90th Annual
Purdue Road School

March 10 & 11, 2004
Stewart Center • Purdue University
### Conference At a Glance

**Monday, March 11**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00</td>
<td><strong>Road School Registration</strong></td>
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<tr>
<td>8:00</td>
<td><strong>City Engineers Meeting</strong></td>
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<tr>
<td>8:30</td>
<td>County Auditors Meeting (201)</td>
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<tr>
<td>9:00</td>
<td>County Commissioners Meeting (314)</td>
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<tr>
<td>9:30</td>
<td>Indiana Street Commissioners Meeting (PMU-E. Fac.)</td>
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<tr>
<td>10:15</td>
<td>INDOT Meeting Part I (218A-D)</td>
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<tr>
<td>10:45</td>
<td>INDOT Meeting Part II (218A-D)</td>
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<tr>
<td>11:00</td>
<td>Round Table Discussions (PMU South Ballroom)</td>
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<tr>
<td>11:30</td>
<td><strong>Exhibitors Luncheon</strong></td>
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<tr>
<td>12:00</td>
<td><strong>Road School Luncheon</strong></td>
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**ROAD SCHOOL REGISTRATION**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>1:30</td>
<td>Correct Sensitivity Design (292)</td>
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<tr>
<td>2:00</td>
<td>GADB 24 Update (218A-D)</td>
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<tr>
<td>2:30</td>
<td>Highway Payment Selection (Notte, Safety, and Durability, 313)</td>
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<tr>
<td>3:00</td>
<td>New Methods and Tools for Pavement Evaluation and Testing (214)</td>
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<tr>
<td>3:30</td>
<td>Road Project Heritage II (202)</td>
</tr>
<tr>
<td>4:00</td>
<td>Regional Issues (318)</td>
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<tr>
<td>4:30</td>
<td><strong>County Surveyors Meeting</strong></td>
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<tr>
<td>5:00</td>
<td>**Back to Basics: Erosion Control (214A-D)</td>
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<tr>
<td>5:30</td>
<td><strong>Back to Basics: Pavement Materials and Design (306)</strong></td>
</tr>
<tr>
<td>6:00</td>
<td><strong>Recent Changes to INDOT Standard Spec's and Drawings and Design Policy (214C-D)</strong></td>
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**Road Projects Perspectives of the Transportation System (202)**

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<thead>
<tr>
<th>Time</th>
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<tr>
<td>6:30</td>
<td>INDOT 2004 Pavement Involvement Policy and Best Practices (214A-D)</td>
</tr>
<tr>
<td>7:00</td>
<td>Noise Policy/Noise Barriers (321)</td>
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<tr>
<td>7:30</td>
<td>Transportation Security 2004 (314)</td>
</tr>
<tr>
<td>8:00</td>
<td>County Surveyors Meeting (315)</td>
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<tr>
<td>8:30</td>
<td><strong>Part II of a three-hour session</strong></td>
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<tr>
<td>9:00</td>
<td><strong>Back to Basics: Erosion Control (214A-B)</strong></td>
</tr>
<tr>
<td>9:30</td>
<td><strong>Back to Basics: Pavement Materials and Design (306)</strong></td>
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**3-Hour Session**

2
**Road School Team**

Kumares Sinha, Director, Joel Transportation Research Program and Olsen Distinguished Professor of Civil Engineering, Purdue University

**Road School Co-ordinators**

Karen Heke, Program Coordinator, Joint Transportation Research Program
Tom Hark, Program Manager, Indiana LTAP

**Road School Associates**

Walt Land, Road School Liaison, INDOOT
Bob McCaulsky, Information Technology Administrator, JTPP
John Hebermann, Research Engineer, Indiana LTAP
Jerry Larson, Training Specialist, Indiana LTAP
Linda moss, Editor and Resource Specialist, Indiana LTAP
Jim Turky, Project Manager, Indiana LTAP
Marina Mondal, Secretary, Indiana LTAP
Jacylin Whitney, Secretary, JTPP

Tom Robertson, Coordination Coordinator, Center for Lifelong Learning
Transportation Graduate Research Assistant, School of Civil Engineering

**2004 Road School Steering Committee**

Bobby Randy, APA
Christine Baynes, INDOOT
Paul Breenley, ID
Greg Budig, HG Land Co., Inc.
Mike Byers, Indiana Chapter APWA
Terry Byun, INDOOT
Gary Eakin, Town of Daviess
Bill Hart, JACC
John Hebermann, Indiana LTAP
Karen Madsen, JTPP
Ron Halsted, INDOOT
David Hetz, INDOOT
Don Johnson, SQCL Purdue University
Andrew Johnson, IACT
Robert Jones, IMAA
Gary Kornick, INDOOT
Walt Land, INDOOT
Jerry Larson, Indiana LTAP
Larry Lee, City of Lafayette
Jim Low, Fether, GM
Fred Mynaring, Purdue University
Tom Martin, Indiana LTAP
Bob McCaulsky, JTPP

