



2050 Transportation Policy Plan

Introduction and Technical Working Group Welcome

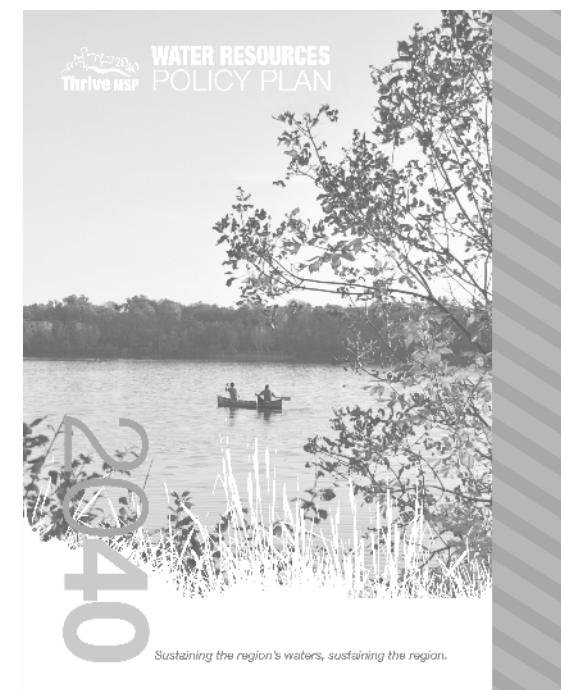
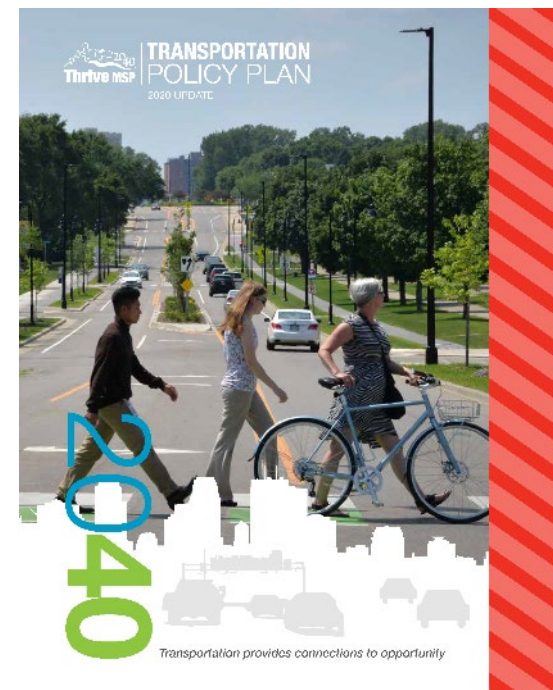
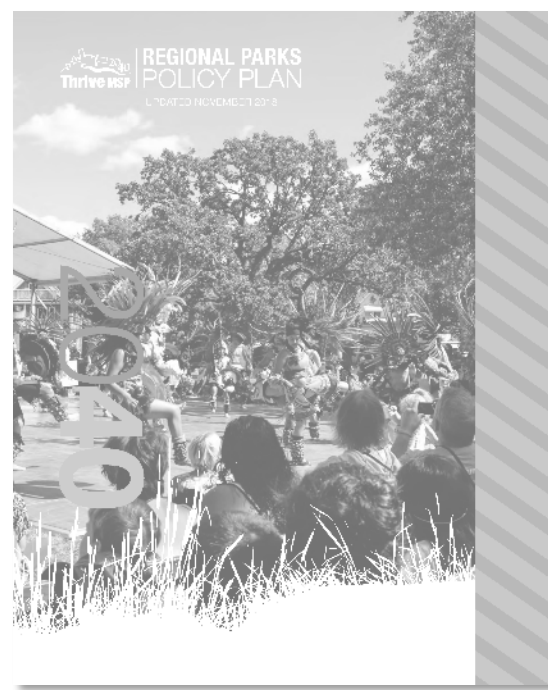
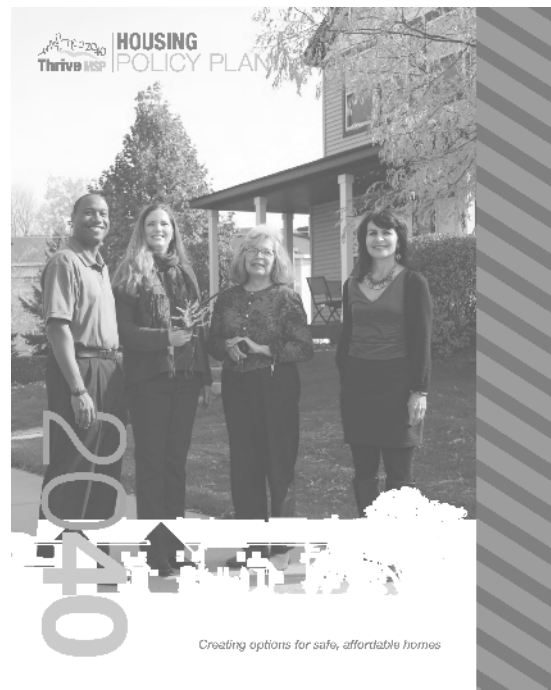


