

Transportation and Highway Engineering Conference

February 24-25, 2004
University of Illinois
at Urbana-Champaign

REGISTER NOW!

90th Annual T.H.E. Conference • Account No.1-903259-912009-305300-199000 • FEIN #376000511

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1. Name

2. Name

3. Name

Organization

Address

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)

- Check enclosed* (Make checks payable to the University of Illinois)
- I prefer to pay by credit card*
- Visa Master Card American Express Discover

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Expiration Date

Signature of card holder

Please use this registration form as your invoice. You will not receive an additional bill.

FOUR EASY WAYS TO REGISTER

1. Web registration
www.conferences.uiuc.edu/the

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.
Cashiering Office
University of Illinois
162 Administration Building
506 S. Wright Street
Urbana, IL 61801



Interstate 70 - Clark County

February 24-25, 2004
Illini Union
University of Illinois
at Urbana-Champaign

Transportation and Highway Engineering Conference

www.conferences.uiuc.edu/the

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. 2004
February 24-25, 2004

CONFERENCE PROGRAM

Future Conference Dates

STRUCTURAL ENGINEERING
April 1, 2004

ILLINOIS TRAFFIC
ENGINEERING AND SAFETY
October 28 and 29, 2004

BITUMINOUS PAVING
December 9, 2004

TRANSPORTATION AND
HIGHWAY ENGINEERING 2005
February 22 and 23, 2005

T.H.E. Conference Program Committee

Robert B. Andrews
County Engineer, Vermilion
County

Kevin Burke
Illinois Department of
Transportation, Springfield

Thomas Dagley
Illinois Association of Highway
Engineers, Paris

David Dratnol
Representing Illinois Municipal
League, Lombard

George E. Jones
Illinois Division, Federal Highway
Administration, Springfield

Dale Shultz
Township Highway
Commissioners, Township
Officials of Illinois, Clifton

Tim Zahn
Illinois Department of
Transportation, Springfield

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

TUESDAY,
FEBRUARY 24, 2004

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

GENERAL SESSION Illini Room, Illini Union Building

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

**9:00 UNION PACIFIC'S GLOBAL
III INTERMODAL FACILITY**
Ken Wise, Director of
Economic Development,
Rochelle, IL

**9:40 PUNISHING PAVEMENTS
IN THE INTEREST OF
SCIENCE: ATLAS!**
Jeff Roesler, University of
Illinois at Urbana-Champaign

**10:20 INTERMISSION -
REFRESHMENTS SERVED**

10:40 PAVESMART
Steven B. Dunn, PaveSmart,
Stone Mountain, GA

**11:20 I-70 RECONSTRUCTION:
RUBBLIZATION AND FULL-
DEPTH BITUMINOUS
PAVEMENT**
Greg Idleman, IDOT,
District 5, Paris, 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 C, Illini Union Building

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

**1:30 RESTORATION OF THE
HISTORIC MISSISSIPPI
RIVER EADS BRIDGE**
Michael Cronin, Project
Manager/Engineer, Jacobs
Civil, Inc., St. Louis, MO

**2:10 REHABILITATION OF THE
I-90 SKYWAY BRIDGE
OVER THE CALUMET
RIVER**
Elizabeth Gallagher, Project
Manager, CTE, Inc., Chicago, IL
Bradley Radovich, Project
Engineer, CTE, Inc., Chicago, IL

**2:50 INTERMISSION -
REFRESHMENTS SERVED**

**3:10 I-74 AND ROCK RIVER
BRIDGE
RECONSTRUCTION
PROJECTS**
David Scott, Resident
Engineer, IDOT, Dixon, IL

**3:50 USING ACOUSTIC
SENSORS TO MONITOR
STRUCTURAL CABLE
PERFORMANCE**
Michael Higgins, Regional
Manager, Pure Technologies,
Columbia, MD

TRANSPORTATION FACILITIES DESIGN, CONSTRUCTION AND MAINTENANCE Illini Room A, Illini Union Building

Chairperson: Christine Reed,
District Engineer, District 6

**1:30 PLANNING AND
DESIGNING INTERSTATE
80/94 (KINGERY
EXPRESSWAY) TBD,
IDOT, District I,
Schaumburg, IL**

**2:10 RECONSTRUCTION OF
INTERSTATE 290**
Mary Ellen Mack, Resident
Engineer IDOT, District 1

**2:50 INTERMISSION -
REFRESHMENTS SERVED**

**3:10 NON-DESTRUCTIVE
TESTING AT IDOT**
LaDonna Rowden, Engineer
of Pavement Technology,
IDOT, Bureau of Materials
and Research

Sharon Haasis, Research
Engineer, IDOT, Bureau of
Materials and Physical
Research

Charles Wienrank, Pavement
Analysis Engineer, IDOT,
Bureau of Materials and
Physical Research

LOCAL ROADS AND STREETS Room 314-B, Illini Union Building (Third Floor, South Side)

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

1:30 MUTCD UPDATE
Gary Galecki, Program
Development Engineer, IDOT,
Bureau of Local Roads,
Springfield, IL

**2:10 RETROREFLECTIVITY
UPDATE**
Mike Staggs, Mobility and
Safety Team Leader, FHWA
- Illinois Division, Springfield, IL

