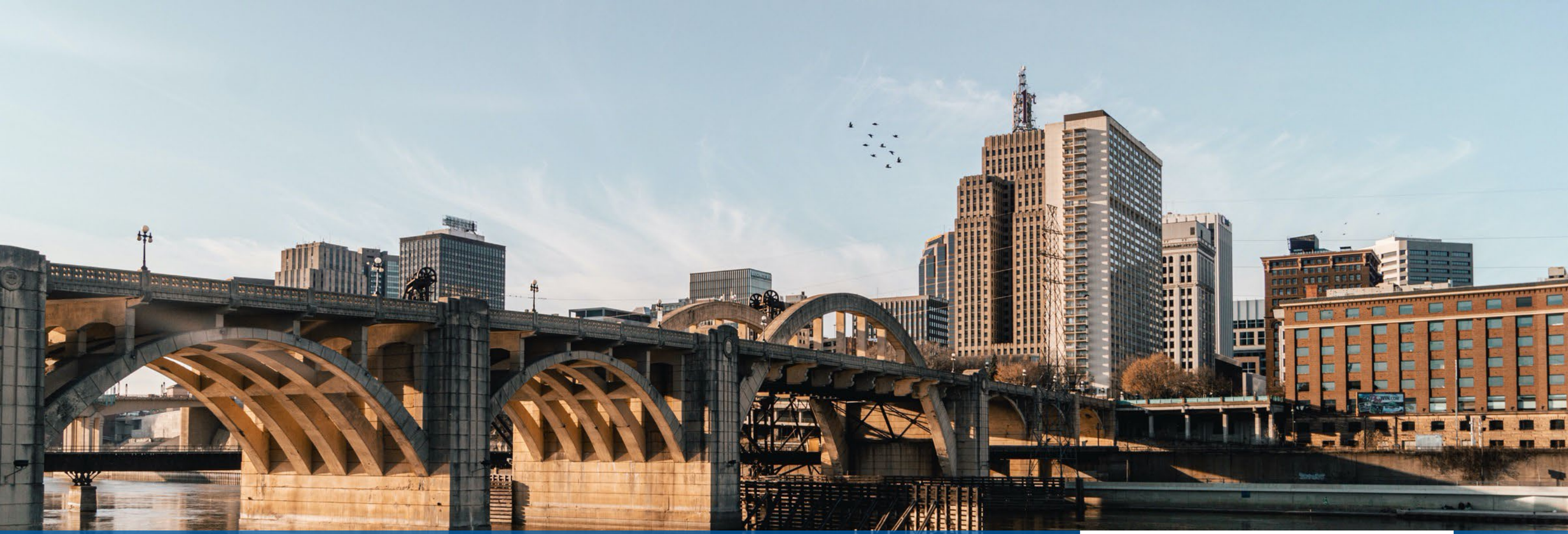


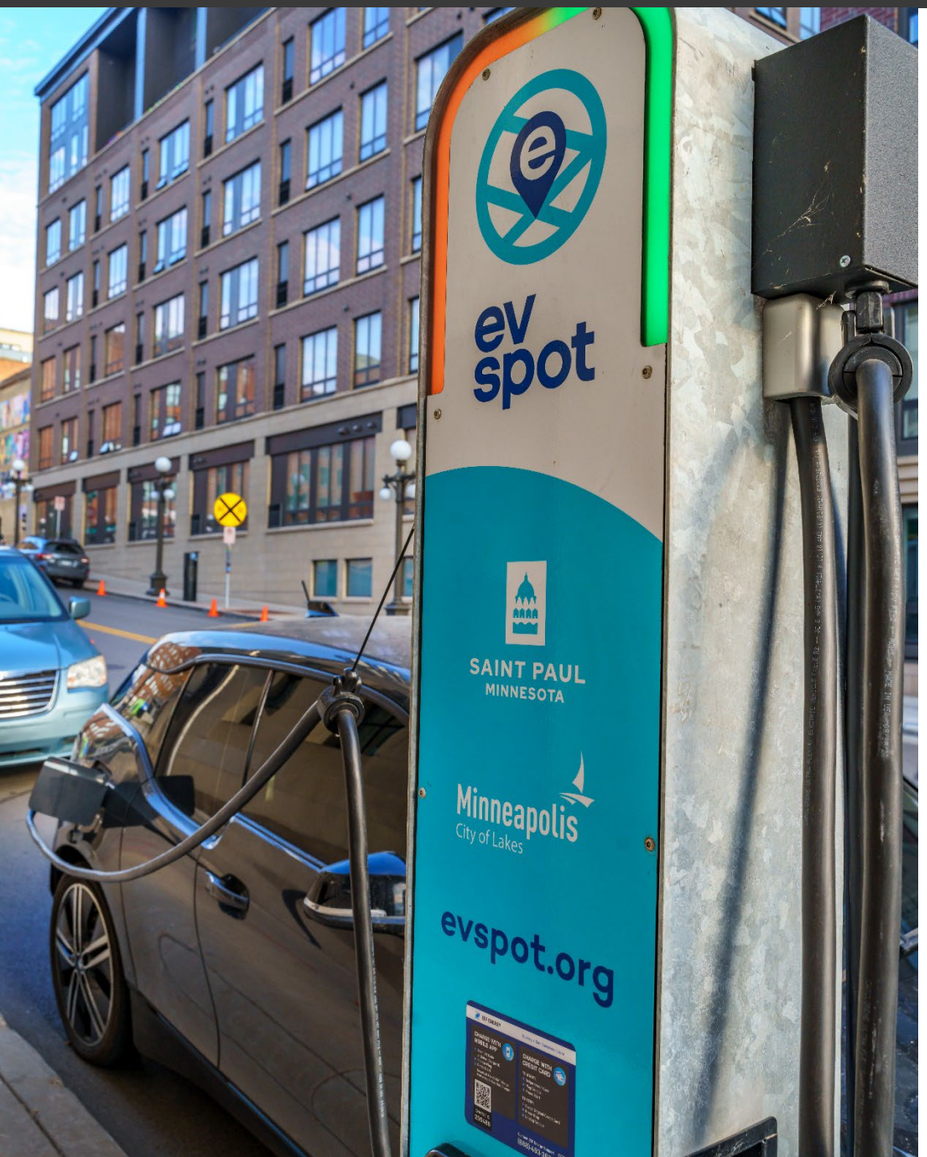
Electric Vehicle Public Charging Needs Analysis

