



## Climate and Resilience Programs

Amber Dallman | Office Director, Sustainability and Public Health

January 11, 2023

# MNDOT'S MISSION

Plan, build, operate, and maintain a safe, accessible, efficient, and reliable multimodal transportation system that connects people to destinations and markets throughout the state, regionally, and around the world.



Cars



Pedestrians



Bikes



Transit



Freight



Rail



Aviation



Waterways

# MnDOT Sustainability & Public Health: Overview

## **Reducing carbon pollution from transportation**

- Electric vehicles, cleaner fuels, Carbon Reduction Program, and the Sustainable Transportation Advisory Council

## **Leading by example by making operations more efficient**

- MnDOT efforts to improve efficiency in operations and achieve sustainability targets

## **Transportation and public health**

- Complete Streets, Equity and Health Assessment

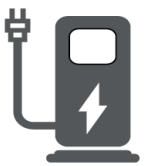
## **Transportation system resilience**

- Resilience research, bridge and culvert vulnerability, and federal resilience programs

## **Strategic partnerships**

- NextGen Highways, Alternative Uses of Right of Way, and Artist in Residence

# Why We Do This Work



Transportation is the #1 emitter of greenhouse gas emissions in Minnesota. Action is needed to advance low-carbon options.



MnDOT's greenhouse gas emissions from facilities and fleet increased from 2018 to 2019. Without further action, the agency will not meet sustainability goals by 2025.



# Why We Do This Work



Minnesota is expected to be the 2<sup>nd</sup> most impacted state by climate change. Warmer winters and more frequent, heavier rains are impacting travel and increasing costs.



Transportation significantly influences community health. Shaping an equitable transportation system will improve health for all Minnesotans.

# IIJA Climate & Resilience Programs: Overview

## Climate & Resilience Workgroup

- Developed to support distribution of NEVI, CRP, and PROTECT funds

## National Electric Vehicle Infrastructure Formula Program

- Formula and Discretionary Program: \$5B, Guidance released February 2022

## Charging and Fueling Infrastructure Discretionary Grants

- Discretionary Program: \$2.5B, Guidance expected early 2023

## Carbon Reduction Program

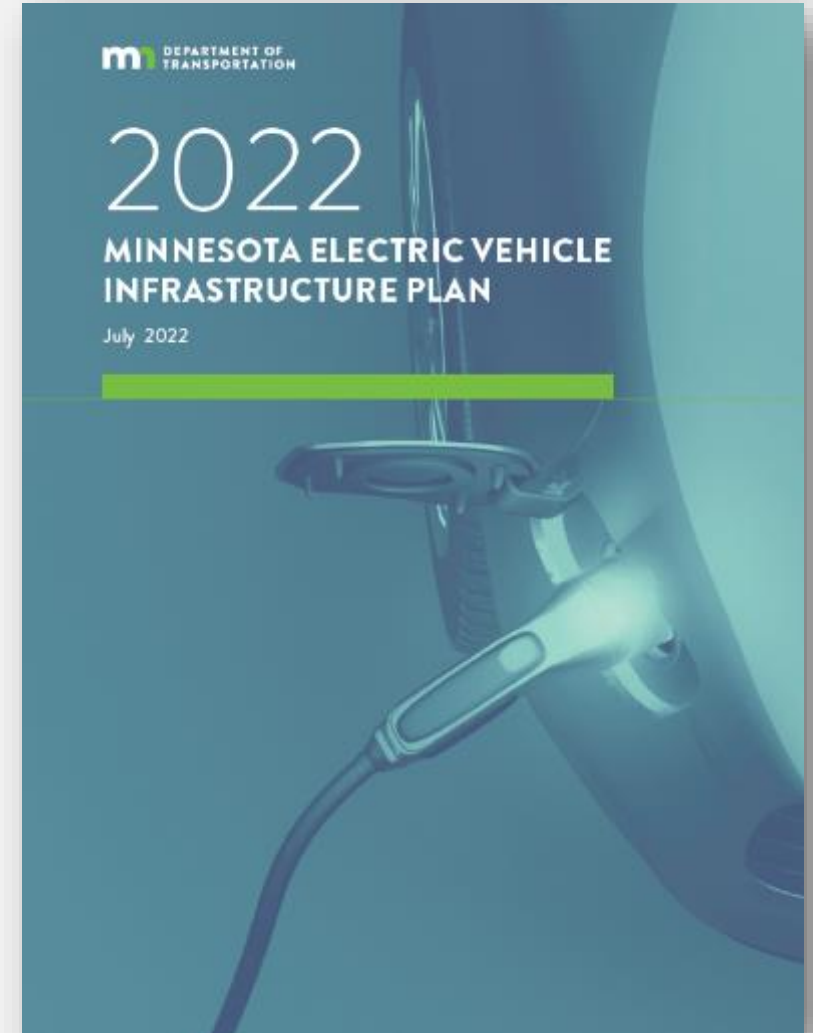
- Formula Program: \$6.4B, Guidance released April 2022

