ROAD SCHOOL 2011

This program belongs to:


Professional License Number:


Total PDH Earned:


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

To request a transcript, visit the registration desk in the east foyer of Stewart Center. Cost of transcript is $6.00
Becky Skillman
Lieutenant Governor

Tickets may still be available at
110 Stewart Center
(next to the Road School Registration Desk)

$20.00

Reserved tickets that have not been paid for will be held until 10 a.m. the day of the luncheon, at which time they will be sold to the public.

EXHIBITOR LUNCHEON

Tuesday, March 8, 2011
11 a.m. - 2 p.m.
North & South Ballrooms
Purdue Memorial Union

All participants are invited to visit with our exhibitors and enjoy our traditional sandwich buffet lunch. Name badges are required for admission. Participating exhibitors are listed on the back cover of this program.

Reserve tickets that have not been paid for will be held until 10 a.m. the day of the luncheon, at which time they will be sold to the public.

$20.00

(next to the Road School Registration Desk)

Tickets may still be available at

Becky Skillman
Lieutenant Governor

ROAD SCHOOL LUNCHEON

Wednesday, March 9, 2011
11 a.m. - 1 p.m.
North & South Ballrooms
Purdue Memorial Union
GENERAL INFORMATION

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

REGISTRAR
Stephanie Botkin
Purdue Conference Division
(765) 494-3253
smbotkin@purdue.edu

COMMITTEE
John Habermann, Indiana LTAP
Lisa Calvert, Indiana LTAP
Neal Carboneau, Indiana LTAP
Rich Domonkos, Indiana LTAP
Laura Slusher, Indiana LTAP
Bob McCullouch, JTRP
Tom Robertson, Purdue Conferences
Dan Keefer, FHWA
Jay Wasson, INDOT
Gary Mroczka, INDOT

REGISTRATION
The Road School registration desk is located in the east foyer of the Stewart Center and will be open 7 a.m. - 5 p.m.

WIRELESS INTERNET
For wireless internet service during the conference, log on to SSID “Purdue Conferences”. To login, simply enter a valid e-mail address and use the Road School password black2011.

INDIANA LTAP DIRECTORIES
Visit Indiana LTAP in room 311 to pick up your copy of the 2011 Directory of Indiana State, County, City, and Town Officials Responsible for Road and Street Work.
Professional Development Hours (PDH)/Continuing Education Units (CEU) are available for the sessions identified as such within this brochure. PDH/CEU are a standardized, nationwide method of recognition for participation in approved, non-credit educational activities. Attendance at the entire session is required for credit.

The Road School planning committee has redesigned the conference schedule to maximize the number of opportunities to acquire PDH/CEU. Your nametag will have a barcode, that when scanned, records your participation in the session in the Purdue system. You must get your barcode scanned at any session where you wish to receive PDH/CEU credit. The PDH/CEU that you obtain at this conference will be registered with Purdue University Continuing Education and Conferences free of charge. To obtain a written transcript, you may request one for a fee of $6.00. This transcript will be considered by the Indiana Professional Licensing Agency as proof of your attendance. You can order transcripts in advance on the Road School registration form. Request forms will also be available at the Road School Registration Desk during the conference.

Please note: Recordkeeping for your PDH/CEU requirements is your responsibility. You MUST get scanned in order for your 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 were not scanned.

No PDH/CEU credit will be awarded once the conference has ended.
## BRIDGES DESIGN CONSTRUCTION FUNDING & FINANCE LEGAL ASPECTS MAINTENANCE

### Tuesday, March 8

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<tr>
<td>11:00-11:50</td>
<td>1. Milton/Madison Bridge Ohio River Replacement Project</td>
<td>11. Design Build 101</td>
<td>EXHIBITOR LUNCHEON</td>
<td>EXHIBITOR LUNCHEON</td>
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<td>12:00-12:50</td>
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<td>PLANNING</td>
<td>PAVEMENT</td>
<td>SAFETY</td>
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<td>11:00</td>
<td>40. Every Day Counts</td>
<td>EXHIBITOR LUNCHEON</td>
<td>52. Spotting Incompatibilities: Concrete Mixtures</td>
<td>62. HSIP Process and Funding</td>
<td>71. Why Trees are Important in Cities and Towns</td>
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<td>12:00-12:50</td>
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<td>2:00-2:50</td>
<td>41. Communication and Leadership</td>
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<td>46. Transportation for Liveable Communities (Healthy by Design)</td>
<td>53. EDC-Safety Edges and Warm Mix Asphalt Applications</td>
<td>63. Strategic Highway Safety Program (SHSP)</td>
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<td>3:00-3:50</td>
<td>42. Presentations that Work</td>
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<td>46. Transportation for Liveable Communities (Healthy by Design)</td>
<td>53. EDC-Safety Edges and Warm Mix Asphalt Applications</td>
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<td>4:00-4:50</td>
<td>42a. Managing Publications</td>
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<td>46. Transportation for Liveable Communities (Healthy by Design)</td>
<td>53. EDC-Safety Edges and Warm Mix Asphalt Applications</td>
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<td>5:00-5:50</td>
<td>42b. The LPA Update</td>
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<td>46. Transportation for Liveable Communities (Healthy by Design)</td>
<td>53. EDC-Safety Edges and Warm Mix Asphalt Applications</td>
<td>63. Strategic Highway Safety Program (SHSP)</td>
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**Tuesday, March 8**

- **9:00 - 10:50**: **OPENING SESSION**
- **11:00 - 11:50**: 40. Every Day Counts
- **12:00 - 12:50**: EXHIBITOR LUNCHEON
- **1:00 - 1:50**: EXHIBITOR LUNCHEON
- **2:00 - 2:50**: 41. Communication and Leadership
- **3:00 - 3:50**: 42. Presentations that Work
- **4:00 - 4:50**: 42a. Managing Publications
- **5:00 - 5:50**: 42b. The LPA Update
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<th>MAINTENANCE</th>
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<tbody>
<tr>
<td>Wednesday, March 9</td>
<td>8:00-8:50</td>
<td>5. Post-tensioning of Concrete Bridge Superstructures</td>
<td>19. Project Materials Usage and Concerns</td>
<td>26. GASB 34</td>
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<td>10:00-10:50</td>
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<td>19. Project Materials Usage and Concerns</td>
<td>26. GASB 34</td>
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<td>11:00-1:00 KEYNOTE LUNCHEON</td>
<td>14. Bridge Deck Overlay Projects 101</td>
<td>20. Project Safety &amp; Work Zone Traffic Control</td>
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<tr>
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<td>TIME</td>
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<td>44. Communicating</td>
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<td>WZTC</td>
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<td>51. I-70 Dedicated</td>
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<td>Project Update</td>
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<td>7:00</td>
<td>52. Road Scholar</td>
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### BRIDGES

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<tr>
<td>1</td>
<td>A Discussion of the Milton/Madison Ohio River Replacement Project</td>
<td>Tue</td>
<td>11-11:50</td>
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<td>2</td>
<td>Every Day Counts Initiatives: Prefabricated Structures and Geosynthetic Reinforced Soils</td>
<td>Tue</td>
<td>2-2:50</td>
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<td>3</td>
<td>Extending the Life of Bridge Structures with Severely Corroded Substructures</td>
<td>Tue</td>
<td>3-3:50</td>
<td>214</td>
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<td>4</td>
<td>Identifying Corroded and Broken Post-tensioned Bars and Transverse Tendons in Existing Bridge Structures</td>
<td>Tue</td>
<td>4-4:50</td>
<td>214</td>
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<td>5</td>
<td>Post-tensioning of Concrete Bridge Superstructures</td>
<td>Wed</td>
<td>8-8:50</td>
<td>214</td>
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<td>6</td>
<td>Incorporating Aesthetics in Your Bridge Design</td>
<td>Wed</td>
<td>9-10:50</td>
<td>214</td>
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<td>7</td>
<td>The Historic Bridge Project Development Process</td>
<td>Wed</td>
<td>1-1:50</td>
<td>214</td>
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<tr>
<td>8</td>
<td>Retaining Structures in Embankment Cuts (“Cut Walls”)</td>
<td>Wed</td>
<td>2-2:50</td>
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<td>9</td>
<td>Light Weight Fills</td>
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<td>10</td>
<td>Purdue Research Updates</td>
<td>Wed</td>
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### DESIGN

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<tr>
<td>1</td>
<td>Design Build 101</td>
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<td>2</td>
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<td>Proprietary Materials</td>
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<td>Bridge Deck Overlay Projects 101</td>
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<td>Small Structure Design 101</td>
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<td>6</td>
<td>Innovative Intersection Solutions</td>
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### CONSTRUCTION

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<tr>
<td>1</td>
<td>Bridge Construction and Concerns</td>
<td>Tue</td>
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<td>Fowler</td>
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<tr>
<td>2</td>
<td>Ecology and Waterway Permitting</td>
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<td>Fowler</td>
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<td>Project Materials and Specifications</td>
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<td>4</td>
<td>Project Safety and Work Zone Traffic Control</td>
<td>Wed</td>
<td>9-10:50</td>
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*Sessions eligible for PDH/CEU are highlighted in grey*
21 New INDOT/FHWA Stewardship and Oversight Agreement Wed 1-1:50 Fowler
22 Change Order Management Wed 2-2:50 Fowler
23 Title VI for Construction Wed 3-4:50 Fowler

FUNDING & FINANCE

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<td>Preparing a Street or Highway Department Budget</td>
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<td>Building Basic Excel Equations</td>
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<td>26</td>
<td>GASB 34</td>
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<td>27</td>
<td>Understanding a Federal Audit</td>
<td>Wed</td>
<td>10-10:50</td>
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<td>INDOT Funding</td>
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<td>1-1:50</td>
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<td>29</td>
<td>FHWA/Reauthorization</td>
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<td>2-2:50</td>
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<td>30</td>
<td>INDOT/LTAP Funding</td>
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<td>3-3:50</td>
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<td>31</td>
<td>Funding Roundtable</td>
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LEGAL ASPECTS

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<td>Ethics and Law</td>
<td>Tue</td>
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<td>Loeb</td>
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<td>33</td>
<td>Right-of-Way Issues</td>
<td>Tue</td>
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<td>34</td>
<td>MUTCD for Elected Officials</td>
<td>Wed</td>
<td>1-2:50</td>
<td>320</td>
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<td>35</td>
<td>NEXTRANS Center Update</td>
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MAINTENANCE

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<td>36</td>
<td>MUTCD for Operation/Maintenance Staff</td>
<td>Tue</td>
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<td>37</td>
<td>Mobility Measurements (Traffic Measurements)</td>
<td>Tue</td>
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<td>38</td>
<td>Highway Maintenance Part 1</td>
<td>Wed</td>
<td>8-10:50</td>
<td>302</td>
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<tr>
<td>39</td>
<td>Highway Maintenance Part 2</td>
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HOT TOPICS

