

2016 TRANSPORTATION UNIFIED PLANNING WORK PROGRAM FOR THE TWIN CITIES METROPOLITAN AREA

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ACRONYMS

3-C - Continuing, Comprehensive, Cooperative
AA – Alternatives Analysis
ADA – Americans with Disabilities Act
AMPO – Association of Metropolitan Planning Organizations
APP – Aviation Policy Plan
ATM – Active Traffic Management
ATP – Area Transportation Partnership
BRT – Bus Rapid Transit
CAA – Clean Air Act
CAD – Clean Air Dialog
CAM – Clean Air Minnesota
CIMS – Corridor Investment Management Strategy
CIP – Capital Improvement Plan
CMP – Congestion Management Process
CPG – Consolidated Planning Grant
CSAH – County State Aid Highway
CTIB – Counties Transit Improvement Board
CTS – Center for Transportation Studies
DBE – Disadvantaged Business Enterprise
EA – Environmental Assessment
EAW – Environmental Assessment Worksheet
EIS – Environmental Impact Statement
EPA – Environmental Protection Agency
FAA – Federal Aviation Administration
FHWA – Federal Highway Administration
FTA – Federal Transit Administration
HOT – High Occupancy Toll
HOV – High Occupancy Vehicle
ISTEA – Intermodal Surface Transportation Efficiency Act
ITS – Intelligent Transportation System
JARC – Job Access Reverse Commute
LRT – Light Rail Transit
LTCP – Long-term Comprehensive Plan
MAC – Metropolitan Airports Commission
MAP-21 - Moving Ahead for Progress in the 21st Century
MHSIS – Metropolitan Highway System Investment Study
MnDOT – Minnesota Department of Transportation
MNIAQTPC – Minnesota Interagency Air Quality and Transportation Planning Committee
MPCA – Minnesota Pollution Control Agency
MPO – Metropolitan Planning Organization
MTS – Metropolitan Transportation Services
NEPA – National Environmental Policy Act
NHS – National Highway System
RTMC – Regional Traffic Management Center
SAFETEA-LU – Safe, Accountable, Flexible, Efficient Transportation Equity Act – A Legacy for Users
SAM – Safety and Mobility
SIP – State Implementation Plan
SPR – State Planning and Research
STIP – State Transportation Improvement Plan
STP – Surface Transportation Program
TAAC – Transportation Accessibility Advisory Committee
TAB – Transportation Advisory Board
TAC – Technical Advisory Committee
TBI – Travel Behavior Inventory
TED – Transportation and Economic Development
TH – Trunk Highway
TIP – Transportation Improvement Plan
TOD – Transit Oriented Development
UPWP – Unified Planning Work Program

I. INTRODUCTION TO THE UNIFIED PLANNING WORK PROGRAM

A. Introduction

The Unified Planning Work Program (UPWP) is a description and documentation of proposed transportation and transportation-related planning activities in the Metropolitan Area for 2016. The Metropolitan Council jurisdiction includes seven counties (see map on next page). In addition, the 2010 Census identified developed areas of Wright and Sherburne counties (primarily along the I-94 and U.S. Highway 10 corridors) to be included in the urbanized area (UZA) for transportation planning purposes, though these areas are not otherwise a part of the Metropolitan Council's jurisdiction. For more information on how the UPWP is used in the context of the activities of the Metropolitan Council, please reference the [2012 Transportation Planning and Programming Guide](#).

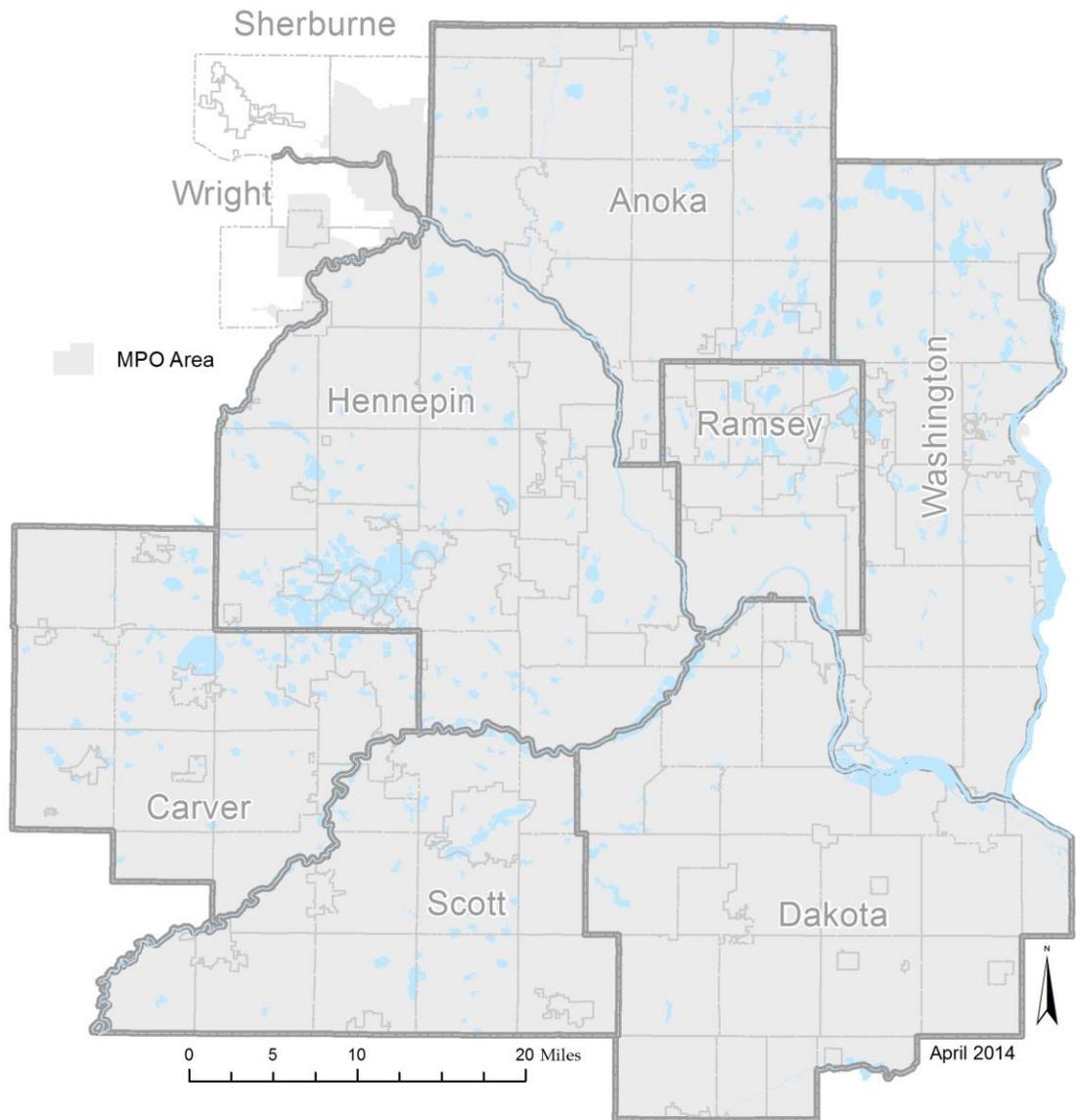
The participants in the UPWP include four agencies: the Metropolitan Council, the Minnesota Department of Transportation (MnDOT), Minnesota Pollution Control Agency (MPCA), and the Metropolitan Airports Commission (MAC). (See Appendix C for roles and responsibilities of the participants.) Since the 2016 UPWP also serves as the Metropolitan Council's application for US DOT transportation planning funds, the projects with Metropolitan Council participation are detailed with staff hours and consultant costs to detail how \$3.8 million of federal planning money will be spent, along with 20 percent local match. The activities of the other agencies are shown in narrative form only.

Many of the tasks are required by state or federal law, and are ongoing, including the TAC/TAB committee process and corridor studies, or repeat on an annual or biennial cycle, such as the preparation of the TIP and the regional solicitation. The Council's *2040 Transportation Policy Plan* was adopted in January 2015. This long range transportation plan complements the region's overall development plan, the *Thrive MSP 2040*, which is mandated by state law and was updated in 2014. Implementation activities for both *Thrive MSP 2040* and the *2040 Transportation Policy Plan* will be a major part of the Council's 2016 work.

Some studies that were begun in earlier years will continue into 2016, including analysis of the 2010 Travel Behavior Inventory (TBI) and implementing performance based planning, as required by MAP-21, and many corridor/AA/DEIS studies. The UPWP projects have been reviewed for consistency with the existing Transportation Policy Plan.

The Metropolitan Council is committed to a pro-active, effective public participation process, and will use a variety of internal and external strategies including newsletters, telephone comment lines, e-mail, website, on-line forum, media relations, social media, community meetings, public hearings, and public information campaigns, in carrying out all of the work program activities. An updated public participation process was adopted in 2007, following passage of SAFETEA-LU.

Metropolitan Council Jurisdiction



U:\UPWP\upwpw_2014map.mxd 5/13/2014

B. Organization of the UPWP

The individual work activities and projects are divided into six major activities. The six activities are:

- Planning and Programming Process
- Comprehensive and Surface Transportation Planning
- Research and Travel Forecasting
- Operations and Management
- Aviation Transportation Planning

A comparison of the federal planning factors that apply to each element of the Unified Planning Work Program is located in Appendix D.

C. Planning Emphasis Areas

The USDOT issued guidance in March 2015 requesting regional transportation planning to place special attention on Planning Emphasis Areas. Various work tasks in the following sections address these areas. A summary of each is below.

1. Models of Regional Planning Cooperation
The Metropolitan Council will continue to use the 3-C process to work with regional and statewide partners in the development of plans and policies. The Metropolitan Council works in coordination with the agencies listed above, as well as the departments of MnDOT's Central Office, MnDOT's Metro District, and MnDOT's District 3 through the Region 7W ATP process. There are no megaregions near the Twin Cities Metropolitan Area.
2. Access to Essential Services
The Metropolitan Council has provided direction through *Thrive MSP 2040* to work on issues of equity, which include access to jobs and essential services. This goes beyond the environmental justice executive order 12898 requirements that have traditionally been employed. For more information on the background and intent of this direction, see Task B-8.
3. MAP-21 Implementation
The *2040 Transportation Policy Plan* was the first plan since MAP-21 became law. As a result, it addresses the performance-based plan requirements. Additional performance measure work began in 2015 and will continue through the Regional Performance Measures Assessment activity. This is staff-driven work which began in 2015 and will continue into 2016.

