



SHRP2 Railroad-DOT Mitigation Strategies (R16)

Community of Interest Meeting

Fort Worth, TX
March 27-28, 2018



U.S. Department of Transportation
Federal Highway Administration

AMERICAN ASSOCIATION
OF STATE HIGHWAY AND
TRANSPORTATION OFFICIALS

AASHIO

Welcome



- Welcome to the **SHRP2 Railroad-DOT Mitigation Strategies COI Annual Meeting**
- **Hosted by:**
 - **Jessica Rich, FHWA**
 - **Pam Hutton and Kate Kurgan, AASHTO**
 - **Frank Frey, FRA**
 - **French Thompson, BNSF**
- **Participants:**
 - **12 State DOTs**
 - **6 Class I Railroads, G&W and ASLRRRA**
 - **FRA, FHWA, AASHTO, Jacobs/CH2M**

Welcome



- A few housekeeping details:
 - Safety Moment
 - Restroom locations
- Meeting logistics:
 - Break and Lunch plans
 - Afternoon Tour
 - Please mute your phones
 - Feel free to get up and return as needed but please do so quietly
 - Meeting audio and video will be live streamed ³

Meeting Overview and What's Happened over the Last Year



- Review Meeting Agenda
- SHRP 2 / R16
- Case Studies Published and Posted
- Webinars Held
- Peer Exchange, Chicago, October 2017

Day 1 Agenda Review



Day 1

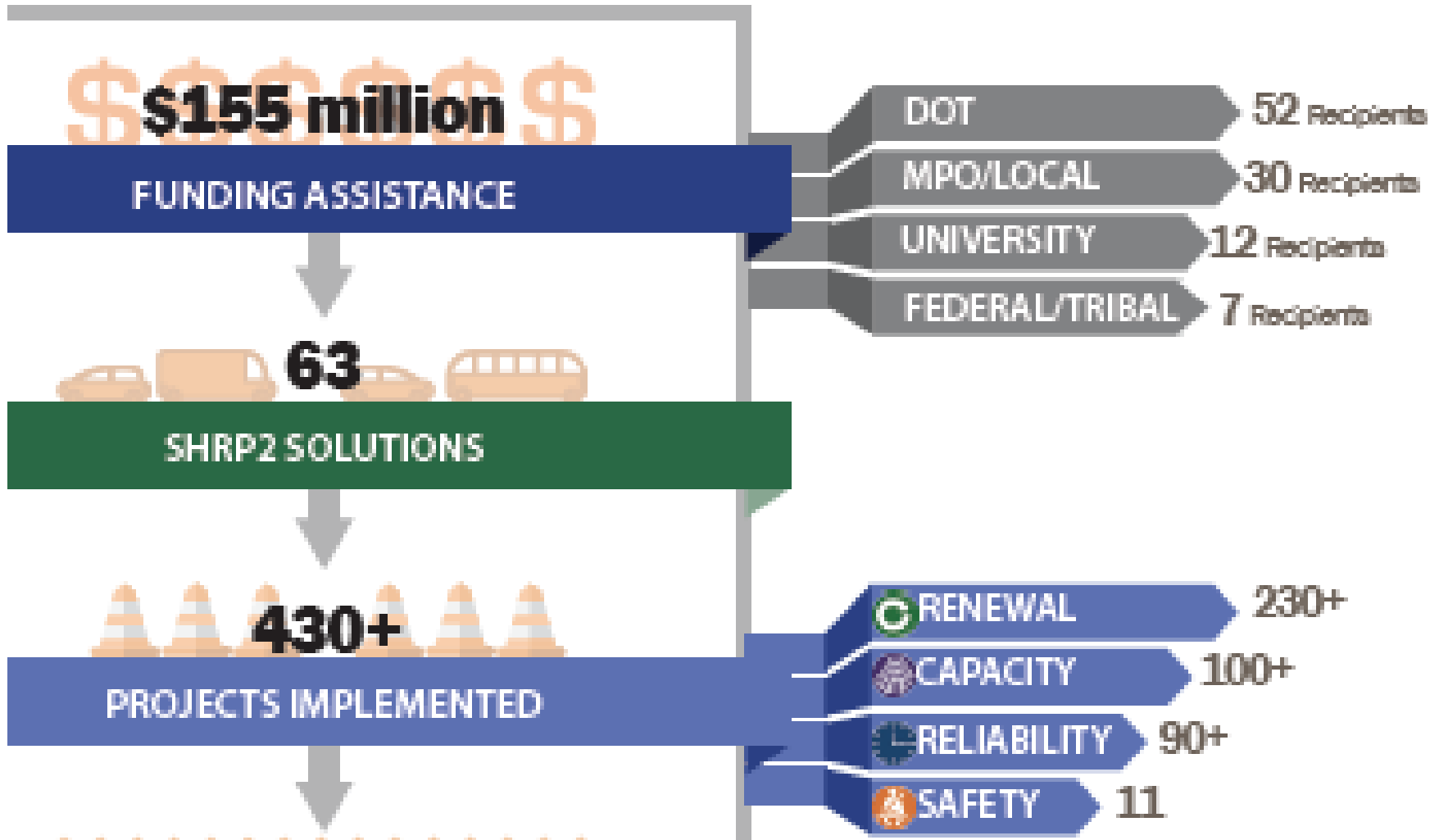
- Meeting Overview and Activity Recap
- Community of Interest Update
 - Introductions and Report Outs
 - Innovations/Challenges Group Discussion
- Working Lunch, Drones – Evolving Applications and Values
- Section 130 Update and Discussion
- BNSF Campus Tour
- Networking Opportunity

