## Welcome

- Nearly 200 Attendees
  - Central Office
    - Design
    - Asset Management
    - Research
    - Environmental
  - District
    - Capital Program
    - Technical Services
    - Construction
  - Federal Highway
  - LPA Representatives
  - Design Consultants
  - Contractors

## Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15am—9:00am</td>
<td>General (S. Wagner, J. Hunter)</td>
</tr>
<tr>
<td>9:00am—9:45am</td>
<td>Policy (E. Phillips)</td>
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<tr>
<td>9:45am—10:15am</td>
<td>Break</td>
</tr>
<tr>
<td>10:15am—11:00am</td>
<td>INDOT Plan Review (M. McCool, E. Spahr)</td>
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<tr>
<td>11:00am—11:45am</td>
<td>Workzone MOT (INDOT Work Zone Safety Team)</td>
</tr>
<tr>
<td>11:45am—1:00pm</td>
<td>Lunch (Lunch is on your own)</td>
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<tr>
<td>1:00pm—2:00pm</td>
<td>Strut-Tie Modeling (C. Williams)</td>
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<tr>
<td>2:00pm—2:30pm</td>
<td>Design Aid Updates (P. White)</td>
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<tr>
<td>2:30pm—3:00pm</td>
<td>Break</td>
</tr>
<tr>
<td>3:00pm—3:30pm</td>
<td>Madison 502 Tub Girders (T. Wolf)</td>
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<tr>
<td>3:30pm—4:15pm</td>
<td>INDOT ABC Example Projects (S. Schickel)</td>
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</table>
A Little Housekeeping

- Restrooms
- Snack Shop
- Lunch on your own
  - Cafeteria Downstairs
  - Restaurants in Walking Distance
- PDH’s Available
  - Sign Any Sheet!
- Presentations on web
  (coming soon)

Thank you

- INDOT Bridge Design Division
- Load Rating Engineers for the LPA’s
- Coordination with our CO team
- All of our partners throughout the state
- Today’s Presenters
Total Construction Cost by Fiscal Year (Bridge Work Types)

These numbers do not include Alternative Delivery projects such as Design Build Contracts or projects funded through the bridge preventative maintenance fund.

Bridge Work Types by Fiscal Year

These numbers do not include Alternative Delivery projects such as Design Build Contracts or projects funded through the bridge preventative maintenance fund.
We’re all in this together!

• Finding efficiencies in process
• Moving to a risk based review
• Responsibility of EOR
  • Technical Expertise
  • Documentation
  • Quality Control
• MOT is not an afterthought
• Stage 3 is 100% Plans

Year in Review

• Shifting Roles in Bridge Design
• Pedestrian Bridges... are bridges too
• Bridge Aesthetic Policy - It’s never too soon to start coordination!
• LMC-VE
• Single Row of Piles
• Hosting steel design courses in 2020
• Unit Cost by Sq. Ft. (based on 3-Part Estimator)
<table>
<thead>
<tr>
<th>BRIDGE TREATMENT</th>
<th>UNIT COST ($/SFT) [3-Part Estimator]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(EA)</td>
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<tr>
<td></td>
<td>(SFT)</td>
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<tr>
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<td>(WxL)</td>
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<tr>
<td>BRIDGE PAINTING (INTER)</td>
<td>$50.00</td>
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<tr>
<td>BRIDGE PAINTING (NON)</td>
<td>$36.00</td>
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<tr>
<td>THIN DECK OVERLAY (INTER)</td>
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<tr>
<td>THIN DECK OVERLAY (NON)</td>
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<td>DECK OVERLAY (RIGID) (INTER)</td>
<td>$397.00</td>
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<tr>
<td>DECK OVERLAY (RIGID) (NON)</td>
<td>$258.00</td>
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Send Thank You notes to: Erich Hart, Bridge Asset Engineer, INDOT

