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
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
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
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)
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)
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)
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 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.
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.
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.
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
Roundtable of Recent ITS Activities
Other Discussions

Website
Wrap-up

• Next meeting
• Action items
• Other