

AGENDA

FHWA Evaluation of Low-Cost Safety Improvements Pooled Fund Study 2019 Technical Advisory Committee Meeting (August 28-29)

DAY 1

8:30 AM Morning Session

Welcome and Mission, Brian Cronin (Director, Office of Safety and Operations, FHWA), and Roya Amjadi (Program Manager, Development of Crash Modification Factors, FHWA)

Introductions, All [15 min—8:35 am to 8:45 am]

Overview of Meeting, TTI [5 min—8:45 am to 8:50 am]

- Quick demo of Poll Everywhere (Marcus Brewer, TTI)

Discussion of Peer Exchange Topics, All [20 min—8:50 am to 9:10 am]

Background of ELCSI

Overview of ELCSI Pooled Fund Study, and general report (Roya Amjadi, FHWA) [10 min—9:10 am to 9:20 am]

ELCSI New Evaluations

The ELCSI-PFS Phase XI Evaluations, Raul Avelar, TTI [10 min—9:20 am to 9:30 am]

Roundtable Discussions on States' Low-Cost Countermeasure Evaluations and Lessons Learned (Karen Scurry, FHWA) [35 min—9:30am to 10:05am]

Short Break [10 min—10:05 am to 10:15 am]

Topic 1: Horizontal Curve Safety and High Friction Surface Treatments

- Update on High Friction Surface Treatment Study in Virginia (Stephen Read, VDOT) [5 min—10:15 am to 10:20 am]
- Overview of HFST (Joe Cheung, FHWA) [5 min—10:20am to 10:25am]
- Continuous Friction Measurement (Jeff Shaw, FHWA) [10 min—10:25am to 10:35am]
- ELCSI-PFS completed HFST evaluations (David Merritt) [10 min—10:35am to 10:45am]

Topic 2: Intersections (including Roundabouts and Access Management)

- Reduced Conflict Intersections (RCI) /J-turn Installation and Evaluations in Minnesota (Derek Leuer, MnDOT) [5 min—10:45 am to 10:50 am]
- Intersections (Jeff Shaw, FHWA) [10 min—10:50 am to 11:00 am]
- Wrong-Way Driving Countermeasures on Divided Highways (Melisa Finley, TTI) [10 min—11:00 am to 11:10 am]
- Innovative Intersections (Karen Dixon, TTI) [10 min—11:10 am to 11:20 am]
- Ongoing ELSCI-PFS Evaluation: Safety Evaluation of Adaptive Signal Control Technology (Raul Avelar, TTI) [10 min—11:20 to 11:30]
- Mini-Roundabout Applications (Wei Zhang, FHWA) [10 min—11:30am to 11:40am]

12:00 PM Lunch

1:00 PM Afternoon Session

Topic 3: Pedestrians and Bicycles

- Systemic Pedestrian Safety Analysis Implementation (Christina McDaniel-Wilson, Oregon DOT) [10 min—1:00 pm to 1:10 pm]
- Recent Pedestrian Crash Evaluation at MN Roundabouts (Derek Leuer, MnDOT) [10 min—1:10 pm to 1:20 pm]
- FDOT Efforts on FHWA EDC5 STEP (Safety Transportation for Every Pedestrian) (Joe Santos, FDOT) [5 min—1:20 pm to 1:25 pm]
- US Census Pedestrian and Bicycle Crash Study (James Livsey, Census Bureau) [20 min—1:25 pm to 1:45 pm]
- Safe Transportation for Every Pedestrian (Rebecca Crowe, FHWA) [10 min—1:45 pm to 1:55 pm]
- Ongoing ELCSI-PFS evaluation: Safety Evaluation of Reducing Lane and Shoulder Width to add Bicycle Lane (Raul Avelar, TTI) [5 min—1:55 pm to 2:00 pm]
- Ongoing ELCSI-PFS evaluation: Safety Evaluation of Separated Bicycle Path/Lanes (Karen Dixon, TTI) [10 min—2:00 pm to 2:10 pm]

Short Break [10 min—2:10 pm to 2:20 pm]

Topic 4: Speed Management

- Implementation of VSL in Washington (Alec Bumgarner, WSDOT) [5 min—2:20 pm to 2:25 pm]
- Update on FHWA's Speed Management Current Activities (Abdul Zineddin, FHWA) [10 min—2:25 pm to 2:35 pm]

