



2040 Update

TAC Planning

February 09, 2017



What is the TPP?

- Long-range transportation plan for the Twin Cities region
- Part of the federal 3C planning process – cooperative, continuous, comprehensive
- Required under state and federal law
- Prepared by Council in coordination with
 - Transportation Advisory Board
 - Minnesota Department of Transportation
 - Metropolitan Airports Commission
 - Local governments
 - Public input
- Includes multiple modes – highways, transit, bikes, pedestrians, freight, aviation

Why Update the TPP Now?

- Federal law requires MPOs to update their long range surface transportation plans every four years (in air quality maintenance areas)
- Current 2040 plan was adopted January 2015, approved by FHWA / FTA March 2015
- State law only requires an update every 10 years, other regional system plans, including Aviation not being updated
- A currently approved long range plan is required to receive federal transportation funds

Why adopt the plan in 2018 rather than 2019?

- Federal law would require a March 2019 adoption
- New administration and Council incoming winter 2019
- 2018 adoption gives greatest flexibility to new Governor/Council to adopt a new plan upon chosen schedule (if desired)
- Refine Thrive and related transportation policy direction with current Council
- Avoids potential federal noncompliance and risk to funding

Proposed Timeline

Date	Activity
January - December 2017	Staff TPP development; consult with external stakeholders
January – December 2017	Bring draft changes and recommendations through committees
January 11, 2018	Draft to TAC-Planning
February 7 and 21, 2018	Draft to TAC and TAB
March 12 and 28, 2018	Draft to Transportation Committee and Council to release for public comment
April 23, 2018	Public hearing at Transportation Committee
May 14, 2018	Public comment period closes
June 20, 2018	Info item at TAB: public comment
June TBD, 2018	Committee of the Whole: public comment
July 9 and 25, 2018	Final <i>2040 TPP Update</i> to TC and Council for adoption

Changes will be focused and limited

- Current plan has been in place only 2 years – few intervening changes
- Last update incorporated policy direction of *Thrive MSP 2040*, opportunity to better refine connection to regional outcomes
- Municipalities are in midst of comprehensive plan updates
 - 2018 plans must be consistent with and conform to 2040 plan (adopted in 2015)
 - Avoid potential confusion with partners



Expected Changes

- Updated fiscal projections for highways and transit
 - Statewide highway plan (MnSHIP)
 - Regional highway spending study
 - Transit funding and CTIB changes
- Incorporate study results
 - CMSP 4
 - MnPASS 3
 - PA Intersection Conversion Study
 - Truck Highway Corridors Study
 - Bicycle Barriers Study
 - Gold Line locally preferred alternative (LPA)
- Incorporate performance measures
- Respond to TMA Certification Review comments



Proposed Stakeholder Involvement

- Process will be a continuation of Thrive outreach
- Council member strategic management team will provide direction
- Utilize existing TAB and TAC committee structure
- Web and online engagement techniques
- Targeted listening sessions, in-person engagement
- Studies being incorporated also have public outreach

Thrive MSP Outcomes, Priorities



- Stewardship
- Prosperity
- Equity

- Livability
- Sustainability



Transportation Policy Plan 2040



Regional Connections



- Transportation investment connects people to regional destinations
- Land use is key to success of transportation investments
- Interconnectedness of modes
- Provide options

Current Regional Investment

- Current plan anticipated revenues: \$84 billion through 2040
 - Local transportation: \$42 billion
 - State highways: \$11 billion
 - Transit: \$31 billion
- Includes capital and operating funding
- Little change expected but...
 - potential legislative action
 - CTIB/county funding



Regional Investment Needs



- Increased Revenue Scenario
 - Potential for more revenue than anticipated
 - \$8-10 billion more for state highways
 - \$7-9 billion more for transit

