

# Western States Rural Transportation Consortium Meeting

June 18, 2013

# 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

# Western States Rural Transportation Technology Implementers Forum

June 18-20, 2013

Yreka, California

Holiday Inn Express



## Presentations/Demonstrations

- **Caltrans District 2, Keith Koeppen:** CCTV Image Relay
- **Nevada Department of Transportation, Israel Anthony Lopez:** Design and Implementation of Video for Rural ITS – Nevada Department of Transportation
- **Caltrans District 9, Phil Graham:** Automated Wind Warning System – Caltrans District 9
- **Caltrans, Headquarters Division of Traffic Operations, Martha Styer:** Bike Detection in California
- **Oregon Department of Transportation, Doug Spencer:** Procuring the Advanced Transportation Controller (ATC) for the Oregon Dept. of Transportation and the State of the National Standards



## Presentations/Demonstrations

- **Western Transportation Institute, Doug Galarus:** Field Element Data Quality Control from the Perspective of Data Redistribution
- **Nevada Department of Transportation, Jim Whalen:** Design and Implementation of Nevada DOT's Wireless Point to Point and 3G/4G Rural Networks
- **Idaho Transportation Department, Dennis Jensen:** Winter Performance Measures – Idaho Transportation Department
- **Yegor Malinovskiy, Yinhai Wang, University of Washington; Ron Vessey, Washington State Department of Transportation:** Error Assessment for Emerging Traffic Data Collection Devices



## Schedule of Events

Tuesday, June 18<sup>th</sup>

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

Wednesday, June 19<sup>th</sup>

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

Thursday, June 20<sup>th</sup>

- 7:45 am – 1:00 pm Technical Program
- 1:00 pm Lunch



# Discussion

- 8<sup>th</sup> Annual Western States Forum
- 48 participants (4 have been to all 8, another 2 have attended 7, 25 1<sup>st</sup> time attendees)
- 6 states and state DOTs (CA, ID, MT, NV, OR, WA)
- California – DRISI, HQ, all Districts but 11 & 12, CHP
- FHWA, 3 universities (UC Davis, UW, MSU)
- [www.westernstatesforum.org](http://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
- WSRTC Meeting Facilitation and Attendance:
  - WSRTTIF (and Steering Comm. mtg.): June, 2013
  - NRITS: August, 2013
  - Northwest Transportation Conference 2014
  - NRITS 2014 (if sufficient funds remain)
  - Other meetings via teleconference as needed.
- Western States Forum Support
- Website Content and Maintenance

# Rural Traveler Information (One Stop Shop) (Task Order 2)

- Start Date: 10/1/2011
- End Date: 9/30/2014
- A no-cost extension was granted, with the objective of covering the 2013-2014 bad weather season.

# WSRTC Pooled Fund

- Other Items for Discussion

# Incubator Project Updates

# Survey of Safety Warning Devices

- Agency contacts via telephone continuing
  - A bit more difficult now that we're in construction season
- Approach has been successful in most cases
  - Some states a challenge in terms of leads

# Survey of Safety Warning Devices

- Status – survey contacts are on-going
  - Discussion of each system generally takes 5-7 minutes
- Contacts to date – CA, OR, WA, NV, ID, AZ, NM, MT, WY, CO
  - Initial contacts with AK and UT

# Survey of Safety Warning Devices

- Systems identified/documentated:
  - Ice/Weather warning (6)
  - Animal warning (8)
  - Curve Speed warning (15)
  - Traffic/Queue warning (5)
  - Variable Speed Limit (3)
  - Wind warning (7)
  - Runaway Truck Ramp (6)
  - Flood warning (2)
  - Visibility warning (3)
  - Tunnel warning (2)
  - Seismic warning (2)
  - Other (5) [vehicle overlength detection, travel time, automated deicing]



# Survey of Safety Warning Devices

- On-going work
  - Data collection and summary of responses/ information as it is received
- If anyone has contacts (names/numbers/emails) please pass along
- Slated for presentation at NRITS – work wrapped up by beginning of August
  - If anyone attending NRITS is interested in being added as a presenter, please let David know

# Regional ICM Planning

- Establish guidance and criteria to initiate, plan and develop rural ICM plans
- Work to-date
  - Literature review
  - ICM Planning protocols (urban)
  - Emergency Operations Center protocols
    - Still need Nevada (Tom, update on this?)
  - Develop rural ICM planning process
  - White paper project discussion and update of current status