<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Day</th>
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<tr>
<td>40</td>
<td>Every Day Counts: Pushing for Innovation by Taking the Initiative</td>
<td>Tue</td>
<td>11-11:50</td>
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<td>41</td>
<td>Communication and Leadership</td>
<td>Tue</td>
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<td>306</td>
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<td>42</td>
<td>Presentations That Work</td>
<td>Tue</td>
<td>3-3:50</td>
<td>306</td>
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<tr>
<td>42A</td>
<td>Emerging Opportunities for Managing Documents</td>
<td>Tues</td>
<td>4-4:50</td>
<td>306</td>
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<tr>
<td>43</td>
<td>Successful Citizen Service</td>
<td>Wed</td>
<td>9-9:50</td>
<td>306</td>
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<tr>
<td>44</td>
<td>Effectively Communicating with the Media</td>
<td>Wed</td>
<td>10-10:50</td>
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FUNDING & FINANCE

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<td>24</td>
<td>Preparing a Street or Highway Department Budget</td>
<td>Tue</td>
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<td>25</td>
<td>Building Basic Excel Equations</td>
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<td>FHWA/Reauthorization</td>
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LEGAL ASPECTS

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<tr>
<td>32</td>
<td>Ethics and Law</td>
<td>Tue</td>
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<td>33</td>
<td>Right-of-Way Issues</td>
<td>Tue</td>
<td>3-4:50</td>
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<td>34</td>
<td>MUTCD for Elected Officials</td>
<td>Wed</td>
<td>1-2:50</td>
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<td>35</td>
<td>NEXTRANS Center Update</td>
<td>Wed</td>
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MAINTENANCE

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<th>Title</th>
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<tbody>
<tr>
<td>36</td>
<td>MUTCD for Operation/Maintenance Staff</td>
<td>Tue</td>
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<tr>
<td>37</td>
<td>Mobility Measurements (Traffic Measurements)</td>
<td>Tue</td>
<td>3-4:50</td>
<td>302</td>
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<tr>
<td>38</td>
<td>Highway Maintenance Part 1</td>
<td>Wed</td>
<td>8-10:50</td>
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<td>Highway Maintenance Part 2</td>
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HOT TOPICS

<table>
<thead>
<tr>
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<tr>
<td>40</td>
<td>Every Day Counts: Pushing for Innovation by Taking the Initiative</td>
<td>Tue</td>
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<td>Effectively Communicating with the Media</td>
<td>Wed</td>
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### PLANNING

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<tr>
<td>46</td>
<td>Transportation for Liveable Communities</td>
<td>Tue</td>
<td>2-4:50</td>
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<td>47</td>
<td>MPO Session</td>
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<td>48</td>
<td>Collecting and Processing Traffic Data</td>
<td>Wed</td>
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<td>49</td>
<td>Highway Performance Monitoring System 101</td>
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<tr>
<td>50</td>
<td>INDOT’s New Long Range Plan/ Capital Program Management Roadmap</td>
<td>Wed</td>
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<td>51</td>
<td>I-70 Dedicated Truck Lanes Project Update</td>
<td>Wed</td>
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### PAVEMENT

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<tbody>
<tr>
<td>52</td>
<td>Spotting Incompatibilities in Concrete Mixtures</td>
<td>Tue</td>
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<tr>
<td>53</td>
<td>Every Day Counts: Safety Edge and Warm Mix Asphalt Applications</td>
<td>Tue</td>
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<td>54</td>
<td>Pavement Preservation: Build a Better Chip Seal</td>
<td>Tue</td>
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<td>Low Cost Pavement Preservation with Ultra Thin Asphalt Surface 4.75mm</td>
<td>Wed</td>
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<td>56</td>
<td>Extending Performance with Proper Application of Tack and Compaction</td>
<td>Wed</td>
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<td>57</td>
<td>Economics 101 - Minimizing Project Costs Without Sacrificing Quality</td>
<td>Wed</td>
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<td>58</td>
<td>LTAP Research Project: Roller Compacted Concrete Pavement Manual for Local Governments</td>
<td>Wed</td>
<td>1-1:50</td>
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<td>59</td>
<td>Full Depth Reclamation with Cement</td>
<td>Wed</td>
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<tr>
<td>60</td>
<td>Concrete Pavement Design and Basics to Assist Proper Performance</td>
<td>Wed</td>
<td>3-3:50</td>
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<tr>
<td>61</td>
<td>New Technologies: Repair of Concrete Pavements</td>
<td>Wed</td>
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### SAFETY

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<tr>
<td>62</td>
<td>HSIP Process and Funding</td>
<td>Tue</td>
<td>11-11:50</td>
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<tr>
<td>63</td>
<td>Strategic Highway Safety Program (SHSP) - The Next Generation</td>
<td>Tue</td>
<td>2-3:50</td>
<td>320</td>
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*Sessions eligible for PDH/CEU are highlighted in grey
64 New INDOT Traffic Safety Initiatives  Tue 4-4:50 320
65 Updates to the Work Zone Traffic Control Handbook Wed 8-8:50 322
66 Highway Safety Manual Overview Wed 9-10:50 322
67 Indiana Traffic Records Data Improvements Wed 1-1:50 322
68 Addressing Roadway Departure Crashes Wed 2-2:50 322
69 Road Safety Audit Fundamentals Wed 3-3:50 322
70 RSIT2 - A Tool for Road Safety Audits Wed 4-4:50 322

SUSTAINABILITY

<table>
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<th>Title</th>
<th>Day</th>
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<tbody>
<tr>
<td>71</td>
<td>Why Street Trees are Important in Hoosier Cities and Towns</td>
<td>Tue</td>
<td>11-11:50</td>
<td>206</td>
</tr>
<tr>
<td>72</td>
<td>Impacts of Alternate Energy Facilities on Local Roads</td>
<td>Tue</td>
<td>2-2:50</td>
<td>206</td>
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<tr>
<td>73</td>
<td>Sidewalk Reconstruction: How to Handle Tree Roots and Curb Ramps</td>
<td>Tue</td>
<td>3-4:50</td>
<td>206</td>
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<tr>
<td>74</td>
<td>Green Infrastructure for Sustainable Stormwater Management</td>
<td>Wed</td>
<td>8-8:50</td>
<td>206</td>
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<tr>
<td>75</td>
<td>Culvert Slip Lining</td>
<td>Wed</td>
<td>9-9:50</td>
<td>206</td>
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<tr>
<td>76</td>
<td>Pedestrians and Intersections</td>
<td>Wed</td>
<td>10-10:50</td>
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<td>77</td>
<td>Complete Streets</td>
<td>Wed</td>
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<td>78</td>
<td>Billboards</td>
<td>Wed</td>
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<td>78a</td>
<td>SHRP 2 Naturalistic Driving Study</td>
<td>Wed</td>
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LOCAL AGENCY MANAGEMENT

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<th>Title</th>
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<tbody>
<tr>
<td>79</td>
<td>Transportation Asset Management for Counties, Cities, and Towns</td>
<td>Tue</td>
<td>2-2:50</td>
<td>314</td>
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<tr>
<td>80</td>
<td>The LPA Update</td>
<td>Tue</td>
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<tr>
<td>81</td>
<td>Road Scholar Core Course #6 - Basics of a Good Road</td>
<td>Wed</td>
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<td>82</td>
<td>Roundabout Design for Large Trucks</td>
<td>Wed</td>
<td>2-2:50</td>
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<td>RebuildIndy Initiative</td>
<td>Wed</td>
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*Sessions eligible for PDH/CEU are highlighted in grey*
### MAJOR PROJECT UPDATES

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<td>86</td>
<td>I-69 Update</td>
<td>Tue</td>
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<tr>
<td>87</td>
<td>Major Moves Updates Including US 31 and SR 25</td>
<td>Tue</td>
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### ASSOCIATION MEETING

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<tbody>
<tr>
<td>88</td>
<td>Performance Measures for Signalized Intersections (IACE)</td>
<td>Thur</td>
<td>8:30-10</td>
<td>322</td>
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<tr>
<td></td>
<td>American Public Works Association (APWA) - Indiana Chapter</td>
<td>Thur</td>
<td>8:30-10</td>
<td>318</td>
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<td>American Society of Highway Engineers (ASHE)</td>
<td>Thur</td>
<td>8:30-10</td>
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<td>American Traffic Safety Services Association (ATSSA)</td>
<td>Thur</td>
<td>8:30-10</td>
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<td>Indiana Association of County Commissioners (IACC)</td>
<td>Thur</td>
<td>8:30-10</td>
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<td>Indiana Association of County Highway Engineers and Supervisors (IACHES)</td>
<td>Thur</td>
<td>8:30-10</td>
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<td>Indiana County Auditors Association</td>
<td>Thur</td>
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<td>Indiana Street Commissioners Association (ISCA)</td>
<td>Thur</td>
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### LPA CERTIFICATION TRAINING

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<tr>
<td>89</td>
<td>LPA Certification Training</td>
<td>Thur</td>
<td>10-5:30</td>
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*Sessions eligible for PDH/CEU are highlighted in grey*
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<th>No.</th>
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<tbody>
<tr>
<td>9 a.m. - 10:50 a.m.</td>
<td><strong>Opening Session</strong></td>
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<td>11 a.m. - 11:50 a.m.</td>
<td>A Discussion of the Milton/Madison Ohio River Replacement Project</td>
<td>214</td>
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<tr>
<td>11 Design Build 101 (2hrs)</td>
<td>218</td>
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<tr>
<td>40 Every Day Counts (2hrs)</td>
<td>306</td>
<td></td>
</tr>
<tr>
<td>52 Spotting Incompatibilities in Concrete Mixtures</td>
<td>202</td>
<td></td>
</tr>
<tr>
<td>62 HSIP Process and Funding</td>
<td>320</td>
<td></td>
</tr>
<tr>
<td>71 Why Trees are Important in Hoosier Cities and Towns</td>
<td>206</td>
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<tr>
<td>12 p.m. - 12:50 p.m.</td>
<td>Exhibitor Luncheon</td>
<td>Union</td>
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<tr>
<td>1 p.m. - 1:50 p.m.</td>
<td>Exhibitor Luncheon</td>
<td>Union</td>
</tr>
<tr>
<td>17 Bridge Construction and Concerns (2hrs)</td>
<td>Fowler</td>
<td></td>
</tr>
<tr>
<td>32 Ethics and Law (2hrs)</td>
<td>Loeb</td>
<td></td>
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<tr>
<td>36 MUTCD for Operations and Maintenance Staff (2hrs)</td>
<td>302</td>
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<tr>
<td>2 p.m. - 2:50 p.m.</td>
<td>EDC Initiatives: Prefabricated Structures and Geosynthetic Reinforced Soils</td>
<td>214</td>
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<tr>
<td>12 Current Pavement Practices (2hrs)</td>
<td>218</td>
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<tr>
<td>17 Bridge Construction and Concerns (continued)</td>
<td>Fowler</td>
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<tr>
<td>24 Preparing a Street or Highway Department Budget (2hrs)</td>
<td>310</td>
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<tr>
<td>32 Ethics and Law (continued)</td>
<td>Loeb</td>
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</tr>
<tr>
<td>36 MUTCD for Operations and Maintenance Staff (continued)</td>
<td>302</td>
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</tr>
<tr>
<td>41 Communication and Leadership</td>
<td>306</td>
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<tr>
<td>46 Transportation for Liveable Communities (3hrs)</td>
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<tr>
<td>53 EDC - Safety Edges and Warm Mix Asphalt</td>
<td>204</td>
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</tr>
<tr>
<td>63 Strategic Highway Safety Program (SHSP) (2hrs)</td>
<td>320</td>
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<tr>
<td>72 Impacts of Alternate Energy on Facilities</td>
<td>206</td>
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<tr>
<td>79 Transportation Asset Management for Local Agencies</td>
<td>314</td>
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<td>86 I-69 Update (2hrs)</td>
<td>318</td>
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*Sessions eligible for PDH/CEU are highlighted in grey*
### 3 p.m. - 3:50 p.m.

