

98th Annual Purdue Road School

AGENDA



March 6 - 8, 2012

Stewart Center

Purdue University

West Lafayette, IN

PURDUE
UNIVERSITY

Table of Contents

Road School Events

General Information

Opening Session

Workshops

Exhibitors

PURDUE
U N I V E R S I T Y



Welcome to the 98th Annual Purdue Road School

The 2012 Purdue Road School builds upon a rich tradition established by our predecessors dating to Professor W.K. Hatt's efforts to organize a Civil Engineering conference in 1913. This year's program has 124 Sessions organized in 24 tracks that were developed in collaboration with colleagues throughout the industry. We are pleased not only by the technical content that has been developed, but also by the rich history of the Purdue Road School. Many of you helped shape much of the signature Indiana transportation infrastructure or were personal friends of the previous Purdue Road School leaders. As you page through this outstanding technical program, please take a moment to read a brief summary of the Purdue Road School history as well as reflect on the contributions of our predecessors in building the transportation infrastructure and defining the Purdue Road School that serves Indiana today.

Darcy M. Bullock, Ph.D., P.E.

Professor of Civil Engineering and Director of the Joint
Transportation Research Program, Purdue University

John E. Haddock, Ph.D., P.E.

Associate Professor of Civil Engineering and Director of
the Indiana Local Technical Assistance Program, Purdue
University

Opening Session

**Tuesday, March 6, 2012
9:00 a.m. – 11:00 a.m.
Loeb Theatre, Stewart Center**

Remarks by:

Michael B. Cline, INDOT Commissioner

Jon Costas, Valparasio Mayor

Kirk Steudle, Michigan Transportation Director
and AASHTO President

Robert Tally, FHWA Indiana Division Administrator

For more detail see page.....

Exhibitor Luncheon

**Tuesday, March 6, 2012
11:00 a.m. – 1:50 p.m.
North and South Ballrooms
Purdue Memorial Union**

Road School attendees are invited to visit with the exhibitors and enjoy a sandwich buffet lunch. Name badges are required for admission. Participating exhibitors are listed on the back cover of this program.

Adjacent to the xxxx Ballroom, students will be exhibiting posters showing recently completed research activities. Please take this opportunity to stop by visit with the students and learn about emerging innovations in transportation.

Welcome Reception

All Road School attendees are invited to attend the Welcome Reception sponsored by the vendor friends of Road School. The reception will be from 5:00 p.m. – 7:00 p.m. at the Four Points Sheraton-West Lafayette Hotel, 1600 Cumberland Avenue, West Lafayette.

Road School Luncheon

Wednesday, March 7, 2012

11:00 a.m. – 1:00 p.m.

North & South Ballroom

Purdue Memorial Luncheon



Keynote Speaker Governor Mitch Daniels

Governor Daniels last spoke at the Road School Luncheon in 2006 when he was launching Major Moves. Since then \$6.6 billion has been invested in major new construction and preservation projects. Governor Daniels will provide an update on the status of Major Moves and the impact it is having throughout the state.

Tickets are sold in advance. A limited number of \$20 tickets may be released at 10:00 a.m. the day of the luncheon. Please inquire at the Road School Registration desk in Stewart Center.

ITE Banquet

Institute of Transportation Engineers (ITE) Annual Scholarship Banquet is scheduled for Wednesday, March 7, at the Dauch Alumni Center in West Lafayette from 5:30 p.m. – 8:00 p.m. Advance sale tickets are required for attendance.

Association Meetings

Association Meetings have been scheduled for Thursday, March 8. Time and location of the meetings are included in the agenda on page xxx

Road School History



In January 1913 the head of Purdue's Civil Engineering School, Prof. W.K. Hatt, initiated the Civil Engineering Conference to support county surveyors and city engineers in their development and maintenance of Indiana's system of roads and streets. At a subsequent Civil Engineering Conference in 1914, a resolution was passed calling for a state statute requiring a yearly School of Good Roads to be "the official school of instruction and meeting of County Road Superintendents". (That resolution became law in 1921.) In 1915 the Civil Engineering Conference was renamed the Purdue Road School. This brochure shows the 2012 Purdue Road School as the 98th, based on the 1915 adoption of the name, but it is actually the 100th road conference at Purdue.

Adapted from remarks prepared by Harold Michael in 1987.

The full manuscript is available at <http://docs.lib.purdue.edu/jtrpdocs/2/>.

To recognize this rich history, this program contains many old photographs obtained from both the Purdue Archives. Historical highways photos are from the collection of Bob Harrell of Seymour and former INDOT employee.