## PROTECT

- Formula Program: \$7.3B, Guidance released July 2022
- Discretionary Program: \$1.4 B, Guidance expected early 2023

# National Electric Vehicle Infrastructure Program

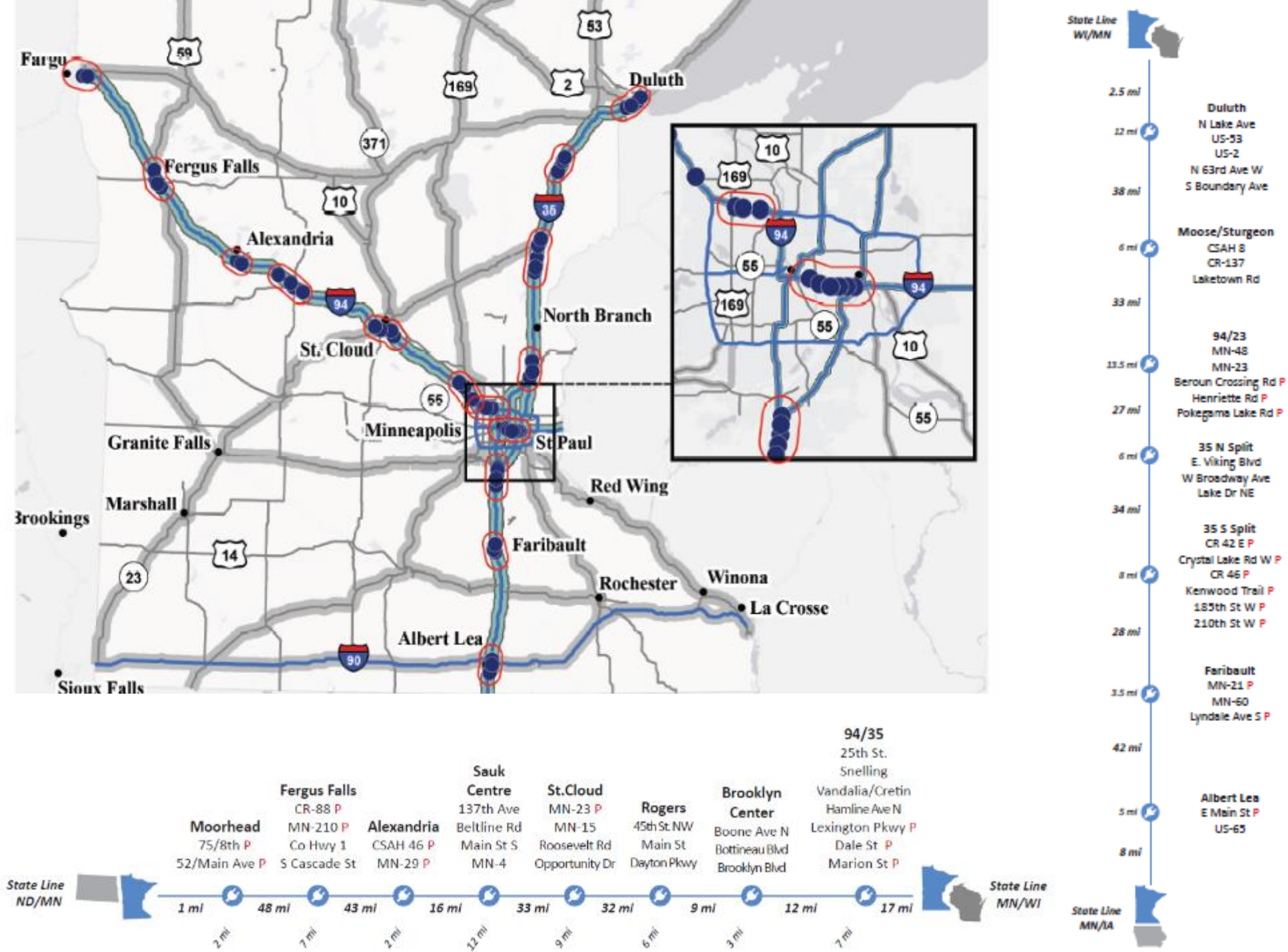
- Federal appropriation for Minnesota is \$68 million for federal FY 22 – 26
- 20% non-federal match and state legislative spending authorization required
- Request for Qualifications/Proposals Spring 2023
  - Phase 1 chargers installed by 2024
- Charging & Fueling Infrastructure Competitive Grants
  - Federal Highway Association guidance expected early 2023
  - Local governments and federally recognized Tribes eligible





