90th Annual
Purdue Road School

March 10 & 11, 2004
Stewart Center • Purdue University

PURDUE UNIVERSITY
Road School Coordinator
Karen Heke, Program Coordinator, Joint Transportation Research Program
Tom Mark, Program Manager, Indiana LINK

Road School Associates
Olland, Road School Liaison, INDOT
Bob McCullough, Information Technology Administrator, JTPP
John Heidermann, Research Engineer, Indiana IAP
Jerry Larson, Training Specialist, Indiana IAP
Linda Poisson, Editor and Resource Specialist, Indiana IAP
Jim Turley, Project Manager, Indiana IAP
Linda Wollett, Secretary, Indiana IAP
Judy Whiteley, Secretary, JTPP
Tom Robertson, Conference Coordinator, Center for Learning Enabled Transportation Graduate Research Assistants, School of Civil Engineering

2004 Road School Steering Committee
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Kumar Srins, JTPP; Patti Smith, Epperson Consulting; Randy Staehle, Brown Equipment Co., Inc.; Matt Thomas, IIE, Indiana Section; Jim Turley, Indiana IAP; Steve Winkleman, Butler, Farman, Secor; Rick Whiteman, INDOT; Scott Ziegler, Noble County

Road School Agenda

Wednesday
March 10
Opening Session
8:00-10:00
Room: Loeb Theatre
Presider: Barry K. Partridge, Chief, Research Division, INDOT
Welcome and Opening Remarks
J. Bryan Nicol, Commissioner, INDOT
NACE Update and 10/21 Reauthorization Status
Anthony Giannola, Executive Director, National Association of County Engineers, Washington DC
Indiana Highway Quality Awards
Richard Smutny, Chief Engineer, INDOT; Kathleen Quinn, Assistant Administrator, FHWA-Indiana Division
Concurrent Sessions
10:15-11:45
Financing Issues
Room: 302
Presider: Richard Whitney, Chief Financial Officer, INDOT
Indiana Federal Funds Received for 2004
Richard Whitney, Chief Financial Officer, INDOT; Gary Eaton, Chief, Budget and Fiscal Management Division, INDOT
Panel Discussion: Aspects of the New Federal Highway Bill and the Safe Gasoline Tax
Gaines Maudlin, Assistant Deputy Commissioner for Federal Affairs, INDOT; Jay DuMontelle, Financial Manager, FHWA-Indiana Division; Dennis Faulkner, Public Affairs Specialist, ICMA
Questions and Answers
Road School Agenda

Wednesday
March 10

Concurrent Sessions

10:15-11:45

Gizmos, Gadgets, and Inventions

Room: 322

Moderator: James Reid, Publisher, Indiana PublicWorks News

11:30-12:00

Netiquette...Making Sense of On-Line Communication

Room: 318

Presenter: Suzanne Kuehler, Communications Specialist, School of Civil Engineering, Purdue University

Overview of the Utility Relocation Task Force

Room: 214C-D

Presenter: Paul Berebitsky, Director of Contractor/Government Relations, Indiana Constructors, Inc.

The participants 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 current utility location, 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.

Break Room

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

IN DOT Hyperfix Project

Room: 214A-B

Presenter: J. Bryan Nihl, Commissioner, IN DOT

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

Gary Mrozica, Chief, Design Division, IN DOT
Jim Schrockendorf, City of Indianapolis
**Wednesday**

**March 10**

**Concurrent Sessions**

**10:15-11:45**

**Repair and Maintenance of Asphalt Roads**

*Room: 216A-D*

*President: Lloyd Bandy, Executive Director, Asphalt Pavement Association of Indiana*

**Surface Preparation**

Scott Sherrall, Manager, Mid-America Milling Company

**Surface Treatments**

Jay Longenecker, Sales Representative, Asphalt Materials, Inc.

**HMA Overlays**

Dudley Boller, Regional Quality Control Director, Ithaca-Riley Construction Co.

**General Maintenance: Crack Sealing and Patching**

Dave Rassell, Technical Marketing Representative, Kooch Pavement Solutions

**Local Guidelines**

Brad Crump, Quality Control Manager, Milestone Contractors

**Safety Issues**

*Room: 202*

*President: Karen Slappy, Safety Program Engineer, FHWA-Indiana Division*

**Low Cost Safety Improvements**

Rick Gummi, Safety Operations Engineer, FHWA-Indiana Division

**Highway Safety Improvements, Guidelines for Indiana**

Andrew Tanke, Associate Professor, School of Civil Engineering, Purdue University

**Highway Safety Fund Projects - Case Study Application Process**

John Batty, City Engineer, City of Kokomo

Dan Chapman, Traffic Manager, City of Kokomo

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**Traffic Signal Maintenance in Indianapolis...It Works (Most of the Time)**