D. Related Studies

In some years there are transportation studies underway in the region that are not included in the UPWP since the federally funded transportation staff of the planning agencies are not involved to a significant level. No major transportation studies are expected to be conducted in 2016 that are not mentioned in this UPWP.

E. Explanation of Fund Allocation, Indirect Costs and Local Contributions

1. Allocation of Federal Funds

Since 2002 the Federal Transit Administration (FTA) and Federal Highway Administration (FHWA) funds have come to the Metropolitan Council in the form of a "Consolidated Planning Grant" (CPG) which recognizes the intermodal nature of urban transportation and allows flexibility in planning for issues that frequently result in multimodal solutions. These CPG funds are not used for aviation planning, which is conducted almost entirely with local (nonfederal) dollars except for periodic special studies funded by Federal Aviation Administration (FAA) grants. This is also true for the Right-of-way Acquisition Funds (RALF) program, which is funded with local dollars but is included in Task D-4 in order to fully describe the work undertaken by Council planning staff.

2. Statement of Metropolitan Council Regarding Audits as required by OMB Circular A-133, "Audits of States, Local Governments, and Non-Profit Organizations." U.S. DOT requires that the following statements be included in the UPWP

"Arrangements have been made for the required financial and compliance audit and the audit will be made within the prescribed audit reporting cycle. Failure to furnish an acceptable audit as determined by the cognizant federal audit agency may be a basis for denial and/or refunding of federal funds." (FHPM Vol. 1, Chap. 9, Sec. 1, Subsec. 1, #6)

3. Metropolitan Council Cost Allocation Plan

Indirect costs budgeted in the Unified Planning Work Program for the Metropolitan Council activities were developed in accordance with the Metropolitan Council's cost allocation plan. The cost allocation plan is in accordance with the provision of 2 CFR 200. The Metropolitan Council's cognizant agency is the U.S. Department of Transportation, Federal Transit Administration. The Metropolitan Council annually submits a cost allocation plan.

4. Local Support

The local match shown with the activity descriptions in the following sections refer to dollar contributions of the Metropolitan Council to match the federal CPG grant. The UPWP budget does not include the contributions made by counties, cities and other agencies that regularly participate in the 3-C process through the TAB and TAC advisory committees. Staff, elected officials and citizen members of the TAB and TAC committees number more than 150 persons, most of whom meet monthly in regular committee working sessions. Such representatives put in additional hours dealing with written material prepared for their review and response. It is impossible to accurately calculate the hundreds of thousands of dollar value thus contributed to state and federal project planning for the region. The participation of such persons has been freely given by their respective employers as their contribution to local-regional cooperation. Because these local contributions of time and consultation help to advance federal and state funded highway and transit projects, it is appropriate to acknowledge this further contribution to the 3-C process for the region.

F. Carryover Policy

In a November 19, 2014, memo ("Carryover policy for Unprogrammed PL and 5303 Funds – Amended"), MnDOT transmitted the adopted policy for all MPOs to document their expectations for funds that are not budgeted in the UPWP year.

Typically the Council has budgeted \$3.6 million to \$3.8 million of its PL and 5307 funds per year for the past few years based on the work program needs. In years that the Council doesn't spend the full balance, carryover funds accumulate. Prior to 2010, this carryover was deliberately accumulated for the Travel Behavior Inventory (TBI) conducted every 10 years, due to the high cost of the consultant contract exceeding available annual funding. The Council anticipates continuing to accumulate a portion of its annual federal planning funds to be used for large periodic data collection efforts such as the TBI. Upon the completion of a data collection assessment study in 2015, outlined in Activity C of this 2016 UPWP, the Council will be prepared to allocate a portion of the carryover funds to the activities recommended by the study. This balance is currently \$829,230 and is likely to increase after the 2015 audit; at that point a resolution will be passed to set aside this amount as carryover.

The local match required to meet the carryover funds will be readily available since the Council has dedicated revenue sources from year to year from local taxes and MVST revenues. The Council anticipates there will be sufficient funds to cover the local match in whichever year the UPWP funds are budgeted.

G. Work Continuing Beyond 2016

The Metropolitan Council anticipates that several work items listed in the tasks below will continue into 2017. The procurement process can last several months and unforeseen circumstances may be identified once the projects are underway. This is in addition to the other routine activities of the Council that continue from year to year, such as the TAC and TAB committees, work under cooperation with partner agencies, and federal reporting requirements.

The following chart illustrates anticipated future year work in advance of the 2018 update to the Transportation Policy Plan.

Project Title	2016	2017	2018
<i>2018 TPP</i>		X	X
<i>Transit System Evaluation</i>	X		
<i>Transportation System Evaluation</i>		X	
<i>Identify Performance Measures</i>	X		
<i>Strategies to Reduce Greenhouse Gases</i>	X	X	
<i>Highway and A Minor Operations and Maintenance Costs</i>	X		
<i>Principal Arterial Intersection Conversion Study</i>	X	X	
<i>Strategic Capacity Expansion Study</i>	X	X	
<i>Arterial Traffic Management Center</i>	X	X	
<i>Regional Truck Highway Freight Needs</i>	X	X	
<i>Transitway Prioritization Projects</i>	X	X	
<i>Regional Transitway Guidelines</i>		X	X
<i>Bicycle Network Inventory</i>	X	X	X
<i>Bicycle and Pedestrian Gaps and Barriers</i>	X		
<i>Bicycle and Pedestrian Count Program</i>	X		
<i>Aviation System Evaluation (pending FAA grant availability)</i>		X	
<i>Review of Regional Solicitation Projects</i>	X	X	X
<i>Human Services Coordinated Plan</i>	X	X	
<i>CMAQ Plan (pending release of federal regulations)</i>	X	X	

II. WORK ACTIVITIES

A. PLANNING AND PROGRAMMING PROCESS

TASK A-1 PLANNING PROGRAM SUPPORT AND ADMINISTRATION

PURPOSE: To provide planning and administrative support to the metropolitan transportation planning process of the Council, MnDOT, and others pursuant to state and federal statutes and regulations. The process is required to certify the region for continued federal transportation funding.

ACTIVITIES: The transportation planning process provides a forum for regional decision making and produces plans and programs for all transportation modes. Process participants are the Metropolitan Council, the Minnesota Pollution Control Agency (MPCA), and the Minnesota Department of Transportation (MnDOT), the Metropolitan Airports Commission (MAC), local units of government, transit providers and private citizens. The Transportation Advisory Board (TAB) and its Technical Advisory Committee (TAC) are the main forums where the various transportation agencies and interests participate in regional transportation discussions, as well as transportation plan preparation and implementation. The Transportation Advisory Board usually meets monthly on the 3rd Wednesday at 1:30 p.m. and TAC on the first Wednesday at 9:00 a.m. For specific information of the TAB, TAC, or Transportation Committee meetings, go to www.metrocouncil.org/Council-Meetings/Committees. Details on roles and responsibilities are further spelled out in the [Transportation Planning and Programming Guide](#).

Agency staffs are in daily contact on issues, actions proposed by their own agencies, and on upcoming agendas. Key facilitators for coordination are the TAC subcommittee chairs who carry out formal and informal coordination. The responsibilities of the transportation coordinator, who staffs the Transportation Advisory Board (TAB), are part of this activity. The coordinator advises the TAB chair on the Board's agenda and follows through on Board decisions, prepares background materials, and monitors the transportation planning process. The Metropolitan Council provides staff support and technical input to all TAB and TAC committees and other special technical advisory committees and task forces. Staff also provides necessary assistance to the transportation coordinator.

In addition, FHWA will conduct the Federal Certification Review of the Metropolitan Council and its responsibilities as the region's MPO in 2016. The Council will provide staff and documents as needed to support the review team and respond to its findings.

Other products prepared by the Metropolitan Council and MnDOT under this activity include state or federally mandated reports such as Title VI, project approvals and quarterly UPWP progress reports. Council staff will prepare the 2017 UPWP in cooperation with MnDOT, MPCA, and MAC. Staff will attend the quarterly statewide MPO Directors meetings and the annual MPO Conference.

RELATIONSHIP TO PREVIOUS WORK: In 2015 agency staff participated in meetings of TAC, TAB and their subcommittees, as well as work on the other routine products and activities noted above.

RELATIONSHIP TO OTHER AGENCY WORK: MnDOT is involved in the planning process as an ongoing participant. MnDOT staff provides technical input, serves as committee members on several TAB and TAC committees, and is in frequent contact with Council staff regarding many issues. MnDOT plays a major role in administering and managing the federal planning funds that finance a majority of the planning work done by the Council. MnDOT staff also provides guidance to ensure that federal planning requirements are met. The MPCA staff participates in the ongoing interagency coordination activities to administer the Clean Air Act and MAP-21 by participating in

the review of the TPP, TIP and the UPWP; participating in the work of the TAB and TAC; serves as committee members on TAB and TAC committees; by providing needed technical assistance; and categorizing projects for air quality conformity purposes.

PRODUCTS

Committee Agendas, Minutes, Reports
 TAC and TAB Progress Reports
 Submittal of Functional Classification Changes
 Audited 2014 (Consolidated Planning Grant) Fund Statements
 Annual Update of Title VI and DBE Goals
 2017 Unified Planning Work Program
 UPWP Progress Reports to MnDOT
 Federal Certification Review

COMPLETION DATES

Ongoing
 Monthly
 Ongoing
 April
 July
 October
 Quarterly
 Q2-Q4 2016

TASK A-2 TIP DEVELOPMENT AND MANAGEMENT

PURPOSE: Federal law requires preparation and approval of the four-year Transportation Improvement Program (TIP), including projects selected through the regional solicitation process.

