Conference Proceedings
of the
92nd Annual
Purdue Road School

March 28-30, 2006

CHAIRMEN

Kumares C. Sinha
Olson Distinguished Professor, School of Civil Engineering
Director, Joint Transportation Research Program

and

Jon D. Fricker
Professor, School of Civil Engineering
Board Member, Indiana Local Technical Assistance Program

CO-PROGRAM COORDINATORS

Thomas C. Martin
Program Manager
Indiana Local Technical Assistance Program

Karen S. Hatke
Program Coordinator
Joint Transportation Research Program

Purdue University
West Lafayette, Indiana
2006 Purdue Road School Steering Committee

2006 Official Purdue Road School Program

2006 Purdue Road School Attendance History

2006 Road School Speaker Contact List

Back to Basics: Basic Road Design, Common Mistakes, and Biggest Complaints
   Greg Rominger
   Richard Van Cleave
   Phil Kuntz

Back to Basics: Culvert Design
   Merrill Dougherty
   David Finley

Blueprint for a Bicycle-Friendly Indiana: Initiatives to Improving Bicycling in Indiana
   Jon Fricker

County Surveyors Meeting
   John Stephens

Equipment Issues
   Al Melvin

HARBORING HUMOR IN THE WAKE OF CHANGE
   Branna Smith

Highway Administration and Management
   Jim Bain
   Mike Duckworth

INDOT Meeting Part I
   Mark Miller and Ron Heustis

INDOT Meeting Part II
   Mark Eckert and Mike McCool

Introduction for NEPA for LPAs
   Ben Lawrence
   Mary Kennedy
   Michelle Hilary

Liability and Risk Management
   Sharon Allen

New Federal Aid Consultant Selection Process
   John Morton and Jeff Clanton

Opening Session
   IPHQ Award Photos
# Purdue Road School

<table>
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## City/Town Officials

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## County Officials

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## INDOT

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## Grand Total

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**Grand Total**: 1,549 1,091 1,384 1,687 1,235 1,501

*Included in the "Other" Category*
Road School 2006 Presenters

**Advanced ITS and Traffic Management in Indiana**

- **Jay Wasson**  TMC Division Director  INDOT  317 - 899 - 8601  jwasson@indot.state.in.us
- **Ryan Gallagher**  Director, Division of Traffic Control Systems  INDOT  317 - 232 - 5545  rgallagher@indot.state.in.us
- **Troy Boyd**  Division Director Technology Deployment  INDOT  219 - 939 - 3650  tboyd@indot.state.in.us

**Back to Basics: Basic Road Design, Common Mistakes, and Biggest Complaints**

- **Greg Carleton**  Highway Engineer Supervisor IV  INDOT  317 - 232 - 6777  gcarleton@indot.state.in.us
- **Greg Rominger**  Transportation Dept. Manager  Burgess & Niple, Inc.  317 - 237 - 2760  grominger@bumip.com
- **Jeff Drake**  Burgess & Niple, Inc  317 - 237 - 2760  jdrake@burnip.com
- **John Wright**  Roadway Services Manager  INDOT  317 - 232 - 5147  jwright@indot.state.in.us
- **Mark Eckert**  Roadway Department Head  Beam, Longest & Neff, LLC  317 - 849 - 5832  meckert@b-l-n.com
- **Phil Kuntz**  Vice President  Janssen & Spaans Engineering  317 - 254 - 9686  pkuntz@sengr.com
- **Richard Van Cleave**  Standards Engineer, Vincennes District  INDOT  317 - 232 - 5347  rvancleave@indot.state.in.us
- **Russ Brittain**  Roadway Review Supervisor  INDOT  317 - 232 - 5238  rbrittain@indot.state.in.us
- **Tony Uremovich**  Design Policy Engineer  INDOT  317 - 232 - 6775  turemovich@indot.state.in.us
- **Yadu P. Shah**  Staff Engineer, Standards Section  INDOT  317 - 233 - 2273  yshah@indot.state.in.us

**Back to Basics: Culvert Design**

- **David Finley**  CTE Engineers  317 - 297 - 6200  dave.finley@cte.aecom.com
- **Merril Dougherty**  Hydraulics Engineer Supervisor  INDOT  317 - 232 - 6776  mdougherty@indot.state.in.us