# Fast Charger Locations, I-94 and I-35

The approved plan identified clusters of exits, but did not identify specific sites for installations





# Carbon Reduction Program

- What is the purpose of CRP?
  - Reduce transportation emissions (CO<sup>2</sup> emissions from on-road highway sources)
- How?
  - Develop state carbon reduction strategies
  - Fund projects designed to reduce transportation emissions



# Carbon Reduction Priorities in Minnesota

- Guiding Policy Documents
  - [2022 Statewide Multimodal Transportation Plan](#)
  - [Pathways to Decarbonizing Transportation Report \(Pathways\), 2019](#)
  - [Minnesota Climate Action Framework, 2021](#)





# CRP Funding Appropriations

- \$20.5 million annually to spend
- Distributed based on populations
  - State receives 35% of those funds annually (~\$7.1 million)
  - Metropolitan Planning Organization (MPO) areas are sub-allocated specific amounts in IIJA
    - Metropolitan Council area (~\$6.6 million)
    - 7 other Minnesota MPOs (~\$1 million distributed based on Minnesota population per MPO area)
  - Areas of less than 50,000 population should receive approximately 27.3% (~\$5.6 million) of the funds annually

\*Only accounts for Minnesota portion of the urbanized area's population



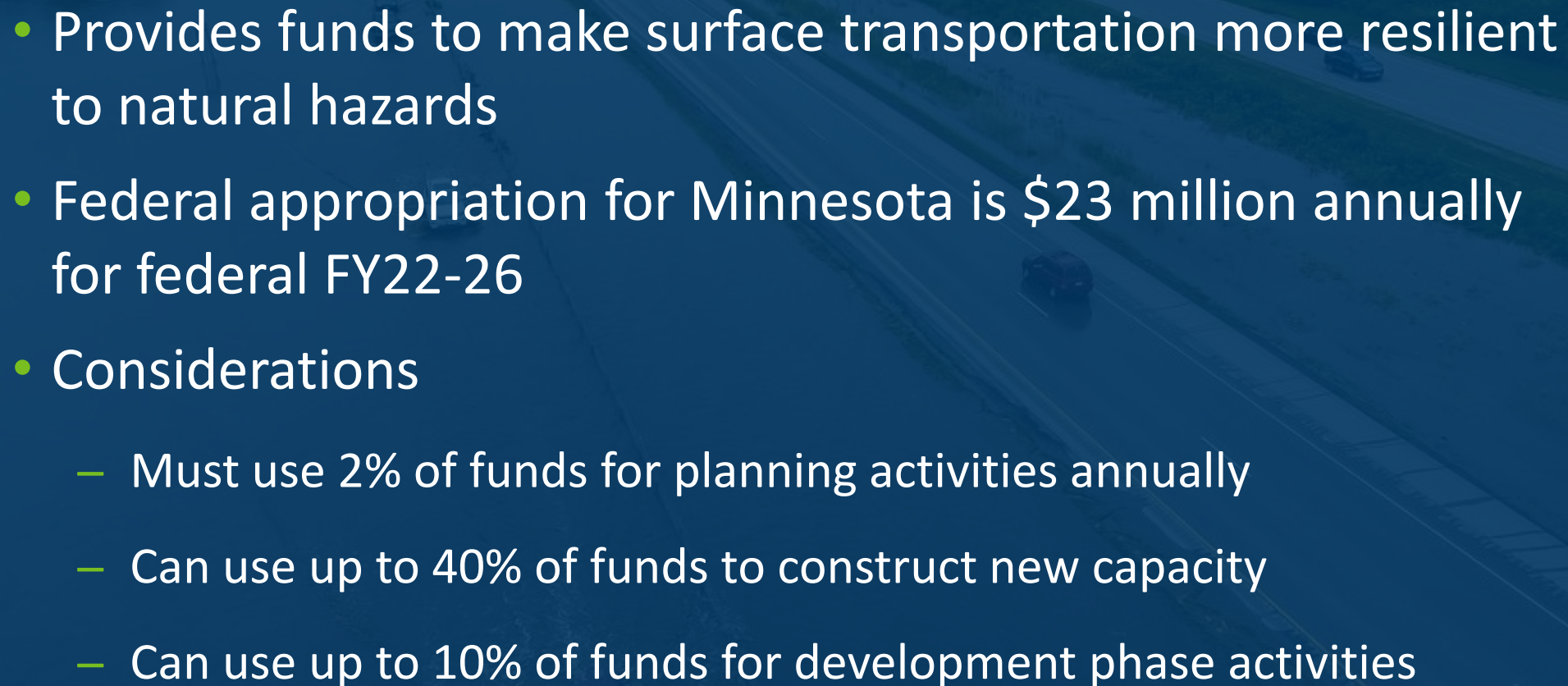
# Carbon Reduction Program Strategic Plan

