

Western States Rural Transportation Consortium Meeting

June 12, 2012

Overview/Agenda

- Welcome / Introductions / Recent ITS Activities
- Western States Forum preview.
- WSRTC Pooled Fund update/discussion
- Incubator project updates
- General upcoming project discussion
- NRITS 2012 discussion/planning
- 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 12-14, 2012

Yreka, California

Holiday Inn Express

Presentations/Demonstrations

- **Caltrans District 2; Ian Turnbull, Jeremiah Pearce:** Field Element Network Design for a Rural Transportation Management Center
- **Southwest Research Institute; Lynne Randolph:** Travel Times Using Bluetooth
- **WTI; Doug Galarus, Dan Richter:** Technical Development of the Western States One Stop Shop for Rural Traveler Information
- **Nevada DOT; Mark Aragon, Jon Dickinson:** Mobile ITS Hotspot Trailers, an Evolving Technology
- **Oregon State University; David Kim, J. David Porter, Mario Magaña, Amirali Saeedi, SeJoon Park:** Using Wireless Data Collection Units as Point Detection Systems
- **California Highway Patrol; John Batarseh, Brian Guthrie:** California Highway Patrol Rapid Response Vehicle

Schedule of Events

Tuesday, June 12th

- 4:00 pm Registration
- 5:00 pm Reception
- 6:30 pm Dinner, Networking

Wednesday, June 13th

- 8:00 am – 5:30 pm Technical Program
- 6:00 pm Social, Networking

Thursday, June 14th

- 8:00 am – 11:45 am Technical Program
- 11:45 am Lunch

Discussion

- 7th Annual Western States Forum
- 34 participants (5 have been to all 7, another 2 have attended 6, 14 1st time attendees)
- 7 states (CA, ID, MT, NV, OR, TX, WA)
- 5 state DOTs (CA, ID, NV, OR, WA)
- California – DRI, HQ, Districts 1, 2, 3, 6, 9, 10; CHP
- www.westernstatesforum.org

WSRTC Pooled Fund update/discussion

WSRTC Meeting Coordination, Western States Forum Travel Support and Website Maintenance (Task Order 3)

- Start Date: 4/1/2012
- End Date: 4/30/2012
- WSRTC Meeting Facilitation and Attendance:
 - WSRTTIF: June, 2012
 - NRITS: September, 2012
 - (TBD/optional) Yreka or other: February, 2013
- Western States Forum Support
- Website Content and Maintenance

WSRTC Pooled Fund

- Other Items for Discussion

Incubator Project Updates

Survey of Safety Warning Devices

- Synthesis of existing safety warning devices in the western U.S.
 - Identify location of existing deployments, their function/purpose, and other info
- Questions that have been developed cover items of interest to Consortium, but require extensive time to complete
 - Ex – 8 systems, 1 hr 20 min to complete

Survey of Safety Warning Devices

- Any feel for the number of systems per district/urban area/etc.?
- What is a reasonable time commitment?
- Cannot expect extensive commitment from contacts
 - Possible that shorter time required when done via telephone interview
 - Some contacts may have fewer systems = lower time commitment

Survey of Safety Warning Devices

- Current questions
 - System name/type
 - How long has/was the system been deployed (years)? Please list the approximate date (month/year) for the deployment/site if known. *(Could remove second sentence based on following question.)*
 - Is the system active or inactive? If inactive, please list the approximate date it was removed.
 - Please provide the individual location of each system using your agency's identification method (e.g., county, route, milepost).
 - Is the deployment located along a high (45 mph+) or low (> 45 mph) speed roadway facility and is the highway divided or undivided? *(Check boxes added to expedite response.)*

