

Travel Behavior Inventory and Regional Model



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Travel Behavior Inventory Overview

- Supports estimation and updates of region travel models
- Directly informs transportation planning
- Key elements
 - Household travel survey (every 2 years)
 - Transit on-board survey (every 5 years)
 - Special generator surveys / data purchases (as needed)
 - Travel model updates

Model Background

- The Metropolitan Council, like all large MPOs, maintains a regional transportation forecasting model.
- The model is regularly updated to reflect changes in
 - Regional transportation networks
 - Observed travel patterns and behaviors
 - Questions of interest to planners and policymakers
 - Evolution of best-practice methods
 - Lessons learned

Travel Behavior Inventory Funding Split

- Cooperative funding split since 2018:
 - 1/3 Regional Solicitation
 - 1/3 MnDOT
 - 1/3 Council local sources
- Funding request from Council, each cycle, reviewed by Regional Travel Forecasting Committee

Travel Behavior Inventory Funding History

- 2016 (startup): \$2,700,000
- 2018: \$585,000
- 2020: Skipped request to sync unique project timeline
- 2022: \$733,000
- 2024: \$1,250,000
- 2026: \$1,500,000 (placeholder)

2016-2024 Solicitations: Individual Projects

Complete

- 2019 HH Travel Survey
- 2021 HH Travel Survey
- 2023 HH Travel Survey
- 2022 Transit On-Board Survey
- 2020 COVID-19 Travel Survey
- Model: Transportation model network rebuild
- Model: Population synthesizer update
- Model: Network assignment improvements
- Model: Regional STOPS model
- Model: Regional STOPS model update
- Model: ActivitySim implementation Phase I
- Model: Regional Tourcast model update
- Model: ActivitySim implementation Phase II
- Model: Network Wrangler maintenance and enhancement

Underway or Upcoming

- 2026 Household Travel Survey
- 2027/2028 Household Travel Survey
- 2029/2030 Household Travel Survey
- 2027 Transit On-Board Survey
- 2026/7 Special generator and 3rd party data purchase TBD
- Model: Airport model improvements
- Model: Network Wrangler improvements
- Model: 2028/2029 Model updates TBD

Likely 2026 Solicitation Request

- Elements
 - 2031 Household Travel Survey
 - 2030/31 Special generator / population surveys
 - 2030/31 Model Updates
- Cost Considerations
 - Updating cost estimates of Household Travel survey to reflect actual costs of 2026/8
 - Updating desired sample size to reflect best practice, desired uses, and updated socio-demographic data
 - Consideration of emerging data collection methods



Thank You

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