



DISCUSSION DRAFT

# 2021-2022 Unified Planning Work Program

Transportation planning in the  
Portland/Vancouver metropolitan area

~~February~~April 2021

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Metro is the federally mandated metropolitan planning organization designated by the governor to develop an overall transportation plan and to allocate federal funds for the region.

The Joint Policy Advisory Committee on Transportation (JPACT) is a 17-member committee that provides a forum for elected officials and representatives of agencies involved in transportation to evaluate transportation needs in the region and to make recommendations to the Metro Council. The established decision-making process assures a well-balanced regional transportation system and involves local elected officials directly in decisions that help the Metro Council develop regional transportation policies, including allocating transportation funds.

Unified Planning Work Program website: [oregonmetro.gov/unified-planning-work-program](http://oregonmetro.gov/unified-planning-work-program)

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# Unified Planning Work Program (UPWP) overview





# Portland Metropolitan Area Unified Planning Work Program (UPWP) Overview

## INTRODUCTION

The Unified Planning Work Program (UPWP) is developed annually and documents metropolitan transportation planning activities performed with federal transportation funds (and regionally significant activities using local funds). The UPWP is developed by Metropolitan Planning Organizations (MPOs) in cooperation with Federal and State agencies, local governments and transit operators.

This UPWP documents the metropolitan planning requirements, planning priorities facing the Portland metropolitan area and transportation planning activities and related tasks to be the regional will accomplished during Fiscal Year 2021-2022 (from July 1, 2021 to June 30, 2022).

Metro is the metropolitan planning organization (MPO) designated by Congress and the State of Oregon, for the Oregon portion of the Portland/Vancouver urbanized area, covering 24 cities and three counties. It is Metro's responsibility to meet the requirements of The Fixing America's Surface Transportation FAST Act, the Oregon Transportation Planning Rule (which implements Statewide Planning Goal 12), and the Metro Charter for this MPO area. In combination, these requirements call for development of a multi-modal transportation system plan that is integrated with the region's land use plans, and meets Federal and state planning requirements.

The UPWP is developed by Metro, as the MPO for the Portland metropolitan area. It is a federally-required document that serves as a tool for coordinating federally - funded transportation planning activities (and locally funded activities of regional significance) to be conducted over the course of each fiscal year, beginning on July 1. Included in the UPWP are detailed descriptions of the transportation planning projects and programs, listings of draft activities for each project, and a summary of the amount and source of local, state and federal funds to be used for planning activities. Estimated costs for project staff (expressed in full-time equivalent, or FTE) include budget salary and benefits as well as overhead costs per FTE for project administrative and technical support.

## Transportation planning and project development activities

Metro, as the greater Portland area MPO, administers funds to both plan and develop projects for the region's transportation system. Transportation planning activities are coordinated and administered through the Unified Planning Work Program (UPWP). Project development is coordinated and administered through the Metropolitan Transportation Improvement Program (MTIP).

Following is a description and guidance of what activities will be defined as transportation planning activities to be included in the UPWP and activities that will be defined as transportation project development activities and included in the MTIP.<sup>1</sup> The descriptions are consistent with the Oregon planning process and definitions.

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<sup>1</sup> If federal transportation funds are used for a transportation planning activity, in addition to its UPWP project entry, those funds will have an entry in the MTIP for the purpose of tracking the obligation of those funds only. The coordination and administration of the planning work will be completed within the UPWP process.

Agencies using federal transportation funds or working on regionally significant planning and/or project development activities, should coordinate with Metro on their description of work activities and budgets for how to include a description of those activities in the appropriate UPWP or [Transportation Improvement Program \(TIP\)](#) process and documents.

### **Transportation planning activities to be administered or tracked through the UPWP process**

Work activities that are intended to define or develop the need, function, mode and/or general location of one or more regional or state transportation facilities is planning work and administered through the UPWP process. A state agency may declare an activity as planning if that activity does not include tasks defined as project development.

Examples of UPWP type of planning activities include: transportation systems planning, corridor or area planning, Alternatives Analysis, Type, Size and Location (TSL) studies, and facilities planning.

### *UPWP Definitions*

"System Planning" occurs at the regional, community or corridor scale and involves a comprehensive analysis of the transportation system to identify long-term needs and proposed project solutions that are formally adopted in a transportation system plan, corridor plan, or facility plan.

