



# SD511 County & Tribe Winter Road Closures and No-Travel Advisories

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June 12, 2024

# Agenda



Winter Closures and No-Travel Advisories



SD511 Enhancements



What to do by next winter



Please post questions in Chat as we go

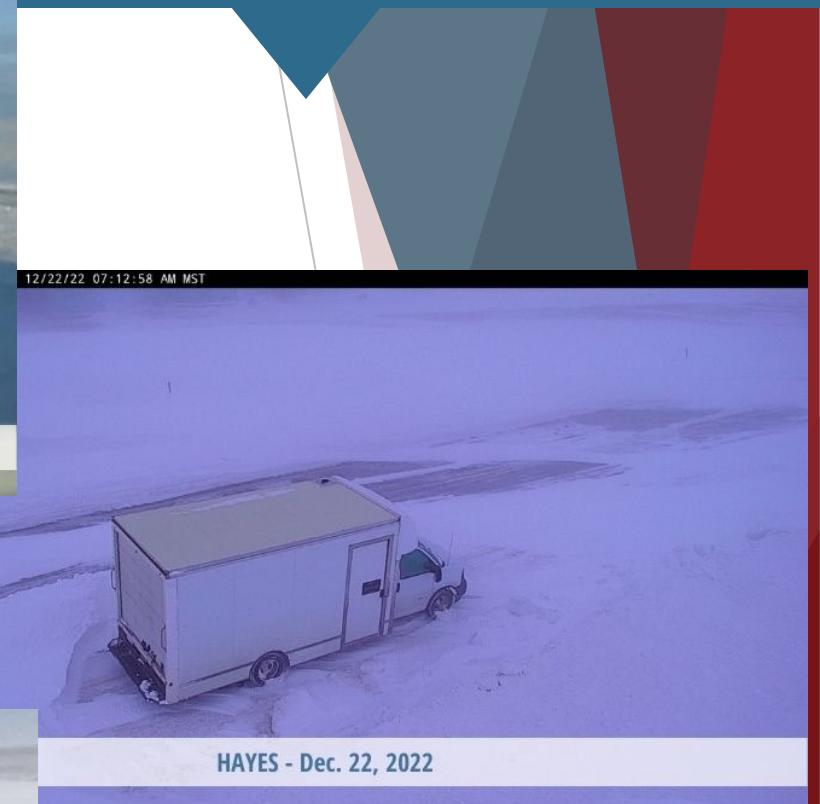
# Winter of 2022-2023

SD  
DOT

VIVIAN | Dec. 15, 2022

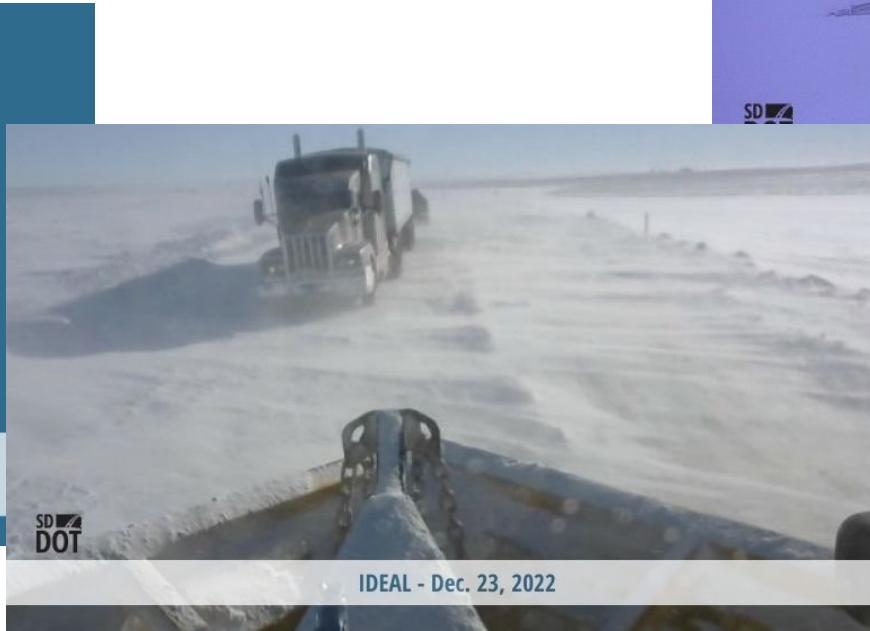


Tyler Small and Andy Kessler - Yankton Area  
S.D. Highway 49 and 44 Intersection - Dec. 17, 2022