*Room: 313*

*President: Jon Burkhardt, Administrator, Maintenance Services, Indianapolis Department of Public Works*

**Traffic Signal Maintenance Challenges**

Jeff Swenson, Traffic Design Group Manager, DLZ Indiana LLC

**The Indianapolis Preventive Maintenance Program**

Leigh Adams, Assistant Administrator of Traffic Operations, Indianapolis Department of Public Works

**New Technologies and Applications for Traffic Control**

Michael Cline, Project Manager, American Consulting Engineers, Inc.
Wednesday  
March 10

11:30-2:00  
Exhibitors Luncheon  
Purdue Memorial Union  
North/South Ballrooms

All participants are invited to enjoy this sandwich buffet lunch provided free of charge by the participating exhibitors.  
Name badges are required for admission.

Road School Agenda  
Wednesday  
March 10  
Concurrent Sessions

1:30-3:00  
Back to Basics: Drainage Issues  
Part I (3 CEU)  
Room: 316

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 Whithen, Chief Financial Officer, INDOT

Overview of State and Federal Fuel Taxes and How Indiana Obtains Federal Funds  
Richard Whithen, 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

Chain Saw 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 trees 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 JTRP 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 1
Room: 318
President: Lynn Corson, Director, Indiana Clean Manufacturing Technology and Safe Materials Institute, Purdue University

Greenfield Rest Area Constructed Wetlands for Waste
Water Treatment
James Allen, 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
President: Greg Budd, President, NGI-LandAdG Corporation

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

Improving the Land Acquisition Process
Dave Puckett, The Corrado Group

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

Questions and Answers

Break Room

The Break Room, 206 Stewart Center, will be available to conference participants on Wednesday and Thursday, from 8:30-11:30 am and 1:30-3:30 pm.

Wednesday
March 10
Concurrent Sessions

1:30-3:00
Historic Preservation - Section 106 Topics
Room: 302
Status Briefing on Historic Bridge Task Group
Matt Fuller, Environmental Engineer, FHWA-Indiana Division

Tips and Techniques for Section 106 (Historic) Consultation
Tony DeSimone, Environmental Engineer, FHWA-Indiana Division
Matt Fuller, Environmental Engineer, FHWA-Indiana Division

Maintenance Issues Part 1
Room: 214A-6
President: Terry Byrns, 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, Landscape Architect, Greenfield District, INDOT

INDOT's Small Structures Program
Tony McCullough, Field Engineer, Operations Support Division, INDOT
Mike Rivard, Maintenance Field Supervisor, Seymour District, INDOT
Road School Agenda

Wednesday
March 10

Concurrent Sessions

1:30-3:00
Room: 218A-D
Repair and Maintenance of Concrete Fields
In this session you will hear various strategies and options for rehabilitating all types of concrete pavements, proper application of the strategy to the pavement type, and the expected performance of the rehabilitation.

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

Safety Issues II
Room: 307
Presider: Karlin Sligoch, Safety Program Engineer, FHWA-Indiana Division

Setting Rational Speed Limits
Cindy Coddington, Traffic Supervision, 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, 208 Stewart Center, will be available to conference participants on Wednesday and Thursday, from 9:30-11:30 am and 1:30-3:30 pm.

Use of GPS, Low Altitude Aerial Mapping, and Ground Surveying
Room: 310
Presider: William Schmidt, Engineer of Location Surveys, Design Division, INDOT

Introduction
William Schmidt

Control and Ground Survey
Richard Rayback, Senior Project Surveyor, The Schmieder Corporation
Bruce Strock, GPS Director, The Schmieder Corporation

Aerial Mapping Survey
Ron Schonegg, Spectrum Mapping LLC

Highway Safety: Perspectives and Applications
Rick Germain, Safety Operations Engineer, FHWA-Indiana Division

Instrumented Intersection Test Bed Including Video Technology
Jim Sturdevant, Traffic Systems Engineer, Operations Support Division, INDOT
Darcy Bullock, Professor, School of Civil Engineering, Purdue University

Engineering Ethics
Steve Hofener, International President, Institute of Transportation Engineers and President, Traffic Engineering Consultants, Inc., Oklahoma City
Wednesday
March 10

Concurrent Sessions

1:30-3:00

What are the Basics of a Good Road? Part I (3 CEU)

Room: 313
Presider: Jon Fricker, Professor, School of Civil Engineering, Purdue University

Fundamentals of Road Design
Nuru Shah, Plan Development Section Manager, Design Division, INDOT

Asphalt Materials Selection
Dudley Bourne, Regional Quality Control Director, Redi-Riley Construction Co.