Survey of Safety Warning Devices

- Current questions cont'd
 - What is the intended purpose of each system (i.e., what problem is it targeting)? Please briefly describe. *(Can we remove/combine this question with the following one?)*
 - Please provide a general description of how the system works (2-3 sentences). Also, please indicate in general terms the types of components that make up the system and how they work to provide the specific warning. *(Should the second sentence be a separate question/field?)*
 - How effective has the system been in meeting its intended purpose? This can include any general observations as well as specific, data-driven evaluations. Have any formal evaluations of the system been completed? Are the results available in a report or other documentation (If so, could you please provide it or its location)? *(Is the first sentence sufficient?)*

Survey of Safety Warning Devices

- Current questions cont'd
 - Would your agency deploy this type of system again if the need arose? Why or why not? Would the same components be used again? If no, why not?
 - Are there improvements or changes that could be made to the system? *(Is this sufficiently covered by the prior questions?)*
- Multiple sheets/tables are used to collect info on separate systems
 - Any ideas on other ways to collect separate system info in a more concise manner?

Survey of Safety Warning Devices

- Options
 - Proceed with existing survey and conduct via telephone and email (participant's choice)
 - Does not address time issue per se
 - Scale back the survey/refine questions, pursue responses via phone/email
 - Removed or combine questions based on our discussions
 - Add additional option such as SurveyMonkey
 - May make response easier and allows for completion over multiple sessions
 - Other ideas?

Survey of Safety Warning Devices

- Up-coming work
 - Data collection via telephone, email, other
 - Summarize survey responses/information as it is received
 - Report

Regional ICM Planning

- Establish guidance and criteria to initiate, plan and develop rural ICM plans
 - Define what rural ICM is and establish factors to consider
- Apply results of USDOT Integrated Corridor Management initiative to the rural environment

Regional ICM Planning

- Work to-date
 - Literature review updated
 - Planning protocols
 - Review and summary in progress, with adaptations being identified to meet rural
 - Documenting Emergency Operations Center protocols
 - Obtaining and reviewing documents for transferability

Regional ICM Planning

- Upcoming work
 - Develop rural ICM planning process
 - Route inventory
 - Apply developed process
 - Report

General upcoming (and current) project discussions

Automated Safety Warning Controller (Phase 2 in Progress)

