2040 Transportation Policy Plan Update
Proposed Work Program
Highways – Work Program Items

• Congestion Management Process Plan
  – Assess thresholds for congestion
  – CMP Handbook of corridor analysis methodology

• Highways Performance Measures and Funding Decisions
  – Identify mobility (congestion reduction) performance measures for the region
  – Estimate a mobility monetary need value
  – Coordinate with MnDOT for state investment planning

• Regional Solicitation Projects Before and After Analysis

• Connected and Autonomous Vehicles

• Assessment of Regional Congestion Mitigation Philosophy (New)
Highways Work Program - Assessment of Regional Congestion Mitigation Philosophy

- Public conversation of current approach
- Policymaker, technical stakeholders and general public input
- Analysis of future congestion, funding levels, trade-offs
- Goal to reaffirm, refine, or change direction in 2050 TPP
Transportation Research and Modeling - Work Program Items

• Travel Behavior Inventory Program
  – Household travel surveys continue
  – Transit On-Board survey
  – Special Generator surveys

• Regional Travel Demand Model updates
Transit – Work Program Items

• Comprehensive Transit Finance Report
• Bus Service Allocation Study
• Network Next
  – Local Bus Speed and Reliability Improvements
  – Arterial Bus Rapid Transit Network Update
• Downtown Transit Capacity and Transit Advantages Analysis
• Microtransit and Shared Mobility Access to Transit (New)
• Mobility Hub Planning Guide (New)
Transit Work Program – Shared Mobility/Microtransit

- TPP has yet to define role for Shared Mobility and Microtransit in the region; policy limited to defining them as potential alternative to fixed route transit
- Need for policies and strategies to define how Shared Mobility and Microtransit can help achieve regional goals
- Work program item is purposefully open-ended to allow for further definition in an area of fast-evolving strategies
- Interest in Mobility Hub development and role Hubs can play in the transportation system
Bicycle – Work Program Items

• RBTN Bikeway Facility Guidelines and Measures Study
  – Provide recommendations for preferred facility types on RBTN alignments in urban, suburban areas and in rural areas hosting RBTN
  – Develop recommended guidelines for applying quantifiable measures when evaluating requests for new or re-aligned RBTN corridors and alignments
  – Guidelines used to evaluate requests for RBTN additions/changes prior to each Solicitation

• Regional Bicycle System Inventory Update
• Regional Bicycle and Pedestrian Count Program
Pedestrians – Work Program Items

• Pedestrian Safety Action Plan
  – Analysis of historic crash data to identify trends and systemic analysis to identify risk factors and priority areas
  – Recommend countermeasures and programmatic changes

• Regional Sidewalk Inventory Development
  – Lack of consistently available data
  – Using other MPOs as models, develop regional routable network dataset for planning level use
  – Needs further discussion and refinement

• Review of Best Practices for Walkable Neighborhoods
Freight – Work Program Items

• Industrial Land Atlas Mapping Tool (led by Community Development)
  – On-line, interactive mapping tool
  – Facilitates identification/prioritization of industrial sites for development
  – Assists cities in identifying where land should be preserved for industrial uses

• Regional Truck Data Collection Framework
  – Determine best methods and process for collecting & managing truck data on Regional Truck Freight Corridors
Aviation – Work Program Items

• Regional Aviation System Study
  – Update 2009 System Study
  – Include MSP and reliever airport long range plan update information
  – Include improvements since 2009
  – Update forecasts
  – Impacts of unmanned aerial systems (drones)
General System Planning – Work Program Items

• Transportation Safety Planning and Priorities for the Region
• Equity Analysis for Transportation
• Electric Vehicles Planning Study
• Inventory and Planning Scenarios for Greenhouse Gas Emissions (led by Community Development)
Electric Vehicles Planning Study

• Important element of climate mitigation
• Scan of current activities, charging opportunities, market
• Analyze traffic patterns and knowledge/perceptions/needs of public, fleet managers, staff and/or policymakers
• Fill information gap for public, fleet managers, staff and/or policymakers
  – Electricity generation, how to charge to help green the grid
  – Total cost of ownership, available EVs
  – Potential co-benefits (health, transit, others?)
• Evaluate additional charging needs
  – Consider a wide variety of use cases
  – Equity implications of various investments
Inventory and Planning Scenarios for Greenhouse Gas Emissions

• Inventory regional and community greenhouse gas emissions
• Create an on-line inventory and interactive map
• Develop regional and community-level scenarios and strategies that can be analyzed for potential impact to greenhouse gas emissions