Day 2 Agenda Review

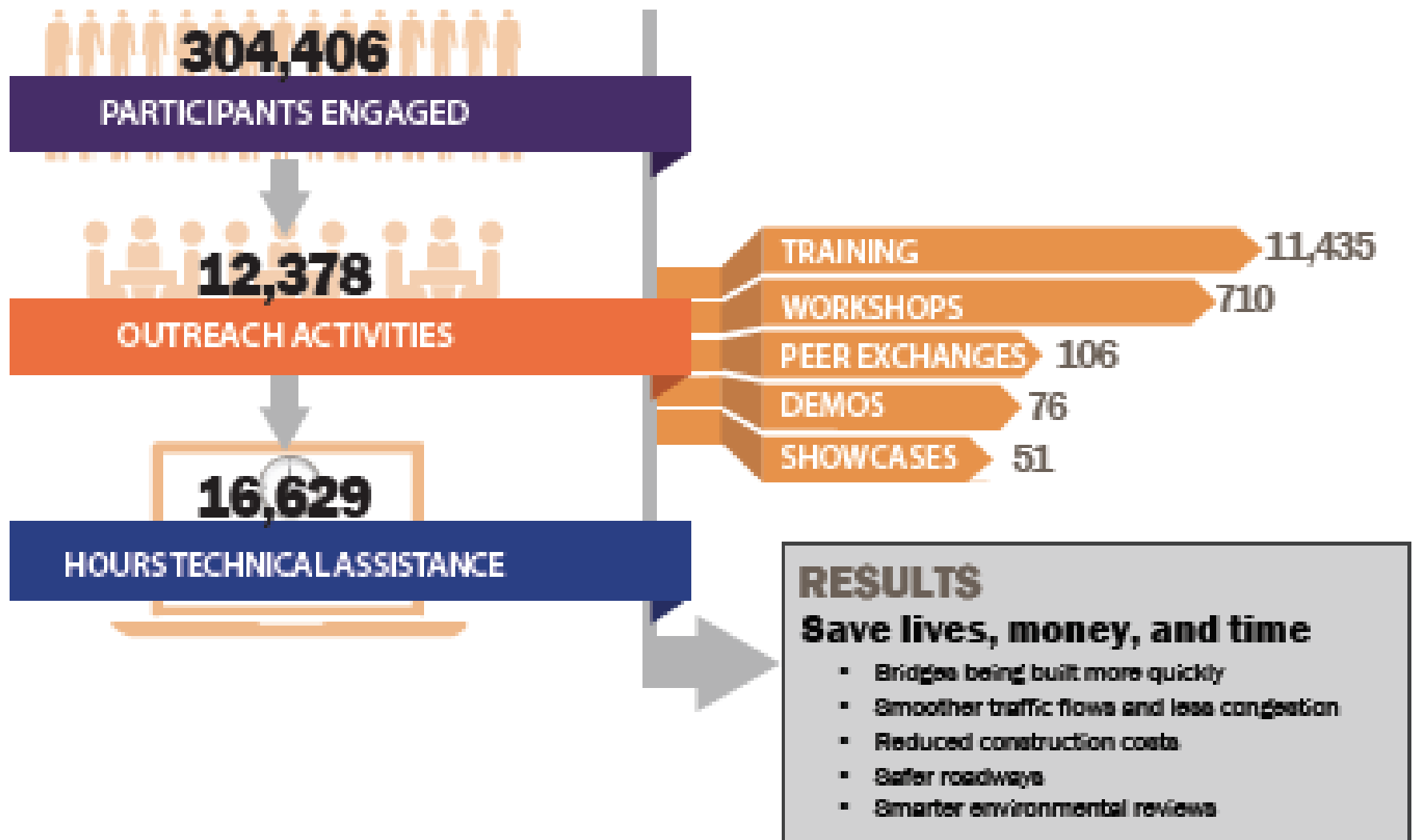
Day 2

- Welcome and Recap of Day 1
- What's Going on with FRA Lately?
- Successes and Challenges of Master Agreements
- Topics for Future Webinars and Case Studies
- Peer Exchange Agenda for Miami, Sept 13-14
- Panel Discussion on Sealed Corridors
- Leveraging R16 COI in 2018-2019
- Wrap Up
- Adjourn

SHRP2 Implementation: INNOVATE.IMPLEMENT.IMPROVE.



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Railroad-DOT Mitigation Strategies (R16)

Challenge

- Railroad-DOT interaction requires a thorough review of the safety, engineering, and the operational impacts of a roadway project during construction – since it will have lasting effects on the railroad for decades thereafter. Rapid construction goals require a new approach that eases the project agreement process for both industries.

Solution

- Recommended practices, model agreements, and training materials to help resolve potential conflicts.



R16 Range of Activities



- Host Community of Interest providing forum for sharing of best practices and challenges
 - annual face to face meeting in Q1
 - quarterly meetings by webinar
- Host SHRP2, R16 Web Page
- Provide SME Technical Assistance
- Host Webinars, topics selected by COI
- Host annual Peer Exchange in Q3
- Produce Case Studies of most value to the COI

Innovation Library – R16 Webpage

- A library of agreements and other documents developed by state DOTs and rail agencies.
- State and Railroad Agreements, Manuals, and Processes (R16)
 - Organized by State/Railroad
 - Organized by Topic

http://shrp2.transportation.org/Pages/R16_InnovationLibrary.aspx

SHRP 2

- Home
- Implementation Assistance
- Upcoming Events
- SHRP2 Presentations
- Products by Focus Area ▶
- Products by Topic Area ▶
- News and Videos

Need More Information?

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R16 Innovation Library-State

AASHTO > Strategic Highway Research Program 2 > R16 Innovation Library-State



Innovation Library - Agreements, Manuals, and Processes Organized by State and Railroad (R16)

A library of agreements and other documents developed by state DOTs and rail agencies.

To view these documents sorted by TOPIC, click [here](#).