APPROACH: In 2016 a 2017-2020 TIP will be prepared, beginning in March to allow time for air quality conformity analysis and citizen input prior to adoption in August/September. The TIP also fulfills the FTA requirement for a Program of Projects (POP). The TIP will be recommended for adoption by the Technical Advisory Committee (TAC) to the TAB, adopted by the Transportation Advisory Board (TAB), and approved by the Metropolitan Council. Any TIP amendments received during the year are processed in a similar manner. In 2016, an annual listing of obligated projects will be published showing projects with federal funds obligated in the previous year. The TIP itself includes a list of projects authorized in the previous fiscal year, in compliance with federal law.

In 2016, the TAB is scheduled to select projects from the regional solicitation to be funded with federal funds in 2020 and 2021, contingent upon available federal funding.

The 2016 air quality planning activities related to this task will focus on the regional process for conformity determination of the 2017-2020 TIP. The latest EPA regional air quality model will be used.

RELATIONSHIP TO PREVIOUS WORK: The 2017-2020 TIP preparation will build on the 2016-2019 TIP.

RELATIONSHIP TO OTHER AGENCY WORK: MnDOT staff works cooperatively with Council staff and TAB/TAC to develop revenue assumptions. Staff from the Metropolitan Council, Minnesota Department of Transportation, Minnesota Pollution Control Agency, TAC and TAB representatives were involved in the 2014/2015 TAB Regional Solicitation Design Process. MnDOT coordinates and monitors TIP data for all federally funded projects, and MnDOT Trunk Highway projects. MnDOT has a significant role in the development of the TIP providing at least one full time position devoted to the coordination and management of data and fiscal analysis of the document. In addition, MnDOT staff plays an active role in the development and presentation of amendment requests at the TAC Funding and Programming Committee. MnDOT also administers STIP amendments, as needed. MPCA will continue to attend committee meetings of TAC and TAB, assist in TIP development reviews, evaluate projects for federal funding, and participate in project selection and air quality conformity analysis.

PRODUCTS

Prepare Draft 2017-2020 TIP

COMPLETION DATES

March

Adopt TIP Incl. Certification of 3-C Process, Major Projects Completed/Obligated in Previous Year, and an Air Quality Conformity Analysis	September
Annual Listing of Obligated Projects	December
Process TIP amendments	As needed
TIP Annual Report	October

TASK A-3 REGIONAL SOLICITATION

PURPOSE: The Regional Solicitation for federal transportation project funding is part of the Metropolitan Council’s federally-required continuing, comprehensive, and cooperative transportation planning process for the Twin Cities Metropolitan Area. The funding program and related rules and requirements are established by the USDOT and administered locally through collaboration with the FHWA, FTA, and MnDOT. Projects are selected for funding as part of three federal programs: Surface Transportation Program, Congestion Mitigation and Air Quality Improvement, and Transportation Alternatives Program.

ACTIVITIES: In 2016, the Regional Solicitation for federal funds will be released in mid 2016. Projects selected during this funding cycle will be programmed for inclusion in the TIP approved in 2017. Minor changes are expected from the 2014 and 2015 solicitations for federal funds. Staff will work with agencies requesting assistance with defederalization of projects. Following a defederalization of a project that was selected through the Regional Solicitation process, staff will monitor the project is developed per the work scope in the Regional Solicitation application. A Regional Solicitation Project Evaluation will be prepared to review and highlight the completion of projects. A consultant will be utilized to assist with the Regional Solicitation Project Evaluation. Staff will create a summary of where solicitation money has gone and how it has been used.

RELATIONSHIP TO PREVIOUS WORK: A Regional Solicitation Evaluation Study was concluded in 2014, and solicitations were released in late 2014 for STP, CMAQ, and TAP projects for 2017-2019 and in mid 2015 for TDM projects for 2015-2017 using the revised criteria.

PRODUCTS	COMPLETION DATES
2016 Regional Solicitation	Q1 2017
Regional Solicitation Project Selection (TDM)	May 2016
Regional Solicitation Project Evaluation	2017
Regional Solicitation Project Summaries	2017
Regional Solicitation Project Showcase	2016

TASK A-4 RESPOND TO REVISIONS IN FEDERAL TRANSPORTATION LAW

PURPOSE: Respond to revised funding levels and policy direction in the MAP-21 federal transportation law concerning funding eligibility and roles and responsibilities of MPOs, which affect how MnDOT, the Council, and TAC/TAB function in the future.

ACTIVITIES: Council staff will continue to work with MnDOT, TAC/TAB and the Council on interpret and implementing any changes resulting from MAP-21, as well as reviewing and responding to any new proposed legislation to replace MAP 21.

RELATIONSHIP TO PREVIOUS WORK: Council staff has worked with MnDOT, federal agencies, and organizations such as AMPO since the second half of 2012 to analyze changes in MAP-21 and in subsequent draft guidance produced by US DOT.

PRODUCTS	COMPLETION DATES
Revise Policies/Procedures	Ongoing

TASK A-5 TRANSPORTATION FINANCE

PURPOSE: To research and implement funding options to implement the Transportation Policy Plan and to provide financial oversight for transportation planning activities.

ACTIVITIES: Funding constraints placed on the TPP and the TIP are more demanding on the planning process than ever. Council transportation staff will undertake programming and budgeting activities. Staff will work with MnDOT and policy makers to identify funding needs and potential funding scenarios to implement the increased revenue scenario of the *2040 TPP*.

Staff will continue to collaborate with the Counties Transportation Improvement Board (CTIB), coordinating with counties and regional rail authorities for transit planning, visioning, and financing. The Board's administers a local sales tax collected in 5 of the region's counties to help fund a network of interconnected transitways.

RELATIONSHIP TO PREVIOUS WORK: The Council prepares an operating budget and 6-year transit CIP annually.

RELATIONSHIP TO OTHER AGENCY WORK: The Council is the lead agency. Council staff works with the transit operating agencies and Suburban Transit Providers on transit capital planning. MnDOT works in cooperation with the Council on alternative roadway financing such as HOT lanes and congestion pricing.

PRODUCTS

Analysis of Transportation Funding
Selection of Projects for Regional Transit Capital Funding
Unified Operating Budget
Unified Capital Budget

COMPLETION DATES

Ongoing
December
December
December

Activity A	2016 Budget
ACTIVITY STAFF WEEKS:	252
CONSULTANT:	\$100,000
TOTAL ESTIMATED EXPENDITURES:	\$1,351,940
SOURCES OF FUNDS:	
FEDERAL: (CPG)	\$1,081,552
LOCAL: Met Council	\$270,388
TOTAL	\$1,351,940

B. COMPREHENSIVE AND SURFACE TRANSPORTATION PLANNING

TASK B-1 LAND USE AND GENERAL TRANSPORTATION PLANNING

PURPOSE: To ensure implementation of the Council's long-range *2040 Transportation Policy Plan* and *Thrive MSP 2040*, both chapters in its overall metropolitan development guide.

APPROACH: The Metropolitan Council adopted the *2040 Transportation Policy Plan* in January 2015. This is the first TPP since the passage of MAP-21 and is the first plan for the region to incorporate a performance-based evaluation. Implementation of the 2040 TPP will be conducted by the Council and its partners, including TAC/TAB. Transportation planning staff implementation activities in 2016 will include:

- Participate in interdepartmental implementation teams for Thrive MSP 2040. Conduct additional work in equity analysis, such as examining safety outcomes and studying transportation expenditures, including preservation and maintenance spending, for potential disparities by race and income. Work being done by the two Thrive implementation teams is covered under Task B-5 for freight economic competitiveness, such as preparing an inventory of available rail and river accessible land for economic development, and under Task B-9 for climate and sustainability. Transportation planning staff works with other Council staff to ensure transportation policy is considered in ongoing planning and grant activities of other departments, such as parks, natural resources, and the Livable Communities grant program.
- Staff will continue to work with other Council staff in the preparation and updating of the Local Planning Handbook and associated guidance that directs the Comprehensive Plan updates to be submitted by local governments by 2018.
- Staff will continue to review Comprehensive Plan Amendments and environmental documents when submitted by cities and counties.
- Staff will continue to work with University of Minnesota researchers on Center for Transportation Studies (CTS) and Humphrey School of Public Affairs activities in transportation research.
- Transportation planning staff will continue to work with other Council staff on transit-oriented development policy and guidance activities.
- Council staff participates in a regional TOD working group made up of multiple jurisdictions, agencies, and nonprofits, and assisted by other staff at the Council.

The Council will provide opportunities to the public for participation in the planning process through the Council website, open houses, public hearings, citizen advisory committees, and other means listed in the citizen participation process in Appendix C.

RELATIONSHIP TO PREVIOUS WORK: The regional development guide, known as *Thrive MSP 2040*, was adopted in May 2014; the *2040 Transportation Policy Plan* was updated in January 2015. The long-range transportation plan must be updated every four years to meet federal requirements; the development guide is typically updated every 10 years. Transportation staff reviews updates and amendments to local comprehensive plans, which must be prepared by local units of government under state law, to ensure consistency of local comprehensive plans with regional land use and transportation plans.

RELATIONSHIP TO OTHER AGENCY WORK: MnDOT serves as the lead agency for Intelligent Transportation Systems (ITS) activities in Minnesota, including the Regional ITS architecture; Council staff continues to participate in MnDOT ITS activities. Council staff will contribute efforts to the University of Minnesota Center for Transportation Studies Transitways Impacts Research Program and participate on research on Traffic, Parking, and Travel Behavior Impacts; Land Use Impacts; and Economic and Business Impacts.

PRODUCTS

Local Comprehensive Plan Reviews (including amendments)

COMPLETION DATES

As Needed

Participate in Various Team Activities (Including Local Planning Handbook, Livable Communities, Referrals, and Sector Reps)	As Appropriate
Review of Livable Communities Grants	Semi-annually
Participate in ITS and CTS Activities	Ongoing
TOD Policy and Guidance Activities	Ongoing

TASK B-2 PERFORMANCE-BASED PLANNING AND MEASUREMENT

PURPOSE: Respond to MAP-21 requirements that MPOs use a performance-based approach and develop performance measures for their long range transportation plan. To develop, maintain, and disseminate information on the performance of the Twin Cities transportation system to inform policy decisions and funding allocations and to comply with state law. To evaluate the application of transit service planning guidelines and performance standards, achieving a regional consensus on equity and service priorities in the allocation of transit resources, and instituting service changes.