Jan 2024 TAC Planning

METROPOLITAN COUNCIL

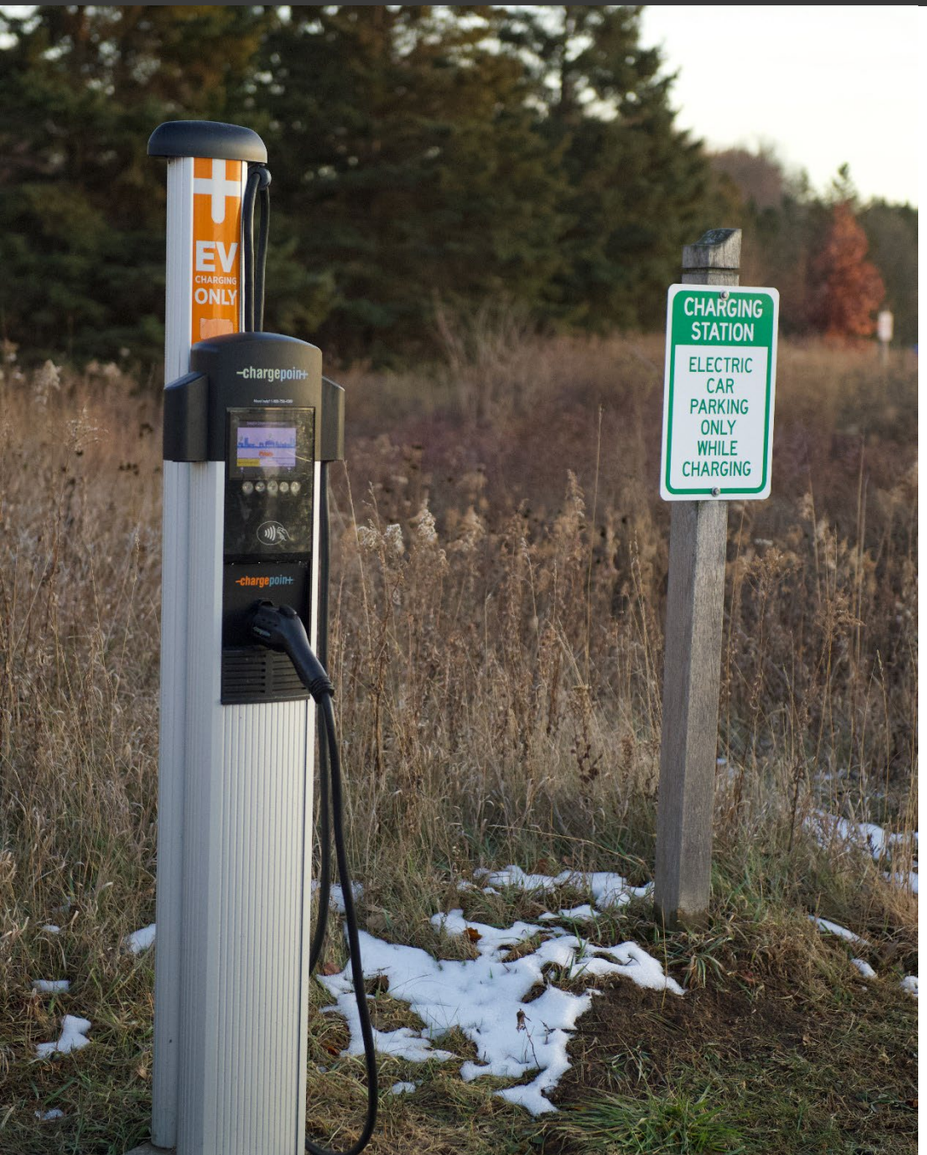
Tony Fischer Transportation Planner

2025 UPWP



- Q4 2024 – Q2 2026
- $125,000 - $175,000
- Purpose:
  - Develop a detailed ecosystem of public charging needed if the region is to accommodate and accelerate light-duty electric vehicle adoption
  - Estimate and identify remaining gaps in public charging infrastructure investment needs
- Consider:
  - Geography: Urban/rural, residential/commercial, specificity, etc.
