Western States Rural Transportation Consortium Meeting
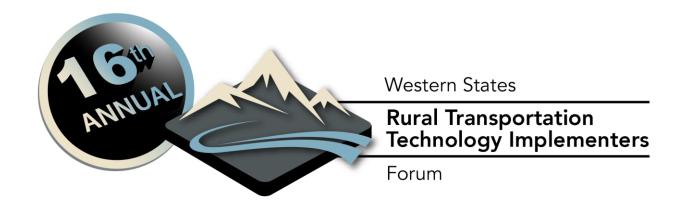
October 5, 2021

Overview/Agenda

- Welcome / Introductions
- Western States Forum Preview
- History of COATS, WSRTC
- WSRTC Pooled Fund updates/discussions
- WSRTC Documents
- General project discussion
- WSRTC Website
- Roundtable of recent/planned ITS activities
- Other discussions (as needed)

Welcome / Introductions

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Western States Rural Transportation Technology Implementers Forum

Preview

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October 5-7, 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

Jeremiah Pearce, Jeff Worthington, Caltrans District 2

Doug Galarus, Montana Tech

UDOT's Statewide Wrong-Way Detection Project

Troy Torgersen, Utah Department of Transportation

Brad Lucas, Lochner

Deterrence and Detection of Wrong-Way Drivers on California Highways

John Slonaker

Caltrans DRISI

A Cost-Effective Solution for Truck Parking Based on Artificial Intelligence

Karthik Murthy, Matt Neeley, Washington State DOT

Hao (Frank) Yang, Wei Sun, Yinhai Wang, University of Washington

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Presentations / Demonstrations

Field Site Power Data Acquisition and System Reporting

Kenneth Shipley

Caltrans District 2

Innovative Uses of Unmanned Aerial Vehicle (UAV) Technology

Tony Leingang, Washington State Department of Transportation

Alyssa Ryan, University of Massachusetts Amherst

Wrong Way Driver Systems: Technological Solutions for Behavioral Problems

Rick Tydeman

Nevada Department of Transportation

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Schedule of Events

Tuesday, October 5th

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

Wednesday, October 6th

- 7:00 am Breakfast
- 7:45 am – 5:20 pm Technical Program
- 6:00 pm Social, Networking

Thursday, October 7th

- 7:00 am Breakfast
- 8:00 am – 11:45 am Technical Program
- 11:45 am – 1:00 Closing Remarks, Evaluations, Lunch

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Participation

- 16th Annual Western States Forum

- 39 Participants Registered:

  - By State:

    - CA (25)
    - MA (1)
    - MT (2)
    - NV (4)
    - UT (4)
    - WA (3)

Participation

Caltrans Participants:

- D1 (2)
- D2 (10)
- D3 (2)
- D4 (1)
- D9 (1)
- D10 (2)
- D12 (1)

- HQ (4)
- DRISI (2)

Participation

– Participants from Other Agencies:

- Nevada Department of Transportation (3)
- Utah Department of Transportation (3)
- Washington State Department of Transportation (2)
- Montana Technological University (1)
- University of Massachusetts Amherst (1)
- University of Washington (1)
- Western Transportation Institute (1)
- Lochner (1)

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History of COATS and the WSRTC

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

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WSRTC Meeting Coordination, Western States Forum Travel Support and Website Maintenance (Task Order 14)

- Start Date: 4/26/2021
- End Date: 3/31/2023
- Budget: $175,748.00
- WSRTC Meeting Facilitation and Attendance:
  - WSF, NWTC, NRITS, ITE, ITS America, ITS World Congress
  - Other meetings via teleconference as needed.
- Western States Forum Support
- Website Content and Maintenance
- Estimated $147,000 remaining after September 2021.

WSRTC Documents

- Charter updates

Projects

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

- Start Date: July 1, 2021

- End Date: March 31, 2023

- Budget: $71,450

- 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.

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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

WeatherShare Maintenance
(Funded and Contracted Directly by Caltrans)

- Start Date: January 2022

- Start Date: December 31, 2024

- Budget: $100,000

- Montana Tech

On-going support will be provided for the WeatherShare project. Project lab development environments will be established at Montana Tech in Butte so that support can be provided for the WeatherShare project.

WSRTC Website

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

Upcoming Meetings

- WSRTC Annual Meeting, Yreka, CA, October 5-7, 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

Wrap-up

- Next meeting
  - ITS America, Charlotte, NC, Dec. 7-10, 2021
  - NWTC, Corvallis, OR, March 2022
- Action items
- Other

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