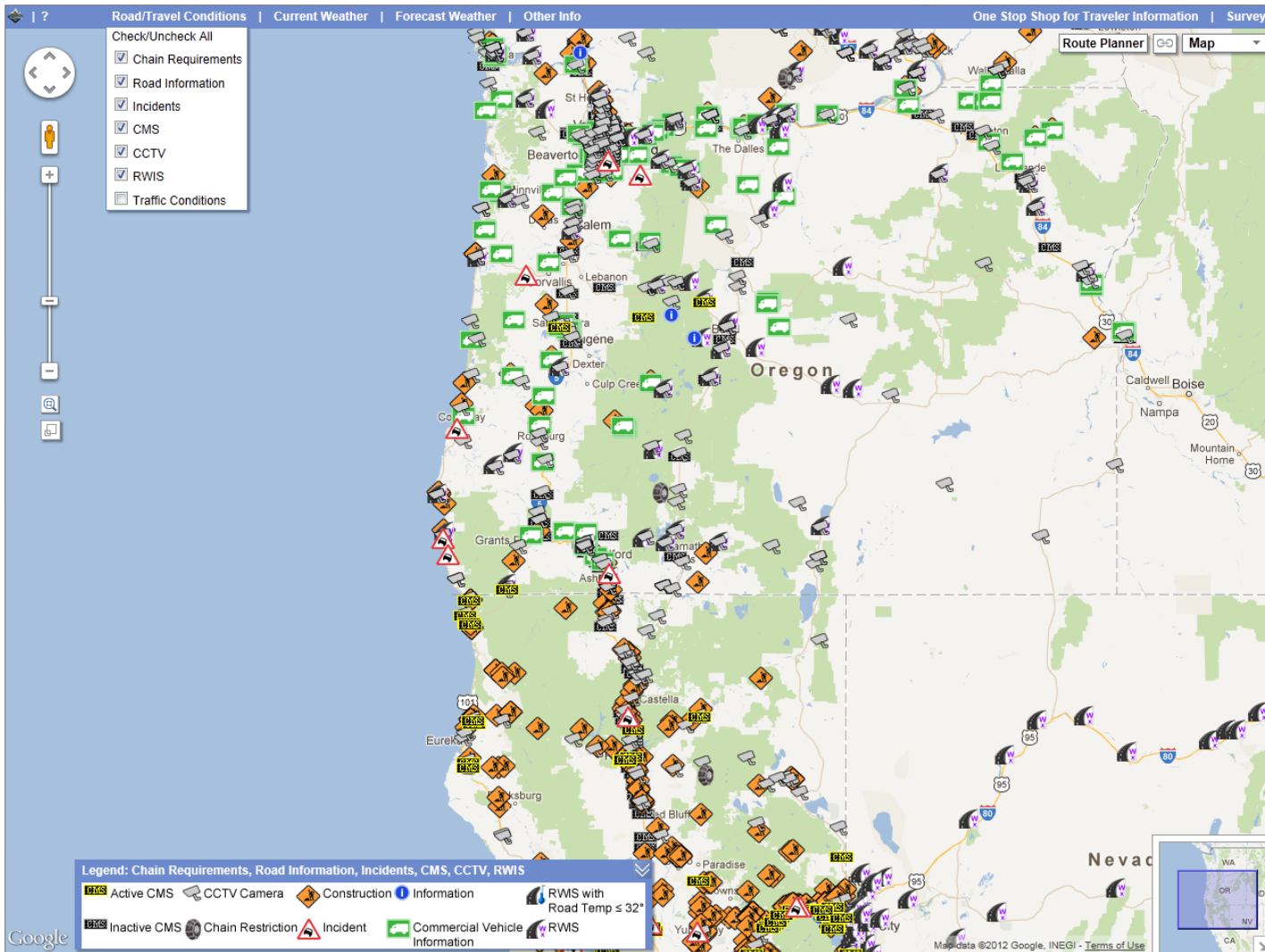


Professional Capacity Building (PCB) for Communication Systems

(Phase 2 in Progress)