"Project Planning" occurs when a transportation project from an adopted plan (e.g. system, corridor, etc.) is further developed for environmental [clearance-screening](#) and design. Often referred to as scoping, project planning can include:

- Problem identification
- Project purpose and need
- Geometric concepts (such as more detailed alignment alternatives)
- Environmental [clearance-screening](#) analysis
- Agency coordination
- Local public engagement strategy

"Transportation Needs" means estimates of the movement of people and goods consistent with acknowledged comprehensive plan and the requirements of the state transportation planning rule. Needs are typically based on projections of future travel demand resulting from a continuation of current trends as modified by policy objectives, including those expressed in Oregon Planning Goal 12 and the State Transportation Planning rule, especially those for avoiding principal reliance on any one mode of transportation.

"Transportation Needs, Local" means needs for movement of people and goods within communities and portions of counties and the need to provide access to local destinations.

"Transportation Needs, Regional" means needs for movement of people and goods between and through communities and accessibility to regional destinations within a metropolitan area, county or associated group of counties.

"Transportation Needs, State" means needs for movement of people and goods between and through regions of the state and between the state and other states.



“Function” means the travel function (e.g. principle arterial or regional bikeway) of a particular facility for each mode of transportation as defined in a Transportation System Plan by its functional classification.

“Mode” means a specific form of travel, defined in the Regional Transportation Plan (RTP) as motor vehicle, freight, public transit, bicycle and pedestrian modes.

“General location” is a generalized alignment for a needed transportation project that includes specific termini and an approximate route between the termini.

**Transportation project development and/or preliminary engineering activities to be administered or tracked through the Transportation Improvement Program process**

Transportation project development work occurs on a specific project or a small bundle of aligned and/or similar projects. Transportation project development activities implement a project to emerge from a local transportation system plan (TSP), corridor plan, or facility plan by determining the precise location, alignment, and preliminary design of improvements based on site-specific engineering and environmental studies. Project development addresses how a transportation facility or improvement authorized in a TSP, corridor plan, or facility plan is designed and constructed. This may or may not require land use decision-making. *See table below for a description of how Metro’s various Federal, State, Regional and local planning documents interrelate.*

MPO staff will work with agency staff when determining whether work activities to define the location of a facility is more about determining a general location (planning activity) or precise location (project development activity).

For large transit or throughway projects, this work typically begins when the project is ready to enter its Final Environmental Impact Statement and Engineering phase.

**Role of Metro's Federal, State and Planning Documents**

<b>Regional Transportation Plan (RTP)</b>	Serves as both our Metropolitan Transportation Plan for federal purposes and our Regional Transportation System Plan (TSP) for Oregon statewide planning purposes. Establishes regional policy, performance measures and targets and a rolling 20-year system of transportation investments for the region. Updated every five years. Local cities and counties are also required by the State to complete their own TSP which, must be consistent with the RTP. The local TSPs and the RTP have an iterative relationship – both influence and inform each other.
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<b>Regional Transportation Functional Plan (RTFP)</b>	Establishes transportation planning requirements for cities and counties in the Metro region that build upon state and federal requirements. Updated periodically, usually in tandem with an RTP update.
<b>Metropolitan Transportation Improvement Program (MTIP)</b>	Four-year program for transportation investments in the Metro region using federal transportation funds. Updated every three years and amended <del>monthly</del> <u>as required</u> .
<b>Unified Planning Work Program (UPWP)</b>	Annual program of federally-funded transportation planning activities in the Metro region (including ODOT planning projects <u>and locally led (and funded) projects of regional significance</u> ). Includes Metro's annual self-certification with federal planning requirements.

### Organization of UPWP

The UPWP is organized into three sections: the UPWP Overview, ~~a listing of~~ planning activities by category, and other planning related information including the UPWP for the Southwest Washington Regional Transportation Council.

Planning activities for the Portland metropolitan area are listed in the UPWP by categories to reflect:

- Metro led region wide planning activities,
- Corridor/area plans
- Administrative and support programs;
- State led transportation planning of regional significance, and
- Locally led planning of regional significance.