Mike McTague, Carroll County
Mark Miller, INDOOT
Maxine Moncel, Indiana LTAP
Dan Monroe, City of Guernseyville
Gary Mroczek, INDOOT
David Panzko, FHWA-Indiana Division
Barry Partridge, INDOOT
Linda Patillo, Indiana LTAP
Steve Powell, Ametek
Kate Quinn, FHWA-Indiana Division
Jim Reid, Indiana Public Works
Tom Robertson, Purdue University
Ruth Shedd, Tippecanoe Co.

**Concurrent Sessions**

10:15-11:45

**Financing Issues**

President: Richard Whitney, Chief Financial Officer, INDOOT

Indiana Federal Funds Received for 2004

Richard Whitney, Chief Financial Officer, INDOOT
Gary Eaton, Chief, Budget and Fiscal Management Division, INDOOT

Panel Discussion: Aspects of the New Federal Highway Bill and the State Gasoline Tax

Camine Maudlin, Assistant Deputy Commissioner for Federal Affairs, INDOOT
Jay DaMondelle, Finance Manager, FHWA-Indiana Division
Dennis Falkowski, Public Affairs Specialist, Ice Miller

Questions and Answers
**Road School Agenda**

**Wednesday March 10**

**Concurrent Sessions**

**10:15-11:45**

**Gizmos, Gadgets, and Inventions**

**Room:** 302

Corn is not the only thing we grow in Indiana... join us for a look at some “home grown” ideas supplied by highway and maintenance departments from around the state.

**Moderator:** James Reid, Publisher, Indiana PublicWorks News

**I-70 Fast Track: Relocating Roads, Creeks, and Bais at the Indianapolis International Airport**

**Room:** 310

**President:** Dennis Kuchar, Chief, Contracts and Construction Division, INDOT

Attend the session to learn the go and don’ts of relocating streams to the satisfaction of DERM and IONR from INDOT engineers who participated in last year’s I-70 project.

**Ron Heustis,** Project Manager, Contracts and Construction Division, INDOT

**Michael Wenning,** Department Manager, American Consulting Engineers

**INDOT Hyperfix Project**

**Room:** 214A-B

**President:** J. Bryan Nick, Commissioner, INDOT

This session will present in detail the issues, strategy, and implementation of the mitigation package for the Hyperfix project, which was delivered by INDOT and the City of Indianapolis in an unprecedented cooperative manner.

**Gary Mrozka,** Chief, Design Division, INDOT

**Jim Schackelford,** City of Indianapolis

**10:15-11:45**

**Netiquette...Making Sense of On-Line Communication**

**Room:** 318

Is e-mail a convenience to you or a daily annoyance? This session will cover the latest trends in e-mail etiquette, tips to promote efficiency when using e-mail and tips to ensure that annoying e-mail habits in your office. This session will also answer basic questions on how to use e-mail.

**Suzanne Kueberg,** Communications Specialist, School of Civil Engineering, Purdue University

**Overview of the Utility Relocation Task Force**

**Room:** 214C-D

**President:** Paul Beresibsky, Director of Contractor/ Government Relations, Indiana Constructors, Inc.

The panelists in the highway construction industry in Indiana—working together as the Utility Relocation Task Force—have developed recommendations to identify the problems and other solutions to the utility relocation and coordination, and relocation process, with the goal of minimizing and eventually eliminating delays in the completion of highway improvement projects. Details of these recommendations will be presented in this session.

**Richard Smutzer,** Chief Engineer, INDOT

**Ted Brunner,** Senior Vice President/Area Manager, Milestone Contractors LP

**John Scheider,** Senior Counsel, Cinergy Services, Inc.

**Break Room**

The Break Room, 205 Stewart Center, will be available to conference participants on Wednesday and Thursday, from 8:30-11:30 am and 1:30-4:30 pm.
Wednesday
March 10
Concurrent Sessions

10:15-11:45
Repair and Maintenance of Asphalt Roads
Room: 216A-1
Presenter: Lloyd Bandy, Executive Director, Asphalt Pavement Association of Indiana

Surface Preparation
Scott Shurvell, Manager, Mid-America Milling Company

Surface Treatments
Jay Longenecker, Sales Representative, Asphalt Materials, Inc.

IHRA Overlays
Dudley Bortle, Regional Quality Control Director, White-Riley Construction Co.