May 2022

metro council.org

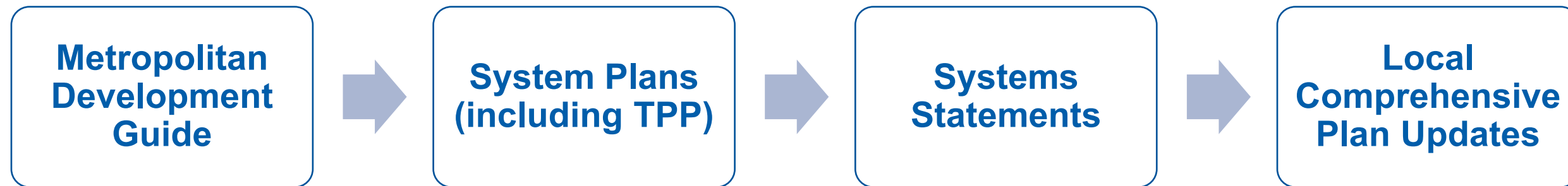
What is the TPP? (State)

The TPP is the state-required system plan for transportation.



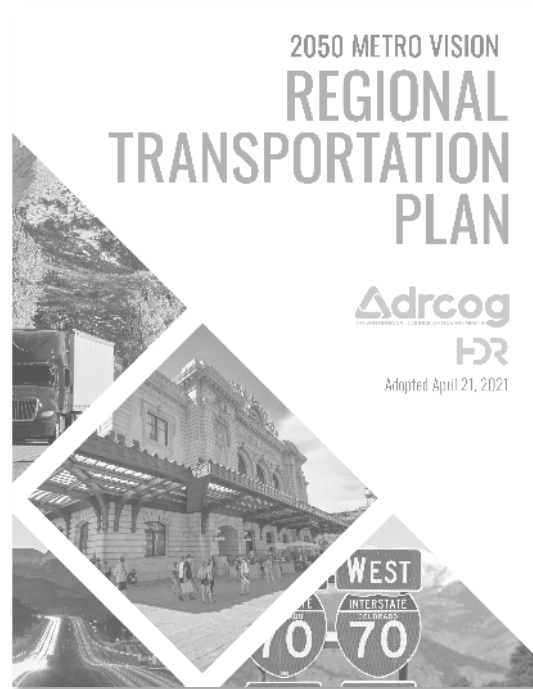
TPP and Local Comprehensive Plans

The TPP provides guidance on regional transportation for local comprehensive plan development.



What is the TPP? (Federal)

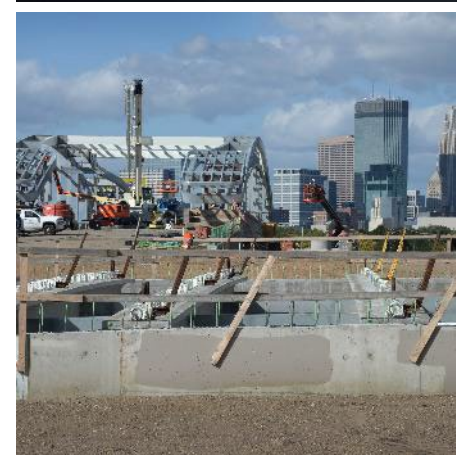
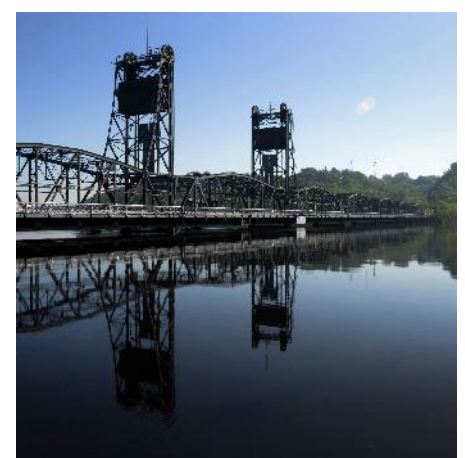
The TPP is the federally-required metropolitan transportation plan.