Incorporates
Governor's funding
proposal

Vehicle Travel Projections for 7-county Region

	2010	2040 Current Revenue Scenario	Change	Percent Change
Population	2,850,000	3,673,860	+823,860	+29%
Daily Vehicle Trips	7,600,000	9,776,000	+2,176,000	+28%
Daily Vehicle Miles Traveled	72,900,000	89,420,000	+16,520,000	+23%
Daily Vehicle Miles Traveled per Resident	25.6 miles per resident	24.3 miles per resident	-1.3 miles per resident	-5%



Performance Based Planning

- Federal law requires MPOs to tie the selection of transportation investments to outcomes and measure progress towards meeting the desired outcomes (performance-based planning)
- Current plan sets Transportation System Goals, Objectives, Strategies
- A key component of performance based planning is identifying the important measures that will help the region select investments
- Selected performance measures and targets included in plan update
- Ability to describe impact of the plan

2040 Plan Goals

- **Stewardship:** Strategically preserve, maintain and operate system assets
- **Safety and Security:** The system is safe and secure for all users
- **Access to Destinations:** A reliable, affordable, and efficient multimodal transportation system connects to destinations throughout the region and beyond
- **Competitive Economy:** The system supports economic competitiveness, vitality, and prosperity of the region and state
- **Healthy Communities:** The system advances equity and contributes to communities' livability and sustainability while protecting the natural, cultural, and developed environments
- **Land Use:** Leverage transportation investments to guide land use and development patterns

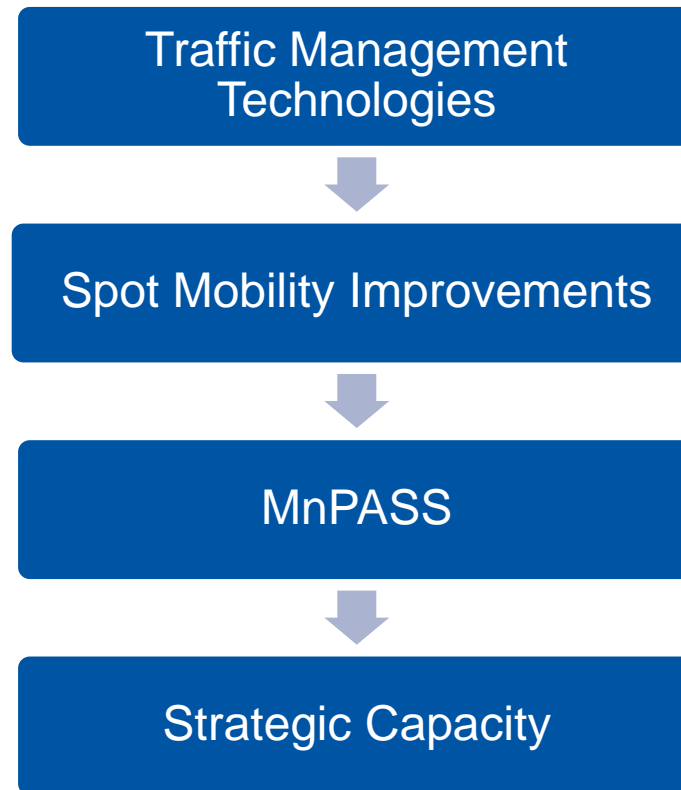


Highway Investment Direction

- Invest in highways strategically, focusing on affordable, multimodal, and flexible solutions that put priority on addressing existing problems through the regional highway system
- Congestion on the system will be a reality, and the system must be managed and optimized to the greatest extent possible



