UDOT Winter Report

Fall 2010

What's New?

- Tow Plow
- Spreader Calibration
- Salt Slurry
- Prewetting Salt
- Road Condition Cameras
- Variable Message Agreement with Highway Patrol
- Traveler Information Manager
- Amber Alerts in Neighboring States
- Public Website Forecast Page

Tow Plow

UDOT Has Four Tow Plows

Two Units deployed on I-80

Cost/Economies

Tow Plow - $105,000

Upgrade to truck - $40,000

It plows 2-1/2 lanes with one truck and one
operator

Costs

Operating cost is $165/hr
(includes fixed costs, operator, fuel, repairs)

Standard truck is $121/hr
(includes fixed costs, operator, fuel, repairs)

Benefit Cost ratio is 1.8

Spreader Calibration

- Why?

What has it done for us?

- Stations that calibrated their spreaders reported using **8 to 14% less** salt and grit
- Several crews reported that they didn't have to make as many runs to get the same results

Salt Slurry

- Put out sloppy wet salt
- One of our stations had some salt get wet
- They had to use what they had
- It worked well
- Apply it in a windrow near the crown of the road

UDOT is Promoting Prewetting

Prewet all solids put on the road

Material won't scatter

Less salt in the snow windrow

Salt starts working faster

You'll save 20 to 40% in material costs

Road Condition Cameras

- Differ from traditional RWIS or Traffic cameras
- Supervisor can monitor road condition via internet connection
- 19 cameras in service
- 15 additional cameras this year

Road Condition Camera Demonstration

- Vendor is LiveView Technologies
- http://www.liveviewtech.com/udot/

Weather

- UDOT Road Weather Forecasts

  You can download these at

  http://www.commuterlink.utah.gov/ForecastView

Ralph

NWS/UDOT Joint Conference
Oct 25, 2010 (WFO) and Nov 8, 2010 (TOC)
(1pm-3pm)

- Opening Remarks, Management's Expectations – 15min (LD/RP)

- Overview of UDOT's Weather Operations Program - 15min (RP or JW)

- Surface Transportation Reference Page, a Forecasters Tool- 15min (GM)

- UDOT's New Red/Yellow/Green Forecast, and a Transition to Impact Based Products at SLC WFO- 35min (LPJ/GM)

- Communicating a Shared Message-   20min (GM)
    - Increasing collaboration- an attempt to mirror UDOT RYG map w/NWS SLC headlines
        - Use of Chat, Phone consults, Teleconferences, and Go To Meeting (test)
        - Overview of Road Weather Impacts
        - Phenomena Based Warnings for High Impact Road Weather events (forecaster discretion)
        - Phenomena Based Advisories for Intermittent Road Weather hazards (forecaster discretion)
        - Use of Special Statements, News Releases, and Media Involvement

- Discussion Period- 20min (Group)

