

# THE



## 91<sup>st</sup> ANNUAL ILLINOIS

February 22 & 23, 2005  
Illini Union  
University of Illinois  
at Urbana-Champaign

[www.conferences.uiuc.edu/the](http://www.conferences.uiuc.edu/the)

### Transportation and Highway Engineering Conference

Sponsored by the  
University of Illinois at Urbana-Champaign  
Department of Civil and Environmental Engineering  
Illinois Department of Transportation  
Illinois Association of County Engineers  
Public Works Section, Illinois Municipal League  
Township Officials of Illinois  
Associated General Contractors of Illinois  
Illinois Association of Highway Engineers  
Illinois Division, Federal Highway Administration



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**T.H.E. 2005**  
February 22 & 23, 2005

**TUESDAY**  
FEBRUARY 22, 2005

### CONFERENCE PROGRAM

#### Future Conference Dates

STRUCTURAL ENGINEERING  
www.conferences.uiuc.edu/structural  
**April 7, 2005**

ILLINOIS TRAFFIC ENGINEERING AND SAFETY  
www.conferences.uiuc.edu/traffic  
**October 20 & 21, 2005**

ILLINOIS BITUMINOUS PAVING  
www.conferences.uiuc.edu/bituminous  
**December 2005**

T.H.E. 2006  
www.conferences.uiuc.edu/the  
**February 21 & 22, 2006**

#### T.H.E. Conference Program Committee

**Robert B. Andrews**  
Illinois Association of County Engineers, Oakwood

**Kevin Burke**  
Illinois Department of Transportation, Springfield

**Thomas Dagley**  
Illinois Association of Highway Engineers, Paris

**David Dratnol**  
Illinois Municipal League, Public Works Section, Lombard

**Dale Schultz**  
Township Officials of Illinois, Clifton

**Kevin Ward**  
FHWA – Illinois Division, Springfield

**Tim Zahrn**  
Illinois Department of Transportation, Springfield

**William Buttlar**  
Conference Director, University of Illinois at Urbana-Champaign

**8:00 AM Registration and Assembly**  
Lobby, North Entrance, Illini Union Building

#### GENERAL SESSION Illini Rooms, Illini Union Building

Chairperson: William Buttlar, Associate Professor of Civil & Environmental Engineering, University of Illinois at Urbana-Champaign

**9:00 A FOCUSED APPROACH TO SAFETY: FEDERAL AND STATE PERSPECTIVES**  
Rudolph M. Umbs, Chief Highway Safety Engineer, FHWA, Washington, D.C.

Priscilla Tobias, State Safety Engineer, IDOT, Springfield, IL

**9:40 CONTINUOUS FLOW INTERSECTIONS**  
Michael Bruce, ABMB Engineers, Inc., Baton Rouge, LA

**10:15 INTERMISSION - REFRESHMENTS SERVED**

**10:30 PAVEMENT PRESERVATION: THE MINNESOTA EXPERIENCE**  
William Zerfas, Mn/ROAD, Office of Materials, Minnesota Department of Transportation

**11:00 REBUILDING FOR ENDURING FREEDOM**  
Craig Johnson, Stanley Consultants, Minneapolis, MN

1st Lt. Jason Cowin, 231st Civil Engineering Flight/Task Force Coyote/FHWA – Illinois Division, Springfield, IL

**12:00 RECESS FOR LUNCH**

#### 1:30-4:30 PM SUBJECT GROUP MEETINGS

Each subject listed below is scheduled for presentation and discussion with an intermission.

#### BRIDGES AND STRUCTURES Illini Room A, Illini Union Building

Chairperson: Ralph E. Anderson, Bureau Chief of Bridges and Structures, IDOT, Springfield, IL

**1:30 PM PRELIMINARY STUDIES FOR A NEW MISSISSIPPI RIVER CROSSING FOR THE QUAD CITIES**  
Lidia Pilecky, Project Manager, CH2M Hill, Chicago, IL

**2:10 SHORTENING AN EXISTING TRUSS SPAN OF THE I-74 ILLINOIS RIVER BRIDGE**  
David Morrill, Vice-President - Senior Project Manager, Alfred Benesch & Company, Chicago, IL

**2:50 INTERMISSION - REFRESHMENTS SERVED**

**3:10 EMERGENCY RESPONSE TO A TRAIN DERAILMENT FROM A BRIDGE OVER I-57**  
Gregory Smothers, Operations Manager, IDOT, Carbondale, IL

**3:50 EVALUATION OF THE USE OF SLIP-FORMING FOR THE CONSTRUCTION OF BRIDGE PARAPETS**  
Daniel Brydl, Division Bridge Engineer, FHWA, Springfield, IL

#### TRANSPORTATION FACILITIES DESIGN, CONSTRUCTION AND MAINTENANCE Illini Room B, Illini Union Building

Chairperson: Norman R. Stoner, Division Administrator, FHWA – Illinois Division

**1:30 REDUCED CONSTRUCTION TIME THROUGH INNOVATIVE PROJECT DELIVERY**  
Dan Sanayi, Construction & System Preservation Engineer, FHWA, Washington, D.C.