  - Level I, Level II, DCFC
  - Retail parking lots, curbside, government buildings
  - Electricity transmission needs/opportunities
  - Near term priorities
  - Added funding level needs and sources

MnDOT EVINA project



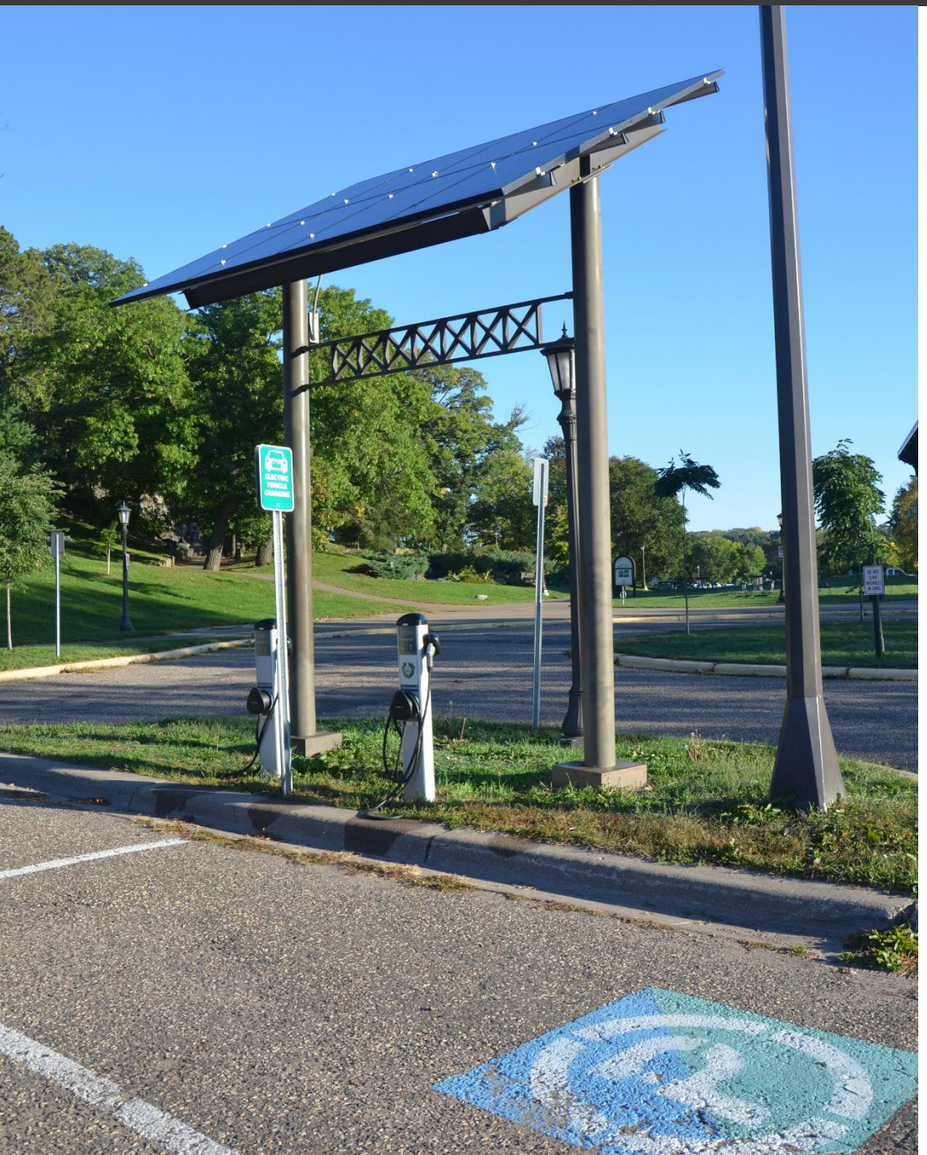
Key differences

- MPO boundary vs. Statewide (focus on greater MN)
- All public charging needs vs. long corridor charging needs
- Various targets vs. tie to 20% electrification

