

Providing Local Road Closure Information to Navigation Companies

NWP Ops Task Force
June 12, 2024



**Road Closed
Your GPS
Is WRONG**

Agenda

The Problem

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The Problem



Photo credit: Kandis Fritz

Oops! Wayward Trucker Gets Stuck Attempting Shortcut Through Wyoming's Big Horn Mountains

An 18-wheeler got jacked up on a scraggly dirt road high up in the national forest of the Big Horn Mountains in northern Wyoming. The trucker said he was following his GPS.



Jake Nichols

May 16, 2023 • 5 min read



Experts Towing handles a tricky extraction in Crazy Woman Canyon in this composite image showing the stuck truck from opposite angles. It wasn't the first, nor last. (Composite Photo Courtesy Experts Towing)



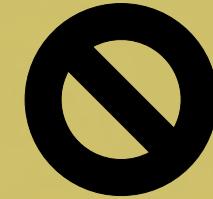
The Problem



Unsuitable
Alternate
Routes



Increased
Motorist
Assists



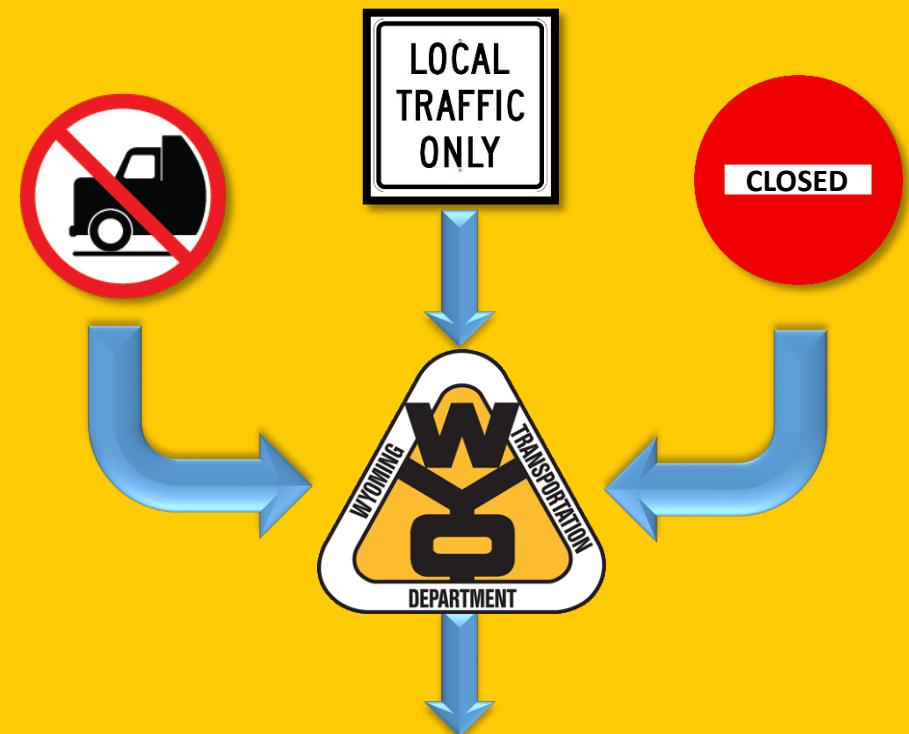
Distraction
From Normal
Duties



Safety of Life
Issue

The Solution

Wyoming Counties



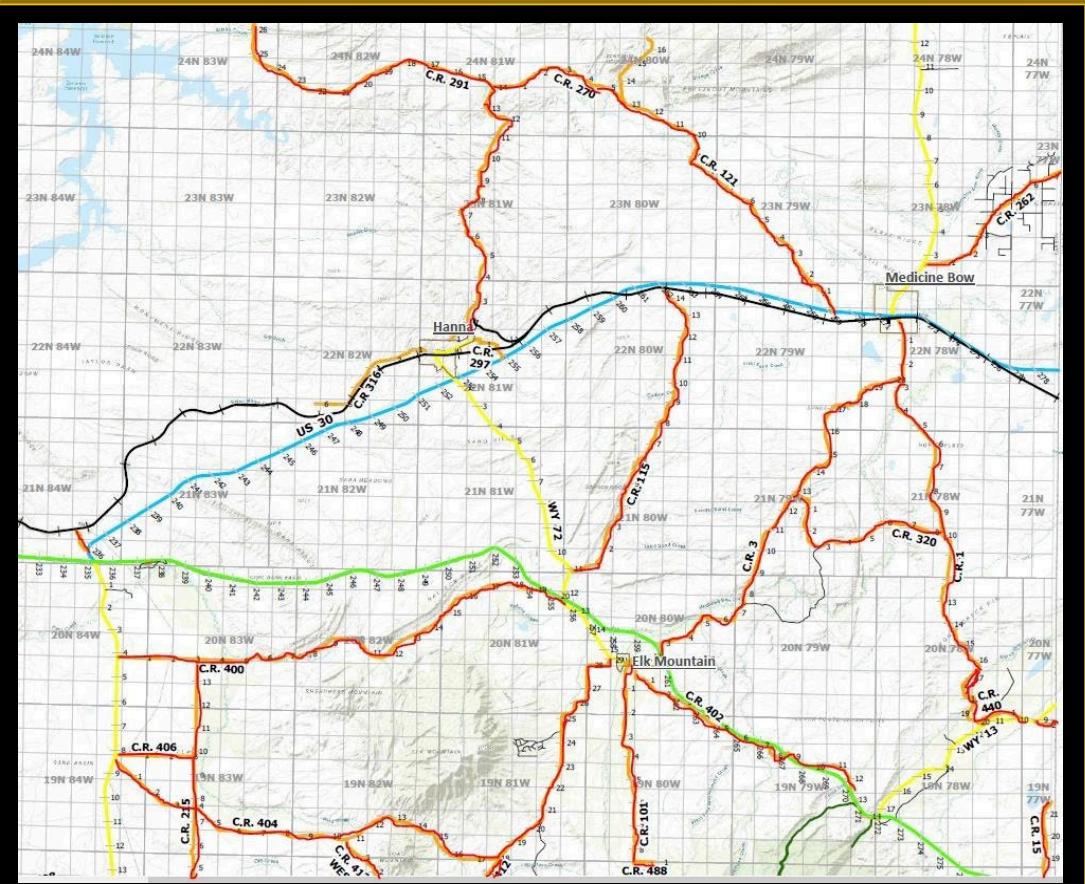
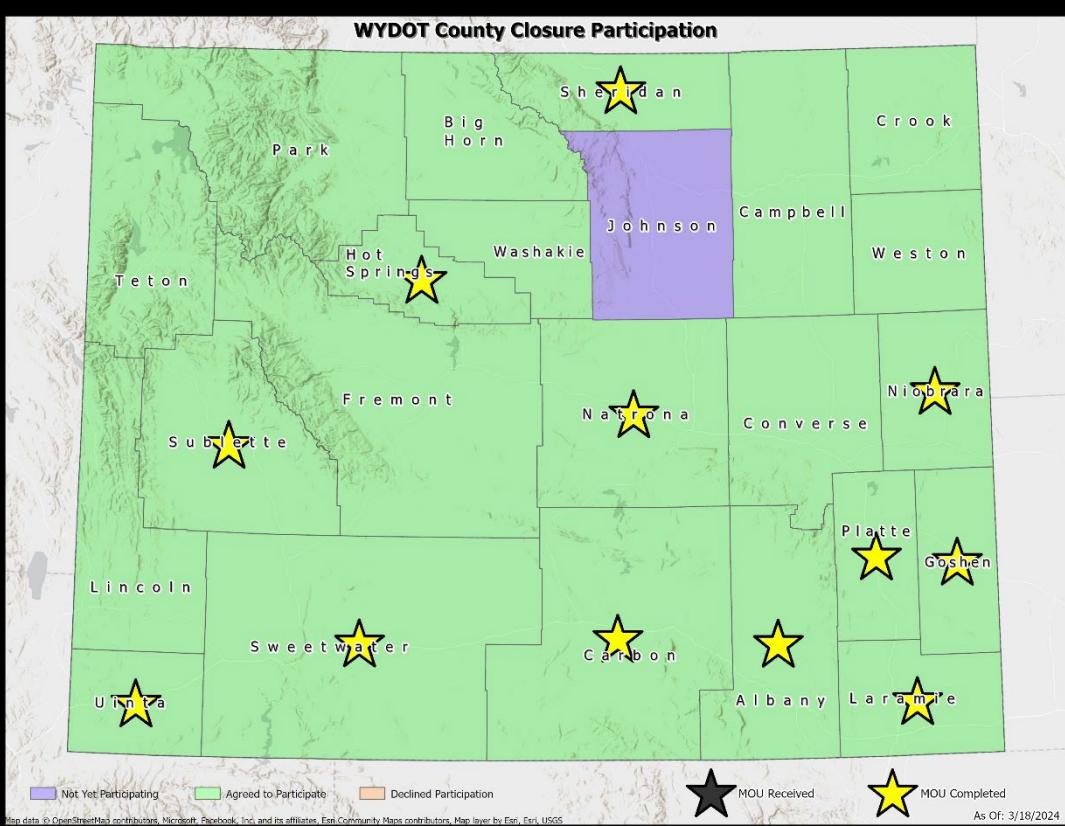
Centralized Data feed