ACTIVITIES: Council staff will work with MnDOT, county, and city staff to develop recommended performance measures for implementation in the next TPP.

In 2008 state legislation was updated to require the Council to conduct a comprehensive evaluation of the transportation system every four years in the year prior to the revision of the Transportation Policy Plan. It also requires that on the intervening two years, the Council conduct an evaluation of the transit system. Collection of data for this evaluation allows the Council to maintain a wide variety of current data on an on-going basis, which is used for other planning activities as well as presented for informational purposes through a wide variety of venues. In the 2013 iteration, the system developed measures and benchmarks that assess sustainability and livability relating to transportation as well as identifying and benchmarking additional performance measures for use in the Council's and MnDOT's on-going planning and programming activities in preparation for anticipated changes in federal transportation funding reauthorization legislation. The Transit Evaluation started in 2015 and will conclude in 2016, and will build on this work.

RELATIONSHIP TO PREVIOUS WORK: The Metropolitan Council adopted the *2040 Transportation Policy Plan* in January 2015. This is the first TPP since the passage of MAP-21 and is the first performance-based plan for the region. The performance measures in the adopted TPP are placeholders. The performance management work described here is looking to build off of previous efforts and solidify and adopt performance measures for the next TPP.

In 1997, 2001, 2005, and 2013 the Council conducted transportation performance audits, and in 1999, 2003, 2007, and 2009 transit evaluations. In 2010 the 2009 transit evaluation was updated to include the most recent transit operating statistics.

This element also represents a continuation of transit planning and implementation formerly conducted by the Metropolitan Council, Regional Transit Board, and Metropolitan Transit Commission and other providers. This work also includes evaluation efforts associated with the operations divisions of the Metropolitan Council, which may not be directly funded through the CPG.

RELATIONSHIP TO OTHER AGENCY WORK: MnDOT and the Metropolitan Council will work closely to develop performance measures and targets for the state and regional highway system that follow MAP-21 guidelines and align with MnSHIP and the TPP.

PRODUCTS	COMPLETION DATES
Regional Performance Measure Assessment	2016
Transit System Evaluation	2016

TASK B-3 CONGESTION MANAGEMENT PROCESS

PURPOSE: Federal law requires MPOs with populations of 200,000 or greater to prepare, adopt, and maintain a congestion management process.

ACTIVITIES: The Metropolitan Council will continue to monitor and evaluate the RTMC activities and ATM applications.

RELATIONSHIP TO PREVIOUS WORK: MnDOT and the Metropolitan Council prepared a Congestion Management Planning Study Phase I in 2007 which was used to help establish the policy basis for the CMP in the revised TPP. Phase II was developed following adoption of the 2009 TPP revision. MnDOT completed CMP III in 2012. The 2040 TPP includes a CMP that incorporates performance-based planning elements.

RELATIONSHIP TO OTHER AGENCY WORK: MnDOT was instrumental in the development of the 1997 Congestion Management System and will continue to provide the Council congestion mapping based on ongoing data collection done by the Regional Traffic Management Center, project design, and evaluation data. MnDOT Metro District will cooperatively work with the Council to determine any revisions necessary based on MAP-21 and FHWA Guidance. Also MnDOT will provide funding for this effort. TAC/TAB assistance is anticipated in this task through standing committees or possibly a special task force.

PRODUCTS

Monitor Congestion Management Activity (RTMC)
Evaluation of Active Traffic Management (ATM) Applications

COMPLETION DATES

Ongoing
Ongoing

TASK B-4 CORRIDOR STUDIES

PURPOSE: To participate in major corridor studies to ensure implementation of the regional transportation and development policies of the Council.

ACTIVITIES: Metropolitan Council, regional rail authorities, and MnDOT staffs participate on corridor study management teams, advisory committees, and task forces for many trunk highway and transit corridors. The scale of each corridor study will be consistent with the investment priorities identified in the TPP and MnDOT's Highway Investment Plan (MnSHIP). For instance, some studies may focus primarily on access management and operational activities, while other corridors will be considered for additional investments, such as managed lanes and strategic capacity enhancements. Metropolitan Council is the lead agency for design, engineering, and submitting funding applications for light rail transit (LRT) in the Southwest and Bottineau Transitways. Metropolitan Council is the lead agency for a transit study in the West Broadway corridor in Minneapolis. Council planning staff also provides input on transit corridor studies and station-area land use planning lead by other agencies, primarily the county regional railroad authorities. For each corridor study, the lead agency assumes responsibility for public participation, which typically includes newsletters, meetings, open houses, special outreach to affected businesses and communities and websites. Studies will also consider environmental justice impacts at a corridor level. Staff will also provide data and modeling information to municipalities and agencies upon request to support ongoing planning and environmental studies. This may include travel forecasts or review of forecasts prepared by others. Specific corridor studies known in June 2016 are included in the product list. The Council is the local joint lead agency on the Gateway (Gold Line) Draft Environmental Impact Statement with the Washington County Regional Railroad Authority. The DEIS is evaluating bus rapid transit alternatives that

would run on a dedicated guideway between downtown St Paul and Woodbury. The DEIS is scheduled for completion in early 2016.

RELATIONSHIP TO PREVIOUS WORK: This is part of the ongoing effort to implement regional plans at the corridor level. Most corridor studies take several years and may progress from feasibility studies to alternative analysis, environmental documentation/preliminary engineering, and land use planning. Council planning staff is typically involved through many early stages and may continue until final design and construction of a project, while staff from other agencies such as MnDOT may transition from planning to other departments after preliminary engineering begins. Transportation planning staff involvement in transit corridors like Bottineau and Southwest is minimal once a project office is opened to begin implementation, although land use coordination may continue.

RELATIONSHIP TO OTHER AGENCY WORK: MnDOT is usually the lead agency for highway corridors. MnDOT has developed a planning prioritization process to help in the identification and prioritization of Metro District studies. MnDOT is also leading an analysis of MnPASS options along I-494 and TH 62 and combined highway and transit option on TH 169, which the Council follows and participates in. For many transit corridors, the regional railroad authorities are the lead agencies for feasibility, AA or environmental studies, although responsibility is usually transferred to the implementing agency when project development or design commences. The cities of Minneapolis and Saint Paul are exploring modern streetcar systems and have completed system studies leading to specific corridors. The City of Minneapolis is moving forward on a specific recommendation of streetcar in the Nicollet-Central corridor and Council staff are assisting on early environmental work. Council staff participates in station land use planning activities lead by counties or cities along transit corridors (e.g., a Southwest LRT Community Works project has been formed by Hennepin County; and Council leadership and staff are participating in a Steering Committee and Technical Implementation Committee, in addition to leading a Southwest LRT Management Committee). MnDOT also works on transit studies, especially where the corridor utilizes a MnDOT highway, such as Cedar Avenue/Highway 77 or I-35W BRT; or commuter rail projects, where MnDOT has responsibilities under state law. MPCA staff will provide input regarding the applicability of MAP-21 and CAA air quality requirements, and state noise rules during environmental document development by reviewing and commenting on proposed highway and transit construction and/or reconstruction projects. The majority of corridor study costs are typically incurred by the leading agency for both staff and consultant work and are reflected in their own agency budget.

PRODUCTS

COMPLETION DATES

Highspeed Rail between the Twin Cities and Milwaukee EIS	Ongoing
Review EAs and EISs	As Needed
I-35W North Corridor Preliminary Design Project	2016
I-494/TH 62 Managed Lanes Study	2016
Rush Line Pre-Project Development Study	Q2 2016
Gateway (I-94 East) Corridor DEIS	2016
Riverview Pre-Project Development Study	2016
Nicollet/Central Avenue Corridor EA	Q1 2016
West Broadway Alternatives Analysis	2016
Red Rock Implementation Plan	Q1 2016
I-35E Corridor Management Team	Ongoing
I-94 Between the Downtowns Project	2017
TH 169 Managed Lane and Transitway Study	2017
TH 169/101 st Interchange Corridor Study	2017
TH 52 Interchange Study	2017
ZipRail Tier I EIS	Ongoing

TASK B-5 HIGHWAY SYSTEM PLANNING

PURPOSE: To work with agency partners to plan a regional highway system that is consistent with the goals and objectives in the 2040 Transportation Policy Plan.

ACTIVITIES: Council staff will work with agency partners on a number of highway issues including the following:

- Staff will co-lead a project with MnDOT to examine non-freeway principal arterials. It will assess the feasibility and priorities for intersection conversions into interchanges and other grade-separation solutions.
- Staff will continue to work with MnDOT on alternative roadway financing issues including the I-35E Value Pricing grant project and other MnPASS and dynamic shoulder pricing projects. Consistent policy and design decisions are needed as the region implements more managed lane MnPASS projects.
- Staff will begin work on identifying and prioritizing strategic capacity expansion projects for the Increased Revenue Scenario of the next TPP.
- Staff will begin to explore the potential and feasibility for an Arterial Traffic Management Center to coordinate roadway operations that are not on the principal arterial network.
- Staff will begin discussion on the feasibility and potential need for a regional approach to managing the arterial roadway system.
- Staff will continue to examine the feasibility of “superstreets” for the region.
- Staff will continue to evaluate requests for additional interchanges as submitted.
- Staff will review and approve changes to controlled access highways, as required by state law.
- Staff will continue to work closely with MnDOT to provide metro area perspective on a number of statewide studies and plans, such as updates of the Statewide Multimodal Transportation Plan, MnSHIP, Capital Highway Investment Plan (CHIP) Asset Management Plan, and Highway Safety and Operations Plan.

RELATIONSHIP TO PREVIOUS WORK: Metropolitan Council staff have worked closely with MnDOT and other agency partners to further plan the regional highway system. Some of these efforts include Congestion Management and Safety Plan (CMSP) III and MnPASS II. The A-Minor Arterial System Evaluation also assessed the past performance of this functional class of roadway and made recommendations to improve it in the future.