### Development of UPWP

When developing the annual UPWP, Metro follows protocols established by ODOT in cooperation with the United States Department of Transportation in 2016. These protocols govern the general timeline for initiating the UPWP process, consultation with state and federal agencies and adoption by the Joint Policy Advisory Committee on Transportation (JPACT) and the Metro Council.

The UPWP is developed by Metro with input from local governments, Tri-County Metropolitan Transportation District (TriMet), South Metro Area ~~Rapid-Regional~~ Transit (SMART), Oregon Department of Transportation (ODOT), Federal Highway Administration (FHWA) and Federal Transit Administration (FTA). Additionally, Metro must undergo a process known as self-certification to demonstrate that Metro conducts the ~~Portland metropolitan~~ region's planning process ~~is being conducted~~ in accordance with all applicable federal transportation planning requirements. Self-certification is conducted in conjunction with the adoption of the MTIP.

This UPWP includes the transportation planning activities of Metro and other area governments using Federal funds for transportation planning activities for the fiscal year of July 1, 202~~10~~<sup>19</sup> through June 30, 202~~21~~<sup>20</sup>. During the consultation, public review and adoption process for the 20~~20~~<sup>19</sup>-21~~0~~<sup>9</sup> UPWP, draft versions of the document were made available to the public through Metro's website, and distributed to Metro's advisory committees and the Metro Council. The same protocol will be followed for the 202~~10~~<sup>19</sup>-22~~1~~<sup>0</sup> UPWP.

## **AMENDING THE UPWP**

The UPWP is a living document, and must be amended periodically to reflect significant changes in project scope or budget of planning activities (as defined in the previous section of the UPWP) to ensure continued, effective coordination among our federally funded planning activities. This section describes the management process for amending the UPWP, identifying project changes that require an amendment to the UPWP, and which of these amendments can be accomplished as administrative actions by staff versus legislative action by JPACT and the Metro Council.

Legislative amendments (including a staff report and resolution) to the UPWP are required when any of the following occur:

- A new planning study or project is identified and is scheduled to begin within the current fiscal year
- There is a \$500,000 or more increase in the total cost of an existing UPWP project. This does not cover carryover funds for a project/program extending multiple fiscal years that is determined upon fiscal year closeout.

Legislative amendments must be submitted by the end of the 2<sup>nd</sup> quarter of the fiscal year for the current UPWP.

Administrative amendments to the UPWP can occur for the following:

- Changes to total UPWP project costs that do not exceed the thresholds for legislative amendments above.
- Revisions to a UPWP narrative's scope of work, including objectives, tangible products expected in fiscal year, and methodology.
- Addition of carryover funds from previous fiscal year once closeout has been completed to projects or programs that extend into multiple fiscal years.

Administrative amendments can be submitted at any time during the fiscal year for the current UPW.

## **FEDERAL REQUIREMENTS FOR TRANSPORTATION PLANNING**

The current federal transportation ACT, Fixing America's Surface Transportation (FAST) Act, provides direction for regional transportation planning activities. The FAST Act was signed into law by President Obama on December 4, 2015. It sets the policy and programmatic framework for transportation investments. Fast Act stabilizes federal funding to state and metropolitan regions for transportation planning and project improvements and funding levels for the federal aid transportation program, and among key initiatives adds new competitive grants which promote investments in the nation's strategic freight corridors.

The FAST Act retains the multi-modal emphasis of the federal program by ensuring funding of transit programs as well as the Transportation Alternatives Program. FAST Act builds in the program structure and reforms of the prior federal Transportation Act, the Moving Ahead for Progress in the 21<sup>st</sup> Century Act (MAP-21), which created streamlined and performance-based surface transportation program.

Regulations implementing FAST Act require state Department of Transportation and Metropolitan Planning Organizations to establish performance measures and set performance targets for each of the seven national goal areas to provide a means to ensure efficient investment of federal transportation funds, increase accountability and transparency, and improve investment decision-making. The national goal areas are:

- Safety
- Infrastructure condition
- Congestion reduction
- System reliability
- Freight movement and economic vitality
- Environmental sustainability
- Reduce project delivery delays

#### A. Planning Emphasis Areas (PEAs)

The metropolitan transportation planning process must also incorporate Federal Highway Administration/Federal Transit Administration **Planning Emphasis Areas (PEAs)**.