General Maintenance: Crack Sealing and Patching
Dave Rassell, Technical Marketing Representative, Kook Pavement Solutions

Local Geoids
Brad Cruickshank, Quality Control Manager, Milestone Constructors
Lloyd Bandy, Asphalt Pavement Association

Safety Issues
Room: 202
Presenter: Karen Slappich, Safety Program Engineer, FHWA-Indiana Division

Low Cost Safety Improvements
Rick Grumm, Safety Operations Engineer, FHWA-Illinois Division

Highway Safety Improvements, Guidelines for Indiana
Andrew Tanke, Associate Professor, School of Civil Engineering, Purdue University

Highway Safety Fund Projects - Case Studies
John Bolter, City Engineer, City of Kokomo
Dan Chapan, Traffic Manager, City of Kokomo

Traffic Signal Maintenance in Indianapolis...it Works (Most of the Time)
Room: 315
Presenter: John Burkhart, Administrator, Maintenance Services, Indianapolis Department of Public Works

Traffic Signal Maintenance Challenges
Jeff Swenson, Traffic Design Group Manager, DLZ Indiana LLC

The Indianapolis Preventative Maintenance Program
LaWally Adams, Assistant Administrator of Traffic Operations, Indianapolis Department of Public Works

New Technologies and Applications for Traffic Signals
Michael Cline, Project Manager, Americana Consulting Engineers, Inc.
Wednesday
March 10

Concurrent Sessions

1:30-3:00
Back to Basics: Drainage Issues
Part I (3 CEU)
Room: 314

Speakers will address the legal aspects of drainage, including an outline of statutes and case law. Also, private drainage issues and the "common enemy rule" will be discussed.

Speaker Pending

Back to Basics: The ABCs of Federal Highway Funds Part I (3 CEU)
Room: 306
President: Richard Whitney, Chief Financial Officer, INDOT

Overview of State and Federal Fuel Tax and How Indiana Obeys Federal Funds
Richard Whitney, Chief Financial Officer, INDOT
Gary Eaton, Chief, Budget and Fiscal Management Division, INDOT

The Process for Obtaining Federal Funds
David Holtz, Chief, Program Development Division, INDOT

Chainsaw Safety and Arborist Techniques
Room: 204
Do you need a refresher in the proper and safe operation of a chainsaw and safe methods for trimming and falling trees? You will get it in this session and will also learn the proper techniques of free trimming to save time during the process and reduce the need for follow-up trimming.

Rick Bryan, Trainer, Bryan Equipment, Loveland, Ohio

INTERESTED IN BRUSHING UP ON YOUR PLAN READING SKILLS ON YOUR OWN TIME OR TRAINING NEW STAFF WITH LESS EFFORT? THE STRIP BRIDGE AND PLAN READING CD COURSES ARE AVAILABLE FOR PURCHASE NOW AT THE ROAD SCHOOL REGISTRATION DESK.
Wednesday
March 10
Concurrent Sessions

1:30-3:00

Environmental Issues Part I
Room: 318
Presenter: Lynn Corson, Director, Indiana Center Manufacturing Technology and Safe Materials, Institute, Purdue University

Greenfield Area Constructed Wetlands for Waste
Water Treatment
James Allman, Professor, School of Civil Engineering, Purdue University

Hamilton County Storm Water Management, Rule 13
Kent Ward, County Surveyor, Hamilton County

From Right-of-Way to Letting
Room: 302
Presenter: Greg Budd, President, HSI-landAg Corporation

A Right-of-Way Overview
Kevan McClure, Chief, Land Acquisition Division, INDOT

Improving the Land Acquisition Process
Daves Eubanks, The Cornado Group

Better Right-of-Way Engineering Practices
Ron Raney, Manager, Right-of-Way Engineering, Land Acquisition Division, INDOT

Questions and Answers

Maintenance Issues Part I
Room: 214A-12
Presenter: Terry Byam, Operations Engineer, Seymour District, INDOT

Micro-Truss Remote-Controlled Excavator for Cleaning Small Drainage Structures
Jerry Thompson, Operations Engineer, Vincennes District, INDOT
Richard Thomas, Operations Support Engineer, Vincennes District, INDOT

Control of Noxious Weeds - Why and How
Clyde Mason, Landscaping Architect, Greenfield District, INDOT

INDOT's Small Structures Program
Tony McCallum, Field Engineer, Operations Support Division, INDOT
Mike Ryan, Maintenance Field Supervisor, Seymour District, INDOT

Break Room

The Break Room, 206 Stewart Center, will be available to conference participants on Wednesday and Thursday, from 8:30-11:30 a.m. and 1:30-4:30 p.m.
Wednesday
March 10
Concurrent Sessions
1:30-3:00
Repair and Maintenance of Concrete Roads
Room: 218-A-D
In this session you will hear various strategies and options for rehabilitating all types of concrete pavements, proper application of the strategies to the pavement type, and the expected performance of the rehabilitation.

