



Highway Investment Plan

TPP Technical Working Group



December 2023

metro council.org

Chapter Review, background

- **Highlighted yellow** areas represent data, maps and text that are actively being worked on
- Less but better
- Regionally significant projects are required to be in this plan
- Material suggestions preferred over grammar/word choice
- Suggestions for graphics, call out text and photos helpful
- Coordination across chapters is ongoing
- Sept. 14 Highway Investment Preview [here](#)

Highway Chapter Outline



- **Introduction**
 - Regional Highway System
 - Met Council Role in Planning for Highways
 - Relationship to Plan Goals
- **Existing Highway System**
 - Preservation of a Large and Aging System
 - Safety
 - Multimodal Needs Along and Across Highways
 - Recurring Congestion and Reliability
 - Funding (State, Local and competitive)
- **Highway Investment Plan**
 - Principles
 - Investments
 - Operations and Maintenance
 - Preservation of Existing Highway Assets
 - Safety
 - Regional Mobility
 - Direction for Unallocated Funding

Introduction, Regional Highway System

- Mode share, transit and freight on highways
- Population growth anticipated
- Regional Highway System
 - Principle and Minor arterials
 - Ownership
 - Centerline miles and VMT across functional classes



Introduction, Highway Planning



- Relationship to State Multimodal Transportation Plan (SMTP) and Minnesota State Highway Investment Plan (MnSHIP)
- Regional Solicitation
- Role of studies to inform investments and difficult issues
- Regionally Significant definition
- Congestion Management Process
- Preliminary Interchange Approval Process (Appendix F)
- Staff participation on corridor studies
- Comprehensive Plans
- Metro Freeway Project Approvals
- Right-of-Way Acquisition Loan Fund

Introduction, Relationship to Goals

TPP Goals from Regional Development Guide

- Our region is equitable and inclusive
- Our communities are healthy and safe
- Our region is dynamic and resilient
- We lead on addressing climate change
- We protect and restore natural systems



Existing Highway System



- Preservation of a Large and Aging System
- Safety
- Multimodal Needs Along and Across Highways
- Recurring Congestion and Reliability
- Funding
 - State Highways
 - Local Investments
 - Competitive Opportunities

Highway Investment Plan, Principles



- Safety for all users first
- Prioritize existing problems
- Largest investments are expected for preservation, use these as catalysts to achieve multiple goals
- Highways serve multiple modes
- Mobility projects are necessary
 - Address excess delay
 - Mobility hierarchy orders strategies beginning with the least costly/impactful (TDM, traffic management technologies, spot mobility, interchanges, managed lanes, targeted regional capacity)
- Use existing infrastructure and ROW to maximum extent possible
- Coordinate regional and local projects