RELATIONSHIP TO OTHER AGENCY WORK: Metropolitan Council staff will devote a significant amount of time to supporting MnDOT’s I-94 Between the Downtowns Project. This is a large project requiring input and feedback from all partner agencies. Staff will be provided to assist in the technical contract as well as in substantial engagement activities throughout the duration of the study. In addition, staff will also assist on CMSP IV and MnPASS III Studies, both lead by MnDOT.

PRODUCTS

Principal Arterial Intersection Conversion Study
Various Managed Lane Implementation Studies
Strategic Capacity Expansion Study
Arterial Traffic Management Center
Review Highway Interchange Additions
Review Controlled Access Highway Revisions
MnPASS III
CMSP IV
I-94 Environmental Assessment (District 3)
TH 36 Frontage Road Access Study

COMPLETION DATES

2017
Ongoing
2018
2018
As Needed
As requested
2016
2016
Ongoing
2017

TASK B-6 FREIGHT PLANNING

PURPOSE: To continue to develop an integrated regional freight planning program for the Twin Cities Metropolitan Area, to be implemented by MnDOT, Metropolitan Council, and our partners in the public and private sectors.

ACTIVITIES: The Twin Cities Metropolitan Area is the hub of many freight transportation supply chains in the Upper Midwest not only for goods produced and consumed here, but for freight moving through the region to other areas. Freight issues include highway and rail traffic congestion, conflicts between freight rail and passenger rail, aging infrastructure, local land use conflicts and community acceptance. Freight planners will continue to work on teams implementing the economic competitiveness aspects of *Thrive MSP 2040*.

The Metropolitan Council will continue ongoing work activities in 2016 to:

- Complete the Regional Truck Highway Corridor Study begun by the Council in 2015.
- Identify and support integration of freight considerations into land use and transportation planning activities of the Council, including implementation of *Thrive MSP 2040*, updates to the regional solicitation, and technical assistance to local governments on freight planning
- Participate in freight transportation planning at MnDOT, including the updates of the Statewide Freight Plan and other planning efforts underway to integrate freight planning;
- Participate in Minnesota Freight Advisory Committee (MFAC) and its Executive Committee and draw on the expertise and contributions of members of the MFAC as needed for metro area transportation planning;
- Coordinate freight data collection and analysis within and between partner organizations.

RELATIONSHIP TO PREVIOUS WORK:

In 2011-2013 the Metropolitan Council worked with MnDOT (Metro District and the Office of Freight and Commercial Vehicle Operations) to prepare a Twin Cities Metropolitan Area Regional Freight Study to identify freight-related trends and issues and to develop solutions for the high priority freight issues. The summary report of this study was used in preparing the *2040 Transportation Policy Plan*, and other study reports, posted on the MnDOT website, will continue to be used as needed to coordinate freight planning in the region. In 2014-15 staff participated in MnDOT's update of the state freight plan.

RELATIONSHIP TO OTHER AGENCY WORK: MnDOT includes an Office of Freight and Commercial Vehicle operations that conducts freight planning statewide and oversees the MN freight advisory committee.(MFAC). This office informs and works closely with MnDOT metro district planners and Metropolitan Council staff on metro area freight planning activities.

PRODUCTS

Regional Freight and Industrial Manufacturing Lands Assessment
Metro Freight Initiative Implementation
Regional Truck Highway Corridor Study

COMPLETION DATES

2016
Ongoing
2016

TASK B-7 TRANSIT PLANNING

PURPOSE: To conduct the mid- and long-range regional transit studies, policy, planning, and implementation activities. To develop short-range implementation plans to carry out regional transit policy and ensure, through a comprehensive and coordinated review process, that proposed development plans or implementation programs are consistent with the Council's Transportation Policy Plan and other transportation policy documents. To participate in regional

transportation projects to ensure that transit alternatives are adequately addressed and considered.

ACTIVITIES: Activities in this category include short-, mid- and long-range transit planning and implementation conducted by the Council's MTS planning staff which is not related to a specific corridor.

- Council staff coordinate with Metro Transit staff, other transit operators, and local communities on specific studies of transit policy issues and assist with the implementation of completed studies, when applicable.
- Council staff will continue to participate with MnDOT and transit operators in the multi-agency Team Transit, which has been identifying and expediting bus-related road improvements to improve the multimodal capability of the region's highways for almost 30 years.
- Council staff will provide technical assistance to communities on development and implementation of transit and TDM elements of comprehensive plan amendments, pedestrian and bicycle friendly land use coordination, transit-oriented development and other transit-related activities as appropriate. Council will also coordinate with TDM implementers on the relationship between activities and regional long-range planning efforts.
- The Council is leading policy efforts that will inform future updates of the Transit Investment Direction in the 2040 TPP. One effort is to further define possible criteria for setting regional transitway priorities. This will build off the performance-based planning framework in the 2040 TPP and provide a direct linkage between performance measures and potential system investments. Another effort will be studying the possible policy implications of the introduction of modern streetcar into the transitway system. This effort is looking at peer regions and key questions surrounding the funding and expansion of streetcar system, which is being explored and has been recommended by some local partners for consideration in the 2040 TPP. Additional efforts will analyze regional transit demand for non-regular route transit services, which may include services such as dial-a-ride, employer shuttles, and van programs.
- The Council is working with Metro Transit to evaluate potential updates to the 2030 Park-and-Ride Plan and implementation guidelines around bus stops. These efforts will guide regional and local implementation of transit projects when they are being funded or designed.
- The Council works with all regional transit providers to update the Regional Service Improvement Plan, a document that informs potential investments in the expansion of the transit system. This is updated every two years with a call for project ideas and the involvement of all public transit providers.

RELATIONSHIP TO PREVIOUS WORK: This activity implements several activities of past years, such as the *2040 Transportation Policy Plan*, Public Transit/Human Services Coordination Plan, the Highway Transitway Corridor Study, the Arterial Transitway Corridor Study, and other ongoing policy or system analyses. LRT, BRT, and commuter rail feasibility studies are related to this activity but fall under Task B-3, "Corridor Studies."

RELATIONSHIP TO OTHER AGENCY WORK: The Council works closely with the county regional railroad authorizes on corridor-specific work to ensure consistency with system planning and development. The Counties Transit Improvement Board develops policies and plans for expenditure of major resources in the transitway system and the Council coordinates closely with these efforts for development and updating of the *2040 Transportation Policy Plan*. Any efforts to address policies related to regional transit investments require the Council to coordinate with cities, counties, and transit providers that may be leading specific efforts or be affected by policies through land use planning or implementation activities. MnDOT, Met Council, Metro Transit, other transit providers, and local governments work jointly on the Team Transit effort that provides planning and coordination on bus shoulder lanes, park-and-ride lots, and HOV by-pass lanes on the Trunk Highway system, as well as the mitigation of highway construction impacts. The

Transportation Advisory Board to the Metropolitan Council continues to invest in the federally-funded regional travel demand management program, which includes implementation efforts for the promotion of transportation alternatives such as transit, bicycling, and walking.

PRODUCTS	COMPLETION DATES
Project Review and Referral Memoranda Related to Transit	As Needed
Development of Bus Shoulder Lanes and Other Transit-Supportive Measures in Conjunction with the Trunk Highway System	Ongoing
Further Defining the Process for Setting Transitway Priorities	2016
Update of Regional Service Improvement Plan	2016
Modern Streetcar Policy Study	2016
Last Mile Employer Transit Connections Study	2017

TASK B-8 BICYCLE AND PEDESTRIAN PLANNING

PURPOSE: To participate in bicycle and pedestrian planning in the region and provide technical assistance and coordination to other government units.

ACTIVITIES: The Council’s *2040 TPP* supports and encourages bicycle and pedestrian planning and staff provides regional coordination and technical assistance. The *2040 TPP* established a Regional Bicycle Transportation Network (RBTN), with prioritized regional bicycle corridors and general alignments. The defined RBTN corridors are intended to serve as the “backbone” arterial system for biking in the region and to encourage planning and implementation of this regional network by cities, counties, parks agencies, and the state. Refinement and implementation of the RBTN is ongoing and corridor refinements and specific alignment designations will continue in 2016.

Metropolitan Council staff is developing a new tool for updating the regional bicycle system inventory. Metropolitan Council staff will be collaborating with MnDOT and local agencies to update and maintain the regional bicycle system map. The new mapping tool will allow local agencies to upload their local bike plan networks to a regional map database. This regional database will be managed by Council staff and then made exportable to agencies and the general public via the Metro GIS datafinder.

In 2016, staff will purchase automated bicycle and pedestrian count equipment for use in collecting count data for regional planning. MnDOT has been leading the development of automated bicycle and pedestrian count data collection in the state, and Council staff participate in MnDOT’s Bicycle and Pedestrian Count Task Force. A regional count program pilot will enable staff to collect data for locations appropriate for regional planning uses, such as (but not limited to) identifying usage trends, determining exposure for safety analyses, and model calibration.

RELATIONSHIP TO PREVIOUS WORK: The Regional Bicycle System Study was completed in 2014 to develop a more complete understanding of how the region’s on-street bikeways and off-street trails interface and how the on and off-road systems work together to serve regional transportation trips by bicycle. Results of this study, including the RBTN, were incorporated into the *2040 TPP* during 2014.

RELATIONSHIP TO OTHER AGENCY WORK: MnDOT’s bicycle and pedestrian staff works cooperatively with the Council by providing data and technical information, participating on the TAC Funding and Programming Subcommittee, and providing technical assistance and technical training for local governments on ADA and other elements of bike and pedestrian design, planning and operations. Minneapolis and Hennepin and Ramsey counties have formal bicycle and pedestrian advisory committees which include Council and MnDOT staff. Metropolitan Council staff continues to participate on MnDOT’s State Non-Motorized Transportation Advisory Committee, the Statewide Bicycle Plan project advisory committee, and a state Bicycle Law Advisory Task Force.

MnDOT and the Minnesota Department of Health (MDH) began a Statewide Pedestrian Plan in 2014. Council staff continues to work with MnDOT and MDH staff to provide input from the region’s perspective to the statewide plan and serves on the Project Advisory Committee.