Michael Byers, Executive Director, Indiana Chapter, American Concrete Pavement Association

Safety Issues II
Room: 307
Presider: Karin Stiglich, Safety Program Engineer, FHWA-Indiana Division

Setting Rational Speed Limits
Cindy Coddington, Traffic Supervisor, Tippecanoe County
Maria Drake, Associate Director, Center for the Advancement of Transportation Safety, Purdue University

Construction Work Zone Safety
Darcy Bullock, Professor, School of Civil Engineering, Purdue University

Crash Data Analysis - The "Modern" Indiana
Robert Zehke, Director, Center for the Advancement of Transportation Safety, Purdue University

Break Room
The Break Room, 209 Stewart Center, will be available to conference participants on Wednesday and Thursday, from 9:30-11:30 a.m. and 1:30-4:30 p.m.
Road School Agenda

Wednesday
March 10
Concurrent Sessions

1:30-3:00
What are the Basics of a Good Road?
Part I (3 CEU)
Room: 313
Presenter: Jon Fricker, Professor, School of Civil Engineering, Purdue University

Fundamentals of Road Design
Nrud Bhaksh, Plan Development Section Manager, Design Division, INDOT

Asphalt Materials Selection
Dudley Bente, Regional Quality Control Director, Retha-Riley Construction Co.

Concrete Materials Selection
Michael Byers, Executive Director, American Concrete Pavement Association, Indiana Chapter

Back to Basics: Drainage Basics Part II (3 CEU)
Room: 314
Speakers will address the legal aspects of drainage, including an outline of statutes and case law. Also, private drainage issues and the "common enemy rule" will be discussed.
Speaker Pending

Back to Basics: The ABCs of Federal Highway Funds Part II (3 CEU)
Room: 306
The Project Selection Process
Carter Keath, Program Manager, Program Development Division, INDOT
The INDSY Project Tracking Process
Ennio Canzian, Local Transportation Manager, INDOT
Pitfalls to Avoid and Best Practices

Compatibility of Land Use and Transportation Planning
Room: 202
Issues of workplace communication and leadership will be addressed in this interactive workshop. The title, from the movie "Cool Hand Luke," will serve as an introduction to exploring our communication behaviors. But there is more. The title has been identified as THE problem in too many situations, where it isn't the communication at all! We will try to pinpoint the elusive "what it is" to enhance workplace performance.
Daniel Lybrook, Associate Professor, Organization Leadership, Purdue University

Wednesday
March 10
Concurrent Sessions

3:15-4:45
Back to Basics: Drainage Basics Part II (3 CEU)
Room: 314
Speakers will address the legal aspects of drainage, including an outline of statutes and case law. Also, private drainage issues and the "common enemy rule" will be discussed.
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INDOT Statewide Access Management Study
Jerry Gluck, Senior Vice President, Urban Atlas Associates, Inc.
Wednesday
March 10
Concurrent Sessions

3:15-4:45 Environmental Issues Part II Room: 618
INDOT Storm Water Management Plan
Tom Duncan, Environmental Services Manager, INDOT

Highway Administration and Management
Room: 218A-D
President: Steve Sherwood, County Engineer, Warrick County

The ABC’s of Roadway Planning – Thinking Beyond the Pavement
Jim Olson, County Engineer, Jefferson County

Budget Basics for Streets and Highways
Kathrina Hall, Tax and Local Government Specialist, Indiana PAVIN Bureau

Maintenance Issues Part II
Room: 214A-B

Personal Protection Equipment for Highway Maintenance Workers
Mike Hougland, Safety Coordinator, Seymour District, INDOT

Cured-In-Place Pipe Liner Installation
Larry Vaughan, Operations Engineer, Crawfordville District, INDOT
Chris Hall, Operations Support Engineer, Crawfordville District, INDOT

Roadway Maintenance Equipment
Debbie Hommel, Equipment Management Specialist, Operations Support Division, INDOT
Bill Tompkins, Operations Support Engineer, Seymour District, INDOT

3:15-4:45 Presentations that Work...Getting Back to the Basics Room: 212
Beyond the razzle-dazzle of the immensely popular PowerPoint presentation software, are you connecting with your audience and successfully delivering your message? Or are you just turning off the lights, turning on the computer, and hoping for the best? Learn a few “secrets” for dynamic presentations beyond PowerPoint in this session.

Tom Turpin, Professor, Department of Entomology, Purdue University

Repair and Maintenance of Stone and Gravel Roads
Room: 310
President: Robert Jones, Executive Director, Indiana Mineral Aggregates Association

Asphalt-Based Dust Palliatives
Jay Longenecker, Sales Representative, Asphalt Materials, Inc.

Unpaved Road Maintenance Using Liquid Calcium Chloride
Matthew Winger, Sales Manager, Great Lakes Chloride, Inc.

