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)