Hierarchy of Regional Mobility Investments



Current State Highway Investment

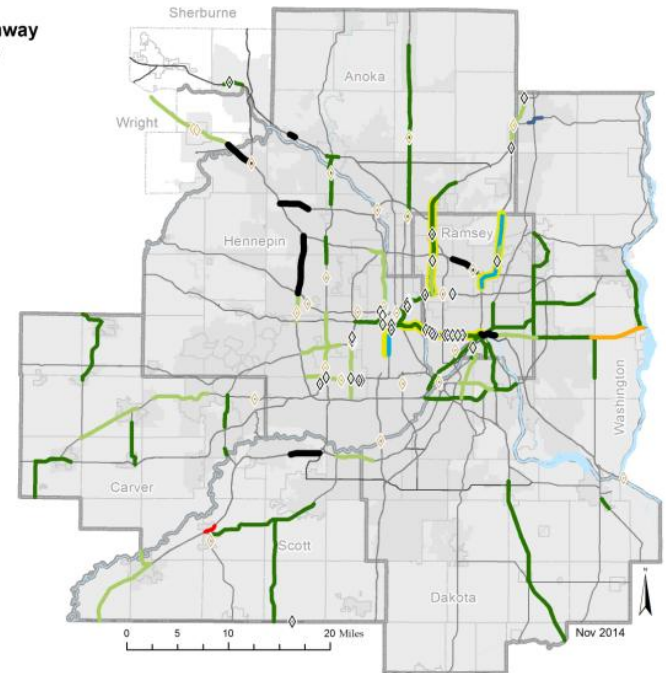
- Current Revenue: \$11 billion (capital and operating)
- MnSHIP Update shows little change
- Limited Mobility investments
- Highlight I-94 project and connections to Thrive

Identified Projects* in Highway Current Revenue Scenario

- ◇ 2015-2018 TIP Bridges
- ◇ 2019 - 2024 Bridges
- ⚡ Strategic Capacity
- ⚡ Roadside Infrastructure
- ⚡ Roadside Infrastructure / Safety
- ⚡ 2015-2018 TIP Pavement
- ⚡ 2019 - 2024 Pavement Projects
- ⚡ 2015 - 2018 Pavement / MnPass
- ⚡ 2015 - 2018 Pavement / Safety
- ⚡ Tier 1 MnPASS Expansion

*Not intended to represent all projects until 2040. Includes only those projects identified by May 2014. Subject to change and amendment.

- ### Reference Items
- ⚡ Principal Arterial Highways
 - ⚡ Other Trunk Highways
 - ⚡ Rivers
 - ⚡ City Boundary
 - ⚡ County Boundary
 - ⚡ 2040 Urban Service Area
 - ⚡ MPO Area



Increased State Highway Investment

- Increased Revenue: additional \$8-10 billion (capital and operating)
- Legislative action could increase funding
- Focus investments on combining Mobility projects with planned preservation
- A-minor/county road investments

MnPass System Vision

- Direct Connection
- Through Movement

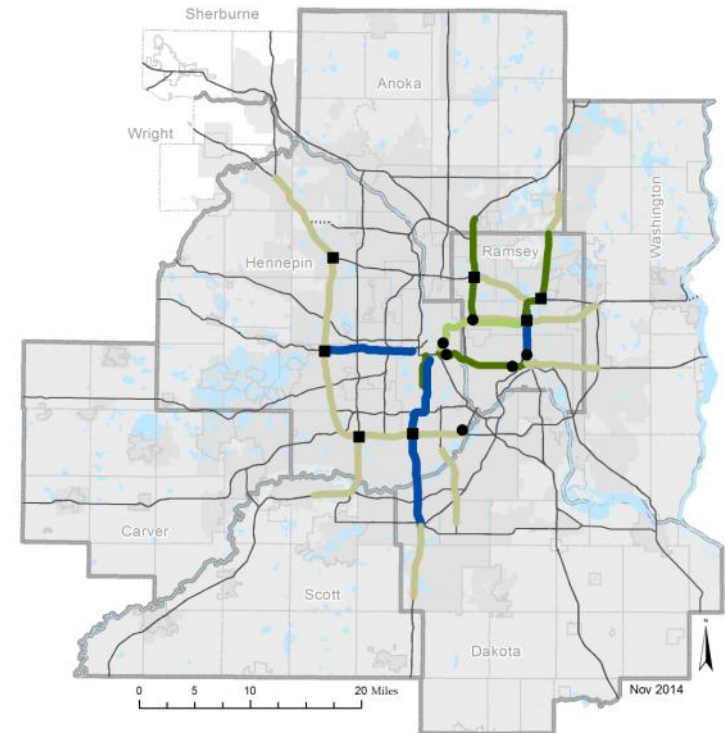
MnPASS

- Existing / Under Construction
- Tier 1 MnPASS Expansion
- Tier 2 MnPASS Expansion
- Tier 3 MnPASS Expansion*

* The I-94 east corridor is in the MnPASS system vision contingent on resolving highway right-of-way issues through further study, including the Gateway transitway Draft Environmental Impact Statement.