PRODUCTS

Maintain Bike/Pedestrian Facility Map on MetroGIS
 Regional Bicycle Transportation Network implementation
 MnDOT Statewide and Metro District Bicycle Plans
 MnDOT/MDH Statewide Pedestrian Plan
 Bicycle and Pedestrian Count Program

COMPLETION DATES

Ongoing
 Ongoing
 2015
 2016
 Ongoing

TASK B-9 ENVIRONMENTAL JUSTICE AND EQUITY

PURPOSE: An important consideration for the *2040 Transportation Policy Plan* is its impact on all populations in the region, particularly those who have been historically underrepresented in regional planning efforts, including communities of color, low-income residents, people with disabilities, and people with limited English proficiency. This UPWP adheres to federal requirements for environmental justice and further responds to additional aspirations for equity set forth in *Thrive MSP 2040*. Equity connects all residents to opportunity and creates viable transportation options for people of all races, ethnicities, incomes, and abilities so that all communities share the opportunities and challenges of growth and change.

During 2016 cooperative activities will continue with the counties and other social service providers on transportation assistance to clients. Although the JARC program was not included in MAP-21, efforts will continue to disburse JARC funds granted in previous years.

ACTIVITIES: Council staff participates in the Equity Implementation Team and the departmental Equity Change Team within the Metropolitan Council. The Metropolitan Council has also hired a full time staff member in order to effectively engage the public, including traditionally underrepresented communities, in all transportation planning efforts.

RELATIONSHIP TO PREVIOUS WORK: The Council has operated in accordance with executive order 12898 since the order was issued. In 2015 the TAB and Council members participated in a workshop to provide a common understanding of equity and its application to regional transportation policy and making policy-driven investments.

RELATIONSHIP TO OTHER AGENCY WORK: The Council is a recognized leader in the area of outreach and engagement after the construction and launch of the Green Line transitway. Staff is approached by other agencies to learn best practices and to build capacity at all levels. As part of the I-94 corridor study between the downtowns, Metropolitan Council staff will work with MnDOT project leaders to enhance the engagement activities for users of and residents near the corridor.

PRODUCTS

Equity Analysis Study
 Access to Jobs Implementation

COMPLETION DATES

2016
 Ongoing

TASK B-10 AIR QUALITY AND CLIMATE CHANGE PLANNING

PURPOSE: To implement long-term air quality planning required by federal law including the integration of congestion management, transportation, land use, and air quality planning with the requirements of the Clean Air Act (CAA).

ACTIVITIES: During 2016, the Council, MnDOT and the MPCA will continue the regional and state air quality planning and coordination activities with through the interagency air quality and transportation committees and work groups formed to address the CAA conformity requirements.

- Council staff will organize and work with the Minnesota Interagency Air Quality and Transportation Committee (MNIAQTPC) to consult on air quality issues and State Implementation Plan (SIP) updates as necessary.
- Air conformity analysis will be carried out for the 2017-2020 TIP.
- The roles and responsibilities of the interagency committee and work groups are defined in the interagency consultation procedures developed collaboratively.
- MPCA and the Council will continue to participate in activities of Clean Air Minnesota (CAM), a non-profit organization that promotes public and private partnerships to reduce emissions from criteria pollutants.
- The MNIAQTPC will continue to implement the EPA approved Limited Maintenance Plan for carbon monoxide. The MNIAQTPC will work with the MPCA in coming up with possible control strategies for PM2.5 and ozone due to potential non-attainment with current and future PM2.5 and ozone standards. The MPCA is the lead agency in these activities.
- The Council will continue to participate in the Climate Strategies and Economic Opportunities forum, as well as other climate change mitigation discussions. The Council will provide technical assistance to local governments in quantifying and reducing greenhouse gas emissions.
- The Council working with MPCA will develop effective strategies to address the greenhouse gas emissions reduction goals of the 2007 Next Generation Energy Act and integrate them into the transportation planning process.
- The Council will continue to work on internal climate change and sustainability initiatives.
- The Council will create a CMAQ plan to evaluate the effectiveness of regional activities, pending the release of the requirements for the CMAQ plan from the USDOT.

A regional component of a proactive strategy to reduce the formation of ozone and fine particulate matter needs to be prepared and coordinated with the regional planning and implementation processes. The strategy must be prepared in partnership with the MPCA, MnDOT, Council and other stakeholders. Modeling work underway by the MPCA on the regional ozone and fine particulate matter issue will provide direction on appropriate and the most effective control measures to reduce precursor emissions from transportation sources. If non-attainment designation is made, the Council, MnDOT, and MPCA will work on updating the SIP to address the new status. The increases in air toxics in the region as studied by the MPCA also remain a concern. The Federal Highway Administration and EPA have developed guidance for addressing mobile sources air toxics in environmental review process for transportation projects.

In 2016, the MPCA and Environmental Initiative will continue to facilitate a conversation among leaders in the business, government and nonprofit sectors to seek new opportunities for emissions reduction, lay groundwork for future collaboration to improve air quality in Minnesota, and prepare for potential nonattainment designations. A Work Group named “Minnesota Clean Air Dialogue” (CAD) was formed and tasked with identifying the most efficient and effective ways to meet or exceed potential new federal standards through a process of collective problem solving and consensus decision-making. The Work group members included among others, the MPCA, MnDOT, Council, and assisted by additional technical experts, developed and came to consensus on a set of complementary initiatives to voluntarily reduce emissions associated with ozone and fine particle pollution. The MPCA in coordination with Environmental Initiative is working proactively to develop, fund, and implement some of the projects that were recommended by CAD. The Environmental Quality Board is also leading a Work Group with Partner Agencies including: the MPCA, the Council, MnDOT, Commerce, DNR, Agriculture and Health called “The Climate Solutions and Economic Opportunity.” The work group is evaluating policy options from across Minnesota’s major economic sectors for their potential to grow our economy and to reduce

greenhouse gases that contribute to climate change. The Council also has an on-going Climate Change and Environmental Sustainability work group that focuses on internal activities at the Council to reduce the carbon footprint of the agency as a whole. Many of the initiatives coordinated by this group also impact and benefit the cities and other agencies of the region through activities such as urban forestry, solar gardens, and energy management.

RELATIONSHIP TO PREVIOUS WORK: The Council annually prepares a conformity determination of the TIP, and as needed for regionally significant amendments and prepared the most recent conformity determination of the *2040 Transportation Policy Plan and 2016-2019 TIP* in 2015. The Council signed the Transportation Conformity SIP, which lays out interagency roles and responsibilities in conformity determination in 2014- this was approved by USEPA in 2015

RELATIONSHIP TO OTHER AGENCY WORK: The MPCA, Council, and MnDOT will play key roles in the development of a regional response strategy to reduce the anticipated increases in the formation of greenhouse gases, ozone and PM 2.5. The Council staff will provide assistance in travel demand and air emissions modeling. Council planning staff also works with other council divisions on this effort, such as Metro Transit staff to increase transit and carpool usage, and Environmental Services staff, who monitor air pollution from waste water treatment plants.

PRODUCTS

SIP Revision for Minnesota
 Implement SIP Limited Maintenance Plan
 PM2.5/Ozone Emissions Reduction Strategies Effort
 Environmental Initiatives Clean Air Dialogue Work Group
 Minnesota Climate Solutions and Economic Opportunities (CSEO)
 Conformity Analysis of 2017-2020 TIP
 Conformity Analysis of regionally significant TIP and TPP amendments

COMPLETION DATES

Ongoing
 Ongoing
 Ongoing
 Ongoing
 Ongoing
 April
 As needed

Activity B	2016 Budget
ACTIVITY STAFF WEEKS:	656
CONSULTANT:	\$400,000
TOTAL ESTIMATED EXPENDITURES:	\$2,484,834
SOURCES OF FUNDS:	
FEDERAL: (CPG)	\$1,987,867
LOCAL: Met Council	\$496,967
TOTAL	\$2,484,834

C. RESEARCH AND TRAVEL FORECASTING

TASK C-1 TRAVEL FORECASTING AND TECHNICAL SUPPORT

PURPOSE: To support Council staff in other divisions who provide data and technical products to transportation planning division.

ACTIVITIES: Metropolitan Council transportation planning staff relies on the support of staff in other divisions of the Council, including GIS, Research, and Community Development. Research staff provides land use and socio-economic data and forecasts for use in the regional travel model and other analyses. GIS division maintains the regional geographic database.

RELATIONSHIP TO PREVIOUS WORK: This is an ongoing effort to provide data and technical products to support a variety of transportation activities.

RELATIONSHIP WITH OTHER AGENCY WORK: The Council's research division works with the Census Bureau and State Demographer. The Council's GIS division works with the Metro GIS, regional geographic information systems initiative serving the seven-county Minneapolis-St. Paul (Minnesota) metropolitan area, to provide a regional forum to promote and facilitate widespread sharing of geospatial data. The Council and MnDOT share GIS, data, and modeling information when possible.

PRODUCTS

GIS Database	Ongoing
Demographic Forecasts	Ongoing
Land use/Transportation Model	December
Technical Assistance to Land Use Planners	Ongoing
TIP Forecast (for Use in Air Quality Conformity Finding)	April and as needed
TPP Forecast (for Use in Conformity Finding and Scenario Analysis)	As Needed
Satisfy Data Requests	As Needed
Analyze Traffic Impacts of Transportation Projects and Development Proposals	As Needed

COMPLETION DATES

TASK C-2 URBAN TRAVEL RESEARCH AND FORECASTING

PURPOSE: To maintain and apply the travel forecast models to support planning for the orderly development and operation of transportation facilities. To maintain socio-economic, travel and traffic data, and to monitor, revise and update travel forecasts to 2040 and beyond. To provide the projections of traffic demand, greenhouse gas and air pollutant emissions and allied data needed to evaluate regional transportation investment alternatives. To continue a program of travel and employment data research such as the Travel Behavior Inventory undertaken at least every 10 years. This work coordinates travel behavior data with population and economic data and forms the factual basis for forecasting models.