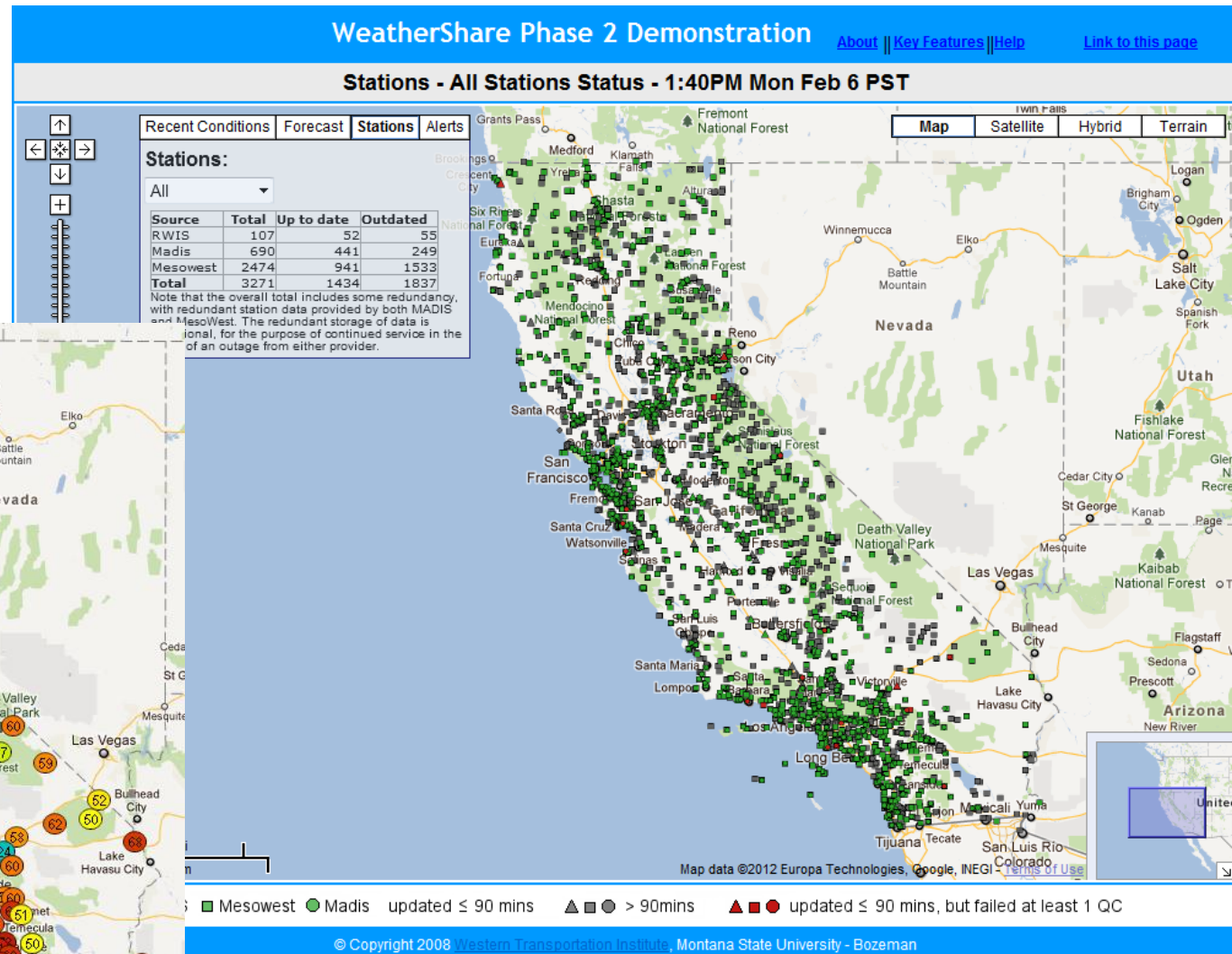
Western States One Stop Shop for Rural Traveler Information (Phase 2 in Progress)