Lignin L-50: Dust Control...No Problem
David Laine, Regional Sales Manager, Prince Manufacturing Co.
Wednesday
March 10
Concurrent Sessions

3:15-4:45
Traffic Issues Part II (3 CEU)
Room: 214C-D

- How MPO's Work, from Concept to Construction
  Pat Martin, West Central Indiana Economic Development District

- INDOT’s Indianapolis Traffic Management Center
  Jay Wasson, ITS Operations Engineer, Operations Support Division, INDOT

Urban Issues
Room: 202
Presider: Greg Morrow, City Engineer, City of Greenwood
and President, Indiana Association of City Engineers

- Oversight Repairs of Pavement and Infrastructure Problems Using Polymer Technology
  Brockton Brown, Regional Representative, URETEK Indiana

- Plant Growth Regulators Inhibiting Conditions for Urban Trees
  Mark Mann, Owner, Plant Growth Management Systems

- How Vulnerable Are You, Really...Assess Surrounding the Security of Your Water and Wastewater Facilities
  Kent Haforan, Senior Project Engineer, Bonar Group

Break Room
The Break Room, 206 Stewart Center, will be available to conference participants on Wednesday and Thursday, from 8:30-11:00 am and 1:30-4:00 pm.

Wednesday
March 10
Concurrent Sessions

3:15-4:45
What are the Basics of a Good Road? Part II (3 CEU)
Room: 313

- Soils
  Vincent Dmievich, Professor, School of Civil Engineering, Purdue University

- Drainage
  Mike Mally, Sales Manager, Engineer Solutions, Contech Products

- Signs and Safety
  Rick Drumm, Safety Operations Engineer, FHWA-Indiana Division

5:30-8:00
ITE Dinner
The Trails Banquet Facility
West Lafayette, Indiana
Social: 5:30pm
Dinner: 6:45pm
Program: 7:30pm

Speaker: Steve Hefener, International President, ITE

Program: ITE Update and Presentation of Scholarship Awards

Tickets: Jennifer Pyrz, Edwards &Keiley, 317-363-1552 or jpyrz@edkeiley.com
Visit the ITE website: www.indianaite.org
Thursday
March 11
Association Meetings

7:00-4:30
County Surveyors Meeting
Room: 319
President: Scott Zeigler, Noble County
7:00-8:00
Continental Breakfast Provided by Sidwell
8:00-9:00
GIS Top "10" List: Sidwell
9:10-10:00
Stream Bank Restoration: Jane Frankenberger
10:00-10:10
Break
10:10-11:10
Rule 13 (NPDES Phase II) Update and Rule 5 (Erosion Control) Update: Randy Braum, IDNR
Funding for EPA Phase II: The Schneider Corporation
11:10-12:20
Break
12:20-1:20
Lunch Break
1:20-2:15
Geodetic Framework - iSPEL GIS/LIS Work Group: Lorraine Wright
2:15-2:45
Rule 12 (Survey Standards) Update: John Stephens
2:45-3:00
Break
3:00-3:30
Legislative Update
3:30-4:30
Business Meeting

Thursday
March 11
Association Meetings

8:00-10:00
Indiana Street Commissioners Association Meeting
Room: PMU East Faculty Lounge
President: Raymie Echelle, City of Jasper
Breakfast
Business Meeting
Practical Pesticide Safety Tips for City and County High-sales-way Programs
Fred Whitford, CoopIator, Purdue Pesticide Program
Mosquito Control – Educating the Public
Dave Hackett, President, Mug-A-Bug

8:30-10:00
City Engineers Association Meeting
Room: 306
President: Glen Morrow, City of Greenscastle
Business Meeting

County Auditors Association Meeting
Room: 202
President: Rita Steele, Jasper County
Business Meeting

County Commissioners Association Meeting
President: William Hazen, Executive Director
Legislative Wrap-Up
Other Issues
Thursday March 11
Association Meetings

8:30-10:00

County Highway Engineers and Supervisors Association Meeting
Room: 302
President: Michael McTague, Carroll County

Business Meeting

LTAP Upcoming Events and Road Safety Review
Jerry Larson, Indiana LTAP, Purdue University

The Effects of Wetlands and Storm Water Drainage
Legislation on Cities and Counties
Kerry Daley, Christopher B. Burke Engineering Ltd.

INDOT Meeting Part I
(This session is open to the public)
Room: 218A-D
President: Richard Smutzer, Chief Engineer, INDOT

Development and Construction of I-70 Fast-Track Grading Contract: Moving 3 Million Yards of Earth
Greg Kienzle, Design/Build Project Engineer, Contracts and Construction Division, INDOT
Ron Heusle, Project Manager, Contracts and Construction Division, INDOT
Nate McLaughlin, Asst. Project Manager, Walsh Construction

Pavement Smoothness Awards
Dennis Kuchler, Chief, Contract and Construction Division, INDOT

Bus Trip to the new Purdue Civil Engineering Bowen Large Structural Laboratory on US 231 (sign up required on registration form due to limited bus seating). Departure details will be available at the Registration Desk.