Connecticut Department of Transportation

- [ConnDOT Amtrak Support Service Master Agreement](#)

Delaware Department of Transportation

- [Delaware DOT Railroad Coordination Workshop Slides](#)

Georgia Department of Transportation

- [Georgia DOT CSX Railroad Special Provisions](#)
- [Georgia DOT CSX Right of Entry Acquisition Agreement Form](#)
- [Georgia DOT CSX Special Provision CSX Higher Atlanta Division](#)
- [Georgia DOT Guidance on Right of Way Acquisition](#)
- [Georgia DOT Norfolk Southern Railroad Master Agreement](#)
- [Georgia DOT Norfolk Southern Right of Way Agreement Form](#)
- [Georgia DOT Norfolk Southern Special Provisions](#)
- [Georgia DOT Vertical Clearance of Bridges over Railroad Tracks](#)
- [Georgia DOT Railroad Plan Submittal Checklist](#)

Illinois Department of Transportation

- [Illinois DOT Flagger Agreement](#)

Since our Last Meeting – Case Studies Published

- Included in your folder:
 - Section 130 Case Study
 - Master Agreement Case Study
 - 2017 Implementation Highlights
 - R16 Brochure
- 5 More Case Studies, topics to be chosen by COI and discussed later in this meeting

Since our Last Meeting – Webinars Held



- Section 130 Funding
- Railroad/DOT User Manuals and Training
- Master Agreements
- 3 more Webinars coming, topics to be chosen by COI and discussed further in this meeting

Since our Last Meeting – Fall 2017 Peer Exchange

- Goals of Peer Exchange:
 - Share best practices, lessons learned, challenges and accomplishments
 - Learn about new processes and procedures that can streamline and accelerate joint DOT-RR project delivery
 - Identify ways to foster a more collaborative working environment
 - Capture and replicate innovative ideas

Since our Last Meeting – Fall 2017 Peer Exchange

- 34 Participants representing:
 - 11 State DOTs
 - 4 Class I Railroads
 - Amtrak
 - 1 Public Transit Authority
 - 1 City DOT
 - ASLRRA
 - FHWA
 - FRA
 - AASHTO
- Topics included:
 - Improved Partnering and Communication
 - Identifying Intersections in RR/DOT Processes
 - Structuring Master Agreements
 - Section 130 program update
 - CREATE Update and Panel Discussion
 - Design/Build Contracting

Community of Interest Update

Self Introductions and Report Outs from each COI member addressing the following 3 questions (approx. 5 min each):

1. Since the last COI meeting one year ago, how has your DOT/RR continued to implement Railroad-DOT Mitigation Strategies?
2. Based on your experience, are you achieving the expected benefit or value?
3. In what way has R16 changed your agency's everyday state of practice or culture? Have you entered into any new partnerships? Conducted business between the RRs and DOTs in a different manner?

Break

Break

Community of Interest Update

Self Introductions and Report Outs from each COI member addressing the following 3 questions (approx. 5 min each):

1. Since the last COI meeting one year ago, how has your DOT/RR continued to implement Railroad-DOT Mitigation Strategies?
2. Based on your experience, are you achieving the expected benefit or value?
3. In what way has R16 changed your agency's everyday state of practice or culture? Have you entered into any new partnerships? Conducted business between the RRs and DOTs in a different manner?

State of the Industry Open Discussion



- What are the greatest challenges in your job?
- What wakes you up at night?
- What trends do you see in the industry that are promising?
- What trends do you see in the industry that are concerning?
- How can we as a group impact these areas of concern?

LUNCH

Working Lunch provided by BNSF

Drones – Evolving Applications and Values

- **Moderated by R16 SME Susannah Kerr Adler**
- **Presenters: Frank Frey (FRA) and Alana Spendlove (UDOT)**

Section 130 Update and Discussion

Presented by Jessica Rich, FHWA

Break

Break

BNSF Campus Tour

The BNSF logo graphic, consisting of several parallel white diagonal lines that converge towards the top right corner, set against a dark blue background.