- Ongoing ELCSI-PFS evaluation: Safety Evaluation of Variable Speed Limits (Raul Avelar, TTI) [10 min—2:35 pm to 2:45 pm]
- Discussion on Speed Management Strategies (all State DOTs) [20 min—2:45 pm to 3:05 pm]

Short Break [10 min—3:05 pm to 3:15 pm]

Briefs from Invited Speakers

- Update on IIHS Activities, (Wen Hu IIHS) [5 min—3:15 pm to 3:20 pm]
- Cap II and CAP 2 Analysis webinar and update on Safety Data and Analysis program (Esther Strawder, FHWA) [10 min—3:20 pm to 3:30 pm]
- Human Factors Laboratory (Brian Philips, FHWA) [5 min—3:30 pm to 3:35 pm]
- New/Novel Highway Signs for Motorcycle Crash Countermeasures (Yusuf Mohamedshah, FHWA) [5 min—3:35 pm to 3:40 pm]

States' Roundtable Discussion (Karen Scurry, FHWA) (45 min—3:40 pm to 4:25 pm)

- **Safety Evaluation Needs**

5:00 PM Adjourn

DAY 2

8:00 AM Morning Session

Recap of Day 1 (10 min)

Topic 5: Roadway Departure

- Enhanced Curve Delineation Study in Virginia (Stephen Read, VDOT) [10 min—8:10 am to 8:20 am]
- Recent Experience with HFST in South Dakota (Andy Vandel, SDDOT) [5 min—8:20 am to 8:25 am]
- Update on Intersection and Lane Departure Statewide Plan in Florida (Joe Santos, FDOT) [5 min—8:25 pm to 8:30 pm]
- Roadway Departure: Current Efforts and Resources (Joe Cheung, FHWA) [10 min—8:30 am to 8:40 am]
- Ongoing ELCSI-PFS evaluation: Safety Evaluation of Roadside Treatments (Raul Avelar, TTI) [5 min—8:40 am to 8:45 am]

Topic 6: Emerging Topics, Challenges, and Noteworthy Practices

- Upcoming Changes in HSIP in Texas (Heather Lott, TxDOT) [5 min—8:45 am to 8:50 am]
- HSIP Priority Changes in Colorado (David Swenka, CDOT) [5 min — 8:50 am to 8:55 am]
- Setting SHSP Targets using Crash Prediction Models and Behavioral Factors (Stephen Read, VDOT) [15 min—8:55 am to 9:10 am]

- Drainage Maintenance as Low-Cost Safety Countermeasure (Kornel Kerenyi or Joe Krolak, FHWA) [10 min—9:10 am to 9:20 am]
- Connected Vehicles Research (Deborah Curtis, FHWA) [10 min—9:20 am to 9:30 am]
- SHRP2 Safety Research (Charles Fay, FHWA) [10 min—9:30 am to 9:40 am]

Short Break [10 min—9:40am to 9:50am]

Topic 7: HSM2

- HSM2 Development update (Karen Dixon, TTI) [10 min—9:50 am to 10:00 am]
- CMFs for HSM2 (Karen Scurry, FHWA) [15 min—10:00 am to 10:15 am]

Statistical Methodology

- Power Analysis for Sample Size Estimation in Cross-sectional Safety Studies (Raul Avelar, TTI) [20 min—10:15 am to 10:35 am]
- Questions and discussion [10 min—10:35 am to 10:45 am]

Peer Exchange

This session will feature questions posed by TAC members to their peers. The purpose of this facilitated discussion is to share best practices and identify collective challenges. [60 min—10:45 am to 11:45 am]

12:00 PM Lunch

1:00 PM Afternoon Session

Topic 7: HSM2 (continued)

- Safety Implications of Lighting (Ida van Schalkwyk, WSDOT and Karen Dixon, TTI) [20 min—1:00 pm to 1:20 pm]
- Updating Safety Knowledge based on New Evidence: The Case of Lighting CMFs in HSM Applications (Ida van Schalwyk, WSDOT) [10 min—1:20 pm to 1:30 pm]

1:30 PM Next Steps

DCMF Program and ELCSI-PFS

- Future directions (Roya Amjadi and Karen Scurry, FHWA) [10 min—1:30 pm to 1:40 pm]
- Poll Questions (Karen Scurry, FHWA) [5 min—1:45 pm to 1:55 pm]
- TACs discussion [20 min—1:55 pm to 2:15 pm]

TAC Input Form

Peer Discussion on Future Evaluation Needs and Emerging Strategies

CEUs and Other Follow-up

2:30 PM Adjourn and depart for airports and hotel