**2:50 INTERMISSION -
REFRESHMENTS SERVED**

**3:10 SEALCOAT OIL/
PREVENTATIVE
MAINTENANCE**
Bill Pine, Heritage Research
Group/Emulsicoat, Inc.,
Urbana, IL

**3:50 BUILDING GIS WITH
LIMITED RESOURCES**
David A. Dratnol, P.E., Village
Engineer, Lombard, IL
Dan Price, GIS Technician,
Lombard, IL

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

Chairperson: Norman R.
Stoner, Division Administrator,
Federal Highway
Administration, Illinois Division

**1:30 GIS: USE AND PLANNED
GROWTH**
Ben Williams, Metropolitan
Planning Specialist, FHWA
Resource Center, Atlanta, GA

**2:10 INTERACTIVE HIGHWAY
SAFETY DESIGN MODEL**
Ray Krammes, Federal
Highway Administration,
McLean, VA

**2:50 INTERMISSION -
REFRESHMENTS SERVED**

**3:10 CHANGES IN HIGHWAY
LIGHTING REQUIREMENTS**
Marty Anderson, IDOT,
District 1, Schaumburg, IL
Ramesh Gupta, Alfred
Benesd and Co., Chicago, IL

**3:50 WINTER HIGHWAY
OPERATIONS - EMERGING
TECHNOLOGIES**
Harold Dameron, IDOT,
Springfield, IL

RECESS FOR THE DAY

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

WEDNESDAY
February 25, 2004

GENERAL SESSION Illini Room, Illini Union Building

Chairperson: Barry J.
Dempsey, Professor
Emeritus of Civil Engineering,
University of Illinois at
Urbana-Champaign

**8:30 WORK ZONE SAFETY
TASK FORCE**
Victor A. Modeer, Director of
Highways, Springfield, IL

**9:10 DESIGNING BRIDGES FOR
SECURITY**
Eric Williamson, Assistant
Professor, The University of
Texas at Austin

**9:55 AWARD PRESENTATIONS
2003 IDOT ENGINEER AND
TECHNICIANS OF THE
YEAR**
Victor A. Modeer, Director of
Highways

**ILLINOIS ASSOCIATION OF
COUNTY ENGINEERS**
Star L. Rheyndard, President,
ILLINOIS DIVISION FHWA
Norman R. Stoner, Division
Administrator

**10:15 INTERMISSION -
REFRESHMENTS SERVED**

TRANSPORTATION PLANNING AND FUNDING PERSPECTIVES

**10:30 TRANSPORTATION
PLANNING AND FUNDING
PERSPECTIVES - THE
FEDERAL VIEW**
Joe Tool, Associate
Administrator of Professional
Development, Federal
Highway Administration,
Washington, DC

11:15 THE ILLINOIS VIEW
Timothy Martin, Secretary of
Transportation, IDOT,
Springfield, IL

12:00 ANNUAL LUNCHEON
Illini Room C
Price \$16.00 per plate.
Tickets should be purchased
before noon on Tuesday,
February 24.

**12:45 INTRODUCTIONS OF
TRANSPORTATION/
HIGHWAY AGENCY
REPRESENTATIVES**
Presiding: William G. Buttlar,
T.H.E. Conference Director

**FEDERAL HIGHWAY
ADMINISTRATION**
Norman R. Stoner, Illinois
Division Administrator

**ILLINOIS DEPARTMENT OF
TRANSPORTATION**
Victor A. Modeer, Director of
Highways, IDOT

ILLINOIS COUNTIES
Star L. Rheyndard, President,
Illinois Association of County
Engineers

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

TOWNSHIPS AND ROAD DISTRICTS

Dale Schultz, President,
Township Highway
Commissioners, Township
Officials of Illinois

LUNCHEON PRESENTATION:

**FUTURE DEVELOPMENT
OF NEW VALMYER'S
ABANDONED LIMESTONE
MINE**
Geri Boyer, Thouvenot, Wade
& Moerchen, Inc., Swansea, IL

CONCLUSION OF T.H.E. CONFERENCE FOR 2004

T.H.E. CONFERENCE ADMINISTRATION, 2004

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

David Daniel, Dean, College of
Engineering

Nicholas Jones, Head, Department
of Civil & Environmental
Engineering

William Buttlar, 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

Illinois Association of County Engineers

Star L. Rheyndard, President,
Mercer County

William Lorence, Vice President,
DeKalb County

Darrel Cates, Secretary-Treasurer,
St. Clair 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

Robert A. Porter, President
Bryan E. Smith, Executive Director

Associated General Contractors of Illinois

Bob Fulton, 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

David Schejbal, Director &
Associate Provost

James Onderdonk, Head -
Conferences & Institutes

David Ward, Program Coordinator -
THE Conference

Recommended Lodging and Conference Shuttle

For housing during the conference, please call the hotel of your choice directly to make reservations. The planning committee recommends the Hawthorn Suites (217-398-3400, 101 Trade Centre Drive, Champaign) or the Chancellor Hotel (217-352-7891, 1501 South Neil Street, Champaign).

A shuttle to the Illini Union will be provided from the Hawthorn (the Chancellor is located across from the street from the Hawthorn).

If anyone wishes to get in touch with you at the Illini Union during the T.H.E. conference, have them call 217-333-2865 and leave a message.