SD  
DOT

SD  
DOT



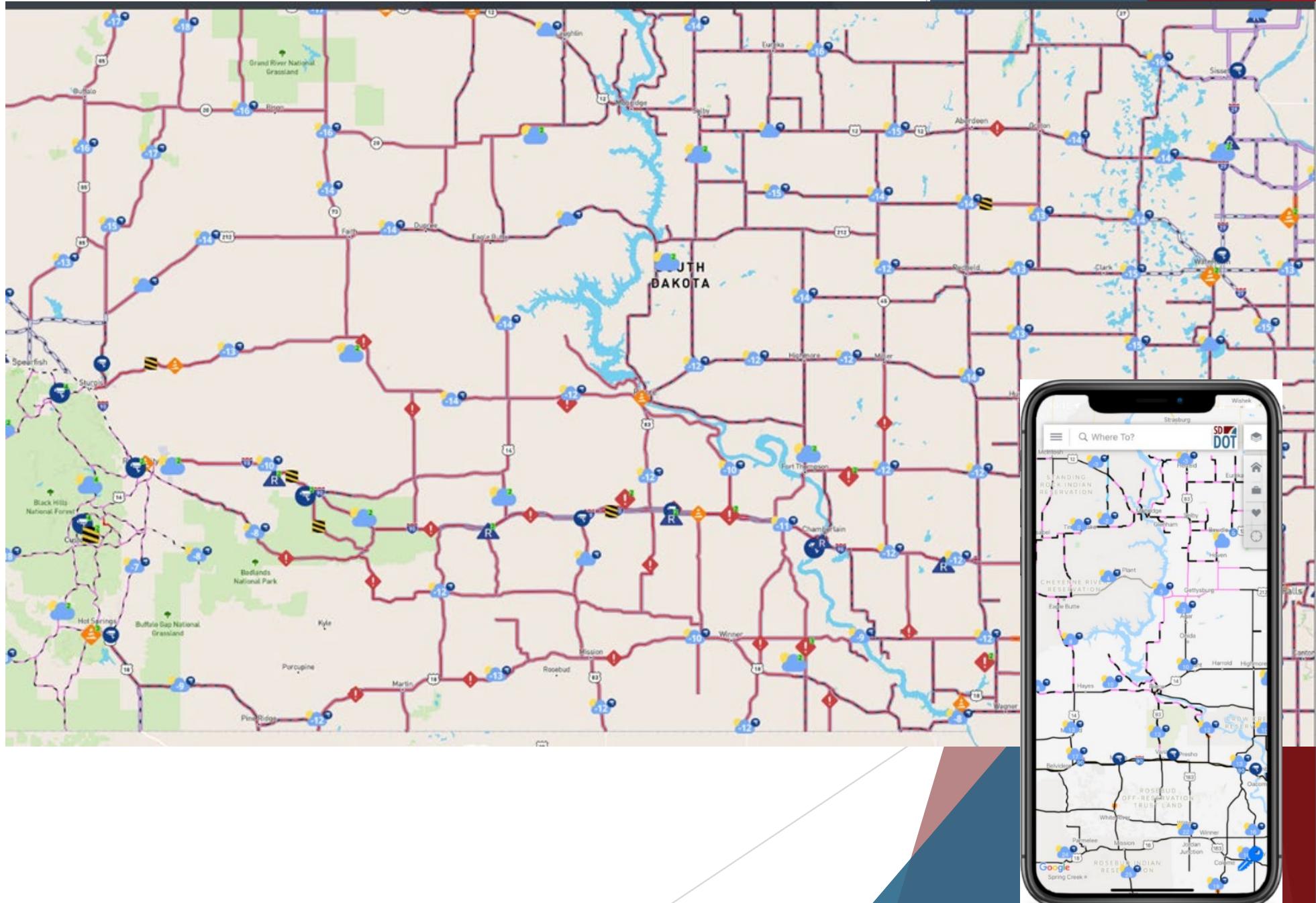
# County & Tribal Road Closures

- ▶ When SDDOT closes Interstate or State highways, some traffic moves to less capable county or tribal roads
- ▶ Many routed by third-party navigation services
- ▶ Many stranded requiring rescue