<https://www.transit.dot.gov/regulations-and-guidance/transportation-planning/joint-fta-fhwa-emphasis-planning-areas-pdf> For FY 2019-2020, these include:

- **Models of Regional Planning Cooperation:** Promote cooperation and coordination across MPO boundaries and across State boundaries to ensure a regional approach to transportation planning. Cooperation could occur through the metropolitan planning agreements that identify how the planning process and planning products will be coordinated, through the development of joint planning products, and/or by other locally determined means. Coordination includes the linkages between the transportation plans and programs, corridor studies, projects, data, and system performance measures and targets across MPO and State boundaries. It also includes collaboration between State DOT(s), MPOs, and operators of public transportation on activities such as: data collection, data storage and analysis, analytical tools, target setting, and system performance reporting in support of performance based planning.
- **Access to Essential Services:** As part of the transportation planning process, identify social determination of transportation connectivity gaps in access to essential services. Essential services include housing, employment, health care, schools/education, and recreation. This emphasis area could include identification of performance measures and analytical methods to measure the transportation system's connectivity to essential services and the use of this information to identify gaps in transportation system connectivity that preclude access of the public, including traditionally underserved populations, to essential services. It could also involve the identification of solutions to address those gaps.

- **MAP-21 and FAST Act Implementation: Transition to Performance Based Planning and Programming to be used in Transportation Decision-making:** The development and implementation of a performance management approach to metropolitan transportation planning and programming includes the development and use of transportation performance measures, target setting, performance reporting, and selection of transportation investments that support the achievement of performance targets. These components will ensure the achievement of transportation system performance outcomes. Compliance with MAP-21 reporting requirements is carried out through the MPO Management and Services program, though data for the reporting is generated from programs specific to the measures (e.g., safety, freight, system reliability). The data relationship to these supporting programs is also described in the MPO Services section of the UPWP.

#### **B. Public Involvement**

Federal regulations place significant emphasis on broadening participation in transportation planning to include key stakeholders who have not traditionally been involved in the planning process, including the business community, members of the public, community groups, and other governmental agencies. Effective public involvement will result in meaningful opportunities for public participation in the planning process.

#### **C. Regional Transportation Plan**

The long-range transportation plan must include the following:

- Identification of transportation facilities (including major roadways, transit, bike, pedestrian and intermodal facilities and intermodal connectors) that function as an integrated metropolitan transportation system.
- A discussion of types of potential environmental mitigation activities and potential areas to carry out these activities.
- A financial plan that demonstrates how the adopted transportation plan can be implemented.
- Operational and management strategies to improve the performance of existing transportation facilities to manage vehicular congestion and maximize the safety and mobility of people and goods.
- Capital investment and other strategies to preserve the existing and projected future metropolitan transportation infrastructure and provide for multimodal capacity increases based on regional priorities and needs.
- Proposed transportation and transit enhancement activities.
- Recognition of the ~~2016~~ Coordinated Transportation Plan for Seniors and People with Disabilities
- Addressing required federal planning factors: improving safety, supporting economic vitality, increasing security, increasing accessibility and mobility, protecting the environment and promoting consistency between transportation investments and state and local growth plans, enhancing connectivity for people and goods movement, promoting efficient system management and operations, emphasizing preservation of existing transportation infrastructure, improving resiliency and reliability and enhancing travel and tourism.
- A performance-based planning process, including performance measures and targets.

#### **D. Metropolitan Transportation Improvement Program (MTIP)**

The short-range metropolitan TIP must include the following:

- A priority list of proposed federally supported projects and strategies to be carried out

within the MTIP period.

- A financial plan that demonstrates how the MTIP can be implemented.
- Descriptions of each project in the MTIP.
- A performance-based planning process, including performance measures and targets.

#### E. Transportation Management Area (TMA)

Metropolitan areas designated TMAs (urbanized areas with a population of over 200,000) such as Metro must also address the following requirements:

- Transportation plans must be based on a continuing and comprehensive transportation planning process carried out by the MPO in cooperation with the State and public transportation operators.
- A Congestion Management Process (CMP) must be developed and implemented that provides for effective management and operation, based on a cooperatively developed and implemented metropolitan-wide strategy of new and existing transportation facilities, through use of travel demand reduction and operational management strategies.
- A federal certification of the metropolitan planning process must be conducted at least every 4 years. At least every 4 years, the MPO must also self-certify concurrent with submittal of an adopted TIP. See Appendix A for a table displaying Metro's progress and future actions to address Federal Corrective Actions.