**Back to Basics: Retaining Walls and Reinforced Slopes**

- **Jim Giordano**  Regional Sales Engineer  Contech Construction Products  309 - 367 - 9275  giordanoj@contech-cpi.com
- **Joe Friedericks**  Keystone Walls
- **Jon Ridgway**  Director, Grade Separation Products  Tensar Earth Technologies, Inc.  404 - 214 - 5340  jridgway@tensarcorp.com
- **Sean Porter**  Project Manager  American Consulting, Inc.  317 - 547 - 5580  sporter@amercons.com
Blueprint for a Bicycle-Friendly Indiana

Connie Szabo Schmucker  Executive Director  Indiana Bicycle Coalition, Inc.  317 - 466 - 9701  info@bicycleindiana.org
Doug Poad  Senior Transportation Planner  Area Plan Commission of Tippecanoe County  765 - 423 - 9242  dpoad@tippecanoe.in.gov
Dylan Roahrig  Customer Service  WTH Technology  888 - 225 - 5984  droahrig@wthengineering.com
Joe Payne  Superintendent  West Lafayette Parks and Recreation  765 - 775 - 5110  jpayne@city.west-lafayette.in.us
Jon Fricker  Professor of Civil Engineering  Purdue University  765 - 494 - 2205  fricker@purdue.edu
Joni Heide  Director of Operations  Lafayette Parks and Recreation  765 - 807 - 1381  jheide@lafayette.in.gov
Kevin Edmundson  CIO  WTH Engineering, Inc  317 - 259 - 0105  kedmundson@wthengineering.com
Margy Deverall  Assistant Director  Area Plan Commission of Tippecanoe County  765 - 423 - 9248  mdeverall@tippecanoe.in.gov
Opal Kuhl  Executive Director  Tippecanoe County Highway Department  765 - 423 - 9210

Conception to Delivery

Gary Mroczka  Director, Production Management  INDOT  317 - 232 - 5226  gmroczka@indot.state.in.us
Greg Kicinski  Manager, Office of Project Management  INDOT  317 - 234 - 1534  gkicinski@indot.state.in.us

County Highway Engineers and Supervisors Meeting

Bob Grand  Indianapolis Office Managing Partner  Barnes & Thornburg LLP  317 - 231 - 7222  melinda.nelis@btlaw.com

County Surveyors Meeting

Dan Figola, P.E.  Regional Engineer  ADS/Hancor  630 - 692 - 1272  dfigola@hancor.com
Joe Rogers  Regional Engineer  Advanced Drainage Systems, Inc.  317 - 417 - 0385  joe.rogers@ads-pipe.com
John H. Stephens  Land Surveyor  T-E INCORPORATED  260 - 489 - 5541  john@t-einc.com

Equipment Issues

Alan Melvin  Environmental Manager  Indiana Department of Environmental Management 317 - 233 - 5623  amelvin@dem.in.gov
Lyndon Callahan  Municipal Specialist  WA Jones Truck Bodies and Equipment  317 - 371 - 8802  lyndon@wajonestruckequipment.com
Randy Strasser  Brown Equipment Co.,Inc.  260 - 747 - 2312  rjstrasser@hotmail.com

Harboring Humor in the Wake of Change

Branna McCarty Smith  WorkLife Manager  Purdue WorkLife Programs  765 - 496 - 3084  branna@purdue.edu
**Hazardous Materials Mock Exercise**

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**Highway Administration and Management**

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Warrick County  
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Indiana Qualifications Based Selection Coalition  
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Sherman G. Greer  
Vanderburgh County Emergency Management Director  
Evansville / Vanderburgh County EMA  
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sgreer@evansvilleema.com

**Indiana Street Commissioners Meeting**

Anthony J. Rice  
Patrolman  
Crawfordville Police Department

**INDOT Meeting**

Dennis A. Kuchler  
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Michael McCool  
Chief Bridge Engineer  
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Ron Heustis  
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**INDOT's New Ten-Year Construction Plan… the Next Step**

John Weaver  
Director Of Planning  
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**Internet Tools and Your Agency**

Alan Pyrz  
Principal  
eGov Strategies LLC  
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**Introduction to NEPA for LPAs**

Ben Lawrence  
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**Liability and Risk Management**

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**Maintenance Issues**

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Vincennes District  
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Randy Collins  
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William S. Rininger  
Roadway Services Maintenance  
Supervisor, Vincennes District  
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**MPO Issues**

Jerry Bridges  
Executive Director  
Madison County Council of Governments  
765 - 641 - 9482  
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John-Paul Hopman  
GIS Model Network Coordinator  
Michiana Area Council of Governments  
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Lihe Wang  
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Rob Shumowsky  
GIS Specialist  
Madison County Council of Governments  
765 - 641 - 9482  
rshum@mccog.net