# SD511

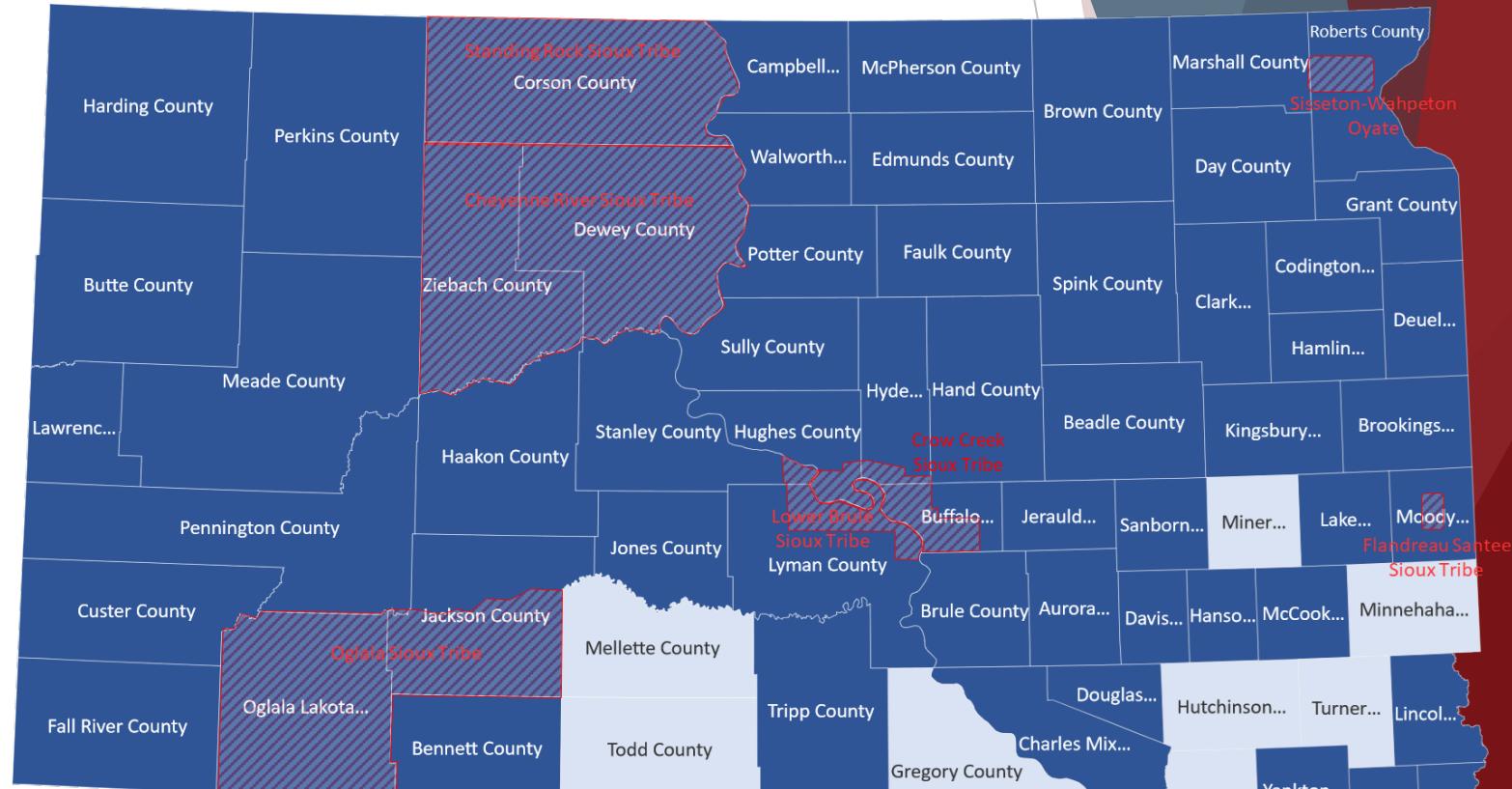
- ▶ SD511.org
- ▶ Android, iOS
- ▶ Telephony (IVR)
- ▶ Rest Area Kiosks
- ▶ SMS Text, Email
- ▶ JSON Data Feeds
- ▶ Road Conditions entered by SDDOT maintenance staff
- ▶ ≥3 reports/day, more when changing conditions
- ▶ RWIS & Cameras
- ▶ 24-Hour Threat Alerts



