Overview/Agenda

- Welcome / Introductions
- Western States Forum Preview
- WSRTC Pooled Fund updates/discussions
- Incubator updates
- General project discussion
- Roundtable of recent/planned ITS activities
- Other discussions (as needed)
Western States Rural Transportation Technology Implementers Forum

Preview
Western States Rural Transportation Technology Implementers Forum

June 17-19, 2014
Yreka, California
Holiday Inn Express
Presentations/Demonstrations

The Field Element Communications End Game: From POTS to Licensed Microwave
Jeremiah Pearce, P.E., Caltrans, District 2

WSDOT LED Adaptive Roadway Lighting and Illumination Reform
Keith Calais, Washington State Department of Transportation

Control of DMS, CCTV, HAR, and 511
Phil Braun, Idaho Transportation Department

Commercial Wholesale Web Portal 2: Providing Caltrans’ Traveler Information Data to Third Party Developers
Sean Campbell, Caltrans DRISI
Mike Jenkinson, Caltrans Traffic Operations
Presentations/Demonstrations

Model 2070 Controller and ATC: Present and Future
Herasmo Iniguez
Caltrans, Headquarters

Organized Chain-Up: Save the Space – Bringing Order to Chaos
James Todd Daley
Washington State Department of Transportation
Schedule of Events

Tuesday, June 17th
• 4:00 pm Registration
• 5:00 pm Reception (no-host)
• 6:30 pm Dinner, Networking

Wednesday, June 18th
• 8:00 am – 5:15 pm Technical Program
• 6:00 pm Social, Networking

Thursday, June 19th
• 8:00 am – 11:30 am Technical Program
Discussion

• 9th Annual Western States Forum

• 38 Participants Registered:
  – By State:
    • CA (24)
    • ID (1)
    • MT (2)
    • NV (2)
    • OR (4)
    • WA (5)
Discussion

Caltrans Participants:

- D1 (2)
- D2 (6)
- D3 (1)
- D4 (1)
- D6 (2)

- D8 (1)
- D9 (1)
- D10 (2)
- HQ (4)
- DRISI (1)
- OSM (1)
Discussion

– Participants from Other Agencies:

- AHMCT UC Davis (1)
- City of Salem Public Works Department (2)
- FHWA-California Division (1)
- Idaho Transportation Department (1)
- Nevada Department of Transportation (1)
- Oregon Department of Transportation (2)
- University of Nevada Reno (1)
- Washington State DOT (5)
- Western Transportation Institute (2)

www.westernstatesforum.org
WSRTC Pooled Fund update/discussion
WSRTC Meeting Coordination, Western States Forum Travel Support and Website Maintenance (Task Order 4)

- Start Date: 5/1/2013
- End Date: 10/31/2014
- Budget: $80,000
- WSRTC Meeting Facilitation and Attendance:
  - NRITS 2014 (if sufficient funds remain)
  - Other meetings via teleconference as needed.
- Western States Forum Support
- Website Content and Maintenance
- Estimated $10,000 remaining after June.
Rural Traveler Information (One Stop Shop)  
(Task Order 2)  

- Start Date: 10/1/2011  
- End Date: 9/30/2014  
- Budget: $150,000  
- A no-cost extension was granted, with the objective of covering the 2013-2014 bad weather season.  
- We will need another extension. This will cover the 2014-2015 bad weather season and will allow for expansion to cover additional states.  
- There will be approximately $110,000 remaining after June 2014.
WSRTC Pooled Fund

- Interest in renewal of Pooled Fund after expiration (June 30, 2016)
- Other Items for Discussion
Incubator Project Updates
Survey of Safety Warning Devices

• Agency contacts concluded
  – Occasional new systems pop up and contacts have been forwarded

• Approach was been successful
  – Good leads provided by steering comm., led to additional contacts via our interviews

• Contacts made with all states of interest
  – CA, OR, WA, NV, AK, ID, AZ, NM, MT, WY, CO, UT
Survey of Safety Warning Devices