Keep in mind

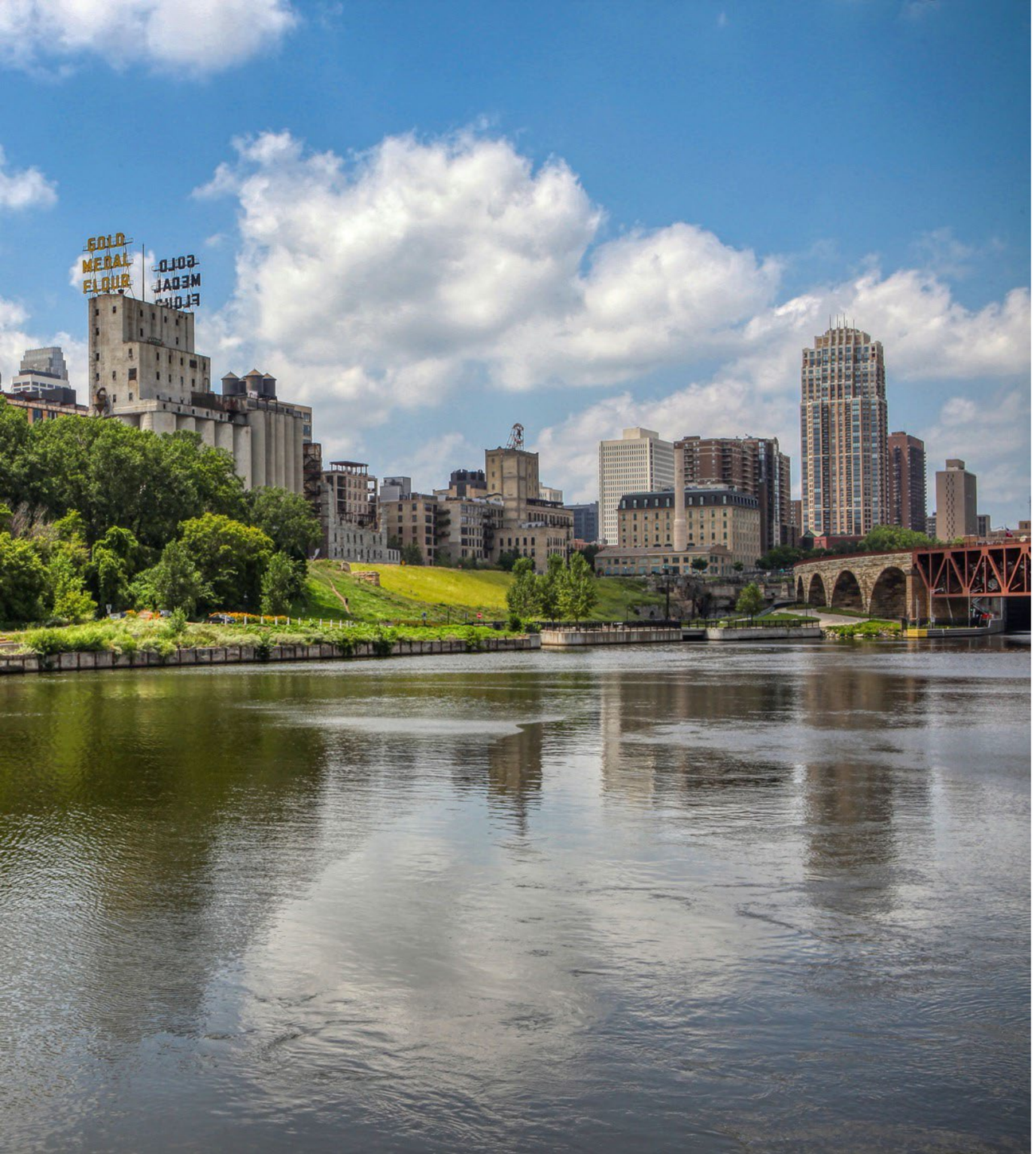
- Tie to TPP goals, objectives, policies and actions
- Interactive map tool
- Serves our regional solicitation and other implementors

LRRB: Best Practices for Electric Vehicle Charging Stations



- Serves MN agencies re what has been done and best practices
- Identify:
  - Regulations for municipalities that influence EV charger implementation
  - Financial/maintenance responsibilities for EV charging infrastructure
  - Potential funding sources for EV infrastructure
  - Key considerations for EV charging location. Work in tandem with MnDOT who is developing an infrastructure needs assessment
  - Power requirements and specifications to work with local utility providers

Lead: SRF Budget: $75,000 Duration: 18 months



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