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/

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

Summary | Mapping | Photos | Weather | Sketches | Messaging

Responder Summary:
- Organization: Caltrans
- District: 7
- Observer: Responder

Date: 2/26/2004
Time: 08:35 AM

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

Facility: Lane blocked
Incident Type: Rockslide/ Mudslide

Location:
- North/South GPS: 39.77621
- East/West GPS: -121.45579
- Road/Address: SR-70, Oroville, CA 95965
- Mile Marker/Landmark: BUT 70 39.52
- City:
- County: Butte
- State: California

Maps and Location Data Set to Current Location

Redding Responder Incident Organizer

Summary | Mapping | Photos | Weather | Sketches | Messaging

Add Blank Sketch | Remove Sketch | Erase Ink | Undo Last

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

Description: Relative size of slide

Pen Color: Red

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