



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

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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



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

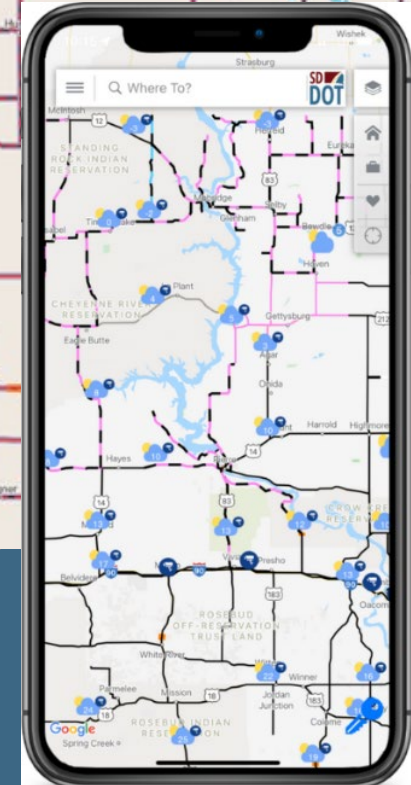
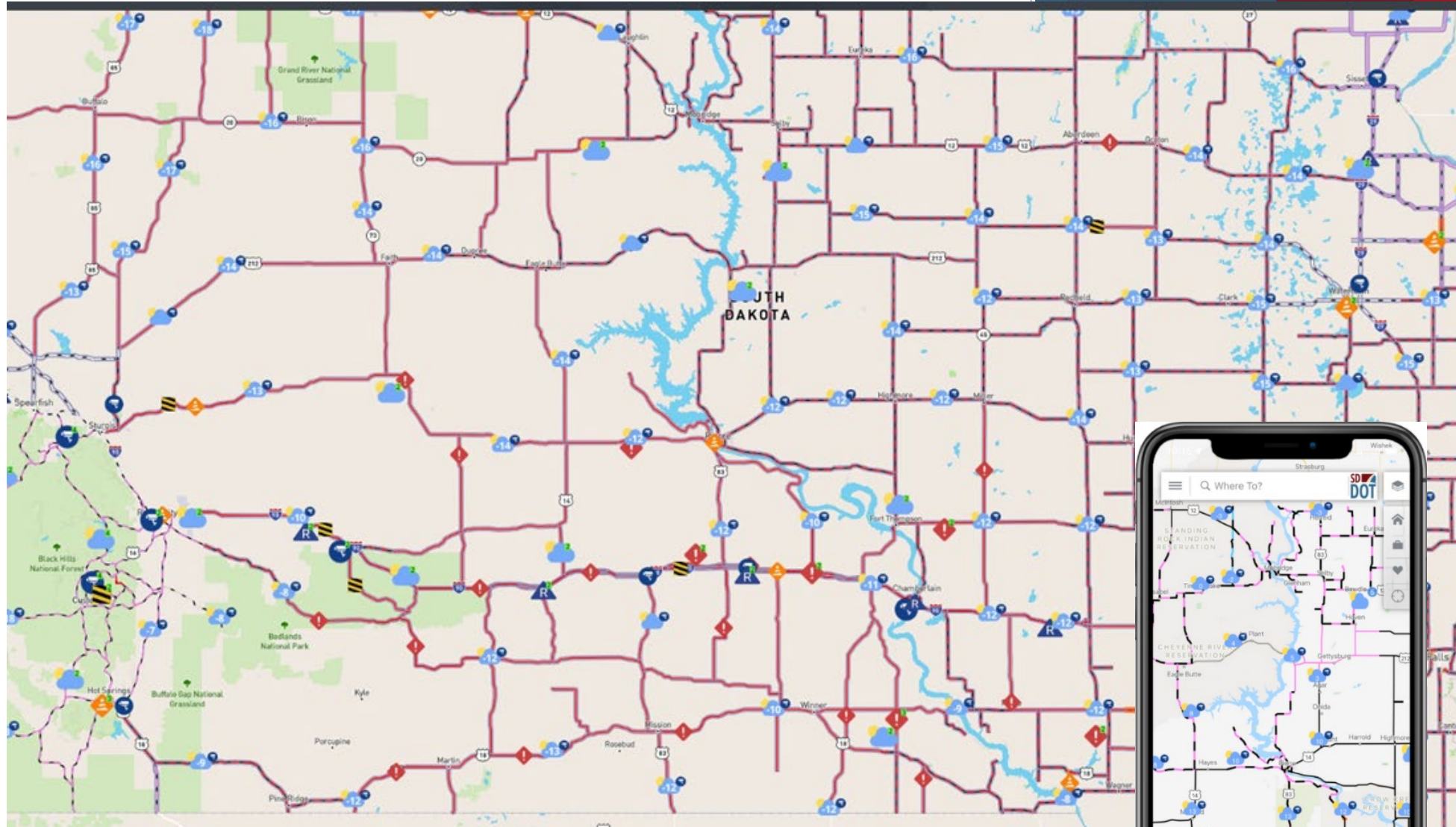