Federal Requirements

Metropolitan Transportation Plans must...

- Cover all surface transportation modes
- Cover at least 20-years and forecasted growth
- Be fiscally constrained under reasonable financial assumptions
- Include:
 - federal performance measures and targets
 - all regionally significant projects
 - air quality and environmental justice analysis
 - a congestion management process



Plan Coverage

- Provides strategic investment direction, major investments, and performance outcomes for regional systems
 - Principal arterials (freeways, expressways)
 - Minor arterials (state, county, and city owned)
 - Transitways
 - System-level transit guidelines and standards
 - Metropolitan airports
- Provides strategies for advancing regional outcomes
 - MnDOT through Statewide Multimodal Transportation Plan, State Highway Investment Plan, Capital Highway Investment Plan
 - Metropolitan Council and application partners through Regional Solicitation
 - Local governments through comprehensive and corridor planning

Current TPP Goals



Transportation System Stewardship

Sustainable investments in the transportation system are protected by strategically preserving, maintaining, and operating system assets.



Safety and Security

The regional transportation system is safe and secure for all users.



Access to Destinations

A reliable, affordable, and efficient multimodal transportation system supports the prosperity of people and businesses by connecting them to destinations throughout the region and beyond.



Competitive Economy

The regional transportation system supports the economic competitiveness, vitality, and prosperity of the region and state.



Healthy and Equitable Communities

The regional transportation system advances equity and contributes to communities' livability and sustainability while protecting the natural, cultural, and developed environments.



Leveraging Transportation Investments to Guide Land Use

The region leverages transportation investments to guide land use and development patterns that advance the regional vision of stewardship, prosperity, livability, equity, and sustainability.

TPP Content/Chapters

Organizational

- Overview
- Vision
- Strategies
- Finance
- Work Program
- Project List

Investment Plans

- Highway
- Transit
- Bicycle & Pedestrian
- Freight
- Aviation

Cross-Cutting

- Land Use
- Performance Outcomes
- Equity and Environmental Justice
- Climate and Environment*
- Travel Demand Management*
- Safety*

*Tentative

Planning Cycle



Studies to Inform Policy Development

Example Completed

- Mobility Hub Planning Guide
- Highway Mobility Study

Example Ongoing

- Safety Study
- TDM Study
- Equity Evaluation of Transportation Investments
- Transportation and Climate Change Multimodal Measures

2050 Transportation Policy Plan

- Policies
- Investments
- Performance
- Modelling

Highway Mobility Study Example

2040 Investment Scenarios & Outcomes Identified

Identified

- New measure for Highway Mobility (Annual Delay per Capita)
- 20-year investment need
- Potential outcomes of 20-year investment

Will be considered in

- MnSHIP
- TPP Highway Investment Direction and Plan
- TPP Performance outcomes

Scenario	Implement Planned Investments	Extend Current Investment	Manage Decline in Regional Mobility	Sustain Regional Mobility	Improve Regional Mobility
20-Year Investment	\$0-\$375 million	\$1-\$2 billion	\$2-\$3 billion	\$3-\$5 billion	\$4-\$6 billion
Annual Delay per Capita 📅 = An 8 hour workday -- = Delay per capita in 2018	🕒 56 hours 📅📅📅📅 📅📅 14 hours more than 2018	🕒 52 hours 📅📅📅📅 📅📅 10 hours more than 2018	🕒 48 hours 📅📅📅 📅📅 6 hours more than 2018	🕒 44 hours 📅📅📅 📅 2 hours more than 2018	🕒 40 hours 📅📅 📅 2 hours less than 2018
Jobs Accessible to Typical Twin Cities Resident (within 30 minute drive during AM peak) 📁 = 200,000 jobs accessible	👤 740k jobs 📁📁📁 Same as 2018	👤 820k jobs 📁📁📁 80k jobs more than 2018	👤 860k jobs 📁📁📁 120k jobs more than 2018	👤 900k jobs 📁📁📁 160k jobs more than 2018	👤 920k jobs 📁📁📁 180k jobs more than 2018
2040 Benefit from Travel Time Savings 💰 = 100 dollars per household	N/A	💰💰 \$200	💰💰💰 \$400	💰💰💰💰 \$600	💰💰💰💰💰 \$800
Freight Bottlenecks Improved	🚚🚚🚚🚚 0%	🚚🚚🚚🚚 39%	🚚🚚🚚🚚 65%	🚚🚚🚚🚚 90%	🚚🚚🚚🚚 95%
Greenhouse Gas Emissions	4 million metric tons per day in 2040 (Substantial decreases in greenhouse gas emissions through year 2040 are projected based on vehicle efficiency improvements; the overall magnitude of regional emissions in 2040 are not greatly influenced by these highway mobility investment scenarios, but further study is needed.)				
Risk of Not Reaching Delay Target	HIGH	HIGH	MODERATE	MODERATE	LOW