- Ice/Weather warning (11)
- Animal warning (9)
- Curve Speed warning (21)
- Traffic/Queue warning (8)
- Variable Speed Limit (3)
- Wind warning (7)
- Runaway Truck Ramp (3)
- Flood warning (4)
- Visibility warning (6)
- Tunnel warning (2)
- Seismic warning (2)
- Other (8) [vehicle overlength detection, travel time, automated deicing]
Survey of Safety Warning Devices

- State totals:
  - Alaska – 0
  - Arizona - 5
  - California - 26
  - Colorado - 2
  - Idaho - 1
  - Montana - 3
  - Nevada - 2
  - New Mexico - 3
  - Oregon - 16
  - Utah - 5
  - Washington - 16
  - Wyoming - 7
Survey of Safety Warning Devices

• Status
  – Work completed, draft of report reviewed by steering comm., comments addressed
    • Additional systems occasionally added as identified or as new contacts provided
    • Report will be sent out to group and those who were interviewed with committee approval

• Comprehensive update of document recommended on a four year basis
Regional ICM Planning

- Establish guidance and criteria to initiate, plan and develop rural ICM plans
- Work to-date
  - Literature review
  - Document ICM Planning (urban) and Emergency Operations Center protocols
  - Develop rural ICM planning process
  - White paper project discussion and update of current status
  - Construct dataset
Regional ICM Planning

• Approach
  – GIS data for roads in varied formats
    • Base data for roads and traffic via HPMS
  – Field element data available
  – Identify and evaluate alternative routes in GIS
  – Summarize and report results
US 395
US 395
Regional ICM Planning

• These are the initial aspects of identifying routes
  – Additional data such as terrain (grades) and other restrictive features need to be
• Prospective routes identified by restrictions and added costs (longer travel times)
• Future traffic/flow data are not available in GIS formats that can readily transfer
  – Planning approach applies to present/recent conditions
Regional ICM Planning

Next Steps and Needs

1. Complete route analysis for the selected corridor(s) and document the overall process
   - Demonstrate how alternative routes can be identified and determined suitable for use in regional ICM deployments
   - Demonstrated process will not develop Con Ops or Requirements documents, interagency agreements or operations protocols

2. Final report and review/comment
Bluetooth Evaluation

• Bluetooth to be used for wait time estimation at chain-up area.
Bluetooth Evaluation

Tasks:

- Task 1: Project Management
- Task 2: Identify Sources for Bluetooth Receivers
- Task 3: Observe Conditions during Base Weather Season
- Task 4: Preliminary Algorithm Development
- Task 5: Identify Number and Locations for Bluetooth Receivers
- Task 6: Deploy Bluetooth Receivers
- Task 7: Verify Bluetooth Receiver Operation
- Task 8: Summary Document
General project discussions
Spin-Off Projects – On-Going

- **Professional Capacity Building (PCB) for Communication Systems**
  - Phase 3 Pending

- **Western States One Stop Shop for Rural Traveler Information**
  - Phase 2 in Progress
  - 10/1/2011 - 9/30/2014
  - Extension granted to cover 2013-2014 bad weather season.
  - Another extension needed.

- **WeatherShare**
  - Phase 3 Initiated
  - 7/3/2012 – 6/29/2014
  - Extension through December 2015 being processed.
Spin-Off Projects – On-Going

• Integration of Aviation AWOS with RWIS
  – Phase 3 Initiated
  – Extension through December 2015 Granted

• WeatherShare Integration with QuickMap
  – Pending
  – 3/17/2014 – 6/30/2017
Roundtable of Recent ITS Activities
Upcoming Steering Committee Meetings
Steering Comm. Mtg.

• Interest in meeting at upcoming National Rural ITS meeting?
  – Branson, Missouri - August 24-28
• Other ideas/interest for later meeting dates?
Other Discussions
Items

• Next meeting
• Action items
• Other
Wrap-up