Purdue Road School Today

The Purdue Road School is a great Indiana tradition that brings together state officials, local professionals, industry, consultants, academia and elected officials. Over the last three years you have seen the introduction of “Tracks” that are focused on both traditional topics such as pavements and bridges, as well as timely topics such as the 2012 Super Bowl. Behind the scenes a substantial number of volunteers and professionals are involved in developing the technical program and coordinating the logistics. The names of those individuals serving on the Administrative Committee and Track Leader Committee are listed below along with a short description of the committee they served on.

The Purdue Road School Administrative Committee works closely with the Purdue Extended Campus Conference Division on the event planning logistics and production of the program. They are responsible for coordinating behind the scenes activities ranging from the on-line registration software to the production of the conference agenda.

The Purdue Road School Track Leader Committee develops and shape the technical content of the Purdue Road School Program which includes 124 Sessions organized in 24 tracks. We would like to increase membership in the Track Leader Committee to broaden the participation of stakeholders and increase our peer-review of the program during the development stage. If you would like to volunteer to participate in the development of 2013 Purdue Road School Program, please send email to roadschoolconf@purdue.edu with your contact information.

2012 COMMITTEE

CHAIRMEN

Darcy M. Bullock, Ph.D., P.E.
Professor of Civil Engineering and Director of the Joint
Transportation Research Program, Purdue University

John E. Haddock, Ph.D., P.E.
Associate Professor of Civil Engineering and Director of the
Indiana Local Technical Assistance Program, Purdue University

ADMINISTRATIVE COMMITTEE

Deborah Horton, JTRP
John Habermann, Indiana LTAP
Lisa Calvert, Indiana LTAP
Emily Warter, Purdue Conferences
Stephanie Botkin, Purdue Conferences

TRACK LEADER COMMITTEE

Audra Blasdel, INDOT
Mark Bowman, Purdue University
Thomas Brennan, Purdue University
Lisa Calvert, Purdue University
Neal Carboneau, Purdue University
Richard Domonkos, Purdue University
Elizabeth Dwyre, Parsons Brinckerhoff
Ryan Gallagher, INDOT
John Habermann, Purdue University
John Haddock, Purdue University
Latosha Higgins, INDOT
Mike Holowaty, INDOT
Daniel Keefer, FHWA
Chris Knochel, Newton County
Mark Miller, INDOT
Chuck Muller, Indiana 811
Jennifer Pyrz, Parsons Brinckerhoff
Laura Slusher, Purdue University,
Jim Stark, INDOT
John Thomas, Area Plan Commission of Tippecanoe County
Matt Thomas, INDOT
Will Tolbert, RW Armstrong
Todd Shields, INDOT
Jay Wasson, INDOT
John Wright, INDOT

GENERAL INFORMATION

Information Desk

The Road School Registration Desk is located in the east foyer of Steward Center and is open from 7:00 a.m. to 5:p.m. on March 6 and 7. Please visit the Registration Desk at anytime during the conference for information to help you navigate the event.

Be Informed

During registration, attendees have the option to sign up for email text messages or email alerts about conference events and up-dates on last minute changes. Standard messaging rates will apply and you have the opportunity to opt out at any time.

Wireless Internet

For wireless internet service during the conference, log on to SSID “Purdue Conferences.” To log in, please enter the password *winterconf* . Next you will need to open a web browser and enter a valid email address.

Indiana LTAP Directories

Visit Indiana LTAP in Stewart Room 311 to pick up your copy of the 2012 Directory of Indiana State, County, City, and Town Officials Responsible for Road and Street Work.

Smoke-Free Policy

Smoking is not permitted on campus except in a limited number of designated areas. Smoking can occur outside of the southwest corner of Purdue Memorial Union and the southeast corner of Stewart Center, For more information on the policy, including a map of the designated smoking areas, see www.purdue.edu/smokefree.

Purdue E-Pubs

In 2011, Purdue University e-Pubs began digitally archiving presentations from Road School. You may access presentations made available by 2011 Road School presenters at this site: <http://docs.lib.purdue.edu/roadschool/>

2012 Road School presenters will again have the opportunity to archive their presentations from this year's event. We hope you will find the archived presentations a valuable resource after Road School is concluded.