<table>
<thead>
<tr>
<th>3</th>
<th>Extending the Life of Bridge Structures with Severely Corroded Substructures</th>
<th>214</th>
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<tbody>
<tr>
<td>12</td>
<td>Current Pavement Practices (continued)</td>
<td>218</td>
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<tr>
<td>18</td>
<td>Ecology and Waterway Permitting (2hrs)</td>
<td>Fowler</td>
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<tr>
<td>24</td>
<td>Preparing a Street or Highway Department Budget (continued)</td>
<td>310</td>
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<tr>
<td>33</td>
<td>Right of Way Issues (2hrs)</td>
<td>322</td>
</tr>
<tr>
<td>37</td>
<td>Mobility Measurements (Traffic Measurements) (2hrs)</td>
<td>302</td>
</tr>
<tr>
<td>42</td>
<td>Presentations that Work</td>
<td>306</td>
</tr>
<tr>
<td>46</td>
<td>Transportation for Liveable Communities (continued)</td>
<td>204</td>
</tr>
<tr>
<td>54</td>
<td>Pavement Preservation: Build a Better Chip Seal (2hrs)</td>
<td>202</td>
</tr>
<tr>
<td>63</td>
<td>Strategic Highway Safety Program (SHSP) (continued)</td>
<td>320</td>
</tr>
<tr>
<td>73</td>
<td>Sidewalk Reconstruction: How to Handle Tree Roots and Curb Ramps (2hrs)</td>
<td>206</td>
</tr>
<tr>
<td>80</td>
<td>The LPA Update (2hrs)</td>
<td>314</td>
</tr>
<tr>
<td>86</td>
<td>I-69 Update (continued)</td>
<td>318</td>
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### 4 p.m. - 4:50 p.m.

<table>
<thead>
<tr>
<th>4</th>
<th>Identifying Corroded and Broken Post-tensioned Bars and Transverse Tendons in Existing Bridge Superstructures</th>
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<tr>
<td>13</td>
<td>Proprietary Materials</td>
<td>218</td>
</tr>
<tr>
<td>18</td>
<td>Ecology and Waterway Permitting (continued)</td>
<td>Fowler</td>
</tr>
<tr>
<td>25</td>
<td>Building Basic Excel Equations</td>
<td>310</td>
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<tr>
<td>33</td>
<td>Right of Way Issues (continued)</td>
<td>322</td>
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<tr>
<td>37</td>
<td>Mobility Measurements (Traffic Measurements) (continued)</td>
<td>302</td>
</tr>
<tr>
<td>42A</td>
<td>Emerging Opportunities for Managing Documents</td>
<td>306</td>
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<tr>
<td>46</td>
<td>Transportation for Liveable Communities (continued)</td>
<td>204</td>
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<tr>
<td>54</td>
<td>Pavement Preservation: Build a Better Chip Seal (continued)</td>
<td>202</td>
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<tr>
<td>64</td>
<td>New INDOT Traffic Safety Initiatives</td>
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<tr>
<td>73</td>
<td>Sidewalk Reconstruction: How to Handle Tree Roots and Curb Ramps (continued)</td>
<td>206</td>
</tr>
<tr>
<td>80</td>
<td>The LPA Update (continued)</td>
<td>314</td>
</tr>
<tr>
<td>87</td>
<td>Major Moves Update</td>
<td>306</td>
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*Sessions eligible for PDH/CEU are highlighted in grey*
<table>
<thead>
<tr>
<th>No.</th>
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<tr>
<td>8 a.m. - 8:50 a.m.</td>
<td></td>
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</tr>
<tr>
<td>8</td>
<td>Surveyors’ Association Meeting (all day)</td>
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<td>5</td>
<td>Post-tensioning of Concrete Bridges Superstructures</td>
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<td>19</td>
<td>Project Materials Usage and Concerns</td>
<td>Fowler</td>
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<tr>
<td>26</td>
<td>GASB 34 (2hrs)</td>
<td>310</td>
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<td>38</td>
<td>Highway Maintenance Part 1: Pavement Preservation, Bridge/Culvert Preservation Initiative (3hrs)</td>
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<td>47</td>
<td>MPO Session (3hrs)</td>
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<td>55</td>
<td>Low Cost Pavement Preservation with Ultra Thin Asphalt Surface 4.75mm</td>
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<td>Updates to WZTC Handbook</td>
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<tr>
<td>74</td>
<td>Green Infrastructure for Sustainable Stormwater Management</td>
<td>206</td>
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<tr>
<td>81</td>
<td>Road Scholar Core Course #6 - Basics of a Good Road (3hrs)</td>
<td>314</td>
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<tr>
<td>9 a.m. - 9:50 a.m.</td>
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<tr>
<td>6</td>
<td>Incorporating Aesthetics in Your Bridge Design (2hrs)</td>
<td>214</td>
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<tr>
<td>14</td>
<td>Bridge Deck Overlay Projects 101 (2hrs)</td>
<td>218</td>
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<tr>
<td>20</td>
<td>Project Safety &amp; Work Zone Traffic Control (2hrs)</td>
<td>Fowler</td>
</tr>
<tr>
<td>26</td>
<td>GASB 34 (continued)</td>
<td>310</td>
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<tr>
<td>32</td>
<td>Ethics and Law (2hrs)</td>
<td>Loeb</td>
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<tr>
<td>38</td>
<td>Highway Maintenance Part 1: Pavement Preservation, Bridge/Culvert Preservation Initiative (continued)</td>
<td>302</td>
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<tr>
<td>43</td>
<td>Successful Citizen Service</td>
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<tr>
<td>47</td>
<td>MPO Session (continued)</td>
<td>204</td>
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<td>56</td>
<td>Extending Performance with Proper Application of Tack and Compaction</td>
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<tr>
<td>66</td>
<td>Highway Safety Manual (2hrs)</td>
<td>322</td>
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<td>75</td>
<td>Culvert Slip Lining</td>
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<td>81</td>
<td>Road Scholar Core Course #6 - Basics of a Good Road (continued)</td>
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<td>10 a.m. - 10:50 a.m.</td>
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<td>Incorporating Aesthetics in Your Bridge Design (continued)</td>
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<tr>
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<td>Bridge Deck Overlay Projects 101 (continued)</td>
<td>218</td>
</tr>
<tr>
<td>20</td>
<td>Project Safety &amp; Work Zone Traffic Control (continued)</td>
<td>Fowler</td>
</tr>
<tr>
<td>27</td>
<td>Understanding a Federal Audit</td>
<td>310</td>
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<tr>
<td>32</td>
<td>Ethics and Law (continued)</td>
<td>Loeb</td>
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*Sessions eligible for PDH/CEU are highlighted in grey*
16 Highway Maintenance Part 1: Pavement Preservation, Bridge/Culvert Preservation Initiative
38 Highway Maintenance Part 2: Roadside Vegetation, Traffic Signal Technologies

11 a.m. - 1 p.m.
- Historic Bridge Project Development Process
- Small Structure Design 101 (3hrs)
- New INDOT/FHWA Stewardship and Oversight Agreement
- MUTCD for Elected Officials (2hrs)
- ITE Session (4hrs)
- Collecting and Processing Traffic Data
- LTAP Research Project - RCC Pavement Manual
- Indiana Traffic Records Data Improvements
- Complete Streets (2hrs)
- Roundabouts Design for Large Trucks

1 p.m. - 1:50 p.m.
- Highway Safety Manual (continued)
- Pedestrians and Intersections
- Road Scholar Core Course #6 - Basics of a Good Road (continued)
- ITE Session (continued)
- Highway Performance Monitoring System 101

2 p.m. - 2:50 p.m.
- INDOT Funding
- MUTCD for Elected Officials (continued)
- Highway Maintenance Part 2: Roadside Vegetation, Traffic Signal Technologies (continued)
- ITE Session (continued)
- Full Depth Reclamation with Cement
- Addressing Roadway Departure Crashes
- Complete Streets (continued)
- RebuildIndy Initiative

*Sessions eligible for PDH/CEU are highlighted in grey
<table>
<thead>
<tr>
<th>3 p.m. - 3:50 p.m.</th>
<th>4 p.m. - 4:50 p.m.</th>
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<tbody>
<tr>
<td>9 Light Weight Fills</td>
<td>10 Purdue Research Updates</td>
</tr>
<tr>
<td>15 Small Structure Design 101 (continued)</td>
<td>16 Innovative Intersection Solutions</td>
</tr>
<tr>
<td>23 Title VI for Construction (2hrs)</td>
<td>23 Title VI for Construction (continued)</td>
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<tr>
<td>30 INDOT/LPA Funding</td>
<td>31 Funding Roundtable</td>
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<tr>
<td>35 NEXTRANS Center Update</td>
<td>35 NEXTRANS Center Update</td>
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<tr>
<td>45 ITE Session (continued)</td>
<td>45 ITE Session (continued)</td>
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<tr>
<td>50 INDOT’s New Long Range Plan/Capital Program Management Roadmap</td>
<td>51 I-70 Dedicated Truck Lanes Project Update</td>
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<tr>
<td>60 Concrete Pavement Design Basics</td>
<td>61 New Technologies: Repair of Concrete Pavements</td>
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<tr>
<td>69 Road Safety Audit Fundamentals</td>
<td>70 RSIT2 - A Tool for Road Safety Audits</td>
</tr>
<tr>
<td>78 Billboards</td>
<td>78a SHRP 2 Naturalistic Driving Study</td>
</tr>
<tr>
<td>84 Winter Maintenance and Salt Brine</td>
<td>206 SHRP 2 Naturalistic Driving Study</td>
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<tr>
<td><em>Sessions eligible for PDH/CEU are highlighted in grey</em></td>
<td>70 RSIT2 - A Tool for Road Safety Audits</td>
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*Sessions eligible for PDH/CEU are highlighted in grey*
## THURSDAY

<table>
<thead>
<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>88</td>
<td>Performance Measures for Signalized Intersections (2hrs)</td>
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<td></td>
<td>American Society of Highway Engineers (ASHE)</td>
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<td></td>
<td>American Traffic Safety Services Association (ATSSA)</td>
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<td></td>
<td>Indiana Association of County Commissioners (IACC)</td>
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<td>Indiana Association of County Highway Engineers and Supervisors (IACHES)</td>
<td>310</td>
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<td></td>
<td>Indiana Street Commissioners Association (ISCA)</td>
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<tr>
<td>89</td>
<td>LPA Certification Training</td>
<td>214</td>
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</table>