# County & Tribal Road Closures and No-Travel Advisories on SD511

- ▶ SD511 will post road closures and no-travel advisories by counties and tribes. Agencies:
  - ▶ Request a permit to post information (DOT189)
  - ▶ Identify principal contact
  - ▶ Identify persons authorized to enter information
  - ▶ Identify geographic subdivisions
  - ▶ Commit to promptly update information
- ▶ 7 tribes and 58 counties so far
- ▶ >200 authorized users

Counties and Tribes Registered to Use SD511 as of 05/22/2024



# Entering Road Closures and No-Travel Advisories in RMS

- ▶ Authorized users enter information into the Roadway Management System (RMS)
  - ▶ Begin Time
  - ▶ End Time (can be until further notice)
  - ▶ Announce Time
  - ▶ Restriction (road closure or no-travel advisory)
  - ▶ Extended description (free text, use judiciously)
- ▶ Users can enter, edit, and remove information only for their authorized jurisdictions
- ▶ Information displays by area (not by road) on RMS map

Tribe/Counties Editor

Tribe/County Name  
Oglala Sioux Tribe

Time Constraints

Begin Time: 05/22/2024 8:20 AM  
End Time: Until Further Notice

Announce Date: 05/22/2024 8:20 AM

Restriction: Roads Closed

Extended Description: Example road closure.