<http://oss.weathershare.org/>

WeatherShare: <http://www.weathershare.org/>

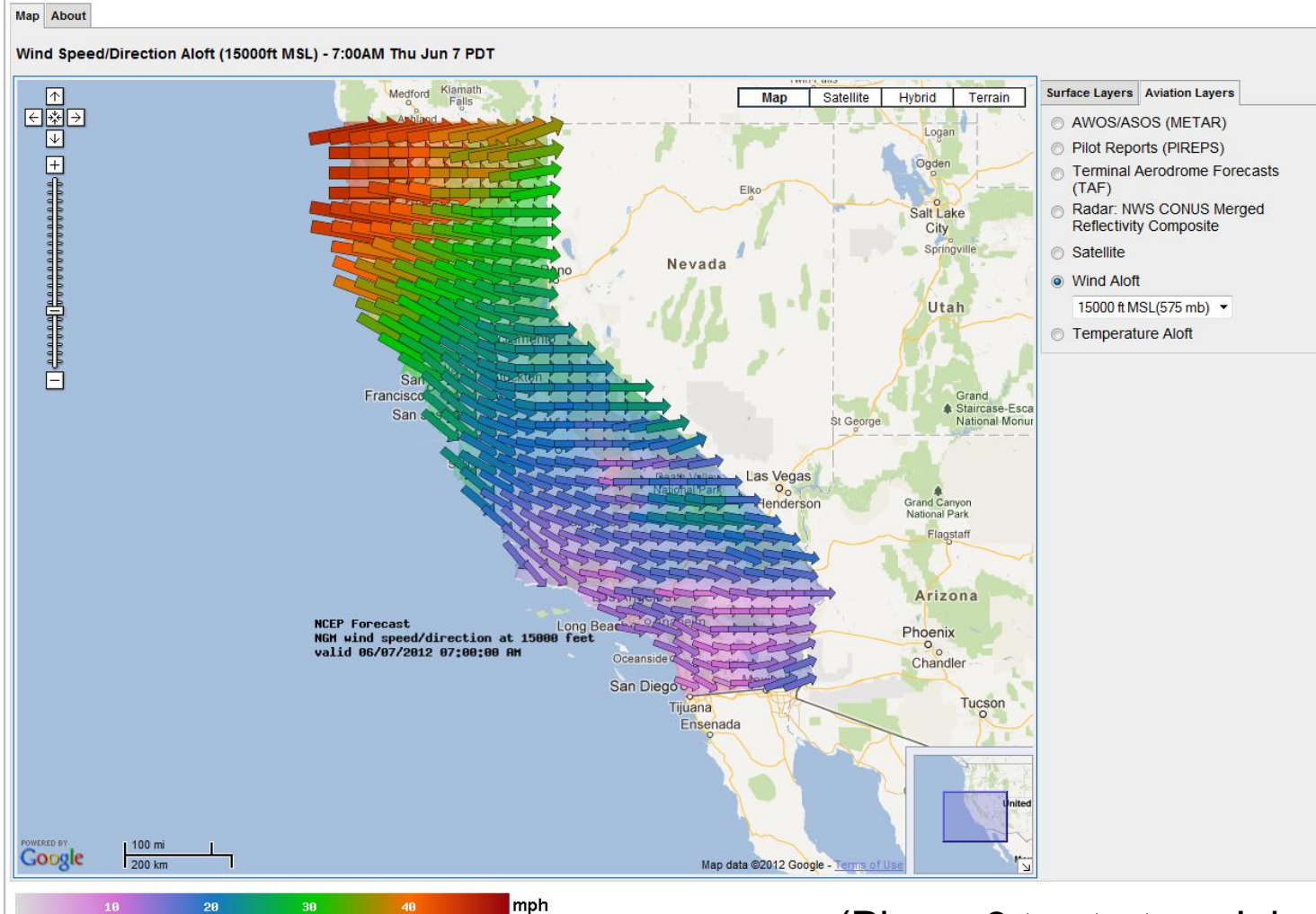
(Phase 3 to start on
July 1st, 2012...)



Integration of Aviation AWOS with RWIS

<http://aviation.weathershare.org/>

Integration of Aviation Automated Weather Observation Systems(AWOS) with Roadside Weather Information System(RWIS) Demonstration



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(Phase 3 to start on July 1st, 2012...)



MONTANA
STATE UNIVERSITY

College of
ENGINEERING

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Western Transportation Institute

Redding Responder (Phase 3 to start on July 1st, 2012...)

Responder Incident Organizer

Redding Responder Incident Organizer

Summary | Mapping | Photos | Weather | Sketches | Messaging | ☐ Incident Closed

Responder Summary:

Organization: Date:

District: Time:

Observer:

Description:

Rockslide 1.5 miles west of Pulga. Includes more than 200 yards of material including some weighing well over 200 tons.

Facility:

Incident Type:

Location:

Latitude: Longitude:

Road / Address:

Mile Marker / Landmark:

City:

County: State:

Responder Incident Organizer

Redding Responder Incident Organizer


Summary | Mapping | Photos | Weather | Sketches | Messaging |

sketch 1 | sketch 2 | **sketch 3** | sketch 4 | sketch 5 | sketch 6 | sketch 7 | sketch 8 | sketch 9

Description:

Pen Color:

☒ email



Maps and Location Data Set to Current Location



NRITS 2012 discussion and planning

NRITS 2012

- September 16-19, 2012, Biloxi, Mississippi
- Attendance plans
- Do we want to do a WSRTC meeting (and conference call)?
- Informal get-together/discussion by attendees?

Roundtable of Recent ITS Activities

Other Discussion

Items

- Next meeting
- Action items

Wrap-up