#### F. Air Quality Conformity Process

As of October 2017, the region has successfully completed its second 10-year maintenance plan and ~~has not been re-designated as non-attainment for any other criteria pollutants. As a result, the region is no longer subject to demonstrating transportation plans, programs, and projects are in conformance, but will continue to be subject to meeting federal air quality standard and provisions within the State Implementation Plan.~~ is now in attainment with federal air quality regulations

### STATUS OF METRO'S FEDERALLY REQUIRED PLANNING DOCUMENTS

Plan Name	Last Update	Next Update
Unified Planning Work Program (UPWP)	Adopted in May 2020	Scheduled for adoption in May 2021
Regional Transportation Plan (RTP)	Adopted in December 2018	Scheduled for adoption in December 2023
Metropolitan Transportation Improvement Program (MTIP)	Adopted in July 2020	Scheduled for adoption in July, 2023
Annual Listing of Obligated Projects Report	Completed at the end of each calendar year	Scheduled for December 31, 2021
Title VI/ Environmental Justice Plan	Updated in July 2017	Scheduled for <del>December 2020</del> <u>April 2021</u>



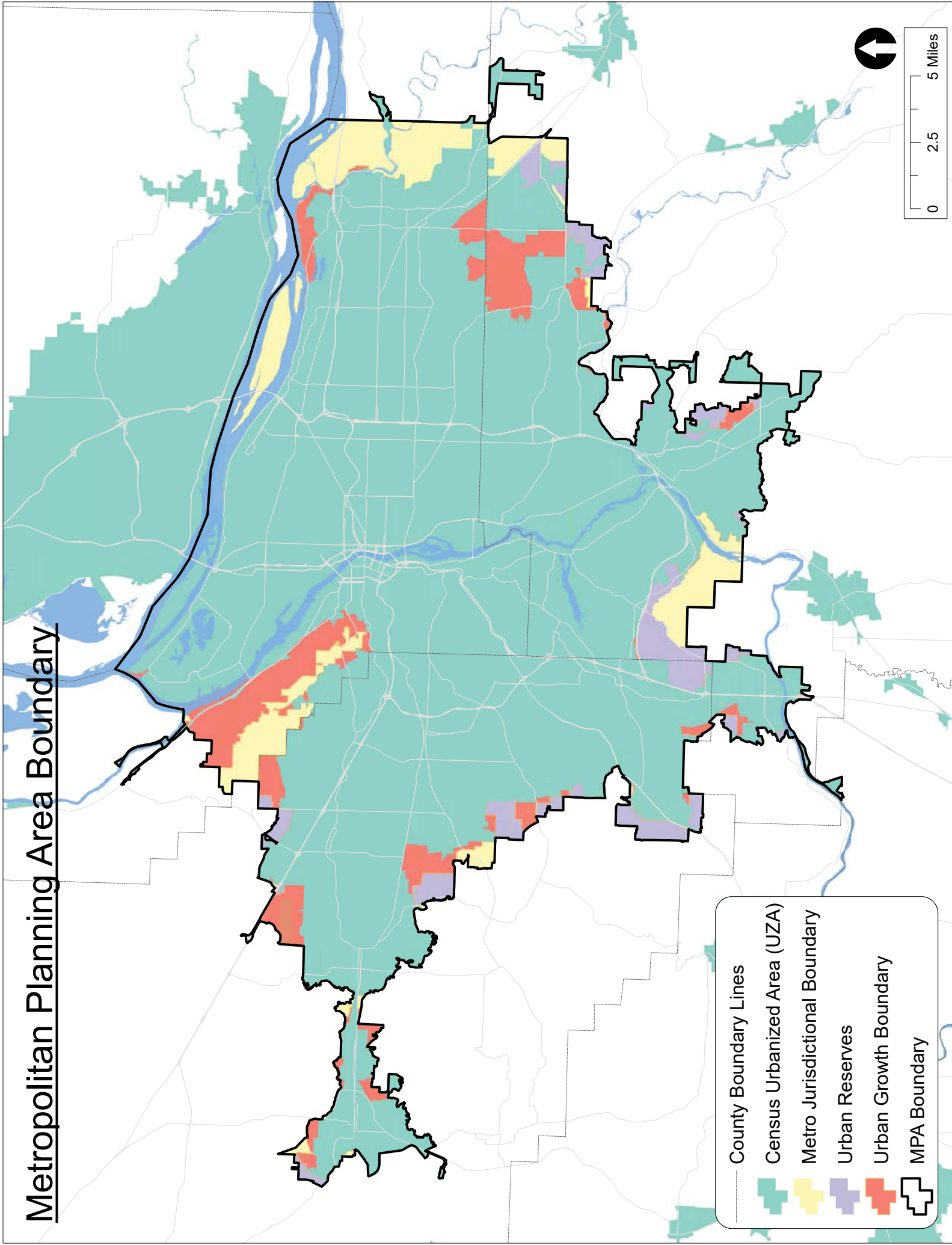
Public Participation Plan	Updated in January 2019	July 2022
ADA Self-Evaluation & Facilities Update Plan	Facilities Update Plan completed in July 2019	ADA Self-Evaluation of Programs underway, scheduled for completion by June 2021.