**2:10 ASSET MANAGEMENT—A COMPREHENSIVE APPROACH TO MANAGING RESOURCES AND THE TRANSPORTATION SYSTEM**  
Kirk T. Steudle, Chief Deputy Director, Michigan Department of Transportation

**2:50 INTERMISSION - REFRESHMENTS SERVED**

**3:10 THE CHALLENGE OF CONNECTING THE ROAD TO THE BRIDGE**  
Hal Wakefield, Infrastructure and Technology Team Leader, FHWA – Illinois Division, Springfield, IL

#### LOCAL ROADS AND STREETS Illini Room C, Illini Union Building

Chairperson: Robert B. Andrews, County Engineer, Vermilion County

**1:30 PM RETROREFLECTIVITY STANDARDS UPDATE**  
Mike Staggs, Mobility and Safety Team Leader, FHWA – Illinois Division, Springfield, IL

**2:10 ADA TRUNCATED DOME REQUIREMENTS: INSTALLATION LESSONS LEARNED**  
David A. Dratnol, Village Engineer, Lombard, IL  
Ed Benesh, Civil Engineering Technician

**2:50 INTERMISSION - REFRESHMENTS SERVED**

**3:10 PAVEMENT PRESERVATION PROJECT IN FULTON COUNTY**  
William C. Kuhn, Fulton County Engineer, Canton, IL

**3:50 SEALCOAT APPLICATIONS AND COLD MIX FOR PAVEMENT MAINTENANCE**  
Bill Pine, Heritage Research Group/Emulsicoat, Inc., Urbana, IL

#### HIGHWAY AND TRAFFIC ENGINEERING AND OPERATIONS Room 314-A, Illini Union Building (Third Floor, North Side)

Chairperson: Priscilla Tobias, State Safety Engineer, IDOT, Springfield, IL

**1:30 PM FUTURE TRAFFIC PROJECTION MODEL**  
Rob Robinson, Office of Planning & Programming, IDOT, Springfield, IL

**2:10 GIS APPLICATIONS**  
Cecil Renshaw, Bureau of Information Processing, IDOT, Springfield, IL

**2:50 INTERMISSION - REFRESHMENTS SERVED**

**3:10 ILLINOIS ITS STRATEGIC PLAN AND REGIONAL ARCHITECTURES**  
Scott Lee and David Zavatterro, ITS Program Officers, IDOT

**3:50 MEDIAN CROSSOVER CRASHES: THE PROBLEM AND THE SOLUTION**  
Dave Piper, IDOT, Springfield, IL

**RECESS FOR THE DAY**

**5:00 ANNUAL FISH FRY AT ILLINOIS CONCRETE COMPANY**  
(Plant on North Edwin Street, Champaign)

WEDNESDAY  
FEBRUARY 23, 2005

**GENERAL SESSION**  
Illini Rooms, Illini Union Building

Chairperson: Kevin Burke,  
Technology Transfer Program  
Manager, Bureau of Local  
Roads and Streets, IDOT,  
Springfield, IL

**8:30 DESIGN-BUILD**

**AM** David Downs, President,  
Downs Consulting, Inc.,  
Castle Rock, CO

**9:10 IDOT TERRORISM TASK  
FORCE, HOMELAND  
SECURITY**

Tom Korty, Policy & Safety  
Manager, Bureau of  
Operations, IDOT, Springfield, IL