IDEAL - Dec. 23, 2022



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

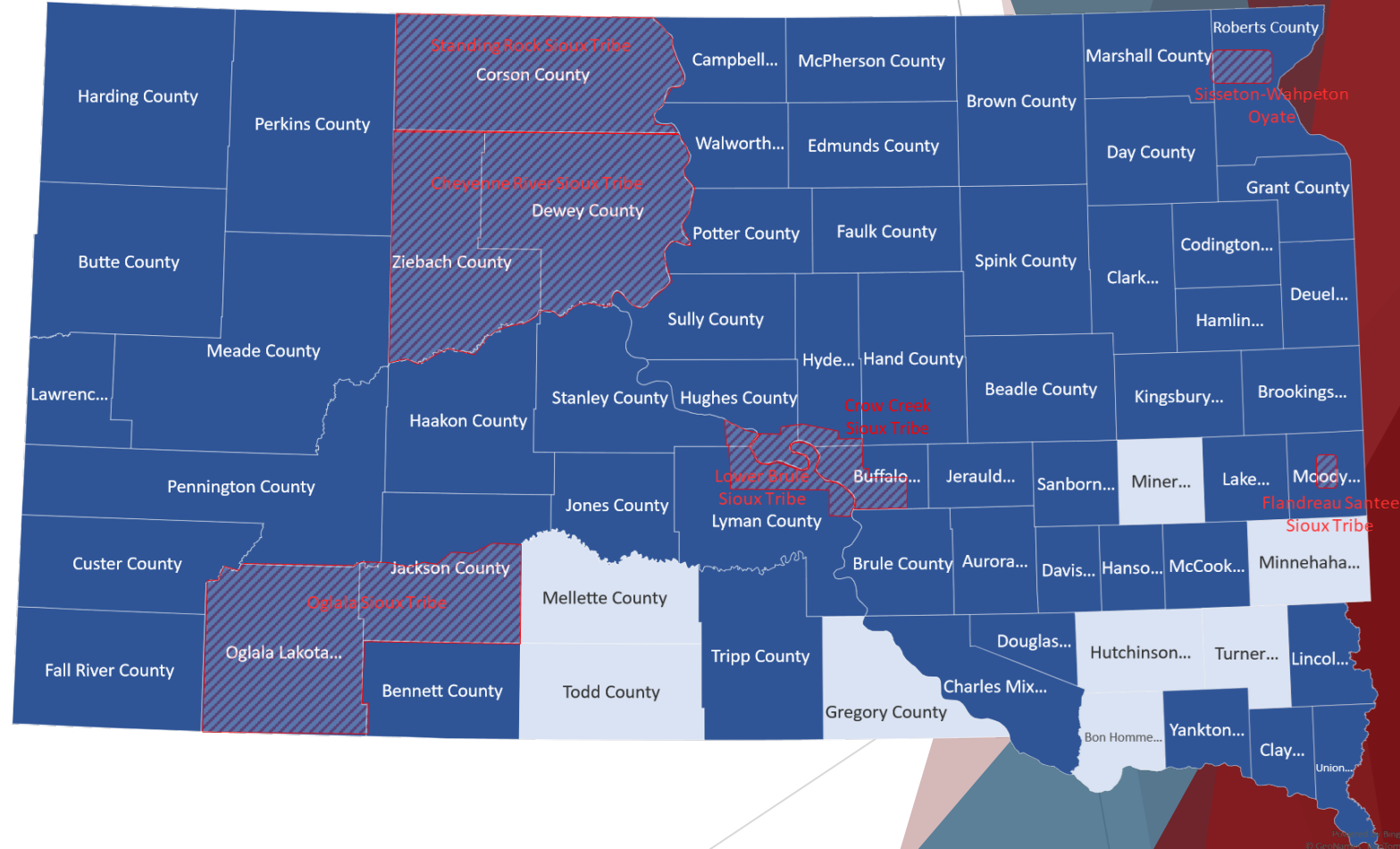


County & Tribal Road Closures and No-Travel Advisories on SD511

► SD511 will post road closures and no-travel advisories by counties and tribes. Agencies:

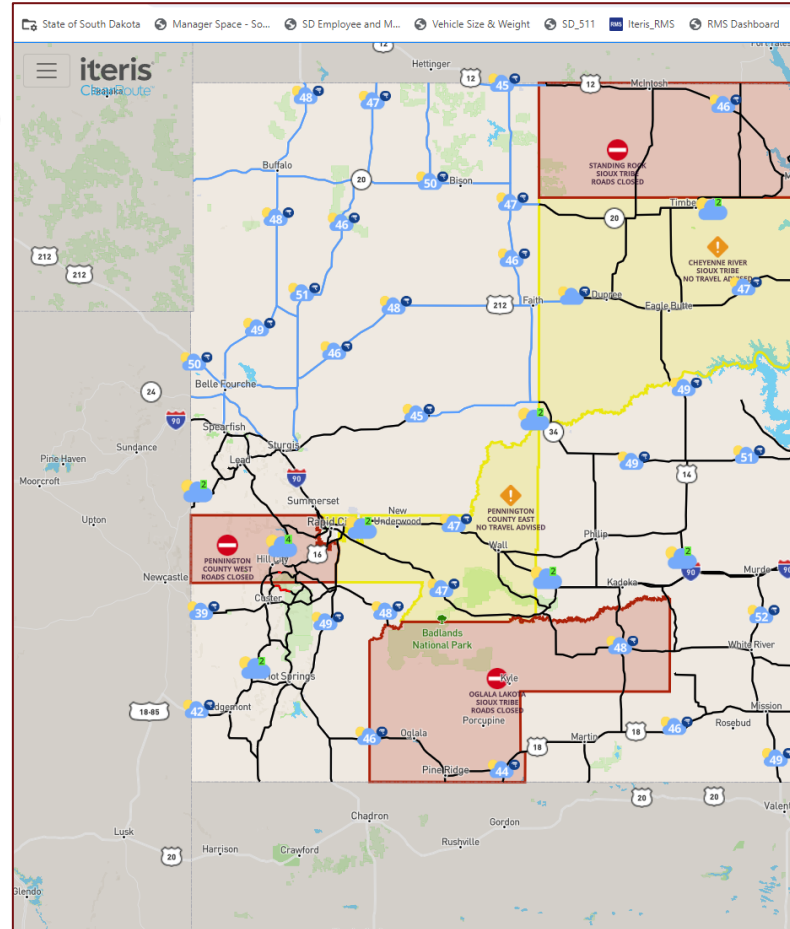
- Request a permit to post information (DOT189)
 - Identify principal contact
 - Identify persons authorized to enter information
 - Identify geographic subdivisions
 - Commit to promptly update information
- 7 tribes and 58 counties so far
- >200 authorized users

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.