**New Federal Aid Consultant Selection Process**

Jeff Clanton  
Contracts Manager  
INDOT  
317 - 232 - 4198  
jclanton@indot.state.in.us

John Morton  
Director - Contract Administration  
INDOT  
317 - 233 - 3689  
jmorton@indot.state.in.us

**Opening Session**

Bob Tally  
Division Administrator  
FHWA-Indiana Division  
317 - 226 - 7476  
rh.tally@fhwa.dot.gov

Kate Quinn  
Assistant Division Administrator  
FHWA  
317 - 226 - 7483  
kquinn@fhwa.dot.gov

Mario Cino  
Deputy Secretary  
U.S. DOT  
317 - 226 - 7476  
mario.cino@dot.gov

Richard K Smutzer  
Chief Engineer  
INDOT  
317 - 232 - 5530  smutzer@indot.state.in.us

Tom Sharp  
Commissioner  
INDOT  
317 - 232 - 5526  
tsharp@indot.state.in.us
### Powers and Duties of Local Road and Street Officials

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<tr>
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<th>Title</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Jerry Larson</td>
<td>Training Specialist, Indiana LTAP</td>
<td>Purdue University</td>
<td>765-494-4255</td>
<td><a href="mailto:larsonj@purdue.edu">larsonj@purdue.edu</a></td>
</tr>
<tr>
<td>Rodney Vandeveer</td>
<td>Professor, College of Technology</td>
<td>Purdue University</td>
<td>765-494-6804</td>
<td><a href="mailto:vandevee@purdue.edu">vandevee@purdue.edu</a></td>
</tr>
<tr>
<td>Tom Martin</td>
<td>Program Manager, Indiana LTAP</td>
<td>Purdue University</td>
<td>765-494-2210</td>
<td><a href="mailto:tcmartin@purdue.edu">tcmartin@purdue.edu</a></td>
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### Repair and Maintenance of Asphalt Roads

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<th>Institution</th>
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<tr>
<td>Eric. A. Smith</td>
<td>City Manager</td>
<td>City of Englewood</td>
<td>937-836-5106</td>
<td><a href="mailto:smith@englewood.oh.us">smith@englewood.oh.us</a></td>
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<tr>
<td>Lynn Shireman</td>
<td>Operations Manager Indianapolis</td>
<td>Milestone Contractors, L.P.</td>
<td>317-788-6885</td>
<td><a href="mailto:lynn.shireman@milestone.com">lynn.shireman@milestone.com</a></td>
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<tr>
<td>Wayne Jones</td>
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<td><a href="mailto:wjones@asphaltinstitute.org">wjones@asphaltinstitute.org</a></td>
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### Repair and Maintenance of Concrete Roads

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<tr>
<td>Brian Lutey</td>
<td>Promotions Manager</td>
<td>Indiana Ready Mixed Concrete Association</td>
<td>812-480-4077</td>
<td><a href="mailto:blutey@rmca.com">blutey@rmca.com</a></td>
</tr>
<tr>
<td>Mike Byers</td>
<td>Executive Director</td>
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</tr>
</tbody>
</table>

### SAFETEA-LU: The New Federal Transportation Act

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<tr>
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<th>Title</th>
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<tbody>
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</table>

### Safety Issues I

<table>
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<tr>
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<tbody>
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</table>

### Safety Issues II

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<tbody>
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</tbody>
</table>

### Saving Indiana’s Structural Past for Future Generations

<table>
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<tr>
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### The Future of ITS and Traffic Management in Indiana

<table>
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Pavement Urban/Over $5,000,000       R-27383

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*Back row, left to right:* Bob Tally, Dick O’Connor, Ross Snider, Mike Collard, Dave Korba, Mark Hayden
Pavement Rural/Under $3,000,000  RS-27761-A

Front row, left to right: Tom Russ, Brent Bramer, Pete Kopetski, Roger Rowe, Thomas Sharp
Back row, left to right: Bob Tally, Alan Plunkett, Bruce Conrad, Lee Yarline, Rusty Mann
Pavement Urban/Under $5,000,000  RS-27937

Front row, left to right: Mike Crill, Ryan Shoots
Back row, left to right: Bob Tally, Jim Keefer, Susan Doell, Andy Brooks, Thomas Sharp
Bridges or Structures/Over $4,000,000         B-26739-A

Front row, left to right: Bob Tally, Burne Miller, Michael Cline, Eric Horvath, Thomas Sharp
Back row, left to right: Greg Henneke, Dave Walorski, Kent Moore, Sean Porter
Special Projects/Under $2,000,000   R-28052

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