*8 a.m. - 8:50 a.m.*
CREATE YOUR SCHEDULE

**TUESDAY, MARCH 8**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Room</th>
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<tbody>
<tr>
<td>9-10:50</td>
<td>Opening Session</td>
<td>Loeb</td>
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<tr>
<td>11-11:50</td>
<td>Exhibitor Luncheon</td>
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<tr>
<td>12:50</td>
<td>Exhibitor Luncheon</td>
<td>North &amp; South Ballrooms</td>
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<tr>
<td>1-1:50</td>
<td>Exhibitor Luncheon</td>
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<tr>
<td>2-2:50</td>
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<td>3-3:50</td>
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<td>4-4:50</td>
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<tr>
<td>5-7</td>
<td>Welcome Reception</td>
<td>University Plaza Hotel</td>
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**WEDNESDAY, MARCH 9**

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
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<td>9-9:50</td>
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<td>10-10:50</td>
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<tr>
<td>11-1</td>
<td>Road School Luncheon</td>
<td>North &amp; South Ballrooms</td>
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<td>1-1:50</td>
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<td>4-4:50</td>
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**THURSDAY, MARCH 10**

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<tr>
<th>Time</th>
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<td></td>
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<tr>
<td>10-5:30</td>
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</table>
97th Annual Road School
Opening Session

Date: Tuesday, March 8
Time: 9 a.m. - 10:50 a.m.
Room: Loeb Theater

Welcome Comments and Opening Remarks
Darcy Bullock
Co-Chairman, Road School
Director, Joint Transportation Research Program
Purdue University

Robert Tally
Division Administrator
FHWA, Indiana Division

Keynote Speakers
Greg Nadeau
Deputy Administrator
FHWA

Ted Ellis
Mayor of Bluffton
Nation League of Cities

Michael B. Cline
Commissioner
INDOT

Indiana Partnership for Transportation Quality
Awards Presentation
Mark Miller
Master Road Builder Presentation
John Habermann
Program Manager, Indiana LTAP
Purdue University

Question & Answer Panel
A Discussion of the Milton/Madison Ohio River Replacement Project

Date: Tuesday, March 8
Time: 11 a.m. - 11:50 a.m.
Room: STEW 214

Learn about the environmental process and construction techniques that will significantly reduce the time the bridge is closed to traffic.

Moderator: Louis Feagans
Project Management
INDOT

Speakers: Kevin Hetrick
Project Manager
INDOT

Aaron Stover
Project Manager
INDOT

Scott Zang
Technical Consultant
Michael Baker, Jr.

Michael Baker, Jr.
Technical Consultant
INDOT

Scott Zang
INDOT

Aaron Stover
INDOT

Speakers: Kevin Hetrick

Moderator: Louis Feagans
Project Management
INDOT

Michael Baker, Jr.
Technical Consultant
INDOT

Scott Zang
INDOT

Aaron Stover
INDOT

Speakers: Kevin Hetrick

Moderator: Louis Feagans
Project Management
INDOT

Michael Baker, Jr.
Technical Consultant
INDOT

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Moderator: Louis Feagans
Project Management
INDOT

Michael Baker, Jr.
Technical Consultant
INDOT

Scott Zang
INDOT

Aaron Stover
INDOT

Speakers: Kevin Hetrick

Moderator: Louis Feagans
Project Management
INDOT
Every Day Counts Initiatives:
Prefabricated Structures and Geosynthetic Reinforced Soils

Date: Tuesday, March 8
Time: 2 p.m. - 2:50 p.m.
Room: STEW 214
1 PDH/.1 CEU

The Federal Highway Administration will provide information on their new Every Day Counts (EDC) initiative. There will be a general overview of the initiative and more specific discussions of two bridge related initiatives.

Moderator: Louis Feagans
Project Management
INDOT

Speaker: Keith Hoernschemeyer
Division Bridge Engineer
FHWA, Indiana Division

Extending the Life of Bridge Structures
with Severely Corroded Substructures

Date: Tuesday, March 8
Time: 3 p.m. - 3:50 p.m.
Room: STEW 214
1 PDH/.1 CEU

This session will discuss methods to help owners mitigate risks and extend the service life of bridges with corrosion.

Moderator: Mike Obergfell
Vice President
USI Consultants

Speaker: Siva Venugopalan
Principal Engineer
Siva Corrosion Services, Inc.
Identifying Corroded and Broken Post-tensioned Bars and Transverse Tendons in Existing Bridge Structures

**Date:** Tuesday, March 8
**Time:** 4 p.m. - 4:50 p.m.
**Room:** STEW 214
1 PDH/.1 CEU

*Learn how to help mitigate risks and extend the service life of these types of structures.*

**Moderator:** Mike Obergfell
Vice President
USI Consultants

**Speaker:** Siva Venugopalan
Principal Engineer
Siva Corrosion Services, Inc.

---

Post-tensioning of Concrete Bridge Superstructures

**Date:** Wednesday, March 9
**Time:** 8 a.m. - 8:50 a.m.
**Room:** STEW 214
1 PDH/.1 CEU

*This session will discuss the processes and best practices necessary for shop drawing preparation and construction of long span post-tensioned concrete bridges.*

**Moderator:** Siva Venugopalan
Principal Engineer
Siva Corrosion Services, Inc.

**Speaker:** Marvin Burns
Vice President
Janssen & Spaans Engineering, Inc.
Incorporating Aesthetics in Your Bridge Design

Date: Wednesday, March 9
Time: 9 a.m. - 10:50 a.m.
Room: STEW 214
2 PDH/.2 CEU

Topics such as structure components, shapes, rails, colors, textures, finishes, lighting, and aesthetics. The presentation will be organized around The Bridge Aesthetics Sourcebook recently published by the American Association of State Highway and Transportation Officials.

Moderator: Jim Olson
County Engineer
Jefferson County

Speakers: Mary McCahon
Senior Historian
Tran Systems

Joe Showers
Chief Bridge Engineer
CH2M HILL World Headquarters
7 The Historic Bridge Project Development Process

Date: Wednesday, March 9
Time: 1 p.m. - 1:50 p.m.
Room: STEW 214
1 PDH/.1 CEU

We will discuss specifics for select and non-select structures and provide descriptions of alternatives analysis, the level of detail depending on the deficiency and provide examples of different scenarios to explain what happens in different circumstances.

Moderator: Jim Olson
County Engineer
Jefferson County

Speakers: Larry Heil
Air Quality/Environmental
FHWA, Indiana Division

Mary Kennedy
Architectural Historian
INDOT

8 Retaining Structures in Embankment Cuts (“Cut Walls”)

Date: Wednesday, March 9
Time: 2 p.m. - 2:50 p.m.
Room: STEW 214
1 PDH/.1 CEU

This presentation will discuss earth retention systems for excavated areas, grade separation “cut wall applications” with limited right-of-way, lengthening bridges and stabilization of landslides. It will cover contracting, wall selection, required elements, and typical costs.

Moderator: Mike Wigger
Geotechnical Engineering
Earth Exploration

Speaker: Scott Ludlow
Principal Engineer
Earth Exploration
Light Weight Fills

**Date:** Wednesday, March 9

**Time:** 3 p.m. - 3:50 p.m.

**Room:** STEW 214

1 PDH/.1 CEU

This presentation will discuss the use of lightweight materials to lessen the effect of settlement in new embankment sections. Local examples will be presented.

**Moderator:** Mike Wigger  
Geotechnical Engineering  
Earth Exploration

**Speakers:** Curtis R. Bradburn  
Senior Geotechnical  
Earth Exploration

Marc A. Rape  
Project Manager  
Strand Associates, Inc.
This session will discuss the use of decommissioned railroad flat cars as bridges in Indiana. It will demonstrate a database of repairs to steel structures with fracture and fatigue problems and provide information on an internal curing concrete mixture used in an Indiana bridge application.

Moderator: John Ayers
County Engineer
Hendricks County

Speakers: Carmelo Dibella
Graduate Research Assistant
Purdue University

Robert Connor
Associate Professor
Purdue University
Design Build 101

Date: Tuesday, March 8
Time: 11 a.m. - 11:50 a.m.
Room: STEW 218
1 PDH/.1 CEU

Introductory course on the basics of the design build delivery method for use on all types and all sizes of transportation projects.

Moderator: Gary Mroczka
Capital Program Management Director
INDOT

Speaker: Greg Kicinski
Project Management Director
INDOT
Current Pavement Practices

Date: Tuesday, March 8
Time: 2 p.m. - 3:50 p.m.
Room: STEW 218
2 PDH/.2 CEU

As part of the asset management, INDOT has created a new pavement condition rating factor developed as part of the scoring roadway projects. This session will focus on the process for Local federal-aid and State developed projects, give a brief overview of Mechanistic Empirical Pavement Design Guide (MEPDG), alternative pavement bidding process and lessons learned from several alternate pavement bidding projects.

Moderator: Tommy Nantung
Pavement Materials Manager
INDOT

Speakers: David Andrewski
Pavement Engineering Manager
INDOT

Pankaj Patel
Highway Asset Management Engineer
INDOT

John Weaver
Financial Systems Integration Director
FHWA, Indiana Division

FHWA, Indiana Division
Director
Financial Systems Integration
John Weaver
INDOT
Engineer
Highway Asset Management
Pankaj Patel
INDOT

Pavement Engineering Manager
David Andrewski

INDOT
Financial Materials Manager
Tommy Nantung
INDOT

FHWA, Indiana Division
Post Pavement Bidding Projects
pavement bidding projects and lessons learned from several analytic pavement design criteria (MEPDG), alternative pavement projects, give a brief overview of mechanistic empirical projects. This session will focus on the process for Local federal-aid and State developed new pavement condition rating factor developed as part of the asset management, INDOT has created a

2 PDH/.2 CEU

Room: STEW 218
Time: 2 p.m. - 3:50 p.m.
Date: Tuesday, March 8
Proprietary Materials

Date: Tuesday, March 8
Time: 4 p.m. - 4:50 p.m.
Room: STEW 218
1 PDH/.1 CEU

Proprietary materials with unique attributes within federal-aid transportation projects require special considerations and approval. This session will share the current federal requirements, the process for approval and contract and technical specifications.

Moderator: Russ Brittain
Team Supervisor
INDOT

Speakers: Eryn Fletcher
Transportation Engineer
FHWA, Indiana Division
Shariq Husain
Senior Roadway Review Engineer
INDOT

Bridge Deck Overlay Projects 101

Date: Wednesday, March 9
Time: 9 a.m. - 10:50 a.m.
Room: STEW 218
2 PDH/.2 CEU

Introductory Course on the scoping and design considerations of bridge deck overlays.

Moderator: Steve Hauersperger
Capital Program Management Director
INDOT

Speaker: Greg Carleton
Bridge Rehabilitation Team Leader
INDOT
George Snyder
Bridge Rehabilitation Team Leader
INDOT
Small Structure Design 101

Date: Wednesday, March 9
Time: 1 p.m. - 3:50 p.m.
Room: STEW 218

With the aging of tens of thousands of Indiana's existing small structures, transportation agencies statewide are looking for ways to repair or replace small structures more cost effectively. This session will cover hydraulic considerations and analysis and small structure design.

Moderator: Merrill Dougherty
Hydraulics Team Leader
INDOT

Speakers:
John Bartolo
Hydraulics Engineer
INDOT

Richard Thomas
Design Supervisor
INDOT, Vincennes District

Crystal Weaver
Hydraulics Engineer
INDOT

Mark Williams
Design Supervisors
INDOT, Vincennes District
During the past decade, a variety of new innovative intersection treatments have arisen as potential solutions to address safety and mobility challenges. This session will provide details of a variety of types.

