dealing with the Public Successfully – Kevin Bailey, McClure Engineering Company
- 9:45 Research that Works: Past and Future – Vanessa Goetz, Iowa DOT
- 10:15 Spotlight County Project: Accommodating Large Scale Industrial Development – Ernie Steffensmeier, PE, LS, and Ben Hull, PE, Lee County
- 11:00 Local Systems, Session B  
*Presiding – M.J. “Charlie” Purcell, Iowa DOT*  
Threatened and Endangered Species Update, Mary Kay Solberg, Iowa DOT
- 11:45 Adjourn

**Interested in exhibiting? Please visit the conference website for an exhibitor brochure or to register as an exhibitor.**  
**[www.extension.iastate.edu/registration/events/Conferences/ICEA/exhibitors.html](http://www.extension.iastate.edu/registration/events/Conferences/ICEA/exhibitors.html)**

**MARK YOUR CALENDARS** to join us next year!  
**December 8-10, 2015**  
at the Scheman Building in Ames.



## **PARTICULARS**

### **Who Should Attend**

Each member of the county engineering staff will find this conference provides information of interest to aid them in the design, construction and operation of the transportation system in the county. Consultants, equipment vendors, and material vendors will have direct contact with those directly in charge of county procurement of equipment and services.

### **Professional Development**

The workshop and the conference have been planned in accordance with the criteria established by the ISBELSE for Professional Hours (PDH's).

### **Registration**

The registration fees for the conference and the associated organizational dues are outlined on the registration form on the back of this brochure. Please note the dues for ARTBA are now included for each county engineer. The ARTBA dues are for the 2015 calendar year. Additional banquet tickets are available for \$35 each; please purchase on the enclosed registration form or purchase online at [www.cpm.iastate.edu/event](http://www.cpm.iastate.edu/event).

To register, go online at [www.cpm.iastate.edu/event](http://www.cpm.iastate.edu/event) or mail a copy of the completed registration with payment to the address shown on the back of this brochure. You may also register via fax at (515) 294-6223. Your registration fee includes all program materials, two lunches, the evening banquet, and all refreshment breaks.

### **Concurrent Sessions**

Identify your choice of concurrent sessions of continuing education activities for Wednesday afternoon by number your preferences (1) first choice, (2) second choice and (3) third choice or leaving blank if you are not attending a particular session. Enrollment in many of the activities will be limited and selection will be on a first come, first-served basis.

### **Retirees**

In order to help cover meal costs, an optional \$100 contribution is requested from retirees in attendance.

### **Change in Plans**

If you cancel your registration **before** December 2, 2014, your registration fee will be refunded less a \$15 cancellation fee. No refunds will be made **on or after** December 2, 2014. If you cannot attend the conference, you may send a substitute. Call ISU Registration Services at (515) 294-6222.

### **For Further Information**

For questions about program content, contact Keith Knapp at (515) 294-8817 or [kknapp@iastate.edu](mailto:kknapp@iastate.edu). For registration questions, call ISU Registration Services at (515) 294-6222 or email [registrations@iastate.edu](mailto:registrations@iastate.edu).

### **Special Needs**

If you need accommodations for a disability or a dietary restriction, please indicate your need when you register online. You may also call ISU Registration Services at (515) 294-6222 or email [registrations@iastate.edu](mailto:registrations@iastate.edu).

### **Lodging**

For a list of lodging options, please visit the Ames Convention & Visitors Bureau website at [www.VisitAmes.com](http://www.VisitAmes.com).

### **Directions/Parking**

Centrally located, Ames is easily accessed by U.S. Highway 30 and Interstate 35. The Scheman Building is located in the Iowa State Center on the Iowa State University campus. From I-35 take U.S. Highway 30 west to University Boulevard and north past Jack Trice Stadium, turning on Center Drive. The Scheman Building is located between Hilton Coliseum and Stephens Auditorium. Free parking is available surrounding the Scheman Building.

IOWA STATE UNIVERSITY



# 2014 Iowa County Engineers Conference December 9-11, 2014

## Registration Information:\*

Mr.  Ms.  Mrs.  Dr.

Male  Female

First Name \_\_\_\_\_ Middle Name (Initial) \_\_\_\_\_ Last Name \_\_\_\_\_

Organization/Affiliation \_\_\_\_\_ Day Phone \_\_\_\_\_

Email \_\_\_\_\_ Fax Number \_\_\_\_\_

Mailing Address Line 1 \_\_\_\_\_

Mailing Address Line 2 \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ Iowa County \_\_\_\_\_

## Registration Fee:

- County Engineer <sup>1</sup> \$500
- Other County Staff, FHWA, and Others <sup>2</sup> \$250
- Retirees <sup>3</sup> \$0 / \$100 *suggested*
- Add'l Guest Banquet Tickets \_\_\_@ \$35 \$ \_\_\_\_\_

**Total \$ \_\_\_\_\_**

<sup>1</sup> This fee includes: \$150 NACE dues; \$95 IGRA dues; ARTBA dues; Tuesday lunch; Wednesday breakfast, lunch, and banquet; Thursday breakfast; and all refreshment breaks.

<sup>2</sup> This fee includes: Tuesday lunch; Wednesday breakfast, lunch and banquet; Thursday breakfast; and refreshment breaks.

<sup>3</sup> This fee includes: Tuesday lunch; Wednesday breakfast, lunch and banquet; Thursday breakfast; and refreshment breaks. (\$100 optional suggested donation to offset meal costs.)

To allow us to better plan, please check which you will attend (all included in fee):

- Tuesday Lunch
- Wednesday Breakfast
- Thursday Breakfast
- Wednesday Lunch
- Wednesday Banquet

Please **RANK** your **1<sup>st</sup>**, **2<sup>nd</sup>** and **3<sup>rd</sup>** preference choices for the Wednesday morning concurrent sessions:

- \_\_\_ **A:** Gravel Road Maintenance and Construction
- \_\_\_ **B:** Bridge Inspection, Maintenance and Construction
- \_\_\_ **C:** Pavement Maintenance
- \_\_\_ **D:** Water, Water, Everywhere

## Method of Payment:

**Check (Payable to Iowa State University)**

Credit Card:  Visa  MasterCard  Discover

Card Number \_\_\_\_\_ Exp. Date \_\_\_\_/\_\_\_\_

Cardholder Name \_\_\_\_\_ Signature \_\_\_\_\_

**Purchase Order**

Purchase Order Number \_\_\_\_\_

Send Invoice to: Name \_\_\_\_\_

Billing Address \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

## IT'S EASY TO REGISTER!

### Go Online!

[www.cpm.iastate.edu/event](http://www.cpm.iastate.edu/event)

### Mail—

Registration Services  
Iowa State University  
1601 Golden Aspen Dr. #110  
Ames, IA 50010

### Fax—

(515) 294-6223

### Questions?

Call 515-294-6222 or Email  
[registrations@iastate.edu](mailto:registrations@iastate.edu)

\* Iowa State University requests this information to preregister you in 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)

OFFICE USE ONLY

Acct # 14-0004

**Only one registration per form.**

**Cancel by December 2, 2014, for a refund, less \$15 cancellation fee. Substitutions are accepted.**

**IOWA STATE UNIVERSITY**  
Extension and Outreach