Hosted by French Thompson and his BNSF team

Day One Wrap Up



- Thoughts from participants
 - Items of particular interest?
 - Items to stress tomorrow?
 - Topics we should add to the agenda tomorrow?
 - Any follow up items?
- Networking Event logistics

Networking Event Logistics



- 5:30 to 6:15 pm at Host Hotel, Homewood Suites by Hilton
- Hotel has agreed that we can add guests not registered at the Hilton
- Dinner on your own
- 8:30 am Start on Wednesday, bring your luggage if traveling on Wednesday evening

Welcome and Day One Recap



- Good morning!
- Safety Moment
- Housekeeping
- Thoughts from yesterday's workshop?
- Recap of Day 1
- Overview of Today's Agenda
- Any suggested changes to Agenda?

Day 2 Agenda

- What's Going on with FRA Lately?
- Successes and Challenges of Master Agreements
- Topics for Future Webinars and Case Studies
- Peer Exchange Agenda for Miami, Sept 13-14
- Panel Discussion on Sealed Corridors
- Leveraging R16 COI in 2018-2019
- Wrap Up
- Adjourn

What's Going on with FRA Lately?

Presented by Frank Frey, FRA

Master Agreements Successes and Challenges



- **Moderated by R16 SME David Solow**
- **Presenters: Connie Raezer (WS DOT), Robert Travis (TX DOT), Megan McIntyre (BNSF) and Paul Rathgeber (UPRR)**

BREAK

Break

Topics for Future Webinars and Case Studies



- Moderated by Pam Hutton and David Solow
- 4 Webinars complete, 3 to go
- 2 Case Studies complete, 5 to go
- R16 program funding expires in May 2019
- COI to determine topics and propose contributors

Past Webinar Topics



- Completed Webinars:
 - COI Introductory Meeting, Sept. 2016
 - Section 130 Funding, May 2017
 - Railroad/DOT User Manuals and Training, Sept. 2017
 - Master Agreements, Feb. 2018

Future Webinar Topics



- Recommended topics have included:
 - Flagging Agreements
 - Design/Build and RR Agreements
 - Mutual Aid Agreements
 - Sealed Corridors
 - Increased Use of Drones
- COI to determine final three topics and propose potential contributors
- Some or all webinars can be turned into Case Studies

Past Case Study Topics



- Published and Posted Case Studies:
 - Section 130 Funding, Sept. 2017
 - Master Agreements, March 2018

Future Case Study Topics

- Recommended topics have included:
 - Flagging Agreements
 - Design/Build and RR Agreements
 - Mutual Aid Agreements
 - Sealed Corridors
 - Increased Use of Drones
 - Document Control and File Sharing between DOTs and RRs
- COI to determine remaining 5 topics and propose potential contributors
- Some or all webinars can be turned into Case Studies

Peer Exchange 2018 Planning

- Moderated by Kate Kurgan and Mike Loehr
- Sept. 13-14 in Miami, piggyback on SCORT
- Potential to interface with Brightline
- Draft agenda topics:
 - Executive Leadership Panel, FDOT, CSXT, Brightline (new intercity service in Florida)
 - Master Agreements
 - Section 130 Update
 - Innovations and New Technology
 - Flagging Best Practices
- COI to determine agenda topics

BREAK

Lunch provided by BNSF
Meeting will resume at 1:00 PM

Sealed Corridors Panel Discussion



- **Moderated by R16 SME Mike Loehr**
- **Presenters: Richard Mullinax (NC DOT), Frank Frey (FRA), Troy Creasy (CSXT) and Stephen Klinger (NS)**