**Moderator:** John Wright  
Highway Design & Technical Support Director  
INDOT

**Speakers:**  
Amanda Johnson  
Design Engineer  
A&F Engineering

Abhishek Joshi  
Design Engineer  
A&F Engineering
Bridge Construction and Concerns

Date: Tuesday, March 8
Time: 1 p.m. - 2:50 p.m.
Room: Fowler Hall
2 PDH/.2CEU

Tailored for construction project engineers and supervisors, this session will share current best practices and lessons learned from past bridge construction activities.

Moderator: Mark Miller
Construction Management Director
INDOT

Speakers:
- Tom Brummett
  Project Supervisor
  INDOT, Vincennes District
- Gary Kreutzjans
  Project Engineer
  INDOT, Seymour District
- Jim Reilman
  Construction Field Engineer
  INDOT
- Mike Stair
  Senior Construction Engineer
  Parsons Brinkerhoff
Ecology and Waterway Permitting

Date: Tuesday, March 8
Time: 3 p.m. - 4:50 p.m.
Room: Fowler Hall

2 PDH/.2 CEU

This session will share current best practices and lessons learned for ecology and waterway permitting activities within construction projects.

Moderator: Mark Miller
Construction Management Director
INDOT

Speakers: Tom Harris
Construction Field Engineer
INDOT

Nathan Saxe
Senior Environment Manager
INDOT
Project Materials Usage and Concerns

Date: Wednesday, March 9
Time: 8 a.m. - 8:50 a.m.
Room: Fowler Hall
1 PDH/.1 CEU

This session will share current best practices and lessons learned for the management of materials pertaining to current specifications on construction projects.

Moderator: Mark Miller
Construction Management Director
INDOT

Speakers:

Tom Harris
Construction Field Engineer
INDOT

Nathan Saxe
Senior Environment Manager
INDOT

Ron Walker
Materials Management Manager
INDOT
New INDOT/FHWA Stewardship and Oversight Agreement

Date: Wednesday, March 9
Time: 1 p.m. - 1:50 p.m.
Room: Fowler Hall

This session will describe how agencies will oversee the federal-aid program, including multiple performance measures, commitment measures and day-to-day activities of administering the federal-aid program.

Moderator: Dan Brassard
Chief Financial Officer and Deputy Commissioner of Finance
INDOT

Speakers:
- Ken Leuderalbert
  Senior Transportation Engineer
  FHWA, Indiana Division
- John Weaver
  Financial Systems Integration Director
  FHWA, Indiana Division
Change Order Management

Date: Wednesday, March 9
Time: 2 p.m. - 2:50 p.m.
Room: Fowler Hall
1 PDH/.1 CEU

This session will share current best practices for the management and processing of change orders on federal-aid construction projects.

Moderator: Robert Dirks
Program Manager
FHWA, Indiana Division

Speakers:
Bren George
Senior Transportation Engineer
FHWA, Indiana Division

Mark Miller
Construction Management Director
INDOT

Greg Pankow
State Construction Engineer
INDOT

INDOT
Chief Construction Engineer
Greg Pankow

INDOT
Construction Management Director
Mark Miller

FHWA, Indiana Division
Senior Transportation Engineer
Bren George

FHWA, Indiana Division
Program Manager
Robert Dirks

and construction projects. This session will share current best practices for the management and processing of change orders on federal-aid construction projects.
Title VI for Construction

Date: Wednesday, March 9
Time: 3 p.m. - 4:50 p.m.
Room: Fowler Hall

2 PDH/.2 CEU

This session will share rules, regulation, and best practices pertaining to contract specifications for compliance with Title VI - Nondiscrimination in Federally Assisted Programs on construction projects.

Moderator: Tiffany Mulligan
Economic Opportunity and Pre-qualification Director
INDOT

Speakers:
Latosha Higgins
Title VI/ADA Program Manager
INDOT

Ken Woodruff
Civil Rights Program Manager
FHWA, Indiana Division

38
Preparing a Street or Highway Department Budget

**Date:** Tuesday, March 8

**Time:** 2 p.m. - 3:50 p.m.

**Room:** Stewart 310

2 PDH/.2 CEU

Designed to assist county highway and city and town street department personnel in planning and preparing a budget. Discuss the factors that go into presenting an accurate budget, along with the definitions and terminology associated with the process. Forms to complete the budget process will be presented and tips on planning and accounting practices will be offered.

**Moderator:** Charlie Pride  
Office Supervisor, Cities, Towns, and Libraries  
State Board of Accounts

**Speakers:**  
Curtis Coonrod  
C.L. Coonrod & Company

Stephanie L. Lilly  
C.L. Coonrod & Company

Benjamin W. Roeger  
C.L. Coonrod & Company
If you are responsible for your agency’s budget or regularly track expenses, join us as a member of the Purdue Krannert School of Business teaches basic calculations and spreadsheets that can help even an Excel novice create professional and accurate reports.

**Moderator:** Radene Varvel  
Highway Clerk  
Putnam County

**Speaker:** Carson J. Reeling  
Research Assistant  
Purdue University
26  GASB 34

Date:  Wednesday, March 9
Time:  8 a.m. - 9:50 a.m.
Room:  Stewart 310
        2 PDH/.2 CEU
This session will cover the annual updating of capital asset and general infrastructure information for financial reporting and compliance to Statement No. 34 of the Government Accounting Standards Board (GASB).
Moderator:  Duane Alverson
            Highway Engineer
            Lake County
Speakers:  Jon Peterson
           Government Fixed Asset Services, Inc.
           Mike Nielson
           Government Fixed Asset Services, Inc.
           Charlie Pride
           Office Supervisor, Cities, Towns, and Libraries
           State Board of Accounts

27  Understanding a Federal Audit

Date:  Wednesday, March 9
Time:  10 a.m. - 10:50 a.m.
Room:  Stewart 310
This session will help individuals understand the framework of a federal audit on FHWA funded projects.
Moderator/ Speaker:  Robert Dirks
           Design and Construction Team Leader
           FHWA, Indiana Division
Speakers:  Jon Peterson
           Government Fixed Asset Services, Inc.
           Mike Nielson
           Government Fixed Asset Services, Inc.
           Charlie Pride
           Office Supervisor, Cities, Towns, and Libraries
           State Board of Accounts
           Duane Alverson
           Highway Engineer
           Lake County
           Jon Peterson
           Design and Construction Team Leader
           FHWA, Indiana Division
           2 PDH/.2 CEU
           Stewart 310
           Time:  8 a.m. - 9:50 a.m.
           Date:  Wednesday, March 9
**INDOT Funding**

**Date:** Wednesday, March 9  
**Time:** 1 p.m. - 1:50 p.m.  
**Room:** Stewart 310

Speakers will discuss INDOT’s current financial projections and have an open discussion on funding and finance.

**Moderator/Speaker:** Gary Eaton  
Director, Project Accounting Budget & Procurement  
INDOT

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**FHWA/Reauthorization**

**Date:** Wednesday, March 9  
**Time:** 2 p.m. - 2:50 p.m.  
**Room:** Stewart 310

Speakers will discuss the status of the federal aid reauthorization bill, increasing FHWA financial audits, and have an open discussion on reauthorization.

**Moderator/Speaker:** Mark Newland  
Finance Manager/Team Leader  
FHWA, Indiana Division

Speaker: Robert Tally  
Division Administrator  
FHWA, Indiana Division
INDOT/LPA Funding

Date: Wednesday, March 9
Time: 3 p.m. - 3:50 p.m.
Room: Stewart 310

Speakers will discuss the current state of funding for local projects, project calls, the sharing agreement, and have a discussion on LPA funding.

Moderator: Dan Keefer
Local Programs Coordinator
FHWA, Indiana Division

Speaker: Audra Blasdel
Director of LPA/MPO and Grants Administrator
INDOT

Funding Roundtable

Date: Wednesday, March 9
Time: 4 p.m. - 4:50 p.m.
Room: Stewart 310

In an ongoing effort to learn from others, this roundtable will be directed at having cost saving ideas shared that have helped keep highway and street operations moving forward.

Moderator: John Habermann
Program Manager, Indiana LTAP
Purdue University

Speaker: Audra Blasdel
Director of LPA/MPO and Grants Administrator
Purdue University
32 Ethics and Law

Date: Tuesday, March 8
Time: 1 p.m. - 2:50 p.m.
Room: Loeb Theater

-AND-

Date: Wednesday, March 9
Time: 9 a.m. - 10:50 a.m.
Room: Loeb Theater

2 PDH/.2CEU

This two hour session will fulfill the professional development requirements of the Indiana Engineer License.

Moderator: Darcy Bullock
(Tues) Associate Professor/Director, JTRP Purdue University

Moderator: Jay Wasson
(Wed) Director, Research and Development INDOT

Speaker: Vincent Drnevich
Professor Emeritus Purdue University
Right-of-Way Issues

Date: Tuesday, March 8
Time: 3 p.m. - 4:50 p.m.
Room: Stewart 322
2 PDH/.2 CEU

Counties and cities who annex county roads are faced with the dilemma of trying to learn what the actual right-of-way of the road is. This session will discuss the different options available to local officials who need to maintain their roads but struggle with knowing their legal limits.

Moderator: Kenneth Woodward
ROW/Civil Rights Manager
FHWA, Indiana Division

Speaker: Jason P. Lueking
Partner
Bamberger, Foreman, Oswald & Hahn, LLP

MUTCD for Elected Officials

Date: Wednesday, March 9
Time: 1 p.m. - 2:50 p.m.
Room: Stewart 322
2 PDH/.2 CEU

The Manual on Uniform Traffic Control Devices (MUTCD) defines the proper use, placement, and maintenance on traffic signs, pavement markings, and traffic signals. This session will help educate an elected city, town, and county official on the importance of the tort liability aspect of this manual.

Moderator: David Boruff
Traffic Support Supervisor
INDOT

Speaker: Karen Stippich
ITS/Operations Engineer
FHWA, Indiana Division
NEXTRANS Center Updates

Date: Wednesday, March 9
Time: 3 p.m. - 4:50 p.m.
Room: Stewart 322

NEXTRANS is an interdisciplinary transportation center that seeks to foster a new generation of paradigms and a highly qualified workforce that can develop innovative and integrated solutions for mobility, safety, and infrastructure renewal with a special emphasis on intermodal freight transportation and logistics to address regional needs and economic opportunities. It is the U.S. Department of Transportation’s Region V Regional University Transportation Center (UTC). This session will feature recent regional findings on airports and signals.

Moderator/Speaker: Sushant Sharma
NEXTRANS Center Research Associate
Purdue University

Speakers:
Daniel DeLaurentis
Associate Professor
Purdue University

Jon Fricker
Professor
Purdue University

Yu-Ting Hsu
Graduate Research Assistant
Purdue University

Matt Volvoski
Graduate Research Assistant
Purdue University
MUTCD for Operation/Maintenance Staff

Date: Tuesday, March 8
Time: 1 p.m. - 2:50 p.m.
Room: Stewart 302
2 PDH/.2 CEU

The Manual on Uniform Traffic Control Devices (MUTCD) defines the proper use, placement, and maintenance on traffic signs, pavement markings, and traffic signals. This session will provide an overview of pertinent sections targeted for operations and maintenance staff.