Reference Items

- Principal Arterial Highways
- Lakes and Rivers
- City Boundary
- County Boundary
- 2040 Urban Service Area
- MPO Area



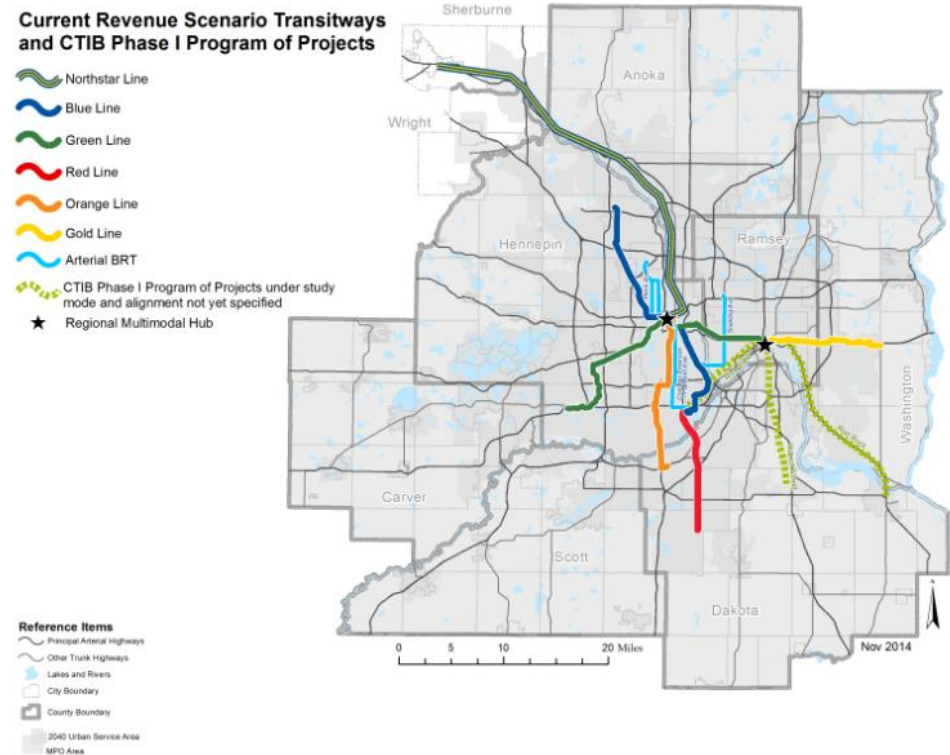


Transit Investment Direction

- Manage the existing bus and support system
 - Serve the rapidly growing demand for Metro Mobility
 - Limited improvements through capital expansion and modernization
- Expand the transitway system to guide future land use
 - Four new METRO lines (2 light rail, 2 BRT)
 - Three arterial bus rapid transit lines
 - Additional expansion through CTIB, yet to be determined
- Explore vision for accelerated transit expansion of \$2-3B for bus and \$5-6B for transitway projects

Current Transit Investment

- **Current Revenue: \$31 billion (capital and operating)**
 - 4 METRO Lines (orange, blue and green extensions, gold)
 - 3 new arterial bus rapid transit lines
 - Continued progress on other transitways being studied
 - Increase in Metro Mobility



Increased Transit Investment

- Increased Revenue: additional \$7-9 billion (capital and operating)
- Governor's proposal - additional corridor development with a focus on ABRT
- More and improved regular route services/facilities