### **METRO OVERVIEW**

Metro was established in 1979 as the MPO for the Portland metropolitan area. Under the requirements of FAST Act, Metro serves as the regional forum for cooperative transportation decision-making as the federally designated Metropolitan Planning Organization (MPO) for Oregon portion of the Portland-Vancouver urbanized area.

Federal and state law requires several metropolitan planning boundaries be defined in the region for different purposes. The multiple boundaries for which Metro has a transportation and growth management planning role are: [MPO Planning Area](#)[Metro Jurisdictional](#) Boundary, Urban Growth Boundary (UGB), Urbanized Area Boundary (UAB), Metropolitan Planning Area Boundary (MPA), and Air Quality Maintenance Area Boundary (AQMA).

# Metropolitan Planning Area Boundary



First, Metro's jurisdictional boundary encompasses the urban portions of Multnomah, Washington and Clackamas counties.

Second, under Oregon law, each city or metropolitan area in the state has an urban growth boundary that separates urban land from rural land. Metro is responsible for managing the Portland metropolitan region's urban growth boundary.

Third, the Urbanized Area Boundary (UAB) is defined to delineate areas that are urban in nature distinct from those that are largely rural in nature. The Portland-Vancouver metropolitan region is somewhat unique in that it is a single urbanized area that is located in two states and served by two MPOs. The federal UAB for the Oregon-portion of the Portland-Vancouver metropolitan region is distinct from the Metro Urban Growth Boundary (UGB).

Fourth, MPO's are required to establish a Metropolitan Planning Area (MPA) Boundary, which marks the geographic area to be covered by MPO transportation planning activities, including development of the UPWP, updates to the Regional Transportation Plan (RTP), Metropolitan Transportation Improvement Program (MTIP), and allocation of federal transportation funding through the Regional Flexible Fund Allocation (RFFA) process. At a minimum, the MPA boundary must include the urbanized area, areas expected to be urbanized within the next twenty years and areas within the Air Quality Maintenance Area Boundary (AQMA) – a fifth boundary.

The federally-designated AQMA boundary includes former non-attainment areas in the metropolitan region that are subject to federal air quality regulations. As a former carbon monoxide and ozone non-attainment region, the Portland metropolitan region had been subject to a number of transportation conformity requirements. As of October 2017, the region has completed and is no longer required to perform transportation conformity requirements for carbon monoxide. Transportation conformity requirements related to ozone were lifted in the late 2000's due to the revocation of the 1-hour ozone standard, which was the standard the region had been in non-attainment. However, Metro continues to comply with the State Implementation Plan for air quality, including Transportation Conformity Measures.