- St. George

Current Forecast Next 6 Hour Forecast Next 12 hour Forecast

Map | Hybrid | **Terrain**

State Travel Info

- Rest Areas
- Seasonal Road Closures
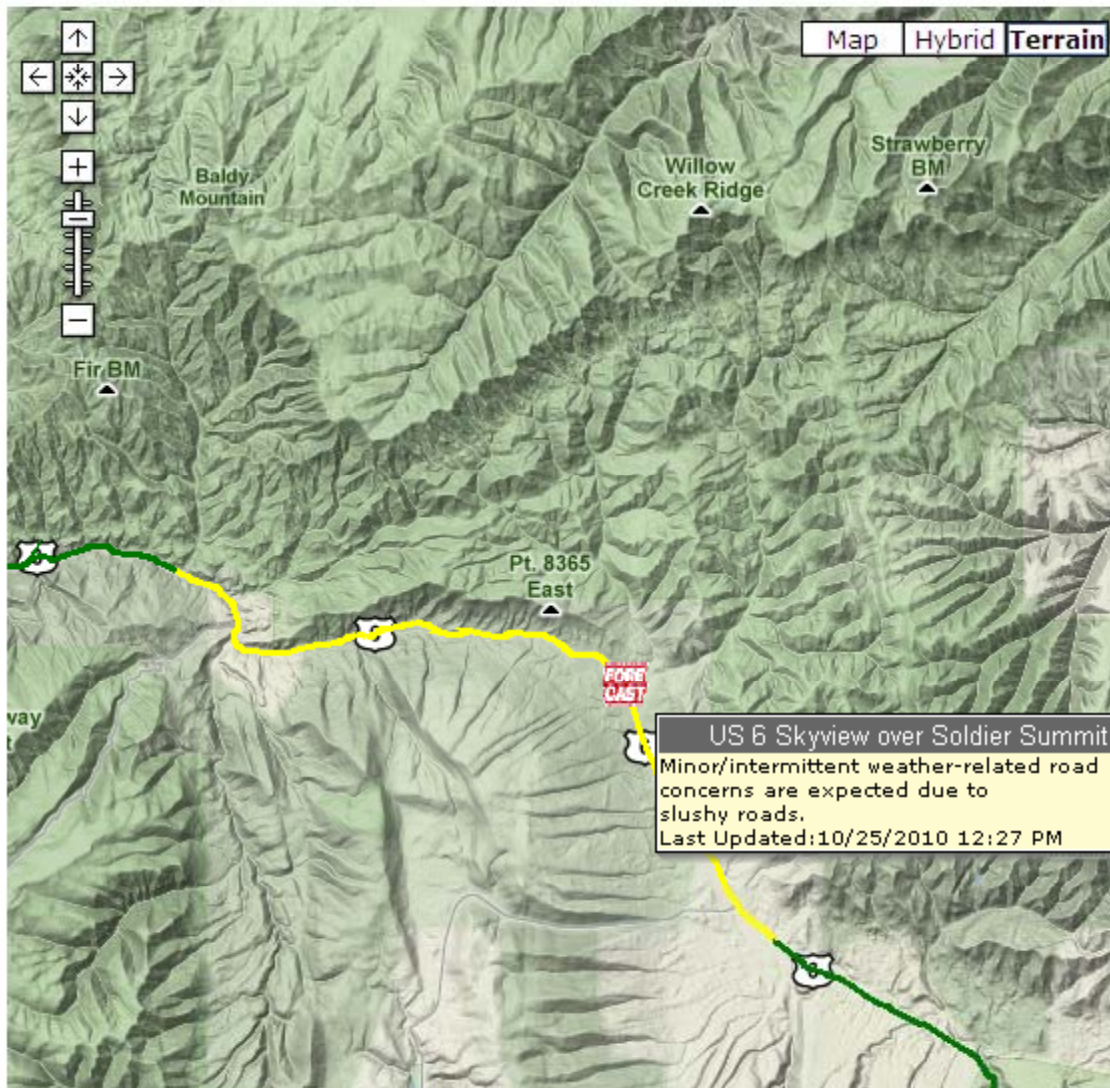- Scenic Byways
- Winter Driving Tips

Additional Info

- Emergency Alerts
- Road Conditions Alerts
- Utah Air Quality Alerts
- CommuterLink FAQs
- Contact Us
- Construction Alerts
- Planned Special Event Alerts
- Report Traffic Signal Problems
- Utah Fire Info
- Utah Department of Transportation
- Disclaimer

Neighboring States

- Arizona
- Colorado
- Idaho
- Nevada

Baldy Mountain

Willow Creek Ridge

Strawberry BM

Fir BM

Pt. 8365 East

FORE CAST

US 6 Skyview over Soldier Summit
Minor/intermittent weather-related road concerns are expected due to slushy roads.
Last Updated:10/25/2010 12:27 PM

commuterlin

Sandy

Incidents

Signal in Flash m
Direction: All Dir
Medium (5-15 n
Estimated Durati
Details: All lanes
Last Updated: 1

**Lane Closure - S
S**
Direction: Southb
Low (less than 5
Lanes Impacted
Estimated Durati
Details: Right la
Last Updated: 1

Accident - SR 20
Direction: Eastbo
Low (less than 5
Estimated Durati
Details: 1 motor
department, Tow

National Weathe

This Afte

Glenn

Traveler Information Manager

- Hired to develop a program
- Does operations, but looks for the big picture
- We chose a meteorologist
- Helps with Forecast Page

VMS Agreement with UHP

- Conflict happened over VMS messages
- We needed to build understanding
- Designed process to help build trust

Amber Alerts Outside Utah

- Idaho has a VMS 20 miles inside Utah
- The sign is inside the Utah 511 area
- Idaho Amber Alerts show up on the sign – and reference 511
- Need coordination to make sure there is a 511 message to support the sign

Questions