**9:55 AWARD PRESENTATIONS  
2004 IDOT ENGINEER AND  
TECHNICIANS OF THE  
YEAR**

Victor A. Modeer, Director of  
Highways Chief Engineer,  
IDOT, Springfield, IL

**ILLINOIS ASSOCIATION OF  
COUNTY ENGINEERS**

William Lorence, President,  
Illinois Association of County  
Engineers

**ILLINOIS DIVISION FHWA**  
Norman R. Stoner, Division  
Administrator, FHWA – Illinois  
Division

**10:15 INTERMISSION -  
REFRESHMENTS SERVED**

**TRANSPORTATION PLANNING  
AND FUNDING PERSPECTIVES**

**10:30 THE FEDERAL VIEW**

J. Richard Capka, Deputy  
Administrator, FHWA,  
Washington, D.C.

**11:15 THE ILLINOIS VIEW**

Timothy W. Martin, Secretary  
of Transportation, IDOT,  
Springfield, IL

**12:00 ANNUAL LUNCHEON**

**PM Illini Room C**  
Price \$16.00 per plate.  
Tickets should be purchased  
before noon on Tuesday,  
February 22.

**12:45 INTRODUCTIONS OF  
TRANSPORTATION/  
HIGHWAY AGENCY  
REPRESENTATIVES**

Presiding: William G. Buttler,  
T.H.E. Conference Director

**FEDERAL HIGHWAY  
ADMINISTRATION**

Norman R. Stoner, Illinois  
Division Administrator

**ILLINOIS DEPARTMENT  
OF TRANSPORTATION**

Victor A. Modeer, Director of  
Highways Chief Engineer

**ILLINOIS COUNTIES**

William Lorence, President,  
Illinois Association of County  
Engineers

**ILLINOIS MUNICIPALITIES**

Robert D. Hotz, Chairman,  
Public Works Section, Illinois  
Municipal League

**TOWNSHIPS AND ROAD  
DISTRICTS**

Robert E. Porter, President,  
Township Commissioners  
Division, Township Officials  
of Illinois

**LUNCHEON  
PRESENTATION:**

Andy Dallas,  
magician/illusionist

**CONCLUSION OF T.H.E.  
CONFERENCE FOR 2005**

T.H.E. CONFERENCE  
ADMINISTRATION, 2005

**Department of Civil &  
Environmental Engineering  
University of Illinois at  
Urbana-Champaign**

David Daniel, Dean, College of  
Engineering

Robert H. Dodds, Jr., Head,  
Department of Civil &  
Environmental Engineering  
William Buttler, Conference  
Director

Marshall Thompson, Emeritus  
Professor, Past Conference  
Director

**Illinois Department of  
Transportation**

Timothy W. Martin, Secretary of  
Transportation

Victor A. Modeer, Director of  
Highways Chief Engineer

**Illinois Association of County  
Engineers**

William Lorence, President,  
DeKalb County

Darrell Cates, Vice President, St.  
Clair County

Craig Fink, Secretary-Treasurer,  
DeWitt County

**Public Works Section, Illinois  
Municipal League**

Kenneth A. Alderson, Executive  
Director, Illinois Municipal League  
Robert D. Hotz, Chairman, Public  
Works Committee

**Township Officials of Illinois**

Barbara M. Weyrick, President  
Bryan E. Smith, Executive Director

**Associated General Contractors  
of Illinois**

Steve Halverson, President  
Eric Fields, Executive Director

**Illinois Association of Highway  
Engineers**

Terry McCleary, Chairman of the  
Board

**Illinois Division, Federal  
Highway Administration**

Norman R. Stoner, Division  
Administrator

**Office of Continuing Education,  
University of Illinois**

James Onderdonk, Head,  
Conferences & Institutes  
David Ward, Program Coordinator,  
T.H.E. Conference

## Recommended Lodging and Parking

For lodging during the conference, please call the hotel of your choice directly to make a reservation. The planning committee recommends the Chancellor Hotel (217-352-7891, 1501 S. Neil Street, Champaign). Hawthorn Suites and the Illini Union do not have any more rooms available. The Illinois Association of Highway Engineers is sponsoring a shuttle from the Hawthorn and Chancellor to the Union. Please do not park at those hotels if you are not staying there. Other hotel options relatively close to campus include the Hampton Inn (800-426-7866) and the Historic Lincoln Hotel (800-251-1962). Free parking is available for all participants in the southeast section of Lot E-14, located west of the Assembly Hall in Champaign. Free shuttles will be available from this lot to the Union. Please see the website for detailed parking information and more hotel options.

If anyone wishes to get in touch with you at the Illini Union during the conference, have them call 217-840-0794 and leave a message.

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at Urbana-Champaign

## REGISTER NOW!

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#### 1. Web registration

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#### 2. Fax registration form to

217-333-9561

(available 24 hours a day)

#### 3. Call 217-333-2880 or

877-455-2687 to register by

phone.

#### 4. Mail registration form and payment to

T.H.E.

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University of Illinois

162 Administration Building

506 South Wright Street

Urbana, IL 61801

1. Name

2. Name

3. Name

Organization

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City County State

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Would you like to receive future program notifications by e-mail?  Yes  No

E-mail

### REGISTRATION FEES

Program Fee - \$45.00 +  Lunch - \$16.00 = Total Enclosed

**Method of Payment:** (Prepayment is required)

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