

2040 Transportation Policy Plan Update Proposed Work Program

Transportation Advisory Board

02/19/2020



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