INDOT Meeting Part II
(This session is open to the public)
Room: 218A-D

Hyperfix: Coordination and Construction of 33 Bridges and 35 Lane Mls In 55 Days
Gary Mroczka, Chief, Design Division, INDOT
M. Sean Porter, Project Manager, American Consulting Engineers

Dan Rogers, Area Engineer, Greenfield District, INDOT

Round Table Discussions
Room: PMU South Ballroom

INDOT Long-Range Plan and Program
Moderator: David Holtz, INDOT

GASB 34
Moderator: Mike Nielsen, Government Fixed Asset Services, Inc.

Right-of-Way Issues
Moderators:
Steve Powell, Ameritech
Gary Friedelichs, Ameritech
Greg Bried, HGI-Landtech

Wheel Tax
Moderator: Tom Martin, Indiana LTAP

AASHTO Software Applications
Moderator: Scott Noble, AEC CADCON

The Break Room, 205 Stewart Center, will be available to conference participants on Wednesday and Thursday, from 8:30-11:30 am and 1:30-4:30 pm.
Thursday
March 11
Road School Luncheon

12:00-1:15
Purdue Memorial Union
North/South Ballrooms
Master of Ceremonies
Bryan Nicol, Commissioner, INDOT
Invocator
Cliff Dickahut, Equipment Marketing Company.

Guest Speaker
Jim Burati, Director, South Carolina LTAP
"Signs, Signs, Everywhere Signs...
An Entertaining Look at How We Miscommunicate"

Thursday
March 11
Concurrent Sessions

1:30-3:00
Back to Basics: Erosion Control Part I (3 CEU)
Room: 214A-B
Presenter: Charlie Alley, Regional Sales Engineer, Contech Products
Effective erosion control on public works projects is a continuous process, with necessary preparation from project inception to well past completion. This session will address policy, consultant design/preparation, technologies/ installation, and post-construction clean water maintenance.
Randy Baskin, Program Chief, Indiana Department of Natural Resources
Lon Gases, Senior Resource Planner, Christopher B. Burke Engineering Ltd.
Tim Anderson, Manager, Erosion Control Systems, Contech Products
Tom Gorrivan, National Sales Manager, Vortex

Back to Basics: Pavement Materials and Design Part I (3 CEU)
Room: 306
Presenter: Charles Schorle, Professor Emeritus, School of Civil Engineering, Purdue University
Pavement Design Agrival
Krijn Dave, Pavement Design Engineer, Materials and Tests Division, INDOT
Concrete Pavements
Dave Andrews, Materials Engineer, Materials and Tests Division, INDOT
Thursday
March 11
Concurrent Sessions

1:30-3:00
Back to Basics: Primer on the Permitting Process Part I (to CeU)
Room: 204
Presider: Men RI Dougherty, Hydro/aRlics Engineering Supervisor, Design Division, INDOT
Approval of transportation projects requires procurement of various permits. This session will provide the details on what you need to know about these permits and the application process.
Carole Scott, Permits Coordinator, Design Division, INDOT; Marty Maspin, Senior Environmental Manager, Indiana Department of Environmental Management; Randy Braun, Program Chief, Indiana Department of Natural Resources.

Context Sensitive Design
Room: 302
Presider: Gary Mrozdzik, Chief, Design Division, INDOT
Context Sensitive Design Approaches
Chris Pope, Bridge Design Manager, United Consulting Engineers; Steve Fleming, Engineering Services Manager, Parsons Brinckerhoff, Inc.
Panel Discussion: INDOT Context Sensitive Design Policy and Strategies
David Holz, Chief, Program Development Division, INDOT; Richard Philabaum, Landscape Architect, Design Division, INDOT; Brad Sackler, Engineering Assessment Manager, Environment, Planning and Engineering Division, INDOT.