Photo credit: Kandis Fritz

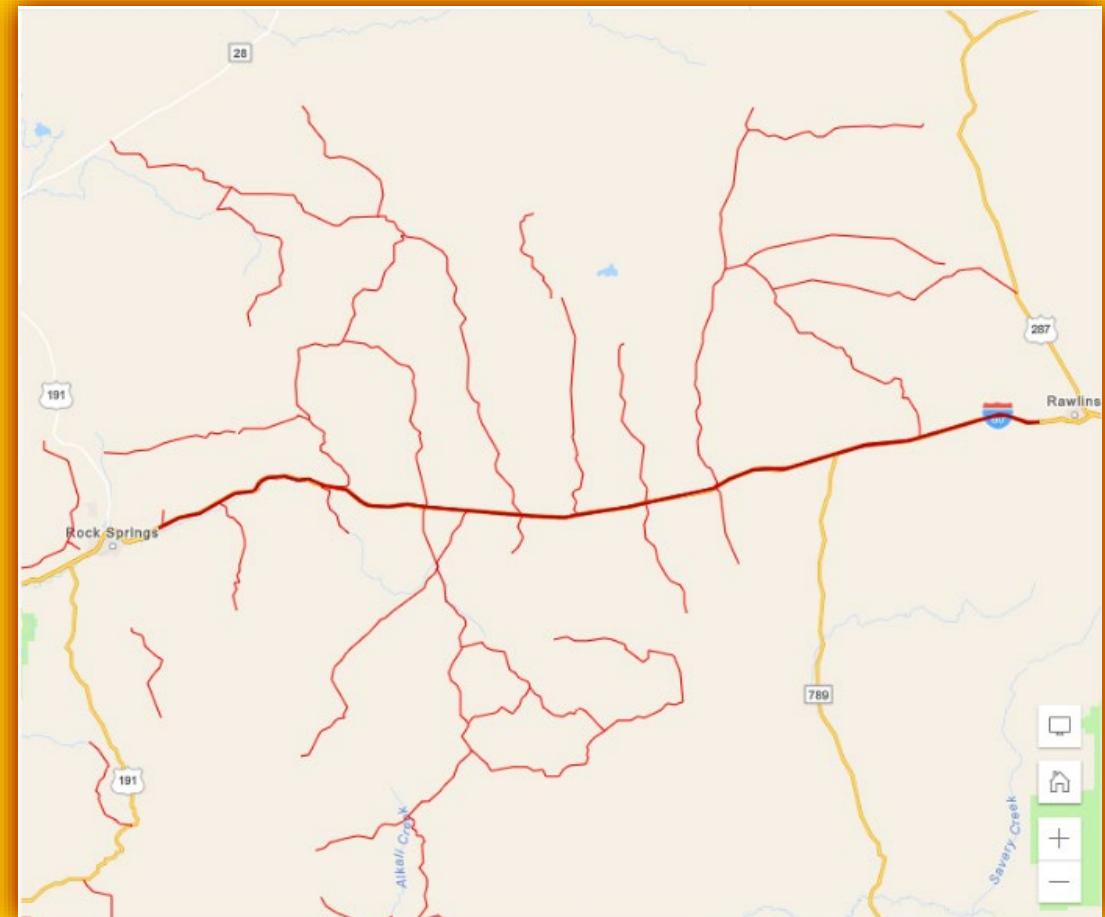


County Participation



County Road Closure Example

- Sweetwater County Roads