# Regional ICM Planning

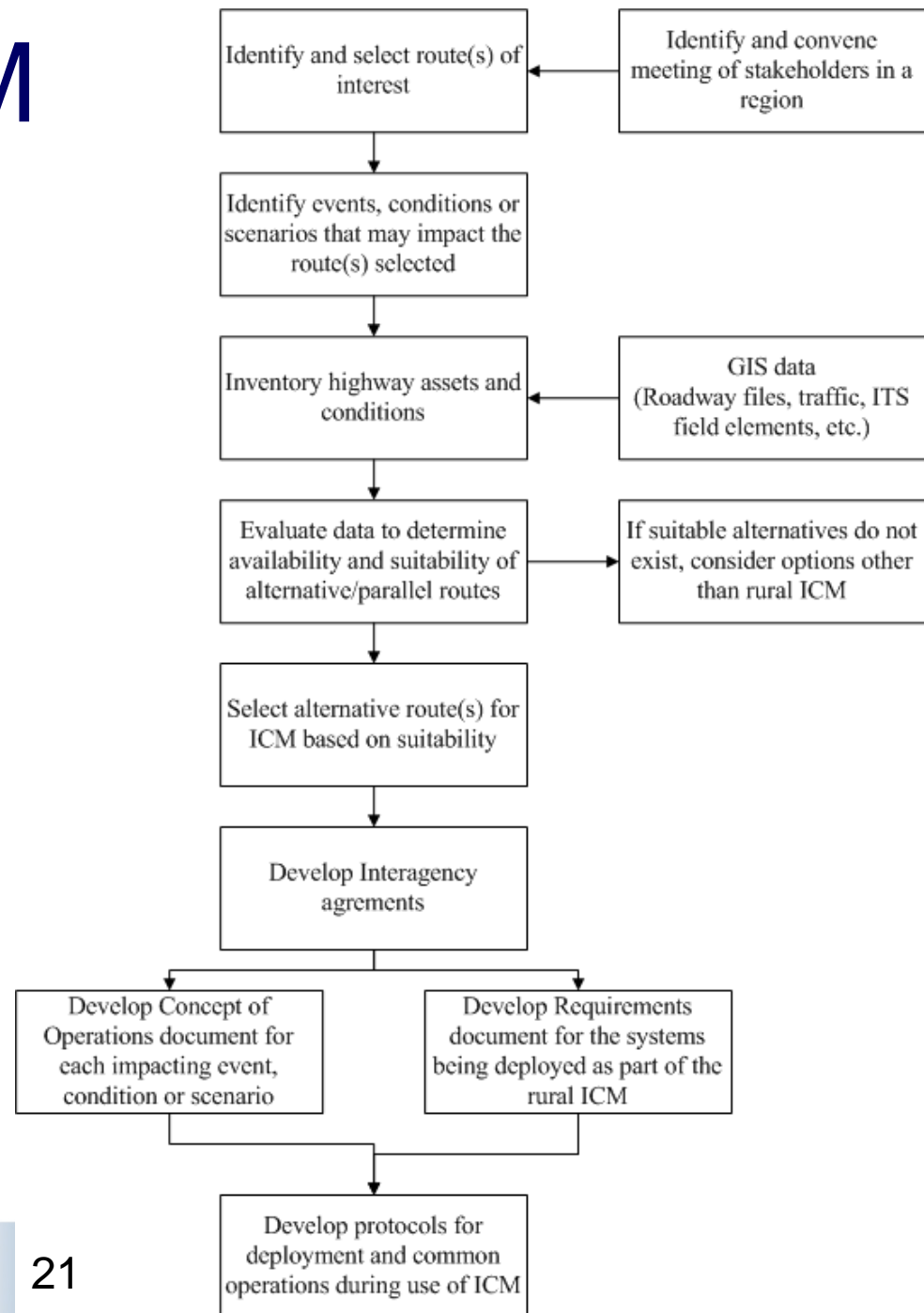
- Literature review – primary focus to date has been on urban applications
- USDOT ICM approach - not yet adequately defined in any document
- EOC Plans/Protocols – framework to support decision-making and operations for rural ICM exists
  - Still a need to develop coordinated set of protocols and interagency agreements to facilitate multi-state ICM

# Regional ICM Planning

- Definition of regional ICM
  - Regional Integrated Corridor Management is defined as the coordination of highway facilities across state and jurisdictional boundaries in a seamless manner to enable an interconnected system for long-distance cross-network travel in response to extended-duration events.
    - Note that true ICM is multimodal, but no alternate modes exist in a fashion across a region that can serve as seamless alternatives
      - Highways are the only viable option

# Regional ICM Planning

- Proposed planning approach



# Regional ICM Planning

- Next Steps and Needs

1. Review and comment on overall planning process/concept discussed
2. Refinement of the proposed planning process to address feedback and comment
3. Steering committee identification of one or two major routes in the WSRTC area that can serve as demonstration corridors
  - Identify potential impacting events, conditions or scenarios
4. Proceed with route inventory for the selected corridor(s) and demonstrate the process at a high level
  - Use of GIS analysis to 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
5. Final report

# General project discussions

# Spin-Off Projects – On-Going

- Automated Safety Warning Controller
  - Phase 2 just completed
  - 4/10/2012 - 3/14/2013
- Professional Capacity Building (PCB) for Communication Systems
  - Phase 2 in Progress
  - IP Networking Course scheduled for September 2013
  - 6/29/2011 – 10/31/2013
- 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.



# Spin-Off Projects - Upcoming

- WeatherShare
  - Phase 3 Initiated
  - 7/3/2012 – 6/29/2014
  - Extension through 2015 Anticipated
- Integration of Aviation AWOS with RWIS
  - Phase 3 Initiated
  - 7/3/2012 – 6/29/2014
  - Extension through 2015 Anticipated
- WeatherShare Integration with QuickMap
  - Pending
  - 7/1/2013 – 6/30/2018

# Roundtable of Recent ITS Activities

# Upcoming Steering Committee Meetings

# Steering Comm. Mtg.

- Interest in meeting at upcoming National Rural ITS meeting?
  - St. Cloud, Minnesota - August 25-28
- Options:
  - Wednesday, August 28, in afternoon
  - Monday, August 26, in morning (during ITS vendor displays)
  - Other preferences/ideas?

# Other Discussions

# Items

- Next meeting
- Action items
- Other

# Wrap-up