Highway Pavement Selection for Noise, Safety, and Durability
Room: 103
Presider: Vincent Dinwiddie, Professor, School of Civil Engineering, Purdue University
Noise Testing of Asphalt Pavement Surfaces in Indiana
Rebecca McDaniel, Technical Director, North Central Superpave Center, Purdue University
Engineered Concrete Materials for Noise Reduction Purposes
Jan Olik, Associate Professor, School of Civil Engineering, Purdue University
Variability of Pavement Noise Due to Material and Construction Variations
Wild Thornton, Graduate Research Assistant, Safe, Quiet, Durable Highways Institute, Purdue University

Break Room
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Thursday
March 11

Concurrent Sessions

1:30-3:00

**Road School Agenda**

**Thursday**

**March 11**

**Concurrent Sessions**

1:30-3:00

- **Mock R/W Trial...Everything You Wanted to Know about R/W but Didn’t Want to Learn in Court (Part II)**
  - **Room:** 302
  - **Set in a courtroom atmosphere, this session will be a mock R/W trial to address all aspects of R/W, from mailbox regulations to access control. It will also take a look at the personal rights of local officials in R/W conflicts.**
  - **Moderator:** Charlie Avey, Associate, Bernardin Lochmueller & Associates
  - **Presiding Judge:** R. Thomas Bodkin, Bamberg & Foreman, Oswalt & Hahn LLP
  - **Plaintiff:** Thomas Bailey, Land Owner
  - **Defendant:** Bret Cating, Highway Director, Putnam County
  - **Plaintiff Attorney:** Brian Gwalt, Ice Miller
  - **Defense Attorney:** Katherine Winchester, Ice Miller

**New Methods and Tools for Pavement Evaluation and Testing**

- **Room:** 314
- **Presenter:** Tommy Nantung, Section Engineer/Manager, Research Division, INDOT
- **Falling Weight Deflectometer (FWD) Testing for Roadway Rehabilitation**
- **Khaled Galal, Pavement and Materials Research Engineer, Research Division, INDOT**
- **FWD Design and Rehabilitation Tool for INDOT Implementation**
- **Khaled Galal, Pavement and Materials Research Engineer, Research Division, INDOT**
- **Network Pavement Evaluation Using GPR and FWD**
- **Samy Hureldin, Roadway Research Engineer, Research Division, INDOT**
- **Dwayne Harris, Transportation Systems Engineer, Research Division, INDOT**

**Our Transportation Heritage II**

- **Room:** 202
- **Our Transportation Heritage and Conservation: Archival Theory and Practice in the Erie Lackawanna Historical Society Collection**
  - **Scott Rendolph, Graduate Research Assistant, History Department, Purdue University**
  - **Curator of the Erie Lackawanna Historical Society Collection at the University of Akron Archival Services and Assistant Archivist of the Erie Lackawanna Historical Society**

**Railroad Issues**

- **Room:** 318
- **President:** Fred Horl, Railroad Unit Supervisor, Multi-Model Division, INDOT
- **INDOT Grade Crossing Safety Program**
  - **Steve Hull, Engineering Services Manager, Design Division, INDOT**
- **Grade Crossing and Other Rail Projects Process**
  - **Fred Horl, Railroad Unit Supervisor, Multi-Model Division, INDOT**
- **New Whistle Blowing Rail Requirements**
  - **Don Lubinski, Railroad Section Manager, Multi-Model Division, INDOT**
- **Norfolk Southern Railroad Safety Policies and Procedures**
  - **Richard Monire, Manager of Grade Crossing Safety, Norfolk Southern Corporation**

**30**
Thursday
March 11
Concurrent Sessions

1:30-3:00
Recent Changes to the INDOT Standard Specification and Drawing and Design Policies Part I
Room: 214C-D
President: Kirk Mangold, Highway Statistics Manager, Program Development Division, INDOT
This session will consist of a presentation of the recently implemented changes to the INDOT standard specifications and drawings and design policies. Time permitting, a Q&A will follow.

Robert Caleie, Standards Manager, Contracts and Construction Division, INDOT
Tony Uremovich, Design Policy Engineer, Contracts and Construction Division, INDOT
John Wright, Consultant Project Group Manager, Design Division, INDOT

3:15-4:45
Back to Basics: Erosion Control Part II (3 CEU)
Room: 214A-B
Effective erosion control on public works projects is a continuous process, with necessary preparation from project inception to field completion. This session will address policy, design/preparation, technologies and post-construction, clean water maintenance.

Randy Braun, Program Chief, Indiana Department of Natural Resources
Lori Gates, Senior Resource Planner, Christopher B. Burke Engineering Ltd
Tim Anderson, Manager, Erosion Control Systems, Contech Precast
Tom Gorring, National Sales Manager, Vortexcheks

Road School Agenda
Thursday
March 11
Concurrent Sessions

3:15-4:45
Back to Basics: Pavement Materials and Design Policy Part II (3 CEU)
Room: 206
Hot-Mix Asphalt Pavements
Dave Andrews, Materials Engineer, Materials and Test Division, INDOT
Aggregates for Subbase and Pavement
Ryan Walker, Quality Assurance Engineer, Materials and Test Division, INDOT

Back to Basics: Primer on the Permitting Process Part II (3 CEU)
Room: 204
Approval of transportation projects requires procurement of various permits. This session will provide the details on what you need to know and the application process.