 - When WYDOT closes I-80, report other county road closures



Essential Information

WYDOT

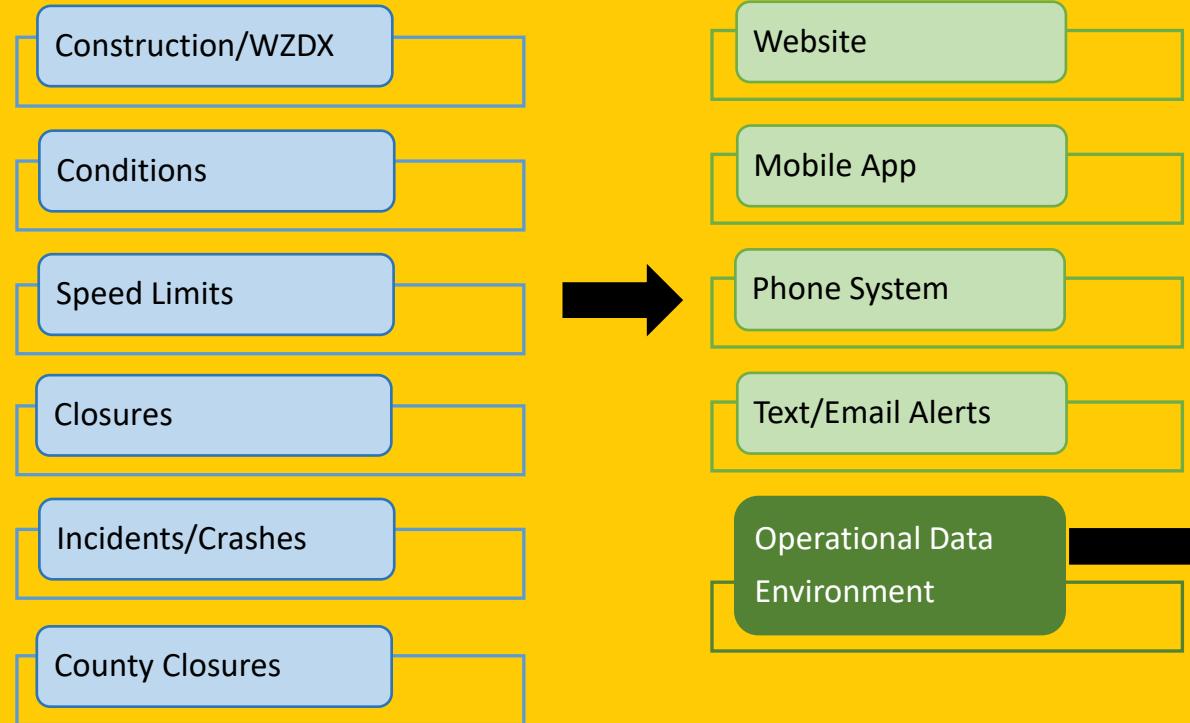
- Document County Expectations
- Document Road Customizations