Moderator: Mike Bowman
Traffic Support Director
INDOT

Speakers:
David Boruff
Traffic Support Supervisor
INDOT
Joseph Bruno
Traffic Support Engineer
INDOT
Todd Shields
Technical Services Manager
INDOT
Karen Stippich
ITS/Operations Engineer
FHWA, Indiana Division

Todd Shields
Traffic Support Engineer
INDOT
Joseph Bruno
Traffic Support Supervisor
INDOT
David Boruff
Traffic Support Director
INDOT
Mike Bowman
FHWA, Indiana Division
Karen Stippich
ITS/Operations Engineer
FHWA, Indiana Division
Mobility Measurements (Traffic Measurements)

Date: Tuesday, March 8
Time: 3 p.m. - 4:50 p.m.
Room: Stewart 302
2 PDH/.2CEU

Provide a review of initiatives which effect operations and learn how your daily business decisions can effect mobility.

Moderator/Speaker: Ryan Gallagher
Traffic Management Director
INDOT

Speakers:
Major T. Melville
Operations Support Division
ISP

Meggan Simpson
ITS Manager
INDOT

Jim Sturdevant
Traffic Control Systems Manager
INDOT
This session will discuss the Pavement Preservation Initiative (PPI) and the Bridge/Culvert Preservation Initiative (BCPI).

**Moderator:** Todd Shields  
Technical Services Manager  
INDOT

**Speakers:**  
Anwar Ahmed  
Bridge Preservation  
FHWA

David Hein  
Applied Research Associates
Learn about local projects and receive updates from district office staff.

Pick up a new district offices directory and other valuable information.

Discover what’s new from the Research & Development Division.

Visit with staff from the FHWA.

Visit with staff from the FHWA.

Visit with staff from the FHWA.

Visit with staff from the FHWA.

Visit with staff from the FHWA.
Highway Maintenance Part 2

Date: Tuesday, March 8
Time: 1 p.m. - 4:50 p.m.
Room: Stewart 302

4 PDH/.4 CEU

Learn a better way to manage invasive weeds and erosion control. Will also discuss current traffic signal technologies and how dynamic changes within this marketplace effect maintenance and operations.

Moderator: Todd Shields
Technical Services Manager
INDOT

Speakers:

Leighanne Hahn
Water Quality and Endangered Species Manager
Purdue University

Jamie Herold
Graduate Research Assistant
Purdue University

Ellen Jacquart
Director of Stewardship
Nature Conservancy

Matthew S. Kraushar
Habitat Specialist
Purdue Extension

Zachary E. Lowe
Adjunct Professor
Purdue University
Every Day Counts: Pushing for Innovation by Taking the Initiative

Date: Tuesday, March 8
Time: 11 a.m. - 11:50 a.m.
Room: Stewart 306

The FHWA Every Day Counts initiative is designed to identify and deploy innovation aimed at shortening project delivery, enhancing the safety of our roadways, and protecting the environment. This session will cover this important FHWA initiative in Indiana.

**Moderator/Speaker:** Robert Dirks
Design and Construction Team Leader
FHWA, Indiana Division

**Speaker:** Jim Stark
Deputy Commissioner
Capital Program Management
INDOT

communication and Leadership

Date: Tuesday, March 8
Time: 2 p.m. - 2:50 p.m.
Room: Stewart 306

Effective communication is all about the transfer of information and the accurate understanding of that information. This workshop will explore the reason why communication efforts fail and then discover techniques to help improve your communication personal communication skills.

**Moderator:** Anne Trobaugh
Corporate Relations Director
Indiana Association of Cities and Towns

**Speaker:** Dan Lybrook
Associate Professor
Purdue University
Presentations That Work

Date: Tuesday, March 8
Time: 3 p.m. - 3:50 p.m.
Room: Stewart 306

Beyond the razzle-dazzle of PowerPoint, 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? Revisit fundamentals and discover a few tips for dynamic presentations beyond PowerPoint!

Moderator: Jim Reid
Publisher
Indiana PublicWorks News

Speaker: Tom Turpin
Professor and Instruction Development Specialist
Purdue University

Purdue University
Development Specialist
Professor and Instruction Development Specialist
Tom Turpin
Indiana PublicWorks News

Moderator: Jim Reid
Publisher
Indiana PublicWorks News

Speaker: Tom Turpin
Professor and Instruction Development Specialist
Purdue University
Emerging Opportunities for Managing Production, Indexing, and Archiving of Electronic Documents

Date: Tuesday, March 8
Time: 4 p.m. - 4:50 p.m.
Room: Stewart 306

This session discusses emerging trends for managing, indexing, and archiving electronic documents. This material will be covered in a case-study format describing the digitization of the Joint Transportation Research Program reports dating to 1937 as well as introduce the new digital production tools for managing new projects.

Moderator/ Speaker: Charles Watkinson
Director
Purdue University Press

Speakers:
Paul Bracke
Associate Dean for Digital Programs and Information Access
Purdue Libraries

Mark Newton
Digital Collections Librarian
Purdue Libraries
Effectively Communicating with the Media

Date: Wednesday, March 9
Time: 10 a.m. - 10:50 a.m.
Room: Stewart 306

Knowing how to deliver your message in an interview, whether in front of a camera or over the phone, is crucial in telling your story. Understand how to improve your media skills and gain the tools to develop a winning strategy to be media-ready.

Moderator: Shelley Haney
Program Director, Office of Communications
INDOT

Speaker: Roger Harvey
BOSE Public Affairs Group

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
Robert Wunderlich, ITE's International President, will speak on the topic of the 'Flexible Engineer: Design Standards versus Design Principles'. The Indiana ITE Section will build this session around this concept of design alternatives, design exceptions, and design principles.

Moderator: Sandra Jones
Project Manager
The Schneider Corporation

Speakers:
- Alex Hainen
  Graduate Student
  Purdue University

- Ian Lockwood
  Senior Transportation Engineer
  AECOM

- Tim Miller
  Environmental Engineer
  HNTB

- John Pangallo
  Project Manager
  INDOT

- Steve Remias
  Graduate Student
  Purdue University

- Jason Rhoades
  HNTB

Robert Wunderlich
International President
Institute of Transportation Engineers
More transportation options, lower transportation costs, improved access to affordable housing, and protection of the environment are key principles of the FHWA Livability Initiative and the HUD/DOT/EPA partnership for Sustainable Communities. This session will cover programs and policies such as Safe Routes to School, Complete Streets, and pedestrian and bicycle access and safety.

**Moderators:** Joyce Newland
Planning/Environmental Specialist
FHWA, Indiana Division

Kim Irwin
Executive Director
Healthy by Design

**Speakers:**
Dean Lawrence Munn
Technical Vice President, Systems Planning Division
Corradino LLC

Jennifer Pyrz
Supervising Engineer
Parsons Brinkerhoff

Adam D. Thies
President
EDEN Collaborative
Metropolitan Planning Organizations (MPO) Session

Date: Wednesday, March 9
Time: 8 a.m. - 10:50 a.m.
Room: Stewart 204

3 PDH/.3 CEU

Presentations by MPO staff of recent work efforts and current issues facing MPOs and urban LPAs.

Moderators:
- Dan Avery
  Executive Director
  Northeastern Indiana Regional Coordinating Council (NIRCC)

- Sandra M. Seanor
  Executive Director
  Michiana Area Council of Governments (MACOG)

Speakers:
- Zach Dripps
  Planner
  Michiana Area Council of Governments (MACOG)

- Allen Henderson
  Chief Planner
  Madison County Council of Governments (MCCOG)

- Brian O. Martin
  AICP
  Burgess and Niple

- Jessica Mitchell
  Planner
  Michiana Area Council of Governments (MACOG)

- Erin Turinetti
  Planner
  Michiana Area Council of Governments (MACOG)

- James Turnwald
  Planner
  Michiana Area Council of Governments (MACOG)
Collecting and Processing Traffic Data

**Date:** Wednesday, March 9

**Time:** 1 p.m. - 1:50 p.m.

**Room:** Stewart 204

1 PDH/1 CEU

This session will share best practices for the collecting and processing of traffic data, including new technology, techniques, tools and coordination.

**Moderator:** Roy Nunnally  
Director, Long Range Planning and Modeling  
INDOT

**Speakers:**  
J.P. Hopman  
Transportation Planner  
Michiana Area Council of Governments (MACOG)

Greg Katter  
Transportation Planning Engineer  
INDOT

Kirk Mangold  
Traffic Modeling Supervisor  
INDOT
This session will share the current federal requirements and INDOT’s process for reporting data into the national level highway information system which collects data pertaining to system extent, condition, performance, use, and operating characteristics.

**Moderator:** Roy Nunnally  
Director, Long Range Planning and Modeling  
INDOT

**Speakers:**  
Eric Conklin  
Manager, Inventory and Tracking  
INDOT

Kirk Mangold  
Traffic Modeling Supervisor  
INDOT
50  INDOT’s New Long Range Plan/Capital Program Management Roadmap

Date: Wednesday, March 9
Time: 3 p.m. - 3:50 p.m.
Room: Stewart 204
1 PDH/.1 CEU

This session will share INDOT’s new Long Range Plan Approach and the new Capital Program “New Call For Projects” process.

Moderator/ Speaker
Roy Nunnally
Director Long Range Planning and Modeling

Speakers:
Gary Mroczka
Capital Program Management Director
INDOT
Brad Steckler
Asset Manager Director
INDOT

51  I-70 Dedicated Truck Lanes Project Update

Date: Wednesday, March 9
Time: 4 p.m. - 4:50 p.m.
Room: Stewart 204

This session will provide an update on the multi-state visionary project to develop dedicated truck lanes along I-70 from Missouri to Ohio.

Moderator:
Roy Nunnally
Director, Long Range Planning and Modeling
INDOT

Speaker:
Keith Bucklew
Freight Manager
INDOT
Spotting Incompatibilities in Concrete Mixtures

Date: Tuesday, March 8
Time: 11 a.m. - 11:50 a.m.
Room: Stewart 202
1 PDH/.1 CEU

This presentation will review the potential incompatibility problems in fresh concrete which may arise due to specific combinations of cements, fly ashes and admixtures used in the mixture. These incompatibility problems can manifest themselves in various forms, including rapid slump loss, abnormal setting or difficulties in maintaining a steady air content. In addition, this presentation will introduce several test methods which can be used to help to identify potential incompatibility problems.

Moderator: Tom Grisinger
Technical Services Manager
Lehigh Cement Company

Speakers:
Jan Olek
Professor
Purdue University

Chaitanya Paleti
Graduate Student
Purdue University
Speakers will provide technical guidance on the application of roadway safety edges and the application of asphalt at lower temperatures. The Safety Edge is a simple but extremely effective solution that can save lives by allowing drivers who stray off highways to return to the road safely. The application of warm mix asphalt in most cases results in significant cost savings and reduced greenhouse gas emissions. WMA also has the potential to extend the construction season.