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

What We Have Here is a Failure to Communicate

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 intro to exploring our communication behaviors...and 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

Back to Basics: Drainage Design 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 Keith, Program Manager, Program Development Division, INDOT

The INDOX Project Tracking Process
Ennio Canzian, Local Transportation Manager, INDOT

Pitfalls to Avoid and Best Practices

Compatibility of Land Use and Transportation Planning

Room: 202
Presider: Steve Smith, Manager, Long-Range Transportation Planning Section, Environment, Planning and Engineering Division, INDOT

The Transportation and Land Use Link
Eric Kely, Professor of Urban Planning, College of Architecture and Planning, Ball State University

INDOT Statewide Access Management Study
Jerry Gluck, Senior Vice President, Urban Associates, Inc.
Wednesday
March 10
Concurrent Sessions

3:15-4:45
Environmental Issues Part II
Room: 318

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
Katrina Hall, Tax and Local Government Specialist, Indiana Pavement Bureau

Maintenance Issues Part II
Room: 214A-B

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

Cured-In-Place Pipe Liner Installation
Larry Vaughan, Operations Engineer, Crawfordsville District, INDOT

Chris Hall, Operations Support Engineer, Crawfordsville (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: 322

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-590: 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 MPI'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: Glen Morrow, City Engineer, City of Greenscald and President, Indiana Association of City Engineers

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

Plant growth Regulators Inhibitory 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 Hadarson, 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 Ormich, Professor, School of Civil Engineering, Purdue University

Drainage
Mike Maull, Sales Manager, Engineer Solutions, Contech Products

Signs and Safety
Rick Drum, Safety Operations Engineer, PHWA-Indiana Division

5:30-8:00
ITE Dinner

The Trails Banquet Facility
West Lafayette, Indiana

Social: 5:30p
Dinner: 6:45p
Program: 7:30p

Speaker: Steve Hofener, International President, ITE

Program: ITE Update and Presentation of Scholarship Awards

Tickets: Jennifer Pryz, Edwards &Keiley, 317-363-1552 or jpyrz@gmail.com

Visit the ITE website: www.indianaite.org
Thursday
March 11
Association Meetings

7:00-4:30
County Surveyors Meeting
Room: 310
President: Scott Zeigler, Noble County
7:00-8:00
Continental Breakfast Provided by Sidefeel
8:00-9:00
GIS Top "10" List: Sidefeel
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 Braun, IDNR
Funding for EPA Phase II: The Schneider Corporation
11:10-11:20
Break
11:20-12:00
Section Carter Perpetuation: Jay Poe
12:00-1:30
Lunch Break
1:30-2:15
Geodetic Framework – iSPIAS 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 Echener, City of Jasper
Breakfast
Business Meeting
Practical Pesticide Safety Tips for City and County Rights-of-Way Programs
Fred Whitford, Cooperator, Purdue Pesticides 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 Greencastle
Business Meeting

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

County Commissioners Association Meeting
Room: 314
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 McGague, Carroll County

Business Meeting
LTAP Upcoming Events and Road Safety Review
Jerr 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 Heustis, Project Manager, Contracts and Construction Division, INDOT
Neil Mulrooney, Asst. Project Manager, Walsh Construction
Pavement Smoothness Awards
Dennis Kuchler, Chief, Contract and Construction Division, INDOT

Break Room
The Break Room, 206 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
Association Meetings

8:30-10:00
Bowen Laboratory Tour
Bus Trip to the new Purdue Civil Engineering Bowen 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
Tim Conarroe, Project Engineer, Greenfield District, INDOT
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, Governmental Fixed Asset Services, Inc.
Right-of-Way Issues
Moderators:
Steve Powell, AmeriTech
Gary Friederichs, AmeriTech
Gray Buett, HGI-Land忌
Wheel Tax
Moderator: Tom Martin, Indiana LTAP
AASHTO Software Applications
Moderator: Scott Noble, AEC CAD/CON Techworks, Inc.
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 Dickohut, Equipment Marketing Company.