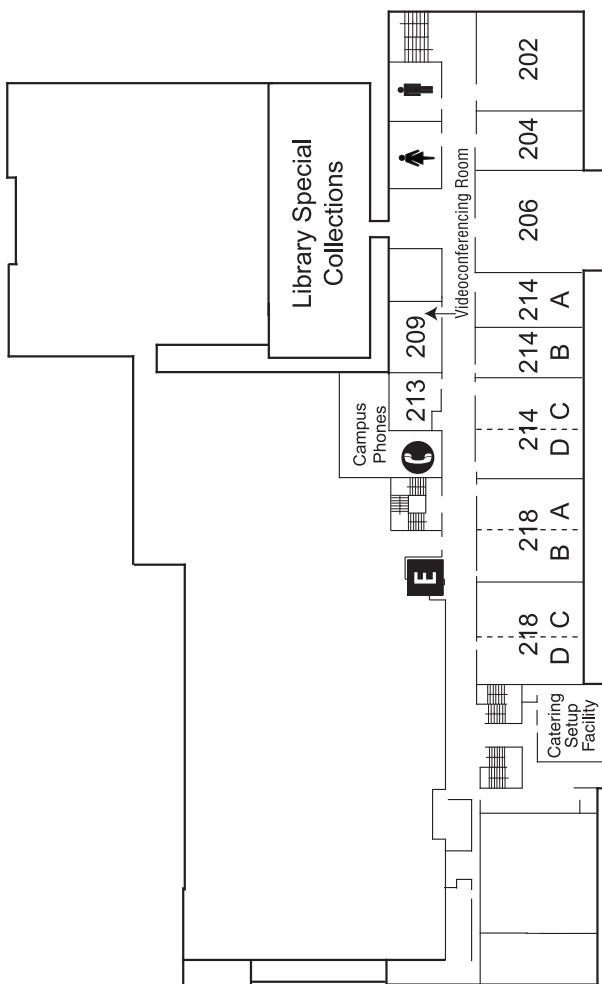
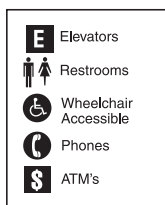


PDH/CEU

Professional Development Hours (PDH)/Continuing Education Units (CEU) are available for many sessions. PDH/CUE's are a standardized, nationwide method of recognition for participation in approved, noncredit educational activities. Attendance at the entire session is required for credit. Details regarding PDH/CEU eligibility are provided with the session descriptions.

In order to register for PDH/CEU credit you must have a name badge. A bar code on your name badge will be scanned as you enter each eligible session. The PDH/CEU that you obtain at this conference will be registered with Purdue University Extended Campus free of charge. To obtain a transcript, you may request one for a fee of \$6. A PDH/CEU help desk will be available during the conference for those who have questions or who wish to purchase a transcript.

Please note: Recordkeeping for your PDH/CEU requirements is your responsibility. You **MUST** have your name badge scanned for the PDH/CEU to be registered with Purdue University. Purdue will not be able to provide verification of your attendance at a later date if you did not scan your badge for each session attended. No PDH/CEU credit will be awarded once the conference has ended.



SECOND FLOOR STEWART CENTER



Pages 12 & 13

Hourly Schedule for Tuesday, March 6

Page 17

Hourly schedule for Thursday, March 8

Same format as March 6

Note – Eliminate Sessions at a Glance (pages 8 – 12) from 2011 program

Eliminate Create Your Schedule (page 19) from 2011 program

98th Annual Road School

Opening Session

Tuesday, March 6

9:00 a.m. – 11:00 a.m.

Location: Loeb Theatre, Stewart Center

Welcome

Darcy Bullock, Joint Transportation Research
Program Director, Purdue University

Suresh Garimella, Associate Vice President for
Engagement, Purdue University

Robert Tally, Indiana Division Administrator,
Federal Highway Administrator

Keynote Speakers

Kirk Steudle, Michigan Transportation Director
and AASHTO President

Jon Costas, Valparaiso Mayor

Michael B. Cline, INDOT Commissioner

Indiana Partnership for Transportation Quality Awards Recognition

Master Road Builder Recognition

Question and Answer Panel

43 Successful Citizen Service

Date: Wednesday, March 9

Time: 9 a.m. - 9:50 a.m.

Room: Stewart 306

The Memorandum on Transparency and Open Government states: "Executive departments and agencies should harness new technologies to put information about their operations and decisions online and readily available to the public." This session will help local agencies find more efficient ways to share information, provide services, and provide real-time automated self-service to its citizens through the use of online business tools and social networking sites.

Moderator: Karen Avery
Director of Communications
Association of Indiana Counties

Speaker: Pam Broviak
Assistant Director of Public Works/
City Engineer
City of Geneva, IL

Road School 2012

This program belongs to:

Name

Company

Professional License Number

Total PDH Earned: _____

Sessions attended:

Keep this conference program with your records to verify PDH/CEU earned at this conference.

To request a transcript.....

2012 PURDUE ROAD SCHOOL LUNCHEON AND BREAK SPONSORS

3M Traffic Safety Systems
A & Z Engineering
Advanced Drainage Systems, Inc.
Alamo Industrial
American Structurepoint, Inc.
Asphalt Pavement Association of Indiana
Atlas EPS
Avery Dennison
Beam, Longest and Neff, LLC
Burgess & Niple, Inc.
CDM Smith
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Terry Asphalt Materials, Inc.
The Hoosier Company, Inc.
The Klink Group of Companies
The Reinforced Earth Company
United Consulting
VS Engineering, Inc.
West Side Tractor Sales Company
Williams Aerial & Mapping, Inc.