ACTIVITIES: The Metropolitan Council and MnDOT will continue joint efforts in developing and implementing data collection programs to support transportation behavior analysis and forecast model development. In 2010-2015, the decennial Travel Behavior Inventory (TBI) was conducted and disseminated. In 2015, the Council performed the TBI program evaluation, looking at the uses of new technology, new survey methods, and the practice of the composition and timing of travel surveys. In 2016, the Council will begin implementing a new TBI program for the next decade, which may include more frequent household travel surveys using new technologies and methods, third party data purchases, and other ancillary data collection. In 2016 the Council will perform its quinquennial transit on board survey to provide data to update forecast models following several major transit service changes. The Council will continue to perform and support research on regional travel based on the TBI. The TBI data will be used to update the Regional Travel Demand Forecast Model. In 2015, the Council completed development of an activity-based model based on the 2010 TBI. Refinement, testing, application, and release of the new model will continue through 2016. Development and refinement of base highway, transit, freight, and pedestrian/bicycle networks will continue. The Council will continue to perform additional data collection as needed to support model development and improvement. The Council will work with MnDOT to explore integrating dynamic traffic assignment into the forecast model. The Council will continue to investigate additional model improvements such as more detailed bicycle/pedestrian forecasting. The Council will also provide technical assistance and satisfy data requests from other agencies, local units of government and consultants for regional studies, emissions inventories, comprehensive plans, corridor studies, or project planning. It is anticipated that the Council will experience an increase in requests for data and technical assistance as new corridor studies and comprehensive plan updates are initiated. The Council will continue to provide technical assistance and review of major highway and transit corridor and project forecasting.

Council forecast staff also reviews the reasonableness of forecasts in local plans, EAWs, etc that are transmitted to the Council. Staff will continue to review and analyze information from federal data sources such as the Census Transportation Planning Products, the American Community Survey, the National Household Travel Survey, and other data sources. Staff will work with MnDOT to coordinate assessment and purchasing of third-party transportation data where appropriate.

RELATIONSHIP TO PREVIOUS WORK: Travel demand forecasting is an ongoing activity of the Council and region since 1967.

RELATIONSHIP TO OTHER AGENCY WORK: The Council is the lead agency. MnDOT and the Council have a Memo of Understanding on forecasting responsibilities. MnDOT will continue to collaborate with the Council regarding any revisions to the regional model. Also, Metro District and/or its consultants will provide project level, and system level forecasts to support development of Trunk Highway projects, as well as the planning activities of the district. MnDOT will also involve the Council in Metro District’s review and approval of travel demand forecasts developed by consultants for Trunk Highway projects. The Council will partner with MnDOT and local jurisdictions in acquiring data on speed and congestion for the non-freeway arterial and collector system.

PRODUCTS	COMPLETION DATES
Distribute Travel Forecast Model and Provide Needed Training and Documentation	As Needed
Provide Traffic Forecasts in Support of Council and MnDOT Studies	As Needed
Provide Technical Assistance, Support, and Review for Traffic Forecasts performed by regional partners	As needed
Continued Model Development and Enhancement	Ongoing
Transit On Board Survey	2017
TBI Survey Reports, Data Distribution and Data Analysis	Ongoing

TASK C-3 TRAFFIC MONITORING AND EVALUATION

PURPOSE: The purpose of this program is to provide appropriate traffic data as needed to determine annual average daily traffic (AADT) on trunk highways and state aid highways and indicate travel trends and patterns. Data is also used for analysis of transportation caused air pollution and noise.

ACTIVITIES: MnDOT, working through the Office of Transportation Data Analysis, the State Aid for Local Transportation Division, Traffic Management Center and District Traffic Engineer in the Metro District, has established a cooperative counting program with the counties and municipalities. This cooperative program was undertaken for efficiency, convenience and to prevent duplication of vehicle counts, and is part of the overall statewide traffic monitoring program. Special counts will be taken as the need is identified. This work provides a database for identifying trends, and evaluating system performance. The Council will work with MnDOT and the University of Minnesota to expand this program to include more robust counts of trucks, bicycles, and pedestrians, and to provide better speed/operational data on roadways.

RELATIONSHIP TO PREVIOUS WORK: Traffic counting is conducted in the seven-county metropolitan area on a 2 year cycle for all Trunk Highways, County Roads, County State Aid Highways (CSAH), and a few Municipal State Aid Streets (MSAS). Most MSAS’s are counted on a 4 year cycle. There are about 9000 sites where traffic counts are collected. MnDOT’s Metro District personnel conduct the counts on almost all of the 1000 Trunk Highway locations. Metro county field staff collects data on all 2850 County and CSAH locations, and municipal field staff

collects data on the remaining 5150 MSAS locations. Traffic volumes representing Annual Average Daily Traffic (AADT) are shown on traffic volume maps available online in pdf format. These maps cover the seven-county metropolitan area and include individual municipal maps showing the volumes on the Trunk Highway, County, and MSAS systems. All of these AADT estimates including Heavy Commercial AADT (HCADT) estimates are available through the interactive basemap or by using the GIS shape file product. More information about the program as well as all of the available data is located on the web:

http://www.dot.state.mn.us/traffic/data/html/volume_program.html

RELATIONSHIP TO OTHER AGENCY WORK: There is no Metropolitan Council time or funding in this activity although it is essential to the 3C process. MnDOT will continue to provide vehicle count data to the region. This work provides a database for identifying trends and evaluating system performance. This data is used by Metropolitan Council to calibrate the regional travel demand forecast model, and by many implementing agencies for STP applications on the criteria for “traffic volumes served.”

PRODUCTS

Seven-county Metro Area Traffic Volume Maps (2013 volumes)
 Seven-county Metro Area Flow Map (2013 volumes)

COMPLETION DATES

July
 September

Activity C	2016 Budget
ACTIVITY STAFF WEEKS:	141
CONSULTANT:	\$150,000
TOTAL ESTIMATED EXPENDITURES:	\$591,254
SOURCES OF FUNDS:	
FEDERAL: (CPG)	\$473,003
LOCAL: Metropolitan Council	\$118,251
TOTAL	\$591,254

D. OPERATIONS AND MANAGEMENT

TASK D-1 TRANSIT IMPLEMENTATION & EVALUATION

PURPOSE: To evaluate the application of transit service planning guidelines and performance standards, achieving a regional consensus on equity and service priorities in the allocation of transit resources, and instituting service changes.

ACTIVITIES: Review and develop service and capital plans to assure consistency with the Transportation Policy Plan; selection of capital projects, monitoring of system performance and financial status, and other activities to ensure coordination and review between the activities of the Metropolitan Council and its operating entities. Apply service-planning guidelines to determine service areas and types best suited for various areas of the region. Apply performance standards to existing services to determine which services are performing well and which are not. This includes the development of an annual Route Analysis that evaluates all routes in the regional transit system against regional performance standards. The routes that are not performing well should be the focus of restructuring or elimination. Formulate proposed service changes (enhancement, restructure, or reduction) to take to the community for their reaction and input prior to final implementation.

A bus replacement study and the development of a policy for replacement of fleet vehicles is underway in 2015 and will conclude in 2016.

RELATIONSHIP TO PREVIOUS WORK: The Council has routinely supported the planning of transit implementation and evaluation of those activities. The Council works closely with transit providers and partners to accomplish this work.

RELATIONSHIP TO OTHER AGENCY WORK: The Council is the lead agency.

PRODUCTS

Monitor provider performance and financial status
Bus Replacement Study
Transit Implementation assistance and activities

COMPLETION DATES

Ongoing
2016
Ongoing

TASK D-2 TRANSPORTATION PLANNING FOR PEOPLE WITH DISABILITIES

PURPOSE: To formulate plans for the coordination of specialized transportation services in compliance with the Americans with Disabilities Act (ADA) throughout the Metropolitan Area. To conduct public policy research, identify policy issues and recommend policy actions for regional specialized transportation services. To ensure public participation of this community in the transit planning process.

ACTIVITIES: Coordinate the specialized transportation services throughout the Region including Metro Mobility, other ADA transit services and community based paratransit services. Participate with review of MnDOT 5310 capital funding requests for paratransit vehicles. Provide staff support to the Transportation Accessibility Advisory Committee (TAAC). Cooperative activities will continue with the counties and other social service providers on transportation assistance to clients.

The Council will study the likely increase in demand for Metro Mobility services. The Human Services Coordination Plan will be updated in 2016 with assistance from Metropolitan Transportation Services Operations division.

RELATIONSHIP TO PREVIOUS WORK: These work activities are a continuation of past responsibilities carried out by regional government, including the Public Transit/Human Services Coordination Plan. The Human Services Coordination Plan was last updated in 2013.

RELATIONSHIP TO OTHER AGENCY WORK: The Council is the lead agency.

PRODUCTS

Coordination of Regional Specialized Transportation Services
 Coordinate TAAC Meetings
 Human Services Coordination Plan
 Metro Mobility Service Demand Study

COMPLETION DATES

Ongoing
 Monthly
 2016
 2017

TASK D-3 RIGHT OF WAY ACQUISITION LOAN FUND

PURPOSE: To administer the Right of Way Acquisition Loan Fund (RALF)

ACTIVITIES: In 1982 the Minnesota legislature established a revolving loan fund program to acquire undeveloped property located within an officially-mapped metropolitan highway right-of-way that is threatened by development. Council staff are responsible for administering this program. This work is not federally funded. This includes reviewing RALF loan applications and processing loan repayments. Staff also consults with interested cities to determine the eligibility of specific parcels for RALF loans. The Met Council has the ability to levy property tax for the RALF program. Each year, the Council decides whether a levy is necessary to support the program. In addition, the Met Council is required to report on the status of the RALF program each year.

RELATIONSHIP TO PREVIOUS WORK: In 2014 the Council concluded an assessment of the program which showed long-term savings occurred because development of the land and its appreciated costs have been preempted. Some eligibility modifications were made at that time. Over the last 20 years loans have been made to acquire right of way parcels for TH 10, TH 52, TH 169, TH 212, TH 610, I-494,I-694, I-35W and I-35.

RELATIONSHIP TO OTHER AGENCY WORK: Met Council staff works with MnDOT to determine which parcels are needed for future state highway expansions. Staff also coordinates with MnDOT to process RALF repayments and transfer ownership from the Council to MnDOT for highway construction.