Moderator: Tom Duncan
Pavement/Materials Engineer
FHWA, Indiana Division

Speakers:
- Dave Andrewski
  Pavement Engineer
  INDOT
- Alvin Evans
  Chief Operations Officer
  J.H. Rudolph & Co.
The speakers in this session will discuss methods to build a successful chip seal road. From start to finish this session will cover the best practices involving the distributor and tack coat, selecting and identifying the aggregates most commonly used in construction of a chip seal surface and the importance of the base material and its ability to hold a chip seal application. Also covered in this session will be the new chip seal aggregate sizes that INDOT is using for their roads and how this might relate to county roads and the staging and procedures for achieving proper compaction.

**Moderator:** Robert Jones  
Executive Director  
Indiana Mineral Aggregate Association

**Speakers:**  
Andy Gauck  
Harrison Sand & Gravel Company  
Quirin Gauck  
Harrison Sand & Gravel Company  
Brian Horner  
Region Manager  
E.D. Etnyre & Co.
Low Cost Pavement Preservation with Ultra Thin Asphalt Surface 4.75mm

Date: Wednesday, March 9
Time: 8 a.m. - 8:50 a.m.
Room: Stewart 202

1 PDH/.1 CEU

This session will highlight the Indiana asphalt industry and discuss the design and specifications of asphalt pavements. Featured in this session will be the use of a 4.75mm ultra thin asphalt surface as a low cost pavement preservation treatment.

Moderator: William Knopf
Executive Director
Asphalt Pavement Association of Indiana

Speaker: Charlie Holland
Technical Director
Asphalt Pavement Association of Indiana

Extending Performance with Proper Application of Tack and Compaction

Date: Wednesday, March 9
Time: 9 a.m. - 9:50 a.m.
Room: Stewart 202

1 PDH/.1 CEU

This session will highlight the Indiana asphalt industry and discuss the design and specifications of asphalt pavements. Although considered by many specifications as incidental items, the proper application of a tack coat and compaction are critical to pavement performance.

Moderator: William Knopf
Executive Director
Asphalt Pavement Association of Indiana

Speaker: Lynn Shireman
Vice President of Operations
Milestone Contractors, L.P.
Economics 101 - Minimizing Project Costs Without Sacrificing Quality

Date: Wednesday, March 9
Time: 10 a.m. - 10:50 a.m.
Room: Stewart 202
1 PDH/.1 CEU

This session discusses the design and specifications of asphalt pavements. Featured in this session will be the selection of proper pavement thickness for new pavements and overlays; selection of proper HMA mixtures for constructing the pavements and other techniques to reduce the costs of your pavements without sacrificing the quality you desire.

Moderator: William Knopf
Executive Director
Asphalt Pavement Association of Indiana

Speaker: Dudley Bonte
Regional QC Director, Indiana
Rieth-Riley Construction Co., Inc.

LTAP Research Project: Roller Compacted Concrete Pavement Manual for Local Governments

Date: Wednesday, March 9
Time: 1 p.m. - 1:50 p.m.
Room: Stewart 202
1 PDH/.1 CEU

This session will detail the results of a recent Indiana LTAP research project to create a RCC user manual for local agencies based on Indiana materials and processes. Speakers will also provide practical guidelines in planning, design and construction.

Moderator: Jerry Larson
Executive Director
Indiana Ready Mixed Concrete Association

Speaker: Neal Carboneau
Research Manager, Indiana LTAP
Purdue University
Full Depth Reclamation with Cement

Date: Wednesday, March 9
Time: 2 p.m. - 2:50 p.m.
Room: Stewart 202
1 PDH/.1 CEU

The topics to be discussed in this session will focus on full depth reclamation with Portland cement. Full depth reclamation with cement is a mixture of the in-place asphalt pavement, existing base, cement and water. The mixture is then compacted and surfaced. With a strong base, the option of a cost-saving chip seal becomes a reality.

Moderator: Jerry Larson
Executive Director
Indiana Ready Mixed Concrete Association

Speaker: Jim Render
Director of Sales
Essroc Cement

Concrete Pavement Design Basics and Details to Assure Proper Performance

Date: Wednesday, March 9
Time: 3 p.m. - 3:50 p.m.
Room: Stewart 202
1 PDH/.1 CEU

The topic to be discussed in this session will focus on basic pavement design practices & guidelines to assure expected performance for New/Reconstructed Concrete Pavements.

Moderator: Mike Byers
Executive Director, Indiana Chapter American Concrete Pavement Association

Speaker: Jim Render
Director of Sales
Essroc Cement
New Technologies: Repair of Concrete Pavements

Date: Wednesday, March 9
Time: 4 p.m. - 4:50 p.m.
Room: Stewart 202
1 PDH/.1 CEU

This session will present new technologies in equipment, materials, and processes for partial and full depth repair of concrete pavements.

Moderator/ Speaker: Mike Byers
Executive Director, Indiana Chapter American Concrete Pavement Association

HSIP Process and Funding

Date: Tuesday, March 8
Time: 11 a.m. - 11:50 a.m.
Room: Stewart 320
1 PDH/.1 CEU

Obtain information on how to procure federal funding through the Highway Safety Improvement Program. This session will also provide information about the Hazard Elimination Project for Existing Roads and Streets, a program that exists to help local agencies outside of an MPO address traffic safety needs from location identification to acquiring funding.

Moderator: Jodi Coblentz
DLZ Indiana LLC

Speakers:
Mike Holowaty
Manager, Office of Traffic Safety
INDOT

Laura Slusher
HELPERS Project Manager
Indiana LTAP, Purdue University
This session will provide an overview of Indiana’s new 2010 Strategic Highway Safety Plan.

**Moderator:** Craig Luebke  
Transportation Planner  
Evansville Metropolitan Planning Organization

**Speaker:** Roger Manning  
Strategic Highway Safety Plan Manager  
INDOT

**New INDOT Traffic Safety Initiatives**

**Date:** Tuesday, March 8  
**Time:** 4 p.m. - 4:50 p.m.  
**Room:** Stewart 320  
1 PDH/.1 CEU

INDOT has put forth an initiative to address hazardous intersections by systematically applying a low cost, standard “package” improvement. This session will also discuss Point & Click – a new method Indiana will use to reduce errors in crash reporting.

**Moderator:** Chad Salzbrenner  
Senior Project Engineer  
GAI Consultants, Inc.

**Speakers:**  
- John Nagle  
Transportation Planner  
Evansville Metropolitan Planning Organization  
- Craig Roth  
Open Portal Solutions  
- Kevin Sifferlen  
Open Portal Solutions
65 Updates to the Work Zone Traffic Control Handbook

Date: Wednesday, March 9
Time: 8 a.m. - 8:50 a.m.
Room: Stewart 322
1 PDH/.1 CEU

This session will cover in detail the updates to chapter 6 of the MUTCD Temporary Traffic Control. The attendees will also preview the new handbook used by field personnel on how to properly set-up a temporary traffic control zone.

Moderator: Brian Pohlar
Project Engineer
Hannum, Wagle & Cline Engineering

Speaker: Pat McCarty
Supervisor, Work Zone Safety
INDOT

66 Highway Safety Manual Overview

Date: Wednesday, March 9
Time: 9 a.m. - 10:50 a.m.
Room: Stewart 322
2 PDH/.2 CEU

An overview of the new Highway Safety Manual, which provides analytical tools and techniques to predict the safety performance of roadway elements.

Moderator: Rick Drumm
Safety Engineer
FHWA, Indiana Division

Speaker: Dave Engstrom
Safety Engineer
FHWA
Indiana Traffic Records Data Improvement

Date: Wednesday, March 9
Time: 1 p.m. - 1:50 p.m.
Room: Stewart 322
1 PDH/.1 CEU

This session will present a discussion on how Indiana is improving the reporting and accuracy of its crash data.

Moderator: Mike Holowaty
Manager, Office of Traffic Safety
INDOT

Speakers: Nils King
Traffic Records Coordinator
Indiana Criminal Justice Institute

Ryan Klitzsch
Traffic Safety Division Director
Indiana Criminal Justice Institute

Addressing Roadway Departure Crashes

Date: Wednesday, March 9
Time: 2 p.m. - 2:50 p.m.
Room: Stewart 322
1 PDH/.1 CEU

Crashes where the vehicle leaves the roadway are a large percentage of Indiana’s fatal and severe crashes. We will discuss countermeasures to reduce these crashes.

Moderator: Joe Copeland
County Engineer
Hancock County

Speaker: Dave Engstrom
Safety Engineer
FHWA
Road Safety Audit Fundamentals

Date: Wednesday, March 9
Time: 3 p.m. - 3:50 p.m.
Room: Stewart 322
1 PDH/.1 CEU

From the design phase to existing roadways, Road Safety Audits are a vital tool in increasing the safety of our roadways. Learn why these formal assessments are the key to unlocking funding opportunities.

Moderator: Laurie Johnson
Vice President
DLZ Indiana, LLC

Speaker: Rick Drumm
Safety Engineer
FHWA, Indiana Division

RSIT2 - A Tool for Road Safety Audits

Date: Wednesday, March 9
Time: 4 p.m. - 4:50 p.m.
Room: Stewart 322
1 PDH/.1 CEU

Learn about this new tool developed to aide you in performing Road Safety Audits.

Moderator: Laurie Johnson
Vice President
DLZ Indiana, LLC

Speaker: Andrew Tarko
Director, Center for Road Safety
Professor
Purdue University
Why Streets Trees are Important in Hoosier Cities and Towns

**Date:** Tuesday, March 8

**Time:** 11 a.m. - 11:50 a.m.

**Room:** Stewart 206

1 PDH/.1 CEU

The Community and Urban Forestry Program assists city and town landowners through technical assistance, training, and monetary grants for management planning, street tree inventories, tree planting and other urban forestry projects. This session will highlight and give examples of well cared for trees in the city and town environment and the benefits gained from a good treescape program.

**Moderator:** Beverly Shaw  
Greenspace Administrator  
City of West Lafayette

**Speaker:** Pam Louks  
Urban Forestry Specialist and ISA Certified Arborist  
Indiana DNR, Division of Forestry
Impacts of Alternate Energy Facilities on Local Roads

Date: Tuesday, March 8
Time: 2 p.m. - 2:50 p.m.
Room: Stewart 206
1 PDH/.1 CEU

This session will detail the results of a recent Indiana LTAP research project to document and quantify the impacts that alternate energy sources have on local road infrastructure. The outcome will be a report that can be used when making decisions on low volume road design and the increased costs of road maintenance due to the siting of sustainable energy sources within their jurisdiction.

