



## Climate and Resilience Programs

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# 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

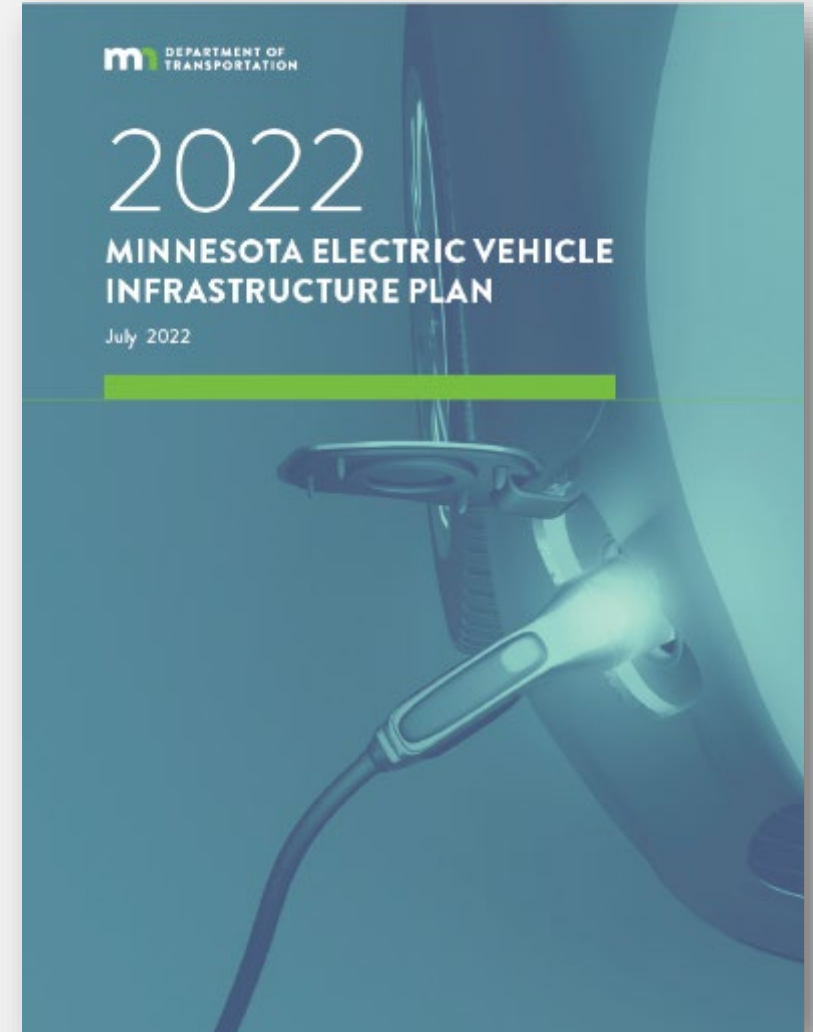
## **Strategic partnerships**

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

# National Electric Vehicle Infrastructure Program

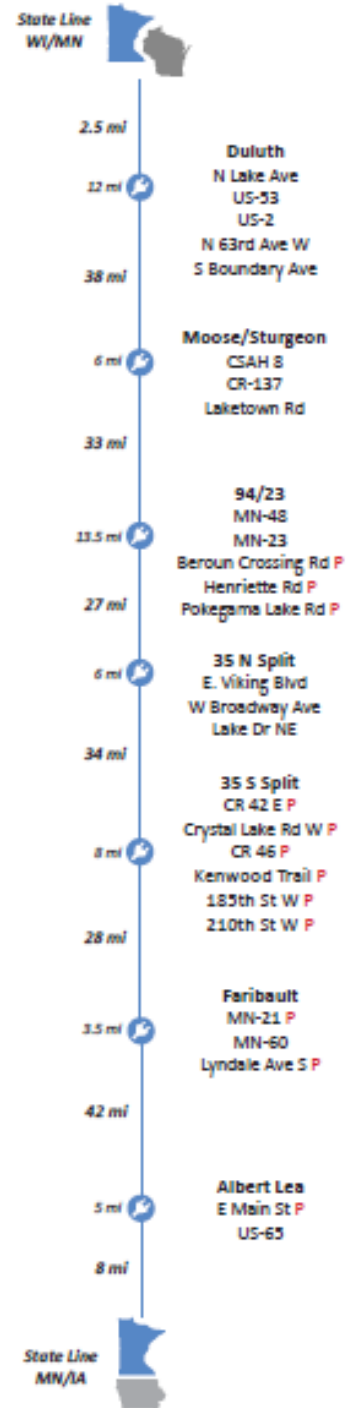
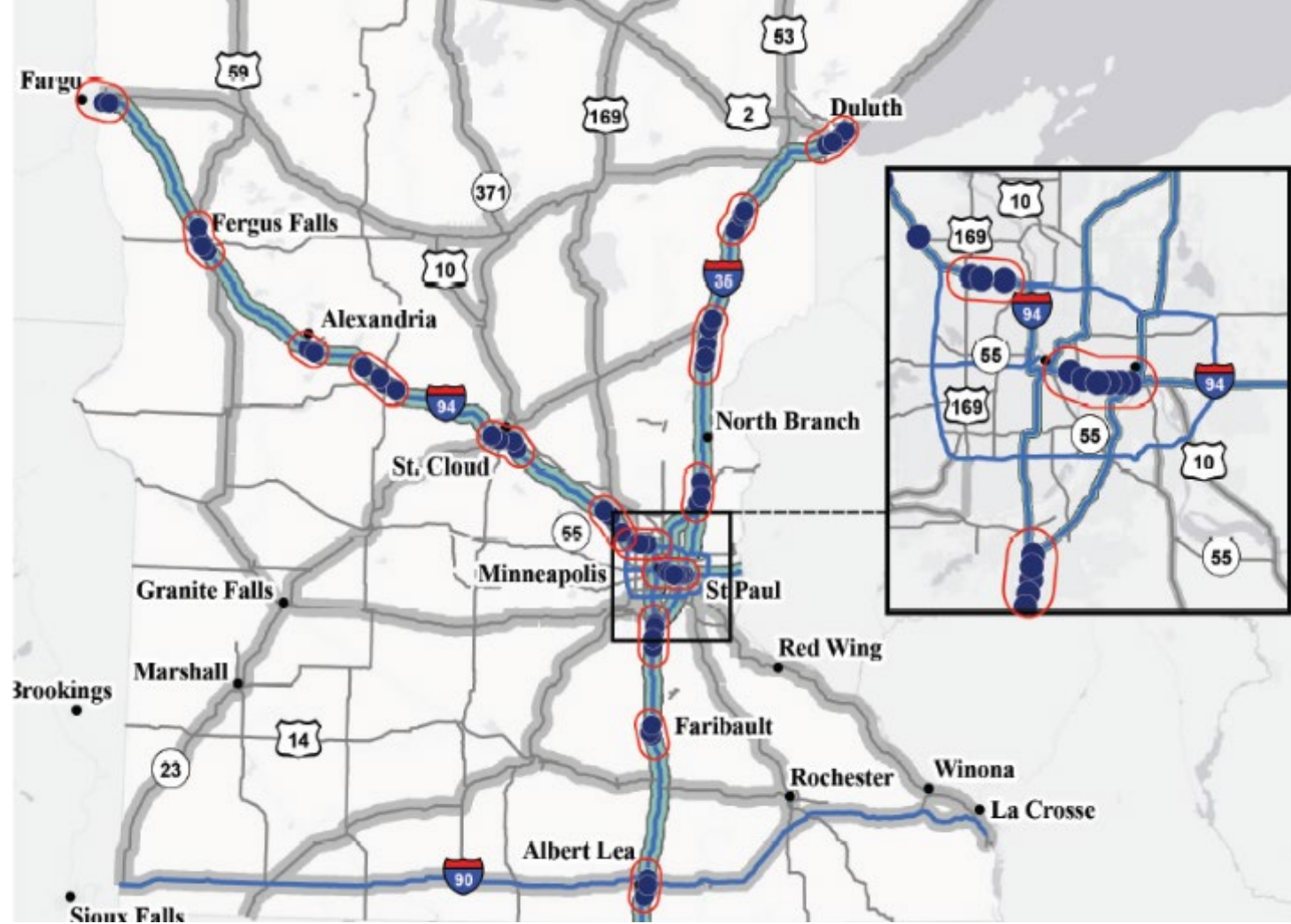
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- Federal appropriation for Minnesota is \$68 million for federal FY 22 – 26
- 20% non-federal match and state legislative spending authorization required
- Request for Qualifications/Proposals Spring 2023
  - Phase 1 chargers installed by 2024
