Western States Rural Transportation Consortium Meeting

June 20, 2017

Overview/Agenda

- Welcome / Introductions
- Western States Forum Preview
- WSRTC Pooled Fund updates/discussions
- Incubator project progress
- General project discussion
- 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 20-22, 2017

Yreka, California

Holiday Inn Express

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Presentations / Demonstrations

An Iterative Approach to Intelligent Traffic Systems Asset Management

Jim Whalen, Nevada Department of Transportation

Installing DSRC Systems for Vehicle to Infrastructure Applications

Blaine Leonard, Utah Department of Transportation

ITS Firmware for the Advanced Transportation Controller

Doug Spencer, Oregon Department of Transportation

PPPoE Security on Networks Utilizing Ethernet Interfaces

Lonnie Hobbs, Jeremiah Pearce, Caltrans District 2

Presentations / Demonstrations

Radar Technology for Distinguishing Between Bicycles and Cars

Martha Styer, John Slonaker, Caltrans Headquarters, Traffic Operations

Relating Naturalistic Global Positioning System (GPS) Driving Data with Long-Term Safety Performance of Roadways

Dr. Anurag Pande, Stephen Lakowske, Cal Poly, San Luis Obispo

UDOT Automated Traffic Signal Performance Measures

Jamie Mackey, Utah Department of Transportation

WeatherShare Phase 4

Doug Galarus, WTI

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Schedule of Events

Tuesday, June 20th

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

Wednesday, June 21st

- 8:00 am – 5:35 pm Technical Program
- 6:15 pm Social, Networking

Thursday, June 22nd

- 8:00 am – 12:15 pm Technical Program
- 12:15 pm – 1:00 pm Closing Remarks, Evaluations, Lunch

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Participation

- 12th Annual Western States Forum

- 50 Participants Registered:

  - By State:

    - CA (40)
    - MT (2)
    - NV (1)
    - OR (2)
    - UT (2)
    - WA (2)
    - WY (1)

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Participation

Caltrans Participants:

- D1 (2)
- D2 (9)
- D3 (3)
- D4 (2)
- D5 (1)

- D6 (3)
- D7 (2)
- D9 (1)
  D10 (1)
- D12 (2)

- HQ (8)
- DRISI (2)

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Participation

– Participants from Other Agencies:

- CA DWR Snow Surveys (1)
- Cal Poly San Luis Obispo (1)
- California Department of Water Resources (1)
- eDriving (1)
- Nevada Department of Transportation (1)
- Oregon Department of Transportation (1)
- Oregon State University (1)
- Utah Department of Transportation (2)
- Washington State Department of Transportation (2)
- Western Transportation Institute (2)
- Wyoming Department of Transportation (1)

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WSRTC Pooled Fund update/discussion

WSRTC Pooled Fund

- Renewed
- New Expiration = 3/31/2020

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WSRTC Meeting Coordination, Western States Forum Travel Support and Website Maintenance (Task Order 10)

- Start Date: 3/1/2017
- End Date: 2/28/2018
- Budget: $60,000
- WSRTC Meeting Facilitation and Attendance:
  - NWTC/NRITS
  - Other meetings via teleconference as needed.
- Western States Forum Support
- Website Content and Maintenance
- Estimated $51,000 remaining after May 2017.

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WeatherShare Phase 4 (Task Order 7)

- Start Date: 3/1/2016
- End Date: 12/31/2017
- Budget: $100,000
- The goal of WeatherShare Phase 4 is to continue to develop the WeatherShare prototype system to match the needs of Caltrans maintenance and operations personnel in terms of combining functionality of WeatherShare, SCAN Web™ and SCAN Sentry™ into a single, open system. The specific research objectives are:
  - Continue research and development of the prototype system.
    - Alerts
    - User Profiles
  - Test and evaluate the prototype system.
- Estimated $11,700 remaining after May 2017.

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Rural Traveler Information (One Stop Shop) (Task Order 9)

- Start Date: 3/1/2016
- End Date: 3/31/2018
- Budget: $300,000
- This project will continue to support surface transportation goals of enhancing safety and mobility by demonstrating an information mechanism that could provide route-specific information to highway users in rural areas throughout the Western United States. With limited availability of traveler information in rural areas, this project promises to provide a traveler information system benefiting all highway users, at a relatively low cost.
    - *Task 1: Project Management*, to keep the Caltrans project manager and technical panel apprised of project progress;
    - *Task 2: Expansion (Data Sources and Coverage)*, identifies data sources and implements expansion of the system to include new data and geographic coverage;
    - *Task 3: Mobile Application Development*, which will involve development of a mobile interface for the prototype system;
    - *Task 4: On-Going System Development*, to conduct on-going development of new application functionality and perform general system maintenance;
    - *Task 5: System Testing and Evaluation*, to examine the manner in which users interact with the prototype system, including selection of information, referring sources, etc. and summarize the project in a final report.
- Estimated approximately $170,000 remaining after May 2017.

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Incubators

- Rural Winter Travel Times

- Chain-Up Delay Tracking with Bluetooth (Part 2)

- 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
  - Duration: Two Years (to be extended by an additional year)

- COATS Phase 7
  - Start: 2/14/2017
  - Duration: Two Years

Spin-Off Projects – On-Going

- Integration of Aviation AWOS with RWIS Phase 4
  - Start: 2/16/2016
  - Duration: Two Years

- WeatherShare Integration with QuickMap
  - 3/17/2014 – 6/30/2017
  - About to Conclude

- Automated Safety Warning Controller
  - Deferred
  - Will go through the WSRTC

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Roundtable of Recent ITS Activities

Other Discussions

Website

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Wrap-up

- Next meeting
- Action items
- Other