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<td>(WxL)</td>
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<tr>
<td>DECK REPLACEMENT (INTER)</td>
<td>$608.00</td>
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<tr>
<td>DECK REPLACEMENT (NON)</td>
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<td>SUPER REPLACEMENT (NON)</td>
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<tr>
<td>BRIDGE REPLACEMENT (INTER)</td>
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<tr>
<td>BRIDGE REPLACEMENT (NON)</td>
<td>$728.00</td>
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</tbody>
</table>

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INDOT/ASCE Structures Committee

• Responsible for
  • Research/Implement New Technology
  • Propose/Review Policy Changes
  • Develop this conference
  • Assist in IDM Maintenance

• Consultant Requirements
  • Licensed PE
  • ASCE Member
  • 10 Years Exp.
  • Active Designer
  • 1 Rep per Firm

• Members
  • INDOT
    • Bridge Design
    • Standards
    • Asset Management
    • Materials
    • Construction
  • Design Consultants (8)
  • FHWA (1)
  • Representatives (1 each)
    • Construction Industry
    • Prestressed Concrete Fabrication

WE WANT YOU!

Google INDOT Structures Committee for info

INDOT Bridge Design Conference
INDOT Update
January 21, 2020
Jeremy Hunter
INDOT Chief Engineer
Managing Director of Engineering
Welcome

Meet someone you do not know

INDOT Engineering Department

Chief Engineer, Managing Director of Engineering
Jeremy Hunter

Assistant Chief Engineer, Director of Standards & Policy
Elizabeth Phillips

Director, Bridge Design
Stephanie Wagner

Director, Highway Design
Vacant

Director, Geotechnical Services
Athar Khan

Director, Hydraulics Engineering
Mark Bailey

Pavement Design Manager
Kumar Dave
Industry Survey

Good afternoon,

On behalf of the Engineering Department, I invite you to complete our 2020 year in review Engineering Customer Service Survey. Your opinion matters to us, as we strive to continuously improve and provide you with the best service possible.

INDOT Engineering Customer Service Survey. This survey should take 5 – 10 minutes and will help us identify how we can improve our service.

Please forward this email on to anyone within your group that has worked with one or more of our design divisions (Roadway, Hydraulics, Pavement, Geotechnical Services, and Standards & Policy).

Thank you,
Elisabeth Phillips
Senior Aide & Policy Advisor
Engineering Department

Project Timeliness

Project milestone guidelines

- Stage 1 Review:
  - Project Design Criteria
  - Design Exceptions

- Stage 2 Review:
  - Right of Way limits
  - Traffic Maintenance Plan
  - Initial IHCP Exception reviewed
  - (if required for project)
Project Timeliness

Project milestone guidelines

- Stage 3: What should be complete?
  - All design and plans
  - All design and policy exceptions complete, with all proposed mitigation measures incorporated into the plans
  - All project specifications
  - Permits

EVERYTHING

Policy Exceptions

What should I do if I believe that an Indiana Design Manual Policy, or AASHTO Code requirement is not appropriate for my project?

Coordinate with the appropriate Engineering Department subject matter office
Indiana Transportation Team [http://www.indianatransportationteam.org](http://www.indianatransportationteam.org)

We, the members of the American Council of Engineering Companies of Indiana, Indiana Constructors Inc. and the Indiana Department of Transportation, through cooperation and collaboration, open and honest communication and trust, promise to strive for the safest, highest quality and best maintained transportation network in the country on behalf of all Hoosiers. In doing so, we promise to approach each and every problem as a teammate of the Indiana Transportation Team to foster and maintain a spirit of cooperation to serve Hoosiers and the traveling public.

We will continue to earn trust in each other while maintaining our membership on the Indiana Transportation Team by adhering to the following principles:

- Remembering our compensation always comes from the taxpayer.
- Endeavoring to make the most appropriate decisions while considering safety, constructability and general public welfare first and foremost.
- Believing that each problem has three teammates working towards a solution.
- Striving to make decisions at the lowest levels possible.
- Respecting the chain of command and elevating all disputes together in a transparent manner.
- Keeping in mind that INDOT, the State of Indiana and all Hoosiers are our customers.
- Enjoying professional relationships and having fun.