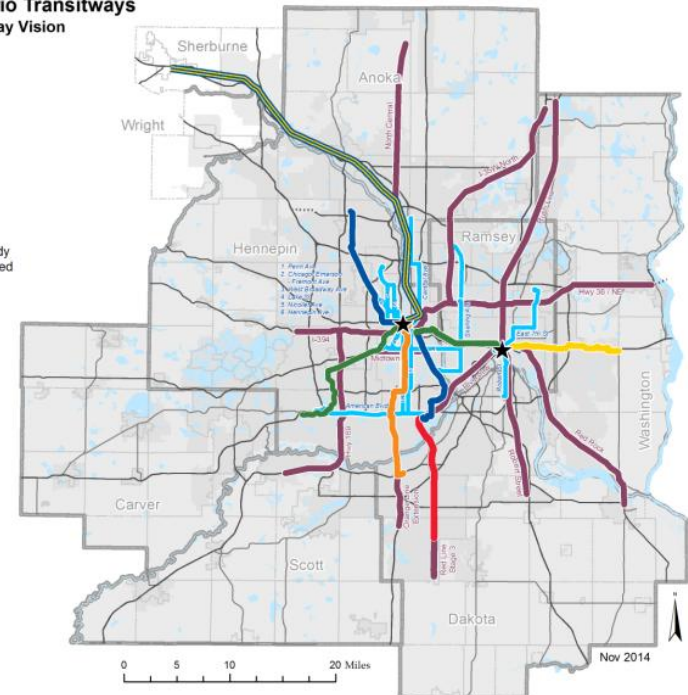
Increased Revenue Scenario Transitways Building an Accelerated Transitway Vision

- Northstar Line
- Blue Line
- Green Line
- Red Line
- Orange Line
- Gold Line
- Accelerated Arterial BRT
- Accelerated Transitways under study mode and alignment not yet specified
- ★ Regional Multimodal Hub

Increased Revenue Scenario would also include at least 1% average annual bus expansion.

Reference Items

- Principal Arterial Highways
- Other Trunk Highways
- Lakes and Rivers
- City Boundary
- County Boundary
- 2040 Urban Service Area MPO Area



Bicycle and Pedestrian Systems

- Regional Bicycle Transportation Network
 - “Backbone” system for regional transportation
 - Encourage coordinated planning and implementation
 - An integrated, seamless network of on-street bikeways and off-road trails

Regional Bicycle Transportation Network Vision

RBTN Alignments

Tier 1 Alignments

Tier 2 Alignments

RBTN Corridors (Alignments Undefined)

Tier 1 Priority Regional Bicycle Transportation Corridor

Tier 2 Regional Bicycle Transportation Corridors

Other Trail Systems

Regional Trails (Regional Parks Policy Plan)

Mississippi River Trail (US Route 45)

State Trails (DNR)