Navigation Companies

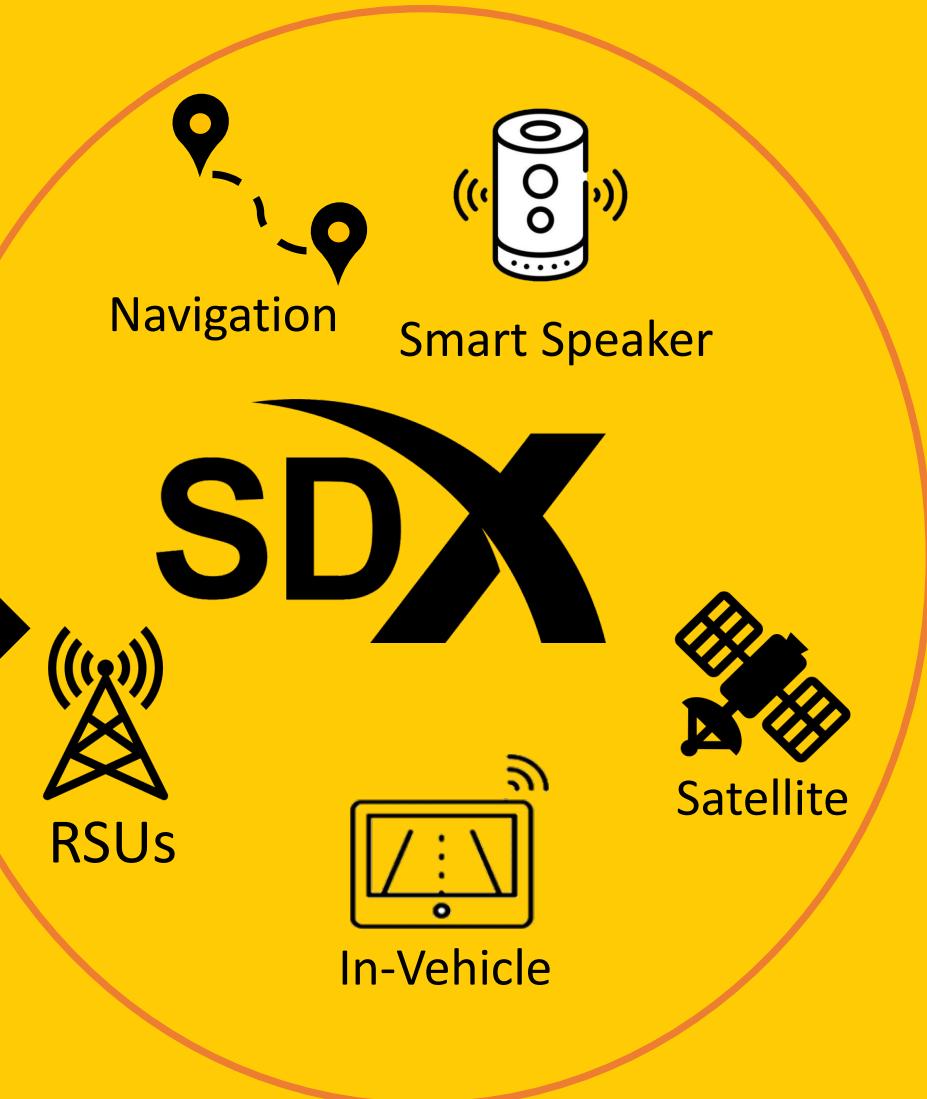
- Limits of Closure – Line Work
- Begin/End Time of Closure
- Reason for Closure
- Who Road Is Closed To

Situational Data Exchange (SDX)

WYDOT Data Flow



1. WZDX
2. TIMs
3. RSM



Situational Data Exchange (SDX)