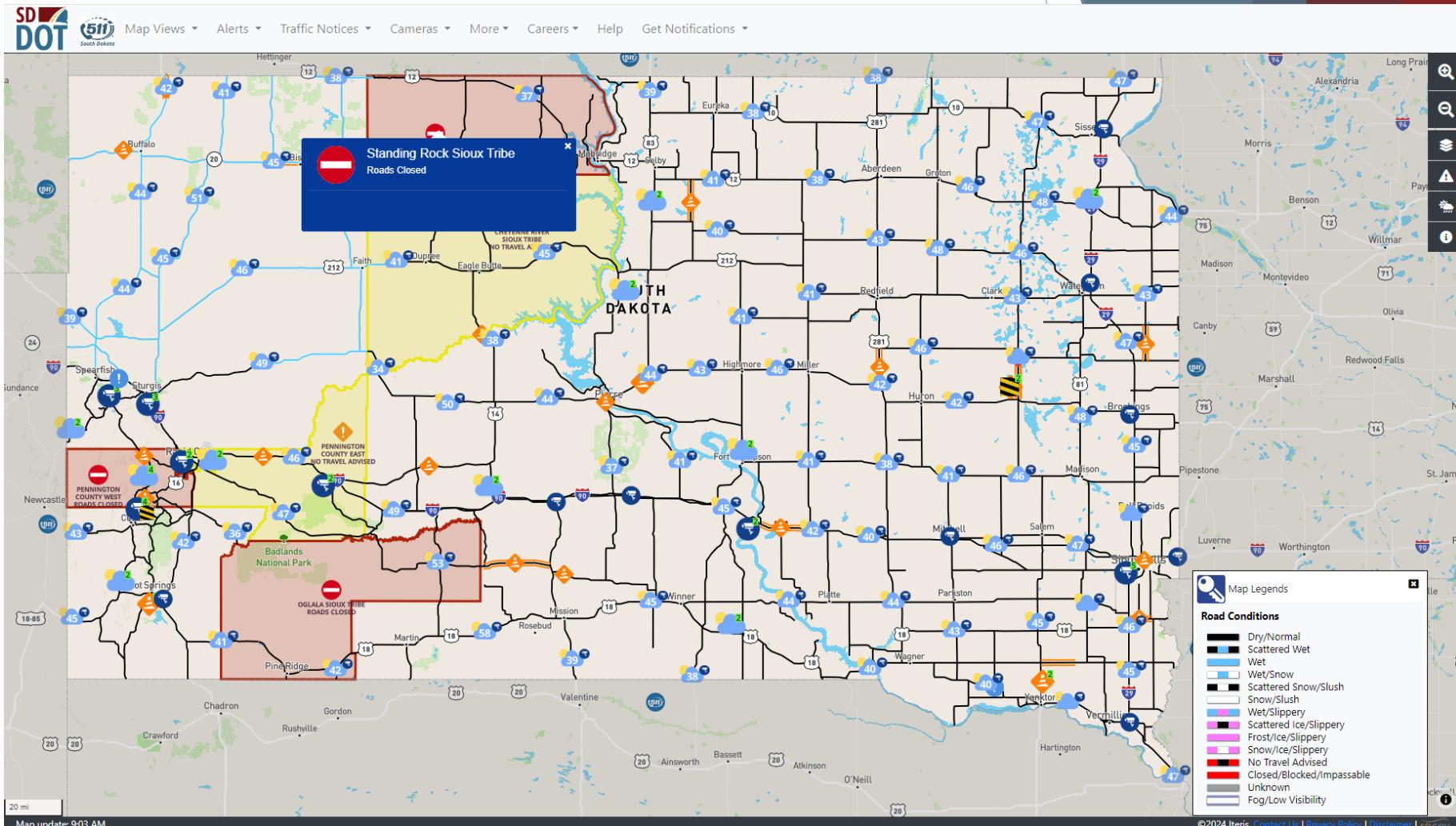
Road Conditions (Map Keys):

- Dry/Normal
- Scattered Wet
- Wet
- Wet/Snow
- Scattered Snow/Slush
- Snow/Slush
- Frost/Ice/Slippery
- Scattered Ice/Slippery
- Frost/Ice/Slippery
- Travel Advised
- Closed/Blocked/Impassable
- Unknown
- Low Visibility

CANCEL DELETE SUBMIT

# SD511 Publishes Information to Public

- ▶ SD511.org website
- ▶ Android and iOS mobile apps
- ▶  Interactive Voice Response
- ▶ Feeds to Google, Waze, other 3<sup>rd</sup> - party navigation apps



# To Be Operational Next Winter

## **SDDOT and Iteris**

- ▶ Add County and Tribe features to “production” RMS and SD511
- ▶ Complete Interactive Voice Response
- ▶ Complete 3<sup>rd</sup>-Party Data Feeds
- ▶ Prepare and distribute User Guide
- ▶ Demonstration & training Fall 2024

## **Tribes and Counties**

- ▶ Encourage other tribes and counties to participate
- ▶ Inform SDDOT of user changes
- ▶ Pose questions
- ▶ Plan and prepare to use SD511
- ▶ Attend Demonstration this Fall