Regional Destinations

Metropolitan Job Centers

Regional Job Centers

Subregional Job Centers

Large High Schools

Colleges & Universities

Major Sport & Entertainment Centers

Highly Visited Regional Parks

Reference Items

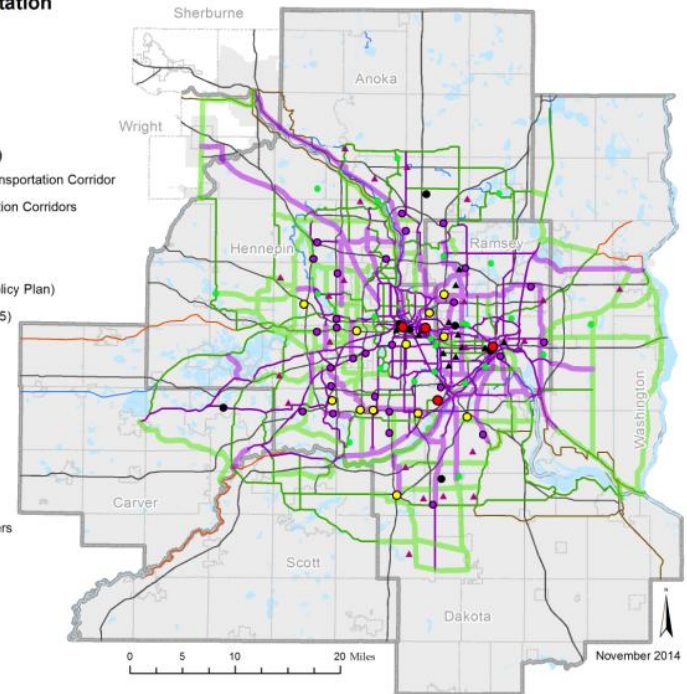
Principal Arterial Roads

Lakes and Rivers

City Boundary

County Boundary

2040 Municipal Urban Service Area MPO Area

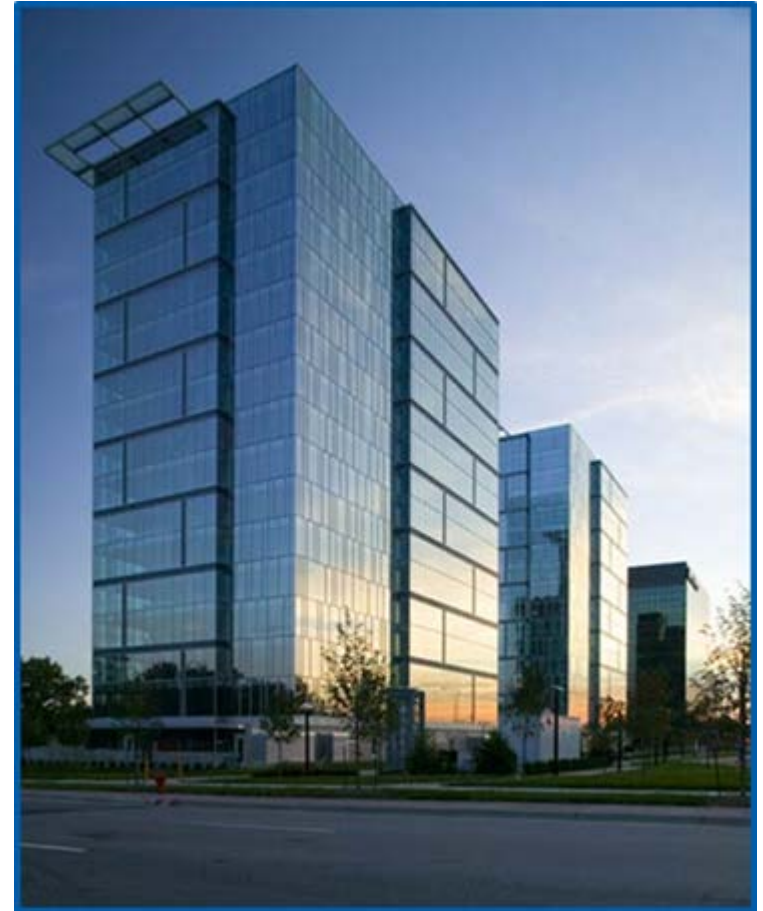


Potential RBTN Changes

- Minimum guidelines for bicycle facilities on the RBTN
- Maintenance expectations
- Protected bike facility corridors subset of RBTN
- New language to encourage bicycle/pedestrian data collection
- Incorporation of “critical barrier crossings” from Regional Bicycle Barriers Study

Land Use

- Creates policies for local comprehensive planning
- Identifies strategies, density and diversification of regional concentrations
- Establishes requirements, guidelines for land use to support transit investments: density, activity, best practices
- Minor edits and refinements expected