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

Back to Basics: Erosion Control Part I (6 CEU)
1:30-3:00
Room: 214A-B
Presider: 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 Bekmir, 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 Gornian, National Sales Manager, Vose Technics

Back to Basics: Pavement Materials and Design Part I (6 CEU)
Room: 306
Presider: Charles Scholer, Professor Emeritus, School of Civil Engineering, Purdue University

Pavement Design Approval
Kerrin Dave, Pavement Design Engineer, Materials and Tests Division, INDOT

Concrete Pavements
Dave Andrzejki, 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 be continued)
Room: 204
Presider: Merri Dougherty, Hydraulic 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
Randy Braun, Program Chief, Indiana Department of Natural Resources
Context Sensitive Design
Room: 302
Presider: Gary Moczka, Chief, Design Division, INDOT
Context Sensitive Design Approaches
Chris Pope, Bridge Department Manager, United Consulting Engineers
Steve Fleming, Engineering Services Manager, Parsons Brinckerhoff, Inc.
Panel Discussion: INDOT Context Sensitive Design Policy and Strategies
David Holt, 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: 013
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 Olek, Associate Professor, School of Civil Engineering, Purdue University
Variability of Pavement Noise Due to Material and Construction Variations
Will Thornton, Graduate Research Assistant, Safe, Quiet, Durable Highways Institute, Purdue University
Break Room
The Break Room, 208 Stewart Center, will be available to conference participants on Wednesday and Thursday from 8:30-11:30 am and 12:00-3:00 pm.
Thursday
March 11
Concurrent Sessions
1:30-3:00

Our Transportation Heritage II
Room: 202
Presider: James Turley, Research Engineer, Indiana DOT
Purdue University

Purdue's Charles Ells and the Golden Gate Bridge
James Allerman, Professor, School of Civil Engineering, Purdue University

Transportation Heritage and Conservation: Archival Theory and Practice in the Erie Lackawanna Historical Society Collection
Scott Rendolph, Graduate Research Assistant, History Department, Purdue University and 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
Presider: Fred Hort, Railroad Unit Supervisor, Multi-Modal Division, INDOT

The INDOT Grade Crossing Safety Program
Steve Hull, Engineering Services Manager, Design Division, INDOT

Grade Crossing and Other Rail Projects Process
Fred Hort, Railroad Unit Supervisor, Multi-Modal Division, INDOT

New Whistle Blowing San Requirements
Don Lubinsky, Railroad Section Manager, Multi-Model Division, INDOT

Norfolk Southern Railroad Safety Policies and Procedures
Richard Marien, Manager of Grade Crossing Safety, Norfolk Southern Corporation

New and Methods and Tools for Pavement Evaluation and Testing
Room: 314
Presider: Tommy Nartung, Section Engineer/Manager, Research Division, INDOT

Falling Weight Deflectometer (FWD) Testing for Roadway Rehabilitation
Khaled Gali, Pavement and Materials Research Engineer, Research Division, INDOT

FWD Design and Rehabilitation Tool for INDOT Implementation
Khaled Gali, Pavement and Materials Research Engineer, Research Division, INDOT

Network Pavement Evaluation Using GPR and FWD
Samy Arendel, Roadway Research Engineer, Research Division, INDOT
Dwayne Harris, Transportation Systems Engineer, Research Division, INDOT
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  
Presenter: 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 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

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

Hyde Brown, Program Chief, Indiana Department of Natural Resources  
Lori Gates, Senior Resource Planner, Christopher B. Burke Engineering Ltd  
Tim Anderson, Manager, Erosion Control Systems, Coretech Products  
Tom Gorniak, National Sales Manager, VortexTech

3:15-4:45  
Back To Basics: Pavement Materials and Design Part II (3 CEU)  
Room: 306  
Hot-Mix Asphalt Pavements  
Dave Andrzejewski, Materials Engineer, Materials and Tests Division, INDOT  
Aggregates for Subbase and Pavement  
Ryan Walker, Quality Assurance Engineer, Materials and Tests Division, INDOT  
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  
Mirlyn Maupin, Senior Environmental Manager, Indiana Department of Environmental Management  
Randy Brown, 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 Strop, Schwinn, Executive Director, Indiana Bicycle Coalition, Inc.  
Charles Bash, Attorney/Director, Indiana Bicycle Coalition, Inc.
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.

Rickie 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: Charles Atley, Associate, Bernardin Lochmueller & Associates
Presiding Judge: H. Thomas Bodkin, Bennett, Ferrymans, Oswald & Hattin LLP
Plaintiff: Thomas Bailey, Land Owner
Defendant: Bret Cating, Highway Director, Putnam County
Plaintiff Attorney: Brian Gwirtz, Ice Miller
Defense Attorney: Katherine Winchester, Ice Miller

Break Room
The Break Room, 306 Stewart Center, will be available to conference participants on Wednesday and Thursday, from 9:00-11:30 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 Junnic, Environmental Assessment Manager, Environment, Planning, and Engineering Division, INDOT
Rusty Yeager, Environmental Project Manager, Bernardin Lochmueller 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
Tory 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
Room 214
Presider: Jim Turley, Research Engineer, Indiana LTAP, Purdue University
Co-Presider: Tommy Nantung, Section Engineer/Manager, Research Division, INDOT

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

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

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

Mirafi 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.

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.