# Questions?

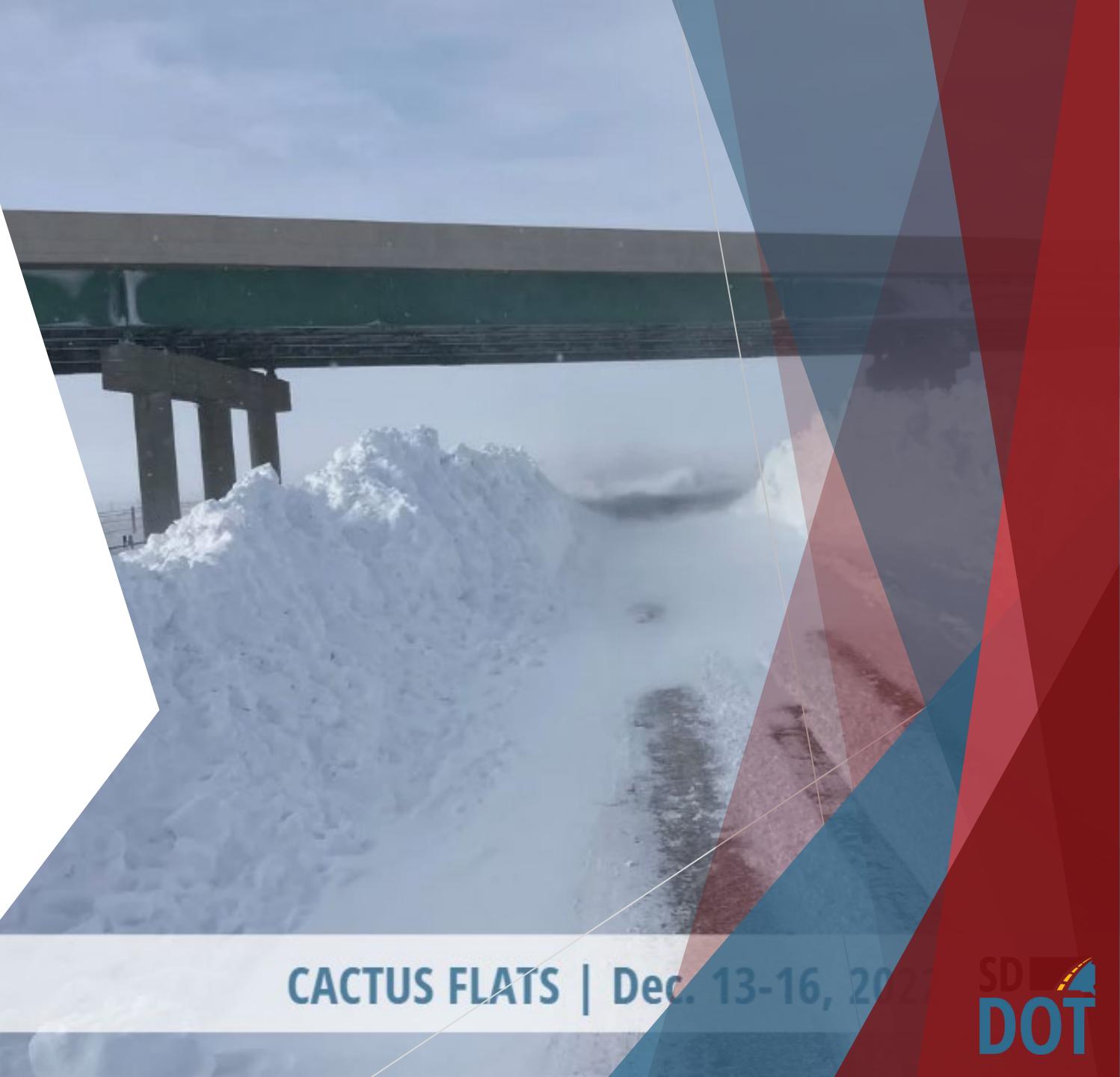
## Contact

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CACTUS FLATS | Dec. 13-16, 2020

SD DOT