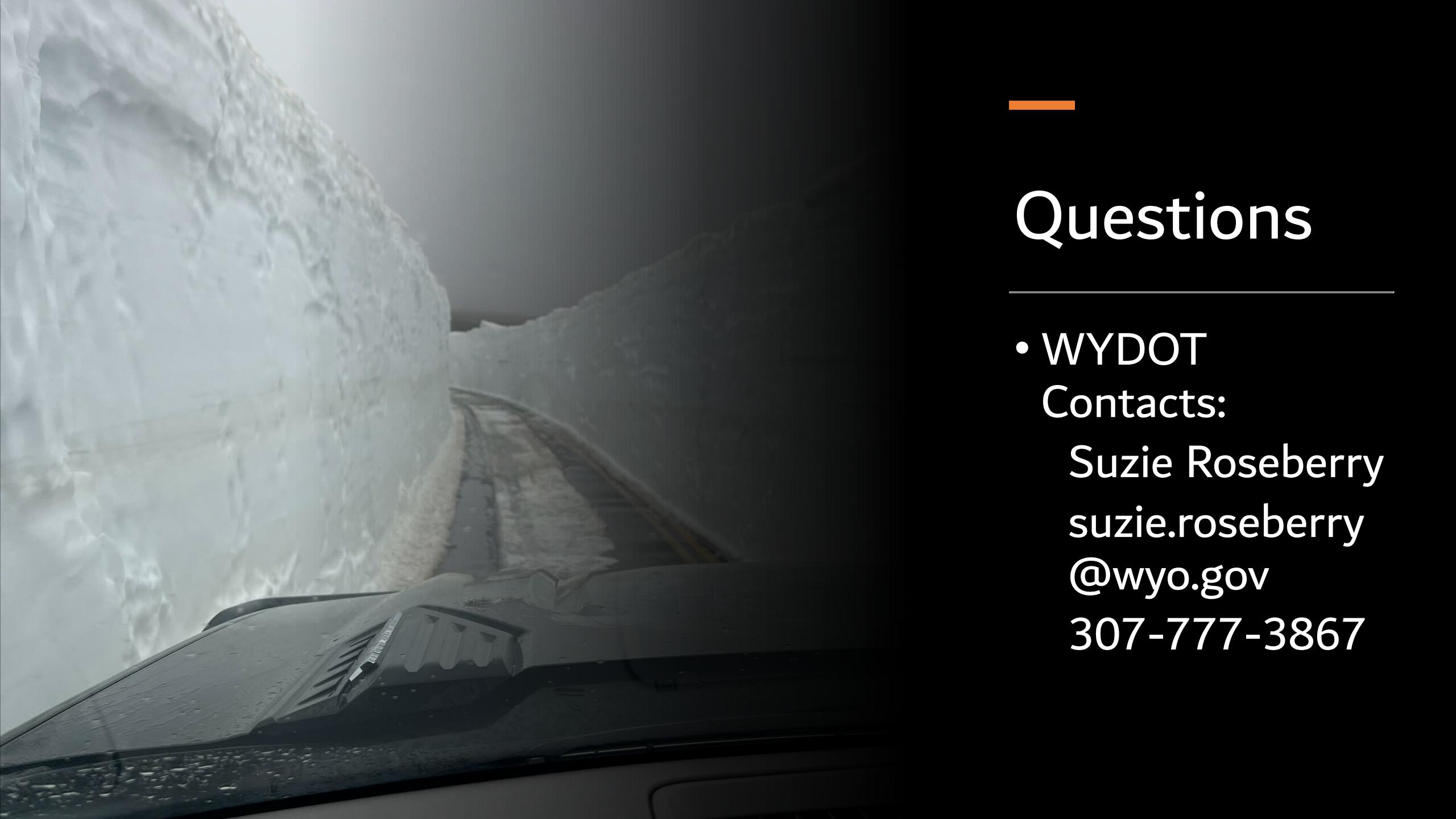
SDX Advantages

- Standard message formats (WZDx, TIM, RSM)
- Messages work for Connected Vehicles and any other use
- Trusted messages (SCMS)
- Nationwide one-stop shop for IOOs and 3rd Parties
- Emergency notifications for developing situations

3rd Party Navigation Companies

- Sirius XM
 - TIMs actively broadcast on the Sirius Satellite network
- Google
 - Google to incorporate into their navigation
- TomTom
- Apple
 - Beginning discussion
- Others





Questions

- WYDOT
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