Aviation

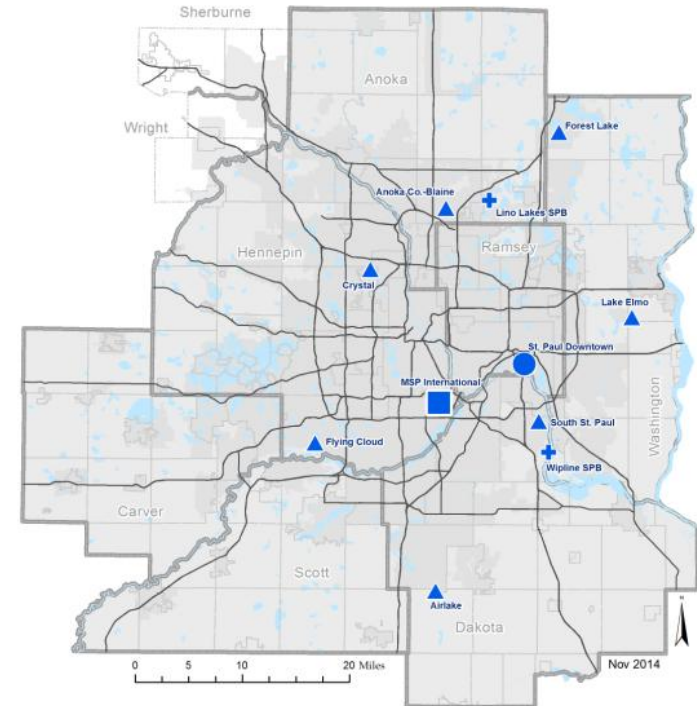
- System is:
 - Well developed
 - Meeting existing needs
 - Key to the region's economic competitiveness
 - Focused on preservation and maintenance
- Incorporate completed reliever long-range plans
- Other minor edits expected