How is the TPP used?

Highway Investment Chapter Example

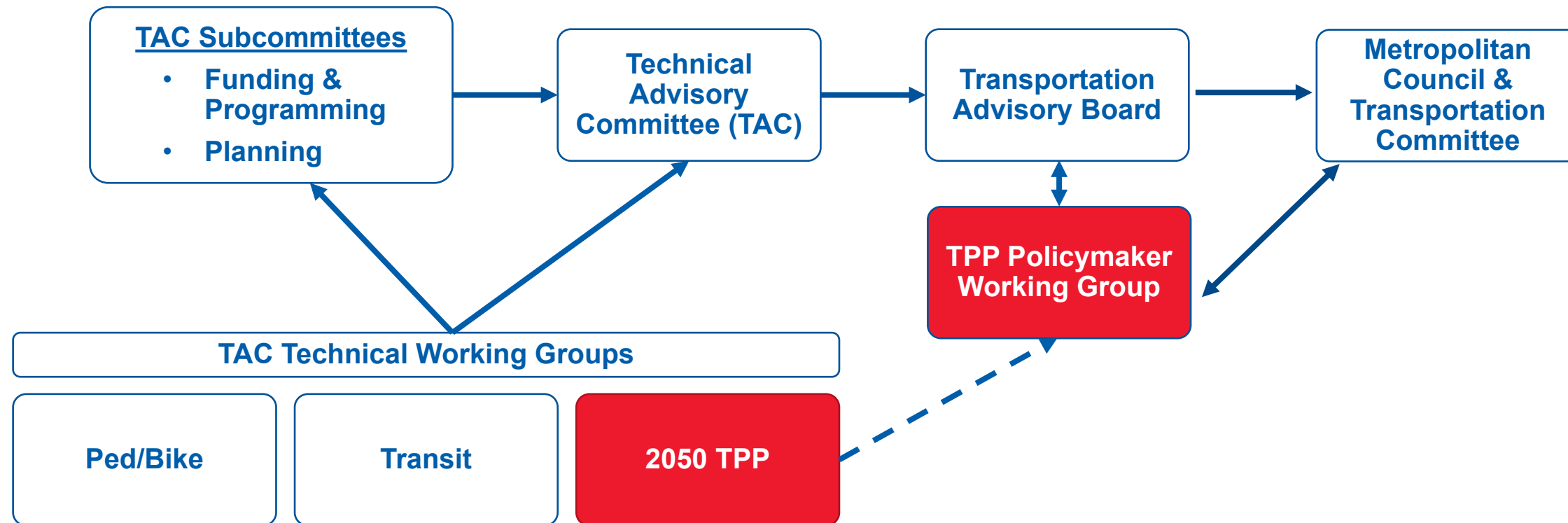
- Documents all planned regionally significant highway investments in the region
- Establishes a funding need and demonstrates priorities (e.g., maintenance first)
 - Roadway functional classification (federal requirement)
 - Establishes which roadways are eligible for certain funding
- Guides roadway functional class considerations, design, etc.
- Influences certain investment categories and prioritization through studies and inclusion of their results in the TPP
 - Twin Cities mobility projects and the Minnesota Statewide Highway Investment Plan (e.g., EZPass, spot mobility)
 - Regional Solicitation (e.g., spot mobility and safety, intersection-to-interchange priorities)

Working Group Responsibilities



- Provide technical expertise on regional planning
- Provide technical perspectives from your agency or similar communities
- Review TPP chapters and supporting work products
- Circulate documents within agencies for review and comment prior to policymaker action