Activity D (excluding RALF)	2016 Budget
ACTIVITY STAFF WEEKS:	91
CONSULTANT:	\$150,000
TOTAL ESTIMATED EXPENDITURES:	\$442,931
SOURCES OF FUNDS:	
FEDERAL: (CPG)	354,344
LOCAL:	\$88,586
TOTAL ESTIMATED EXPENDITURES:	\$442,931
RALF ONLY	
ACTIVITY STAFF WEEKS:	2
CONSULTANT:	\$0
SOURCES OF FUNDS:	
FEDERAL: (CPG)	\$0
LOCAL:	\$6,115
TOTAL ESTIMATED EXPENDITURES:	\$6,115

E. AVIATION TRANSPORTATION PLANNING

TASK E-1 AVIATION TRANSPORTATION PLANNING

PURPOSE: To maintain the long-term viability of the regional aviation system by ensuring compatible land use planning, development, system efficiency, and project effectiveness. To develop and implement long-range regional aviation policy, monitor and periodically review and update the TPP (which now includes the APP). To also ensure aviation plan consistency with current and anticipated technical, economic and political conditions. Provide for review and coordination of aviation planning activities among agencies and municipalities.

ACTIVITIES: This activity will continue an aviation system planning program including an aviation database, identification of needs, and evaluation of system performance. Coordination activities continue with MnDOT Aeronautics, Metropolitan Airports Commission (MAC), other airport sponsors, communities, and users on the various metro aviation activities. Other activities include reviews/approvals of individual airport long-term comprehensive plans (LTCPs) and LTCP amendments, airport project environmental evaluations, airport annual capital improvement programs, and land use (noise, safety, and infrastructure) compatibility planning. This task also includes ongoing reviews of the aviation elements of local comprehensive plans and comprehensive plan amendments. Continued coordination will occur on review of projects to implement the MSP 2030 Long-Term Comprehensive Plan.

RELATIONSHIP TO PREVIOUS WORK: This work is a continuance of legislatively directed responsibility for the Council to develop and update a regional transportation systems plan which includes aviation. The 2040 Transportation Policy Plan was completed in 2015 with the major work effort to incorporate new information from the 2030 System Plan Technical Update, updates of all seven reliever airport LTCPs, and the ten-year updates of all metro communities and county comprehensive plans.

RELATIONSHIP TO OTHER AGENCY WORK: The Council is the lead agency on metro airport system planning and works closely with Metropolitan Airports Commission, who owns and operates most of the region's public airports and MnDOT Office of Aeronautics for statewide air system planning and airport project funding. Other cities and agencies participate in planning activities through the Council's TAC/TAB process.

PRODUCTS

Coordination Activities (including implementation of joint airport ordinances)
 Potential System Plan FAA Grant Application
 Review MAC's Capital Improvement Program
 Review of Local Plan Amendments and EAs
 Plan Updates/Amendments for general aviation
 LTCP for Reliever Airports

COMPLETION DATES

Ongoing
 As needed/2017
 January
 As needed
 Ongoing
 2016

Activity E	2016 Budget
ACTIVITY STAFF WEEKS:	56
CONSULTANT:	\$0
TOTAL ESTIMATED EXPENDITURES:	\$178,697
SOURCES OF FUNDS:	
FEDERAL:	\$0
LOCAL:	\$66,129
LOCAL: MAC	\$115,468
TOTAL	\$178,697

III. APPENDICES

A. 2016 UNIFIED PLANNING WORK PROGRAM BUDGET

		Staff Weeks 2013	Salary Cost	Consult- ant Cost	Overhead & Expenses	Total Cost	UPWP Federal	Local Met C	Local MAC	Total	% Local
A	Planning and Programming Process	252	\$547,666	\$100,000	\$704,274	\$1,351,940	\$1,081,552	\$270,388		\$1,351,940	20%
B	Comprehensive & Land Transp Pl	656	\$1,270,706	\$400,000	\$814,128	\$2,484,834	\$1,987,867	\$496,967		\$2,484,834	20%
C	Research & Travel Forecasting	141	\$266,266	\$150,000	\$174,988	\$591,254	\$473,003	\$118,251		\$591,254	20%
D	Operations and Management	91	\$179,995	\$150,000	\$112,935	\$442,931	\$354,344	\$88,586		\$442,931	20%
Federally Funded		1,140	\$2,264,632	\$800,000	\$1,806,326	\$4,870,959	\$3,896,767	\$974,192	\$0	\$4,870,959	20%
E	Aviation Transportation Planning	56	\$109,198	\$0	\$69,499	\$178,697	\$0	\$66,129	\$115,468	\$181,597	100%
D-4	RALF	2	\$3,415	\$0	\$2,482	\$5,897	\$0	\$6,115		\$6,115	100%
Locally Funded		58	\$112,612	\$0	\$71,981	\$184,593	\$0	\$72,244	\$115,468	\$187,712	100%
Total		1,198	\$2,377,245	\$800,000	\$1,878,307	\$5,055,552	\$3,896,767	\$1,046,435	\$115,468	\$5,058,670	21%

2016 UPWP Program Budget -- Salary Portion

UPWP Category	Project Title	Federal Funding Amount	Local Funding Amount	Total Funding Amount
A	Planning and Programming Process			\$547,665.86
A-1	Planning Program Support and Administration	\$254,116.96	\$63,529.24	\$317,646.20
A-2	TIP Development and Management	\$39,431.94	\$9,857.99	\$49,289.93
A-3	Regional Solicitation	\$43,813.27	\$10,953.32	\$54,766.59
A-4	Respond to Revisions in Federal Transportation Law	\$13,143.98	\$3,286.00	\$16,429.98
A-5	Transportation Finance	\$87,626.54	\$21,906.63	\$109,533.17
B	Comprehensive & Land Trans			\$1,270,705.75
B-1	Land Use and General Transportation Planning	\$355,797.61	\$88,949.40	\$444,747.01
B-2	Performance-Based Planning and Measurement	\$20,331.29	\$5,082.82	\$25,414.11
B-3	Congestion Management Process	\$182,981.63	\$45,745.41	\$228,727.03
B-4	Corridor Studies	\$182,981.63	\$45,745.41	\$228,727.03
B-5	Highway System Planning	\$20,331.29	\$5,082.82	\$25,414.11
B-6	Freight Planning	\$40,662.58	\$10,165.65	\$50,828.23
B-7	Transit Planning	\$101,656.46	\$25,414.11	\$127,070.57
B-8	Bicycle and Pedestrian Planning	\$71,159.52	\$17,789.88	\$88,949.40
B-9	Environmental Justice and Equity	\$20,331.29	\$5,082.82	\$25,414.11
B-10	Air Quality and Climate Change Planning	\$20,331.29	\$5,082.82	\$25,414.11
C	Research and Travel Forecasting			\$266,265.78
C-1	Travel Forecasting and Technical Support	\$125,677.45	\$31,419.36	\$157,096.81
C-2	Urban Travel Research and Forecasting	\$80,944.80	\$20,236.20	\$101,181.00
C-3	Traffic Monitoring and Evaluation	\$6,390.38	\$1,597.59	\$7,987.97
D	Operations and Management			\$179,995.05
D-1	Transit Implementation & Evaluation	\$86,422.16	\$21,605.54	\$108,027.70
D-2	Transportation Planning for People with Disabilities	\$54,891.29	\$13,722.82	\$68,614.11
D-3	Right of Way Acquisition Loan Fund		\$3,414.58	\$3,414.58
E	Aviation Transportation Planning			\$109,197.81
E-1	Aviation Transportation Planning		\$109,197.81	\$109,197.81

B. ROLES AND RESPONSIBILITIES OF PARTICIPANTS

OVERVIEW OF THE ON-GOING 3-C PLANNING PROCESS BY THE MPO

As the Metropolitan Planning Organization for the Twin Cities area, the Council is the lead agency responsible for administering and coordinating the activities of participants carrying out the required tasks of the transportation planning process.

Participants in the transportation planning process include the Metropolitan Council; the Minnesota Department of Transportation (MnDOT); the Minnesota Pollution Control Agency (MPCA); the Metropolitan Airports Commission (MAC); transit operators; counties and municipalities; local officials; private citizens; and U.S. Department of Transportation (U.S. DOT).

Transportation agency staff from the agencies, counties and municipalities are involved in the policy-making process through the Technical Advisory Committee (TAC), which advises the Transportation Advisory Board. Other subcommittees and task forces of the TAC deal with specific transportation issues. Refer to Figure 2 in the Transportation Planning and Programming Guide, adopted June 2012, (<http://www.metrocouncil.org/Transportation/Publications-And-Resources/TransportationPlanningGuide-pdf.aspx>) for a flow-chart that delineates transportation committees of the TAB and TAC involved in the 3-C (continuing, comprehensive, cooperative) transportation planning process.

Detailed information about the roles and responsibilities of agencies and local units of government in the transportation planning process are included in the Transportation Planning and Programming Guide. The Guide also includes information on adopted planning documents and web links for the documents.

C. FEDERAL FACTORS CONSIDERED BY PROGRAM ELEMENT

On August 10, 2005, Congress signed in law PL 109-50, the Safe, Accountable, Flexible, Efficient Transportation Equity Act – A Legacy for Users, which is referred to as SAFETEA-LU. This law required, under Section 6001 (h), that plans and programs address the eight elements listed below. These same elements were retained in MAP-21, Section 1201 – 134 (h)(1).

- 1) In general. – The metropolitan transportation planning process for a metropolitan area under this section shall provide for consideration of projects and strategies that will –
 - A. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity and efficiency;
 - B. Increase the safety of the transportation system for motorized and nonmotorized users;
 - C. Increase the security of the transportation system for motorized and nonmotorized users;
 - D. Increase the accessibility and mobility of people and for freight;
 - E. Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;
 - F. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
 - G. Promote efficient system management and operation; and
 - H. Emphasize the preservation of the existing transportation system.

The factors that apply to each element of the Unified Planning Work Program are listed below.

FEDERAL FACTORS	A	B	C	D	E	F	G	H
Planning and Programming Process	X	X	X	X	X	X	X	X
Comprehensive and Surface Transportation Planning	X	X	X	X	X	X	X	X
Research and Travel Forecasting	X	X	X	X	X	X	X	X
Operations and Management	X	X	X	X	X	X	X	X
Aviation Transportation Planning	X	X	X	X	X	X	X	X



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