

Defining Public Transit Innovations and Enhancements

Framework (goals of the category)

- **Efficiency, quality and experience**
- **Foster the development and revitalization of Minnesota's public transportation systems.**
- **Increase public transit system reliability and operational efficiency.**
- **Maximize the safe, secure, and efficient mobility of individuals.**
- **Improve the safety of Minnesota's transportation system.**
- **Reduce transit-related injuries, fatalities, and accidents.**
- **Outside sources Funding , prepare for potential future federal funding opportunities**

SAFETY - Promote Safety, Enhance Effectiveness, Increase Efficiency

- a. Improved safety through application of next-generation vehicle technology.
- b. Innovative safety practices to improve worker and rider safety.

INFRASTRUCTURE - Expand Infrastructure Quality

- a. Supporting more energy efficient technology to minimize environmental impacts.
- b. Improve capital asset management, lifecycle maintenance, and reduce operational costs.
- c. Reduce congestion through asset innovation.
- d. Next-generation technology to improve public transit infrastructure.

MOBILITY INNOVATION - Improve the Transit Rider Experience, Enhance Mobility

- a. Public transportation innovation to improve the traveler's experience by providing everyone with equitable, accessible, traveler-centric service.
- b. Next-generation technology to minimize transportation-related fuel consumption.
- c. New service models that effectively and efficiently leverage public and private assets and technology to increase quality of life in communities.

Eligible Project Examples

Innovative Technologies

- Routing software
- Application (mobile devices) development
- Electronic fare collection
- Web design or redesign
- Scheduling software
- AVL technologies
- Computer/IT asset upgrades
- Dispatch software
- Wi-Fi on buses
- Wi-Fi upgrades to operations center
- GPS data collection (fare and ridership) systems or assets

System Enhancements

- Multimodal connections
- Staffing additions
- Staff Training
- Marketing improvements (video, social media, on demand/ping advertising)
- Sustainability enhancements (reductions in greenhouse gas emissions, low carbon emissions)
- Call center or scheduling efficiencies/improvements
- Driver training
- Travel/Rider training
- Specific building enhancements (security system, electrical, heating, lighting)