BREAK

Break

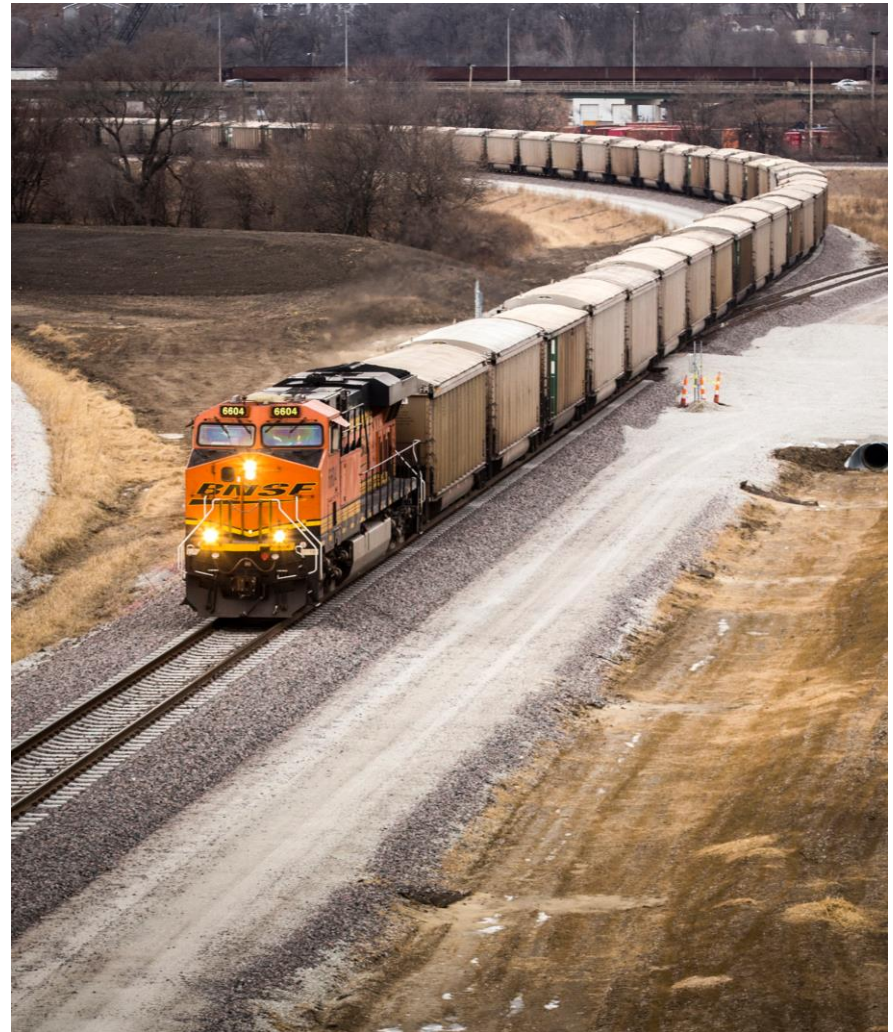
Leveraging R16 COI in 2018 and 2019



- Moderated by Pam Hutton
- What can we do better or different?
- Planning for 2019 COI Annual Face-to-Face Meeting in Q1
 - Location and Host
 - Agenda topics to be determined by COI
 - Proposed speakers and panelists

What's Next for R16

- The future of SHRP2 R16
- Additional industry needs
- Role of FHWA, FRA, State DOTs and Partner Railroads going forward



Take-Aways, Actions and Wrap Up



- Travel Reimbursement Reminders
- Evaluation and Photo Permission Forms
- Thank You for Participating

For More Information

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Hal Lindsey
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Additional Resources:

GoSHRP2 fhwa.dot.gov/GoSHRP2
Website:

AASHTO SHRP2 <http://shrp2.transportation.org>
Website:

R16 Product http://shrp2.transportation.org/Pages/R16_RailroadDOTMitigationStrategies.aspx
Page

Contacts and Resources

- **Contacts:**

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- Mike Loehr, CH2M SME, Michael.Loehr@ch2m.com
- Dave Solow, CH2M SME, David.Solow@ch2m.com
- Susannah Kerr Adler, CH2M SME, Susannah.KerrAdler@ch2m.com
- Hal Lindsey, CH2M Project Manager, Hal.Lindsey@ch2m.com

- **Resources**

- **AASHTO SHRP2 R16 Webpages:**

http://shrp2.transportation.org/Pages/R16_RailroadDOTMitigationStrategies.aspx

FHWA GoSHRP2 R16 Webpage:

- https://www.fhwa.dot.gov/goshrp2/Solutions/Renewal/R16/RailroadDOT_Mitigation_Strategies

Thank you!

