

Western States Rural Transportation Consortium Meeting

March 9, 2021

Overview/Agenda

- Welcome / Introductions
- Western States Forum Update
- WSRTC Pooled Fund Updates/Discussions
- WSRTC Documents
- WSRTC Projects
- Emeritus Membership
- Upcoming Meetings
- Roundtable of recent/planned ITS activities
- Other discussions (as needed)

Welcome / Introductions

Western States Rural Transportation Technology Implementers Forum

Update



Western States

**Rural Transportation
Technology Implementers**

Forum

June 15-17, 2021

Yreka, California

Best Western Miner's Inn

Presentations / Demonstrations

ASWSC Phase 3: Migration of the Automated Safety Warning System Controller to the Caltrans Advanced Transportation Controller Platform

Doug Galarus, Montana Tech

Jeremiah Pearce, Jeff Worthington, Caltrans District 2

Evaluating Methods for Wrong Way Driving Deterrence

John Slonaker

Caltrans DRISI

Field Site Power Data Acquisition and System Reporting

Kenneth Shipley

Caltrans District 2

INL Advanced Traffic and Weather IoT Platform – Performance Update

Ira Pray, Idaho National Laboratory

Sarah Lightbody, IBM

Presentations / Demonstrations

Innovative Uses of UAV Technology

Tony Leingang, Washington State Department of Transportation

Alyssa Ryan, University of Massachusetts Amherst

UDOT's Statewide Wrong-Way Detection, Design and Implementation Project

Troy Torgersen, Tyler Laing, Brad Lucas

Utah Department of Transportation

Wrong Way Driver Systems: Technological Solutions for Behavioral Problems

Rick Tydeman

Nevada Department of Transportation

Schedule of Events

Tuesday, June 15th

- 4:00 pm Registration
- 5:00 pm Reception (no-host)
- 6:30 pm Dinner, Networking

Wednesday, June 16th

- 8:00 am – 5:15 pm Technical Program
- 6:15 pm Social, Networking

Thursday, June 17th

- 8:00 am – 12:00 pm Technical Program
- 12:00 pm – 1:00 pm Closing Remarks, Evaluations, Lunch

WSRTC Pooled Fund update/discussion

WSRTC Pooled Fund

- WSRTC Phase II TPF-5(241) was granted time extension.
- New Expiration = 3/31/2023
- WSRTC Phase III

WSRTC Meeting Coordination, Western States Forum Travel Support and Website Maintenance (Task Order 13)

- Start Date: 4/1/2020
- End Date: 3/31/2021
- Budget: \$80,264.00
- WSRTC Meeting Facilitation and Attendance:
 - Annual Meeting
 - NRITS, ITE, World Congress, ITS America, NWTC
 - Other meetings via teleconference as needed.
- Western States Forum Support
- Website Content and Maintenance
- Estimated \$54,400 remaining after March 2021.

WSRTC Documents

- Charter updates

WSRTC Projects

Automated Safety Warning Controller (USU Task Order 1)

- Start Date: 9/1/2018
- End Date: 8/30/2020
- Budget: \$249,995
- Utah State University
- Approximately \$112,000 remaining after August 2020.

The project was in its third phase which entailed further developing the ASWC software and installation process to work with the Caltrans Advanced Traffic Controller (ATC) 2070.

Rural Traveler Information / One Stop Shop (USU Task Order 2)

- Start Date: 9/1/2018
- End Date: 8/30/2020
- Budget: \$150,000
- Utah State University
- Approximately \$62,800 remaining after August 2020.

The One-Stop-Shop for Rural Traveler Information is a web application designed to provide rural travelers with real-time weather and road information for all mainland western states. The project began in 2010 at Montana State University where Dr. Galarus and his team conducted three phases of development. In Fall 2018, the project followed Dr. Galarus to Utah State University (USU), where it completed its fourth phase. The fourth phase of the project continued testing and development of the application and researched long-term maintenance and support of the application. A unified desktop and mobile-friendly version of the application was developed.

ASWSC and One Stop Shop Support (Montana Tech Task Order 1)

- Start Date: Summer 2021
- Duration: Two Years
- Budget: \$60,000
- Montana Tech

On-going support will be provided for the Automated Safety Warning System Controller (ASWSC) and One-Stop-Shop (OSS) projects. Project lab development environments will be established at Montana Tech in Butte so that support can be provided for the ASWSC and OSS projects.

How-To Handbook/Manual for the Western States Forum

- Updated annually
- Practical, how-to guide for planning and executing the Western States Forum
- “...intended to document the Forum in such a way that the event and its standard of excellence can be easily continued even as staffing and other inevitable changes occur.”

Spin-Off Projects – On-Going

- Professional Capacity Building (PCB) for Communication Systems Phase 5
 - Start: 04/01/2020
 - End: 03/31/2023
- COATS Phase 8
 - Start: 2/04/2020
 - End: 1/31/2022

Emeritus Membership

- Nominees
 - Ted Bailey, Washington State DOT
 - Chris Strong, City of Gresham, Oregon
 - David Veneziano, Iowa State University
 - Others?

Upcoming Meetings

- WSRTC Annual Meeting, Yreka, CA, June 15-17, 2021
- ITE & NRITS, Portland, OR, July 18-21, 2021
- ITS America, Charlotte, NC, Dec. 7-10, 2021
- NWTC, Corvallis, OR, March 2022
- WSRTC Annual Meeting, Yreka, CA, June 2022
- ITE, New Orleans, LA, July 31-August 3, 2022
- ITS World Congress, Los Angeles, CA, Sept. 18-22, 2022
- NRITS, North Carolina, fall 2022

Roundtable of Recent ITS Activities

Other Discussions

WSRTC Website

- www.westernstates.org
- Summary of Consortium's Work, Documents
- Compliance and accessibility
- Also Forum website
 - www.westernstatesforum.org

Wrap-up

- Next meeting
 - WSRTC Annual Meeting at the Western States Forum, June 15, 2021; Yreka, California
- Action items
- Other