



# WINTER OPERATIONS COALITION

# I-80 Coalition Webinar

March 22, 2012





# Administrative Items

- Conference call information for audio accessibility:
  - Number: 866-726-6516
  - Passcode: 6029061359#
- This webinar is a live conference call – please mute your line when you are not planning to talk to minimize background noise
  - To mute your line press \*6, to un-mute press #6
  - This information will show at the bottom of each slide as a reminder





## Webinar Agenda

- Welcome and Roll Call
- Update on UDOT Traffic Smartphone Application for iPhone and Android Markets
- Results of IMO/NCAR Project
- RWIS Strategic Plan Discussion
- Recap of Winter 2012 – Around the Coalition
- Fall Workshop
- Coalition Moving Forward – Next Steps
- Wrap-up



# Welcome and Roll Call

## I-80 Coalition Partners: Facilitators:

- Caltrans
- Nevada DOT
- Utah DOT
- Wyoming DOT
- Nebraska DOR
- Lisa Burgess – Kimley-Horn
- Deanna Haase – Kimley-Horn
- Molly O'Brien – Kimley-Horn
- Ralph Patterson – Narwhal Met



## Recent Activities

- Multi-State Corridor Grant Application Update
  - FHWA \$7 Million to be awarded to support multi-state corridor operations
  - Grant submitted January 2012
  - FHWA is reviewing grant applications
- I-80 Coalition now a member of NTOC





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# UDOT Traffic Smartphone Application





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## IMO/NCAR Project - Objectives

- IMO: Multimodal initiative to enable wireless communications among vehicles, the infrastructure, and passengers personal communication devices
- Promote safety, mobility, and productivity through the advancement of road weather research
- Demonstrate how weather, road conditions, and vehicle data can be integrated and used as a decision support tool



## IMO/NCAR Project - Details

- NDOT supplied 19 vehicles along I-80 Corridor in a joint venture with UNR
  - Snowplows
  - Light duty fleet vehicles
- 1 KB transmission every 10 min
  - Cell coverage not always reliable
  - Used state radio system (800 MHz Enhanced Digital Access Communications System)



## IMO/NCAR Project - Outcomes

- Allow real-time mobile data information to be exchanged with DOT staff and traveler information systems
- Measure efficiency gains
- Working on final report





## Next Steps

- FHWA will be moving forward with a Phase II IMO/NCAR project
- Discuss opportunities to partner with other Coalition partners to establish a plan for implementing along I-80 Corridor across multiple states



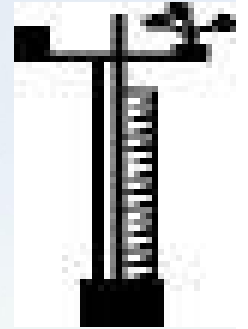
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## RWIS-ESS Strategic Plan

- Analyze current system
- Develop 5 year Deployment Plan
- Develop a Data Collection and Dissemination Plan
- Structure a formal Preventive Maintenance Program
- Training/Education







# System Analysis/5 Year Rolling Plans

- Analyze the current System
  - Full Meta Data
  - Use Analysis
  - Benefit/Cost
- System Upgrade
  - Fixes (NO duct tape)
  - Component Upgrade
- Deployment Plan
  - ITS, Maintenance, TMC/EOC, Meteorologists
  - Site Analysis
- Preventative Maintenance
  - Benefit vs. Cost
  - Schedules





## Information Collection/Dissemination

- Define Targets
  - Operations
  - Commercial Users
  - Commuters
- Define Level of Openness
  - Full Access to RWIS-ESS
  - Limited Access
- 1201 Rule
- Consistent TI Messaging