Carole Scott, Permits Coordinator, Design Division, INDOT
Mirfy Maupin, Senior Environmental Manager, Indiana Department of Environmental Management
Randy Braun, Program Chief, Indiana Department of Natural Resources

Bicyclists’ Perspectives on the Transportation System
Room: 202
Experienced bicyclists will discuss how bicyclists interact with the transportation system and how different aspects impact them, such as lane width, sidewalks, and left turn.

Connie Szabo, Schmucker, Executive Director, Indiana Bicycle Coalition, Inc.
Charles Bash, Attorney/Director, Indiana Bicycle Coalition, Inc.
Road School Agenda

Thursday
March 11
Concurrent Sessions

3:15-4:45
INDOT 2004 Public Involvement Policy and Best Practices
Room: 216A-D
Presenter: Christine Baynes, Project Management Section Manager, Contracts and Construction Division, INDOT

This session will highlight new procedures and discuss changes in INDOT's Public Involvement Policy. Best practices in public involvement and how INDOT is implementing them and encouraging consultants to use them will also be discussed.

Ricky Clark, Public Hearings Manager, Environment, Planning, and Engineering Division, INDOT

Mock R/W Trial...Everything You Wanted to Know about R/W but Didn't Want to Learn in Court (Part II)
Room: 302

Moderator: Chase Ailey, Associate, Bernardin Lochmuller & Associates
Presiding Judge: R. Thomas Bodkin, Bamberger, Foyerman, Oswald & Hahn LLP
Plaintiff: Thomas Bailey, Land Owner
Defendant: Bret Cating, Highway Director, Putnam County
Plaintiff Attorney: Brian Gwitt, Ice Miller
Defense Attorney: Katherine Winchester, Ice Miller

Break Room

The Break Room, 305 Stewart Center, will be available to conference participants on Wednesday and Thursday, from 9:30-11:30 am and 1:30-4:30 pm.

3:15-4:45
Noise Policy/Noise Barriers
Room: 322
Interested in INDOT’s policy regarding noise abatement as well as the latest on the subject? This session will provide the details from both INDOT experts and noise consultants.

Jim Junic, Environmental Assessment Manager, Environment, Planning, and Engineering Division, INDOT
Rusty Yeager, Environmental Project Manager, Bernardin Lochmuller Associates

Recent Changes to INDOT Standard Specifications and Drawings and Design Policies Part II
Room: 214C-D

This session will consist of a presentation of the recently implemented changes to the INDOT standard specifications and drawings and design policies. Time permitting, a Q&A will follow.

Robert Cales, Standards Manager, Contracts and Construction Division, INDOT
Tony Uremovich, Design Policy Engineer, Contracts and Construction Division, INDOT
John Wright, Consultant Project Group Manager, Design Division, INDOT
Thursday
March 11
Concurrent Sessions

3:15-4:45
Transportation Security 2005
Rooms 201A

President: Jett Turley, Research Engineer, Indiana LTAP, Purdue University
Co-President: Tommy Nantung, Section Engineer/Manager, Research Division, INDOT

Symposium of Best Practices in Transportation Security
Jon Fricker, Professor, School of Civil Engineering, Purdue University

Identification and Design of Transportation Security Awareness Training
Shimon Nof, Professor, School of Industrial Engineering, Purdue University

Alamo Industrial
American Consulting, Inc.
Asphalt Systems, Inc.
Beam, Longest and Neff, LLC
Bliss McKnight of Indiana
Bridge Tek
Burgess & Niple, Inc.
Christopher Burke Engineering
Contech Construction Products
DLZ Indiana, LLC
Earth Tech
Equipment Marketing Co.
Fontaine Truck Equipment
Harcor, Inc.
Hy-Span Bridge Systems
IKO Concrete Pipe
Lafayette Instrument
Maddock Industries
MGI
Michael Todd & Company
Mid-States Engineering

Mirall Construction Products
MS Consultants
Palmer Engineering
Parsons Brinckerhoff
Progressive Products, Inc.
Rinker Materials
Road Solutions, Inc.
Soller Instrument
Sherwin Industries, Inc.
Softworks, Inc.
Specialties Company, LLC
St. Regis Culvert, Inc.
Strawser, Inc.
The Hoosier Company, Inc.
The Reinforced Earth Co.
The Schneider Corporation
Traffic Signal Company
Unique Paving Materials
United Consulting Engineers
WTH Engineering, Inc.

Road School Agenda

Wednesday, March 10
11:30 AM to 2:00 PM
North & South Ballrooms
Purdue Memorial Union

All participants are invited to enjoy an extended lunch hour at this complimentary sandwich buffet provided courtesy of these participating exhibitors. Your name badge will be required for admission.

WE WILL SEE YOU AT THE
91ST ROAD SCHOOL
MARCH 30-31, 2005

HAVE A SAFE TRIP HOME!