CANCEL DELETE SUBMIT

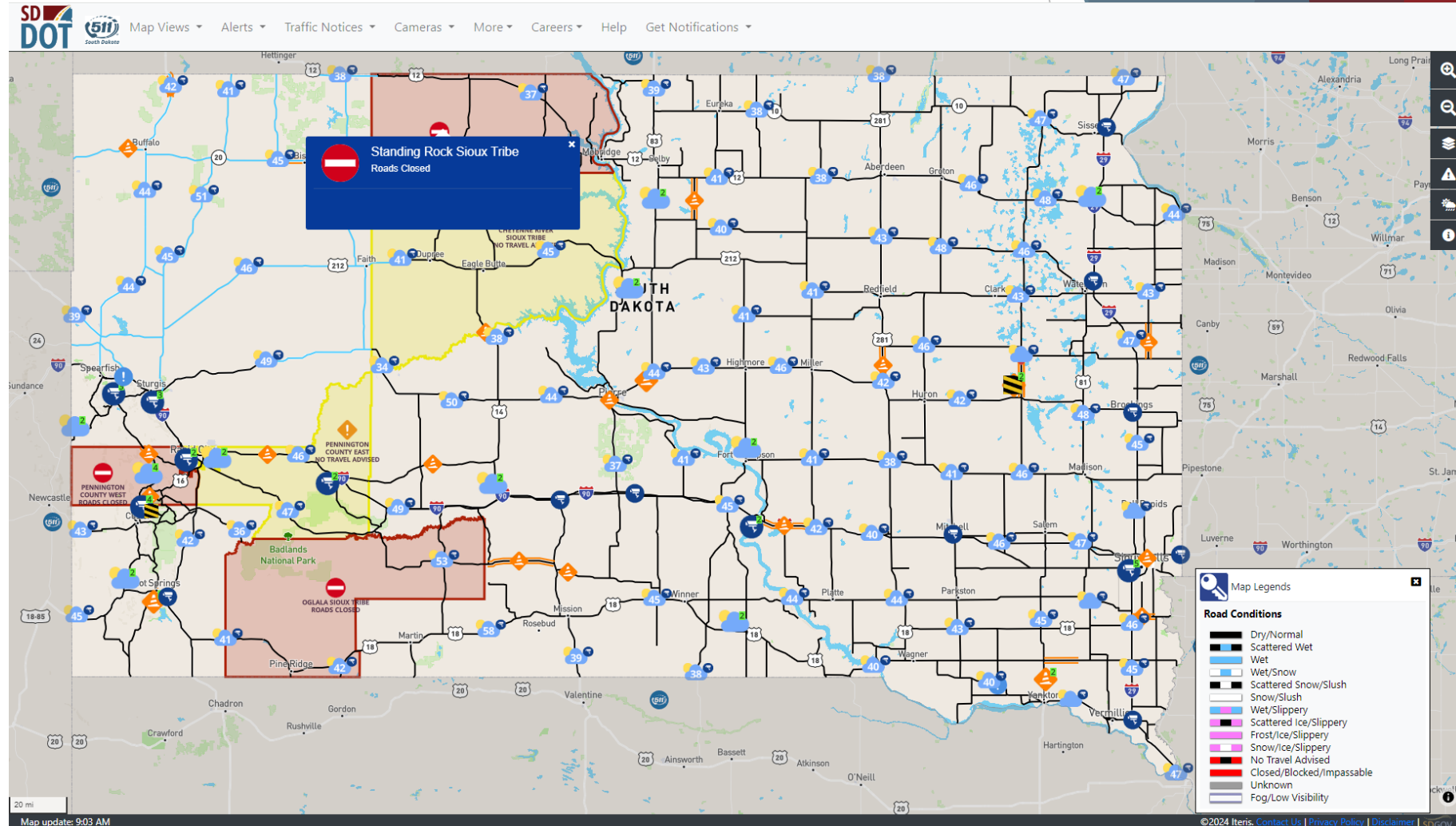
Map Keys

Road Conditions

- Dry/Normal
- Scattered Wet
- Wet
- Wet/Snow
- Scattered Snow/Slush
- Snow/Slush
- Wet/Slippery
- Scattered Ice/Slippery
- Frost/Ice/Slippery
- Snow/Ice/Slippery
- No Travel Advised
- Closed/Blocked/Impassable
- Unknown
- Low Visibility

SD511 Publishes Information to Public

- ▶ SD511.org website
- ▶ Android and iOS mobile apps
- ▶  Interactive Voice Response
- ▶ Feeds to Google, Waze, other 3rd-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 3rd-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, 2022