Role of the Technical Working Group



Workplan

2022

- Potential scenario planning workshop
- Discussions on 2050 Regional Vision
- Adaptation and creation of policies/strategies into new 2050 regional development guide structure

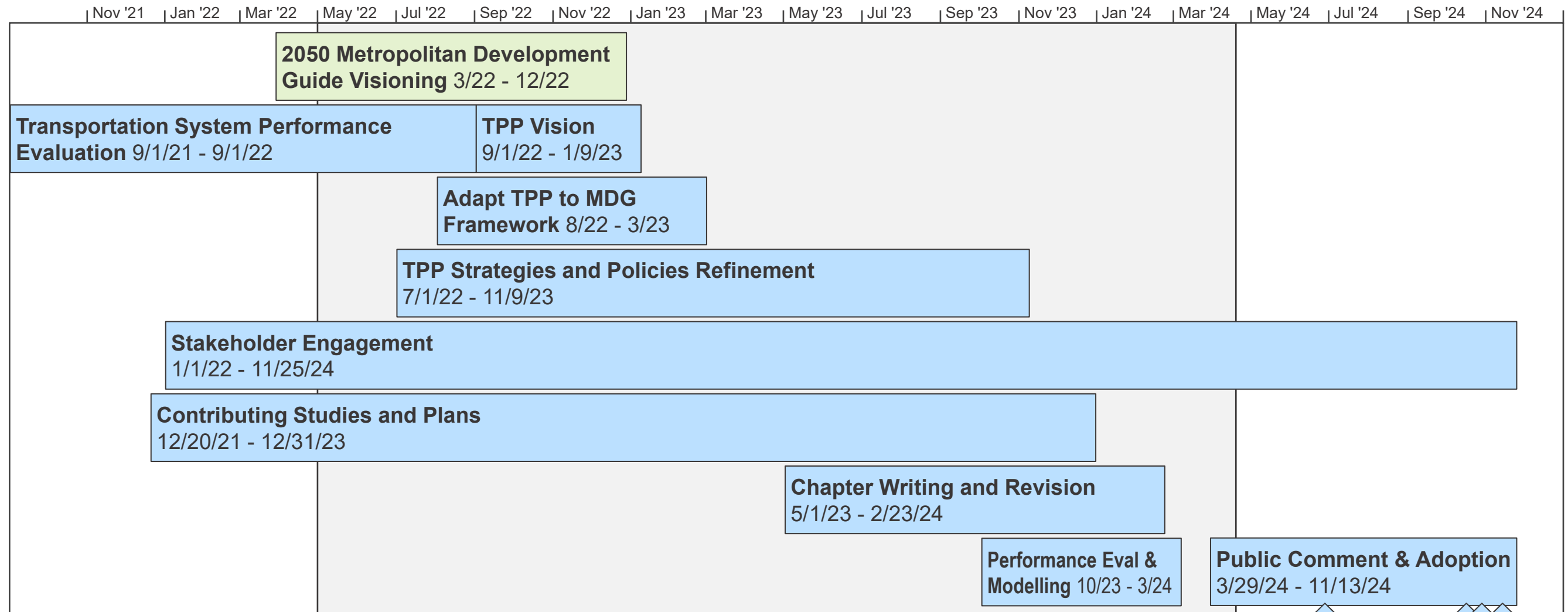
Early 2023

- Put TPP study findings into action
- Engage with planning study progress and findings

Mid 2023-2024

- Review chapter content for technical feedback
- Circulate chapters for agency review

2050 TPP Schedule



The next Regional Solicitation update is scheduled for 2025 or 2026 and will not overlap the TPP schedule.



Potential Topics

Transportation Issues to Address in the 2050 TPP Update

- Transportation response to climate change mitigation and adaptation, including electric vehicles
- The impacts of the COVID-19 pandemic on travel behavior and land use and how investment plans should adapt accordingly
- Need to identify and address the causes of growing safety and security issues on transportation system
- Address how congestion management fits within the TPP's policy framework relative to other priorities
- Update or add funding direction for new or expanded IIJA federal programs, including those in the Regional Solicitation

Going Forward

- Meetings second Tuesday monthly, 1:35pm
- Microsoft Teams/Sharepoint collaboration site
- Agendas posted online