## **REGIONAL POLICY FRAMEWORK**

The 2018 RTP plays an important role in implementing the 2040 Growth Concept, the region's adopted blueprint for growth. To carry out this function, the RTP is guided by six desired regional outcomes adopted by the Metro Council, which in turn are implemented through the goals and objectives that make up the policy framework of the plan. These are the six desired outcomes:

- Equity
- Vibrant Communities
- Economic Prosperity

- Safe and Reliable Transportation
- Clean Air and Water
- Climate Leadership

While these broad outcomes establish a long-term direction for the plan, the near-term investment strategy contained in the 2018 Regional Transportation Plan focuses on key priorities within this broader vision for the purpose of identifying transportation needs, including projects and the planning activities contained in the UPWP. These investment priorities include a specific focus on:

- Equity
- Safety
- Managing Congestion
- Climate

The planning activities described in this UPWP were prioritized and guided by these focus areas as a way to make progress toward the desired outcomes, and each project narrative includes a discussion of one or more of these planning priorities. Regional planning projects included in the UPWP are also described in detail within the 2018 RTP, itself, in terms of their connection to the broader outcomes envisioned in the plan. These descriptions are included in Chapter 8 of the 2018 RTP, which serves as the starting point for Metro's annual work plan for transportation planning.

## **METRO GOVERNANCE AND COMMITTEES**

Metro is governed by an elected regional Council, in accordance with a voter-approved charter. The Metro Council is comprised of representatives from six districts and a Council President elected region-wide. The Chief Operating Officer is appointed by the Metro Council and leads the day-to-day operations of Metro. Metro uses a decision-making structure that provides state, regional and local governments the opportunity to participate in the transportation and land use decisions of the organization. Two key committees are the Joint Policy Advisory Committee on Transportation (JPACT) and the Metro Policy Advisory Committee (MPAC). These committees are comprised of elected and appointed officials and receive technical advice from the Transportation Policy Alternatives Committee (TPAC) and the Metro Technical Advisory Committee (MTAC).

### **Joint Policy Advisory Committee on Transportation (JPACT)**

JPACT is a 17-member policy committee that serves as the MPO Board for the region. JPACT is chaired by a Metro Councilor and includes two additional Metro Councilors, seven locally elected officials representing cities and counties, and appointed officials from the Oregon Department of Transportation (ODOT), TriMet, the Port of Portland, and the Department of Environmental Quality (DEQ). The State of Washington is also represented with three seats that are traditionally filled by two locally elected officials and an appointed official from the Washington Department of Transportation, (WSDOT). All MPO transportation-related actions are recommended by JPACT to the Metro Council. The Metro Council can ratify the JPACT recommendations or refer them back to JPACT with a specific concern for reconsideration.

Final approval of each action requires the concurrence of both JPACT and the Metro Council. JPACT is primarily involved in periodic updates to the Regional Transportation Plan (RTP),

Metropolitan Transportation Improvement Program (MTIP), and review of ongoing studies and financial issues affecting transportation planning in the region.

#### **Metro Policy Advisory Committee (MPAC)**

MPAC was established by Metro Charter to provide a vehicle for local government involvement in Metro's growth management planning activities. It includes eleven locally-elected officials, three appointed officials representing special districts, TriMet, a representative of school districts, three citizens, two Metro Councilors (with non-voting status), two officials from Clark County, Washington and an appointed official from the State of Oregon (with non-voting status). Under Metro Charter, this committee has responsibility for recommending to the Metro Council adoption of, or amendment to, any element of the Charter-required Regional Framework Plan.

The Regional Framework Plan was first adopted in December 1997 and addresses the following topics:

- Transportation
- Land Use (including the Metro Urban Growth Boundary (UGB))
- Open Space and Parks
- Water Supply and Watershed Management
- Natural Hazards
- Coordination with Clark County, Washington
- Management and Implementation

In accordance with these requirements, the transportation plan is developed to meet not only the FAST Act, but also the Oregon Transportation Planning Rule and Metro Charter requirements, with input from both MPAC and JPACT. This ensures proper integration of transportation with land use and environmental concerns.

#### **Transportation Policy Alternatives Committee (TPAC)**

TPAC is comprised of technical staff from the same jurisdictions as JPACT, plus a representative from the Southwest Washington Regional Transportation Council, and six community members. In addition, the Federal Highway Administration and C-TRAN have each appointed an associate non-voting member to the committee. TPAC makes recommendations to JPACT.

#### **Metro Technical Advisory Committee (MTAC)**

MTAC is comprised of technical staff from the same jurisdictions as MPAC plus community and business members representing different interests, including public utilities, school districts, economic development, parks providers, housing affordability, environmental protection, urban design and development. MTAC makes recommendations to MPAC on land use related matters.