Highway Investment Plan, Investments

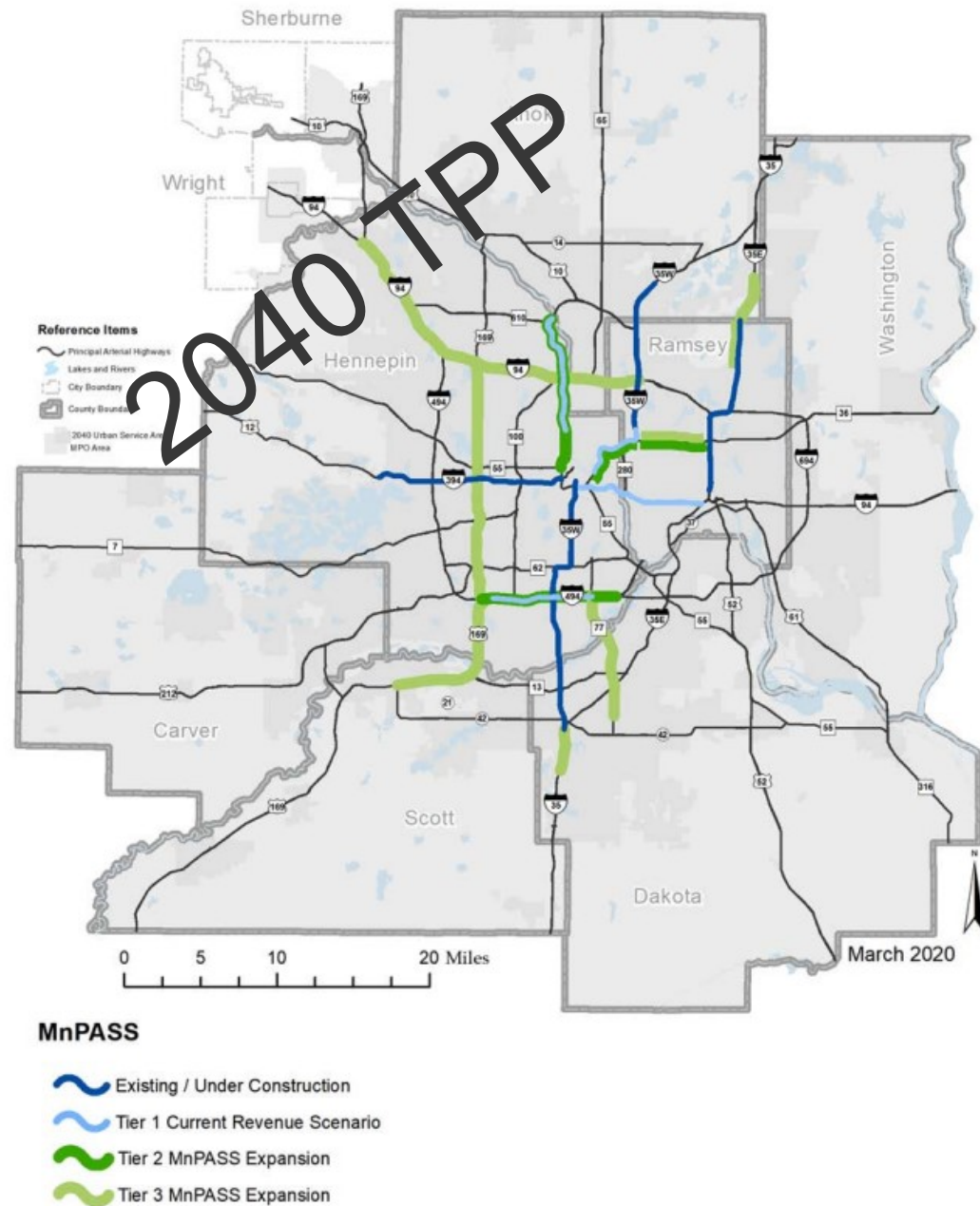
Four Investment Categories:

- Operations and Maintenance
- Preservation of Existing Highway Assets
- Safety
- Regional Mobility



Highway Investment Plan, Mobility

Figure 5-18: MnPASS Projects: Increased Revenue Scenario



- Travel Demand Management
- Traffic Management Technologies
- Spot Mobility
 - Regional Solicitation Spot Mobility
 - CMSP 4 w/ ROI < 10 years, ~\$100m
 - FSIS at-grade, <\$10m, ROI <4 years
 - IMSS ~63 additional at grade solutions
- Interchanges
 - Regional Solicitation, locally led
 - Intersection Mobility and Safety Study (5)
- Managed Lanes
 - I-494, MN 252/I-94 and I-35W Gateway
- Targeted Regional Capacity (was “Strategic Capacity”)
 - Regional Solicitation
 - Locally led projects

Highway Investment Plan, Unallocated

- Priority
 - Safety
 - Regional Mobility
 - Multimodal/ADA
- Rethinking I-94



Work Program



- Regional Safety Action (2024)
- Congestion Mitigation Safety Plan (2024)
- E-ZPass Prioritization ~ 2025
- Main Streets/Urban Pavement Prioritization
- Existing Interchange Modernization Study

- **Other ideas?**



Thank you

Tony Fischer

Transportation Planner
Metropolitan Transportation Services