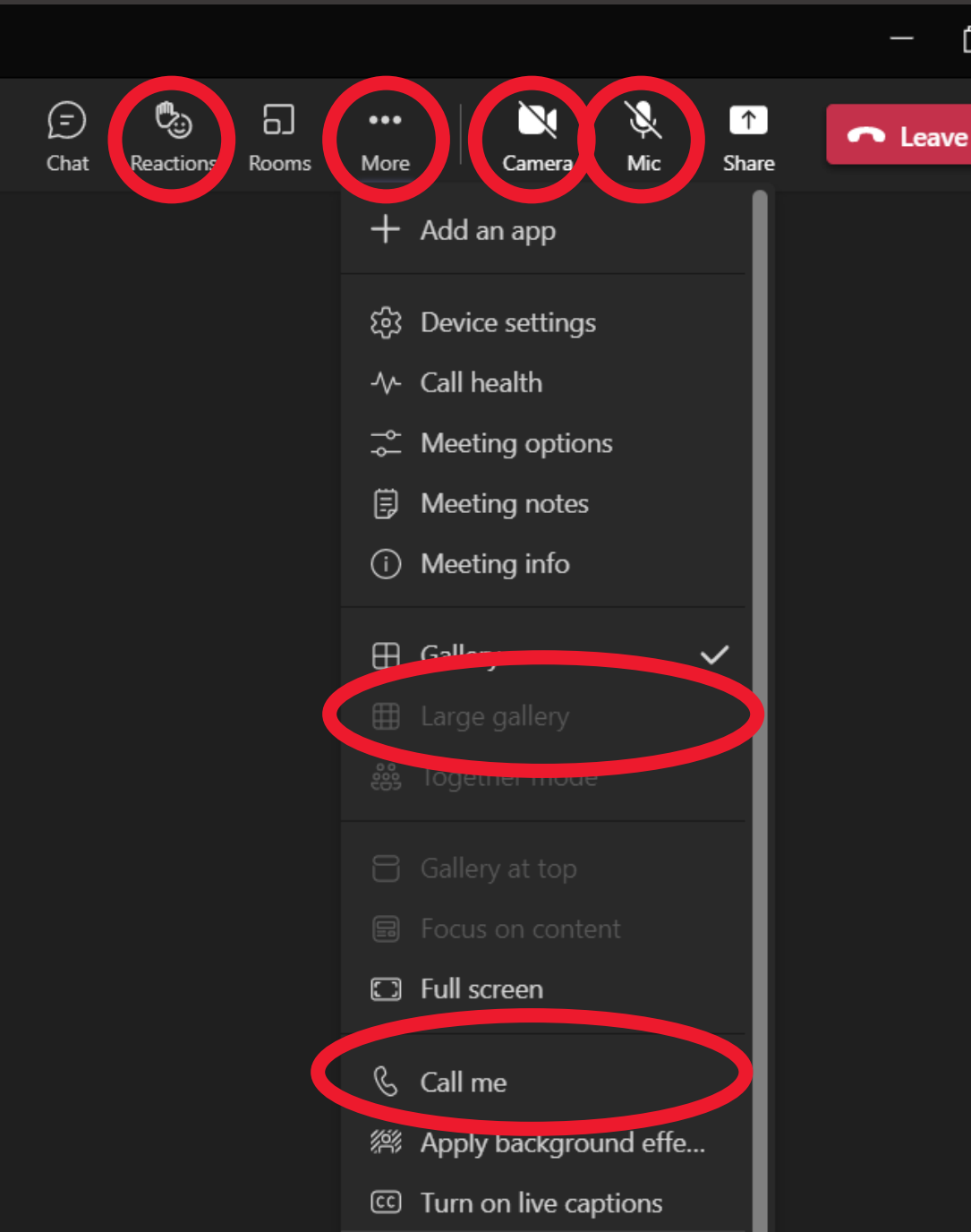
Future Meetings

- Small-group discussion and collaboration exercises
- Hear study information items and provide feedback
- Review and discussion of TPP policies, strategies, and chapters

Small Group Discussion

- What issues in your work, current or emerging, are important for the 2050 TPP to address?
- What transportation outcomes need most attention to advance?

Microsoft Teams



Meeting Tips

- Please use the “raise hand” option in the reactions menu
- Consider turning your camera on
- Mute when you are not speaking in the large group
- If you are experiencing connection issues, consider switching to large gallery (one stream) or using a phone for audio connection
- Contact Jed Hanson at jed.hanson@metc.state.mn.us or 701-367-0609 during breakout sessions if you experience technical difficulties

Contacts

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