Moderator: Opal Kuhl
Executive Highway Director
Tippecanoe County

Speakers:
Jon Fricker
Professor
Purdue University

John Haddock
Associate Professor
Director, Indiana LTAP
Purdue University
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Date</th>
<th>Time</th>
<th>Room</th>
<th>CEUs</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>73</strong></td>
<td>Sidewalk Reconstruction: How to Handle Tree Roots and Curb Ramps</td>
<td>Tuesday, March 8</td>
<td>3 p.m. - 4:50 p.m.</td>
<td>Stewart 206</td>
<td>2 PDH/.2 CEU</td>
<td>With some simple care techniques, sidewalks can be reconstructed in a manner to preserve the beauty of the grown trees adjacent to them. This session will discuss those techniques. Along with tree management, how to update your curb ramps according to ADA design standards will be presented.</td>
</tr>
<tr>
<td><strong>74</strong></td>
<td>Green Infrastructure for Sustainable Stormwater Management</td>
<td>Wednesday, March 9</td>
<td>8 a.m. - 8:50 a.m.</td>
<td>Stewart 206</td>
<td>1 PDH/.1 CEU</td>
<td>This session will explore all the different ways, with case studies, on how to manage stormwater with green infrastructure that mimics the natural processes of the original environment.</td>
</tr>
</tbody>
</table>
Culvert Slip Lining

Date: Wednesday, March 9
Time: 9 a.m. - 9:50 a.m.
Room: Stewart 206
1 PDH/.1 CEU

Culvert slip lining is a way to repair culverts and pipes that have been damaged or cracked. A case study will be presented followed by a discussion on its applications will be held.

Moderator: Sam Martin
CPI Supply

Speakers:
Scott Brown
CPI Supply

Darin Duncan
Engineer
CPI Supply

Rik Ritzler
Project Manager
INDOT, LaPorte District
Pedestrians and Intersections

Date: Wednesday, March 9
Time: 10 a.m. - 10:50 a.m.
Room: Stewart 206
1 PDH/.1 CEU

This session will discuss two potential traffic control warrants for intersections based on pedestrians traffic. The presentation also will include a discussion of new pedestrian crossing technologies such as the Rectangular Rapid Flashing Beacon and/or Passively Activated Pedestrian Crossing Flashing Beacons.

Moderator: Meg Storrow
Landscape Architect
Storrow Kinsella Associates

Speakers:
Andrew Gast-Bray
Planner
Storrow Kinsella Associates

Michael Koslow
Engineer
Storrow Kinsella Associates

Andy Lutz
Engineer
Indiana Department of Public Works
Complete Streets

Date: Wednesday, March 9
Time: 1 p.m. - 2:50 p.m.
Room: Stewart 206
2 PDH/.2 CEU

Complete streets are designed and operated to enable safe access for all users. Pedestrians, bicyclists, motorists and transit riders of all ages and abilities must be able to safely move along and across a complete street. Come hear how the Complete Streets concept is working in Indiana.

Moderator: Larry Heil
Air Quality/Environmental Specialist
FHWA, Indiana Division

Speakers:
Mitch Barloga
Non-Motorized Transportation and Greenways Planner
Northwestern Indiana Regional Planning Commission (NIRPC)

Raymond Hess
Senior Transportation Planner
City of Bloomington

Anna Tyszkiewicz
Principal Planner
Indianapolis Metropolitan Planning Organization

Irene Wegner
Associate State Director, Community Outreach
AARP Indiana

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Associate State Director, Community Outreach
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78  Billboards

Date: Wednesday, March 9
Time: 3 p.m. - 3:50 p.m.
Room: Stewart 206
1 PDH/.1 CEU

Here you will learn how the Highway Beautification Act can and will affect your local decisions regarding billboards and other forms of outdoor advertising along Indiana streets and highways.

Moderator: Kenneth Woodruff
ROW/Civil Rights Manager
FHWA, Indiana Division

Speakers: Bob Demuth
Permit Section Manager
INDOT
Colleen Smith
ROW/Civil Rights Specialist
FHWA, Indiana Division

78a  SHRP 2 Naturalistic Driving Study

Date: Wednesday, March 9
Time: 4 p.m. - 4:50 p.m.
Room: Stewart 206
1 PDH/.1 CEU

A naturalistic driving study investigates ordinary driving under real-world conditions in order to make the experience safer. In the SHRP 2 study, 3000 volunteer drivers will agree to have their cars fitted with cameras, radar, and other sensors to capture data as they go about their usual driving tasks.

Moderator: Tommy Nantung
Section Manager, Division of Research and Development
INDOT

Speakers: Charles R. Fay
Senior Program Officer, SHRP 2
Transportation Research Board
Transportation Asset Management for Counties, Cities, and Towns

Date: Tuesday, March 8
Time: 2 p.m. - 2:50 p.m.
Room: Stewart 314

1 PDH/.1 CEU

This session will cover the principles of a local agency transportation asset management program and how it can assist Indiana counties, cities, and towns no matter how large or small make informed decisions that can improve the overall operational efficiency of their operation.

Moderator: Bill Williams
Highway Director/Engineer
Monroe County

Speaker: Kathryn A. Zimmerman
President
Applied Pavement Technology, Inc.

The LPA Update

Date: Tuesday, March 8
Time: 3 p.m. - 4:50 p.m.
Room: Stewart 314

2 PDH/.2 CEU

Speakers will provide an update on initiatives taking place within INDOT’s LPA improvement process. Discussions will include updates to the Guidance Document, local force account work and other pressing issues. This session will also include an open forum discussion on everything LPA.

Moderator: Dan Keefer
Local Programs Coordinator
FHWA, Indiana Division

Speaker: Audra Blasdel
Director for LPA/MPO and Grants Administrator
INDOT
Road Scholar Core Course #6 - Basics of a Good Road

Date: Wednesday, March 9
Time: 8 a.m. - 10:50 a.m.
Room: Stewart 314

This session will cover the essential aspects to a well designed, constructed and maintained local road network in Indiana. Speakers will also discuss the various types of pavement surface treatments most common in Indiana.

Moderator: Larry Lee
Street Commissioner
City of Lebanon

Speakers:
John Haddock
Associate Professor
Director, Indiana LTAP
Purdue University

Nicole Hipp
Project Manager
USI Consultants

John Hood
Product Manager
Bomag Americas, Inc.

Jerry Larson
Executive Director
Indiana Ready Mixed Concrete Association

This session will cover the essential aspects to a well designed, constructed and maintained local road network.
Roundabout Design for Large Trucks

Date: Wednesday, March 9
Time: 1 p.m. - 1:50 p.m.
Room: Stewart 314

1 PDH/.1 CEU

As roundabout use expands in Indiana, it is important to learn the different applications of this design solutions and the different challenges a roundabout encounters on different types of roads. This session will address the topic of properly designing a roundabout with large trucks in mind with specific examples cited.

Moderator: Michael McBride
City Engineer
City of Carmel

Speaker: Wes Butch
Project Manager
DLZ Indiana, LLC

Roundabout Design for Large Trucks
RebuildIndy Initiative

Date: Wednesday, March 9
Time: 2 p.m. - 2:50 p.m.
Room: Stewart 314
1 PDH/.1 CEU

RebuildIndy is Mayor Ballard’s initiative to restore deteriorating thoroughfares, residential streets, sidewalks, and bridges, as well as address neighborhood drainage and flooding issues and demolish unsalvageable abandoned homes that pose a public safety threat to neighborhoods. Learn how these projects will create local jobs, enhance visitor experience, and ultimately increase economic development and public safety for downtown Indianapolis.

Moderator: Craig Parks
Deputy Program Manager
American Structurepoint

Speakers: Larry Jones
Deputy Director of Transportation
Indianapolis Department of Public Works

Greg Henneke
Executive Vice President
American Structurepoint

RebuildIndy Initiative

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Moderator: Craig Parks
Deputy Program Manager
American Structurepoint

Speakers: Larry Jones
Deputy Director of Transportation
Indianapolis Department of Public Works

Greg Henneke
Executive Vice President
American Structurepoint
Winter Maintenance and Salt Brine

Date: Wednesday, March 9
Time: 3 p.m. - 3:50 p.m.
Room: Stewart 314

1 PDH/.1 CEU

This session will cover the different aspects to implementing the use of salt brine to an agency's winter maintenance toolbox. The presenter will also discuss the many lessons learned over the years in the manufacture, timing, and application of salt brine on the roadway surface.

Moderator: Raymie Eckerle
Street Commissioner
City of Jasper

Speaker: Mark Cornwell
President
Sustainable Salting Solutions, LLC
This session will provide an update on the hyper-accelerated delivery of the new I-69 between I-64 and Bloomington.

**Moderator:** Cher Goodwin
Media Relations Director
INDOT, Vincennes District

**Speakers:**
- Tom Cervone
  Director of Environmental Services
  Bernadin, Lochmueller & Associates
- Jason DuPont
  Bernadin, Lochmueller & Associates
- Ed Leonard
  Vice President and Design Manager
  Parsons Brinkerhoff
- David Pluckebaum
  Deputy Project Manager and Vice President
  The Corradino Group
- Dawn Replogle
  Vice President and Office Manager
  URS Corporation
- Sam Sarvis
  Deputy Commissioner, Major Program Management
  INDOT
- Shelby Swango
  Parsons Brinkerhoff
This session will provide an progress update on some of Indiana’s largest Major Moves projects, including US 31 Freeway projects between Indianapolis and South Bend as well as the SR 25, Hoosier Heartland Corridor between Lafayette and Logansport.

**Moderator:** Greg Kicinski  
Project Management Director  
INDOT

**Speakers:**  
Jim Earl  
Project Manager  
INDOT  
Gary Pence  
Project Manager  
INDOT  
Trevor Mills  
Project Manager  
INDOT  
Tim Muench  
Project Manager  
INDOT
Performance Measures for Signalized Intersections

Date: Thursday, March 10
Time: 8:30 a.m. - 10 a.m.
Room: Stewart 322

1 PDH/.1 CEU

A presentation will provide an introduction to performance measures for signalized intersections and discuss two agencies in Indiana in the process of implementing these measures. It will include a discussion of the benefits, equipment necessary, software, and funding sources.

Moderator: Neal Carboneau
Research Manager, Indiana LTAP
Purdue University

Speakers:
Jay Grossman
Project Engineer
Purdue University

Tom Vandenberg
Consulting Traffic Engineer
Butler, Fairman & Seufert
LPA Certification Training

Date: Thursday, March 10
Time: 10 a.m. - 5:30 p.m.
Room: Stewart 214
6 PDH/.6 CEU

The new LPA Guidance Document adopted in February 2009 requires that a LPA designate an employee responsible in charge of a project to attend “LPA Project Development Training” prior to the LPA receiving approval for federal funding and thereafter obtain recertification a minimum of every two years while the LPA has an active project.

Moderator: Dan Keefer
LPA and Asset Management Coordinator
FHWA, Indiana Division
98th Annual Road School
Call for Abstracts/Suggestion Form

We are now accepting suggestions for the 2012 Road School. Please submit your ideas via:
- E-mail to roadsch@purdue.edu
- Fax to (765) 496-1176
- Complete this form and leave in our suggestion box at the Registration Desk.

Suggestions will be accepted through August 31, 2011.

Please provide the following contact information:

Name
Organization
E-mail
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Suggestions: (please fill in any or all of the following)

Opening Session Speaker:
Luncheon Speaker:
Session topic:
Abstract:
Target Audience:
Possible Speakers:

I would be willing to coordinate this session: Yes/No
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11 a.m. - 2 p.m.
Tuesday, March 8, 2011

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Jane Cox
Marketing Representative
Terry Asphalt Materials, Inc.
Cell: 317-292-4190
Fax: 812-291-1888
126 North Lakewood Drive * Vincennes, IN * 47591
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Vice President  
Traffic Signal Company  
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