- Charging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

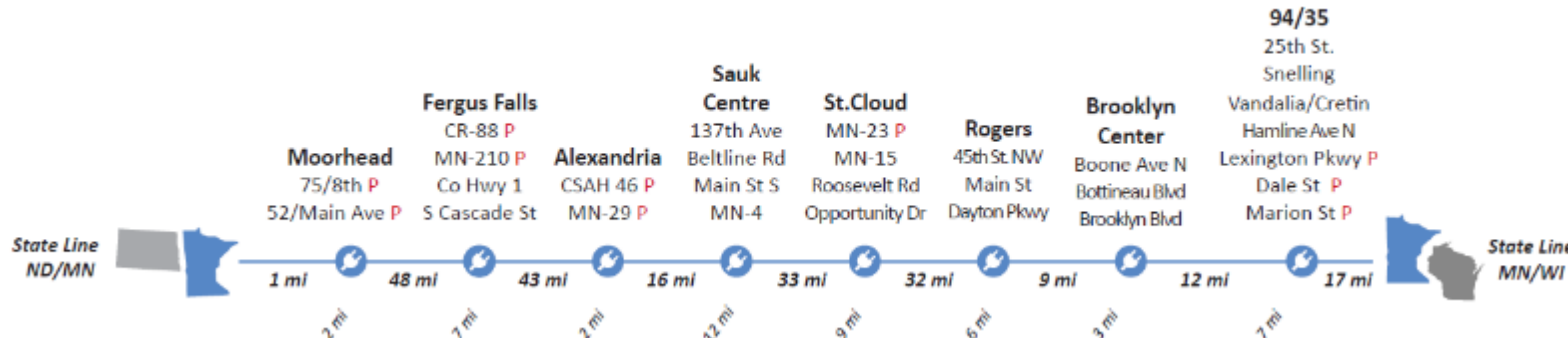


# Fast Charger Locations, I-94 and I-35

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



**P** – 600kW load verified available per utility input





# 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



# 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 IIA
    - 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



# PROTECT Formula Program Overview

- 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

## 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

# Gaps & Opportunities



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