- Spring – Summer 2023 Develop Plan
- Fall 2023 solicit projects for FY25-26





# PROTECT Formula Program Overview

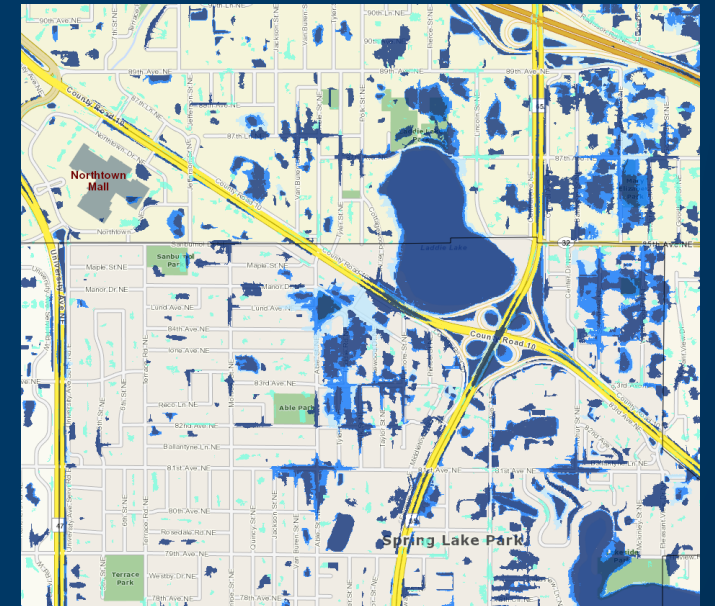
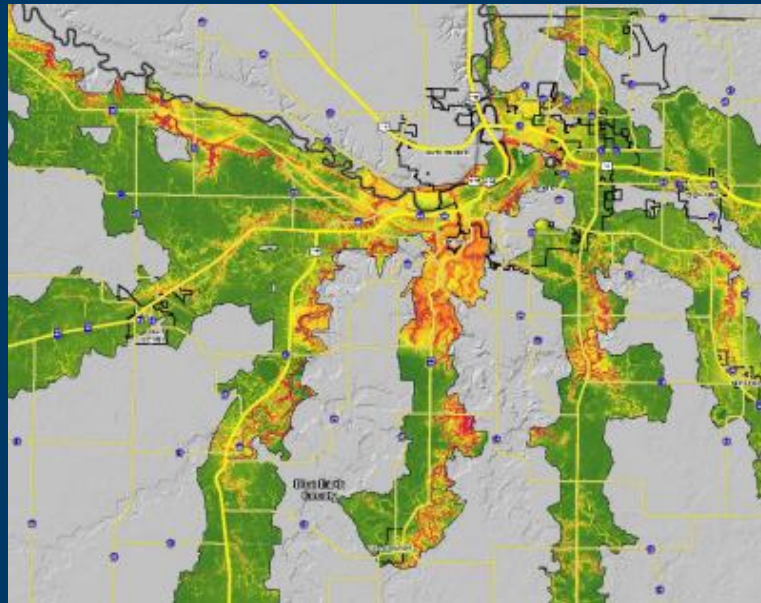
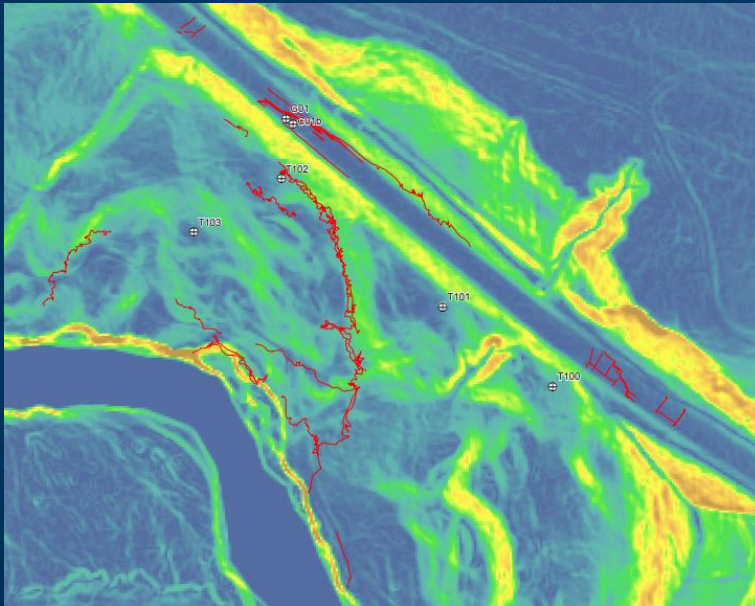
- 
- An aerial photograph showing a multi-lane highway that has been severely flooded. Several cars are visible, some partially submerged in the murky water. The surrounding area is green with trees and grass, but the road itself is completely inundated. The image is used as a background for the slide, with a dark blue semi-transparent box overlaid on the left side containing the text.
- Provides funds to make surface transportation more resilient to natural hazards
  - Federal appropriation for Minnesota is \$23 million annually for federal FY22-26
  - Considerations
    - Must use 2% of funds for planning activities annually
    - Can use up to 40% of funds to construct new capacity
    - Can use up to 10% of funds for development phase activities



# PROTECT Program

## Eligible Project Types

- Resilience Planning
- Resilience Improvements





# PROTECT Competitive Grants

- Federal Highway Association guidance expected early 2023
- Local governments and federally recognized Tribes eligible







## Gaps & Opportunities

# Opportunities: How to get Involved

- Sustainable Transportation Advisory Council
  - Next meeting Monday, March 20, 1:00 – 3:00 p.m. | [Sign up for email updates](#)
- Climate & Resilience Workgroup
- [National Electric Vehicle Infrastructure Planning](#)
  - Community engagement to identify Alternative Fuel Corridors March – May 2023
  - Request for Proposals/Quotes along I-35 and I-94 expected July 2023



# Gaps & Opportunities



- Challenge with Match Funding
- Statutory Authority to Spend NEVI Funds Off the Right of Way
- Staff capacity
- Sustainable Transportation Advisory Council Recommendations