LOW VISIBILITY  
SLIPPERY ROADS  
AT MP 139





## Training

- TMC/EOC Operations
- Maintenance Personnel
- NOAA/NWS

## Educate

- Public
- Partners







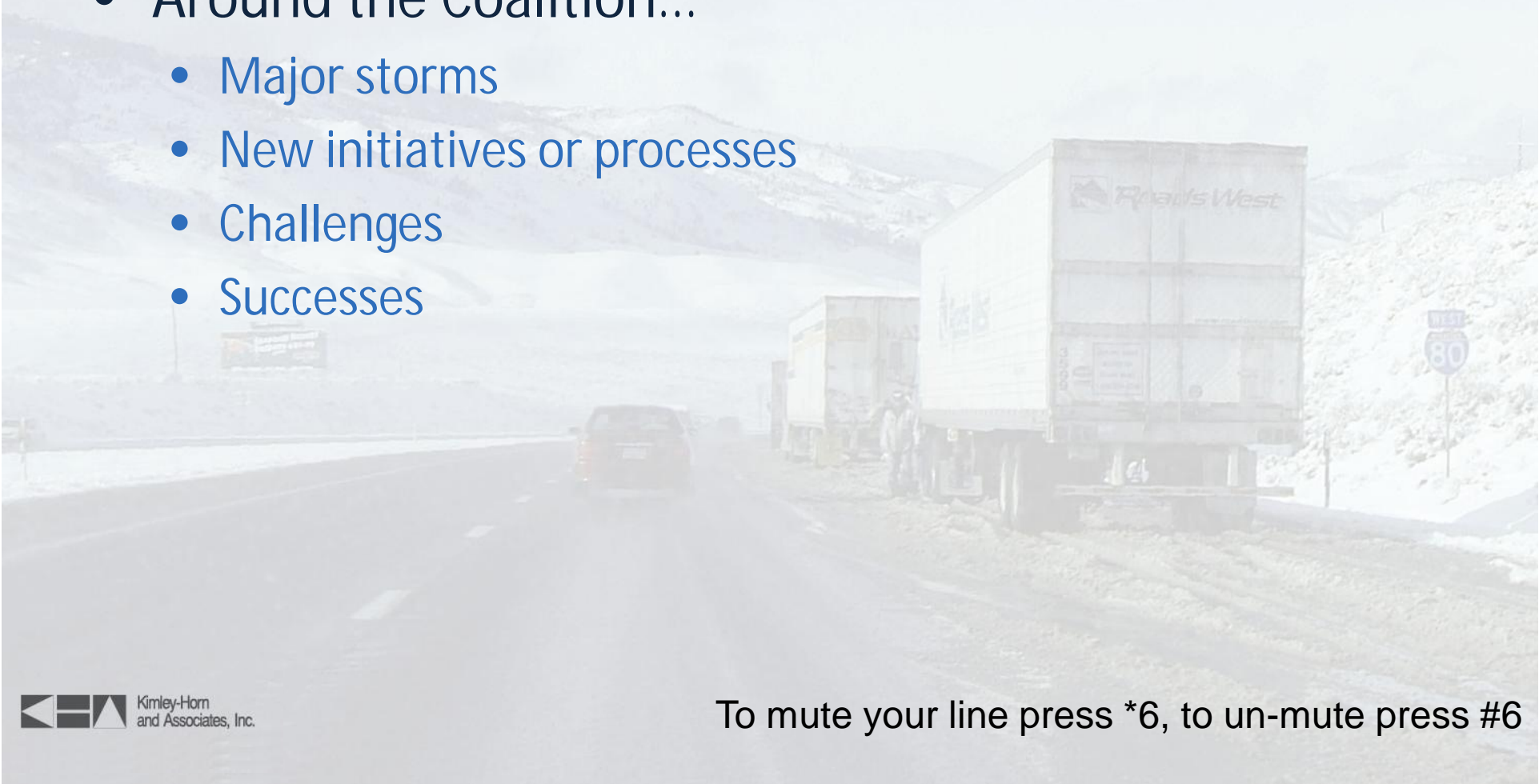
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## Winter 2011/2012 Recap

- Around the Coalition...
  - Major storms
  - New initiatives or processes
  - Challenges
  - Successes





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## Fall Workshop

- Reno, Nevada
- Similar format to last year
  - Tuesday 3/4 day
  - Wednesday 3/4 day
- More details to come in the next few months
  - Look for e-mails to check for your availability



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# Coalition Moving Forward – Next Steps

- RWIS Plan
- Task Force Regroups
  - Weather
  - Freight
  - TMC Communications
- Fall Meeting Planning





## Wrap Up and Next Steps

- Task Force Activities
- Fall Workshop





# WINTER OPERATIONS COALITION

# THANK YOU FOR YOUR PARTICIPATION!