Regional Aviation System

- Major
- Intermediate
- ▲ Minor
- + Special Purpose

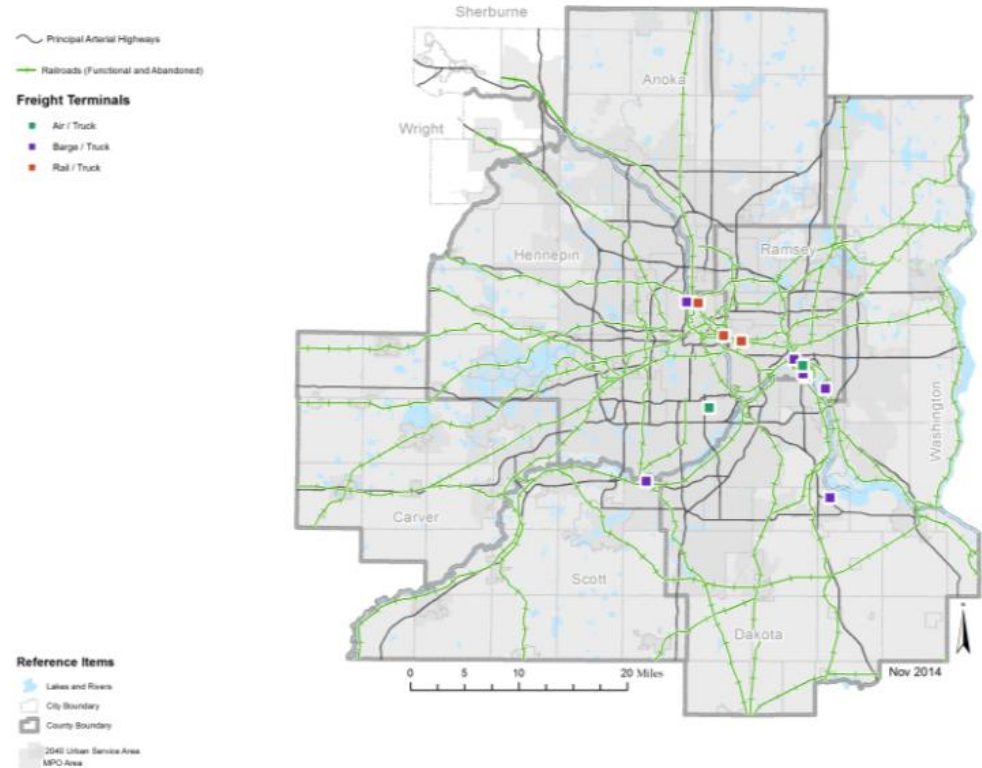
Reference Items

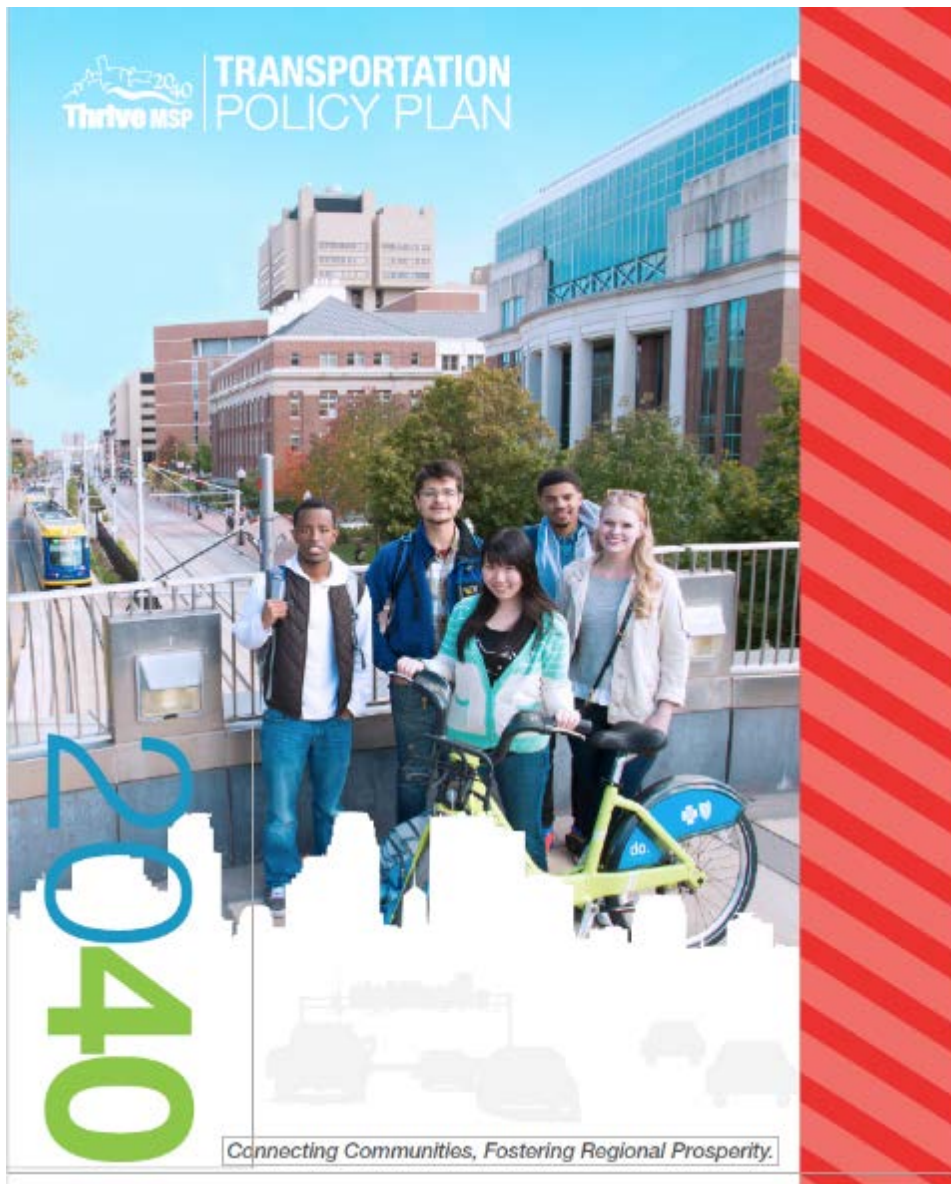
- ~ Principal Arterial Roads
- ~ Lakes and Rivers
- City Boundary
- County Boundary
- 2040 Municipal Urban Service Area
- MPO Area



Freight Investment

- Highway investments that aid freight mobility
- Rail system critical to region's economy
- Incorporate new federal FAST Act freight funding
- Incorporate key truck corridors from regional truck study
- Other minor edits





- Current Plan available at:
- www.metrocouncil.org

Amy Vennewitz
651-602-1058

Katie White
612-602-1716