

Western States Rural Transportation Consortium Meeting

June 18, 2019

Overview/Agenda

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

Welcome / Introductions

Western States Rural Transportation Technology Implementers Forum

Preview

Western States Rural Transportation Technology Implementers Forum

June 18-20, 2019

Yreka, California

Best Western Miner's Inn

Presentations / Demonstrations

Organic vs. Purchased Data for Travel Time Predictions

Andres Chavez

Caltrans, District 3

UDOT's Region Four Rural Intersection Conflict Warning Systems (RICWS) Design and Implementation

Troy C. Torgersen, Robert Dowell, Tyler Turner

Utah Department of Transportation, Civil Science

Design, Development, and Field-Testing of the Caltrans Responder System

Stephen Donecker, Melissa Clark

AHMCT at UC Davis, Caltrans DRISI

Foresight is 2020: NDOT Building an ITS Network for the Next Decade and Beyond

Jim Whalen, Gary Molnar, Mark Aragon

Nevada Department of Transportation

Presentations / Demonstrations

Building and Leveraging Fiber Optics in Rural Areas

Lynne G. Yocom

Utah Department of Transportation

ODOT Connected Vehicle Applications

Julie Kentosh, Doug Spencer

Oregon Department of Transportation, City of Portland

Miovision Equipment for SPaT Challenge – Intended and Actual Outcomes

Ken Burt

Washington State Department of Transportation

The Maintenance Decision Support System (MDSS)

Michael J. Adams

Wisconsin Department of Transportation

Schedule of Events

Tuesday, June 18th

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

Wednesday, June 19th

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

Thursday, June 20th

- 7:45 am – 11:40 am Technical Program
- 11:40 am – 1:00 pm Closing Remarks, Evaluations, Lunch

Participation

- 14th Annual Western States Forum
- 55 Participants Registered:
 - By State:
 - CA (33)
 - ID (1)
 - MT (1)
 - NV (5)
 - OR (2)
 - UT (7)
 - WA (5)
 - WI (1)

Participation

Caltrans Participants:

- D1 (1)
- D2 (9)
- D3 (2)
- D4 (3)
- D6 (2)
- D9 (1)
- D10 (1)
- D11 (1)
- HQ (9)
- DRISI (2)

Participation

– Participants from Other Agencies:

- City of Portland, Oregon (1)
- Civil Science, Inc. (1)
- Idaho Transportation Department (1)
- Nevada Department of Transportation (3)
- Oregon Department of Transportation (1)
- Oregon State University (1)
- Utah Department of Transportation (5)
- Utah State University (1)
- University of California – Davis (1)
- Washington State Department of Transportation (5)
- Wisconsin Department of Transportation (1)
- Western Transportation Institute (1)

History of COATS and the WSRTC

WSRTC Pooled Fund update/discussion

WSRTC Pooled Fund

- Renewed
- New Expiration = 3/31/2020

WSRTC Meeting Coordination, Western States Forum Travel Support and Website Maintenance (Task Order 12)

- Start Date: 3/1/2019
- End Date: 3/31/2020
- Budget: \$79,526.00
- WSRTC Meeting Facilitation and Attendance:
 - NWTC/NRITS
 - Other meetings via teleconference as needed.
- Western States Forum Support
- Website Content and Maintenance
- Estimated \$75,000 remaining after May 2019.

Automated Safety Warning Controller (USU Task Order 1)

- Start Date: 9/1/2018
- End Date: 8/30/2020
- Budget: \$249,995
- Utah State University
- Estimated \$210,000 remaining after May 2019.

The project is currently in its third phase which entails further developing the ASWC software and installation process to work with the Caltrans Advanced Traffic Controller (ATC) 2070. Further functionality may also be developed as part of this phase.

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
- Estimated \$110,000 remaining after May 2019.

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 began its fourth phase. The fourth phase of the project is focused on transitioning research and development of the application to USU, continued testing and development of the application, and providing a foundation for long-term maintenance of the application.

Incubators

- How-To Handbook/Manual for the Western States Forum
- Cellular Telco Usage in Rural Environments
- Data Quality for Aggregation and Dissemination of DOT Traveler Information: An Analysis of Existing System Best Practices (Part 2)

General project discussions

Spin-Off Projects – Pending & On-Going

- Professional Capacity Building (PCB) for Communication Systems Phase 4
 - Start: 12/9/2016
 - End: 6/30/2019
- COATS Phase 7
 - Start: 2/14/2017
 - End: 1/31/2020

Spin-Off Projects – On-Going

- Integration of Aviation AWOS with RWIS Phase 4
 - Start: 2/16/2016
 - End: ~~2/15/2018~~ ~~3/31/2020~~ 6/30/2019
 - Caltrans Contract with WTI/MSU
 - Budget: \$150,000
- WeatherShare Phase 5
 - Start: 7/1/2019
 - End: 6/30/2019
 - Caltrans Contract Utah State University
 - Budget: \$242,795

WeatherShare replaces ScanWeb and ScanSentry as the central repository for Caltrans RWIS data and associated functionality such as alerts. In Phase 5, WeatherShare will be transitioned into operation by Caltrans IT.

WSRTC Website

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

Roundtable of Recent ITS Activities

Other Discussions

Wrap-up

- Next meeting
 - ITE Annual Meeting + Exhibit with NRITS is July 21-24, 2019; Austin, Texas
- Action items
- Other