#### **Metro Public Engagement Review Committee (PERC), Committee on Racial Equity (CORE), and Housing Oversight Committee**

The [Metro Public Engagement Review Committee \(PERC\)](#) advises the Metro Council on engagement priorities and ways to engage community members in regional planning activities consistent with adopted public engagement policies, guidelines and best practices. The [Committee on Racial Equity \(CORE\)](#) provides community oversight and advises the Metro Council on implementation of Metro's [Strategic Plan for Advancing Racial Equity, Diversity and Inclusion](#).

Adopted by the Metro Council in June 2016 with the support of MPAC, the strategic plan leads with race, committing to concentrate on eliminating the disparities that people of color experience, especially in those areas related to Metro's policies, programs, services and destinations.

On November 6, 2018, voters in greater Portland approved the nation's first regional housing bond. The bond will create affordable homes for 12,000 people across our region, including seniors, veterans, people with disabilities, and working families. Housing affordability is a key component of Metro's 2040 growth concept.

~~The regional affordable housing bond framework included these core values:~~

- ~~• Lead with racial equity to ensure access to affordable housing opportunities for historically marginalized communities.~~
- ~~• Prioritize people least well served by the market.~~
- ~~• Create opportunity throughout the region by increasing access to transportation, jobs, schools, and parks, and prevent displacement in changing neighborhoods.~~
- ~~• Ensure long-term benefits and good use of public dollars with fiscally sound investments and transparent community oversight.~~

Metro Council adopted a [framework](#) to guide implementation and appointed an [Oversight Committee](#) to provide independent and transparent oversight of the housing bond implementation.

## **PLANNING PRIORITIES IN THE GREATER PORTLAND REGION**

FAST Act, the Clean Air Act Amendments of 1990 (CAAA), the Oregon Metropolitan Greenhouse Gas Reduction Targets Rule, the Oregon Transportation Planning Rule, the Oregon Transportation Plan and modal/topic plans, the Metro Charter, the Regional 2040 Growth Concept and Regional Framework Plan together have created a comprehensive policy direction for the region to update land use and transportation plans on an integrated basis and to define, adopt, and implement a multi-modal transportation system. Metro has a unique role in state land use planning and transportation. In 1995, the greater Portland region adopted the 2040 Growth Concept, the long-range strategy for managing growth that integrates land use and transportation system planning to preserve the region's economic health and livability in an equitable, environmentally sound and fiscally-responsible manner. A primary mission of the RTP is implementing the 2040 Growth Concept and supporting local aspirations for growth.

These Federal, state and regional policy directives also emphasize development of a multi-modal transportation system. Major efforts in this area include:

- Update of the Regional Transportation Plan (RTP)
- Update to the Metropolitan Transportation Improvement Program (MTIP)
- Implementation of projects selected through the STIP/MTIP updates
- Completing multi-modal refinement studies in the Southwest Corridor Plan and the Powell/Division Transit Corridor Plan.

Among the policy directives in the RTP and state and federal requirements are the region's six desired outcomes:

- Equity – The benefits and burdens of growth and change are distributed equally
- Vibrant communities – People live, work and play in vibrant communities where their everyday



- needs are easily accessible
- Economic prosperity – Current and future residents benefit from the region’s sustained economic competitiveness and prosperity.
- Safe and reliable transportation – People have safe and reliable transportation choices that enhance the quality of their life.
- Clean air and water – Current and future generations enjoy clean air, clean water and healthy ecosystems
- Climate leadership – The region is a leader in minimizing contributions to global warming.

Metro's regional priorities not only meet the most critical planning needs identified within our region, but also closely match federal planning priorities, as well:

- The 2018 RTP update refined our outcomes-based policy framework that not only allows our decision makers that base regulatory and investment decisions on desired outcomes, but will also allow us to meet new federal requirements for performance base planning.
- The 2018 Regional Freight Strategy addresses rapidly changing port conditions in our region, including a gap in container cargo service, while also addressing FAST Act goals for implementing a national freight system.
- The 2018 Regional [Transportation](#) Safety Strategy responds to strong public demand for immediate action to improve multimodal safety on our major streets while also helping establish measures to help track safety to meet state and federal performance monitoring.
- The 2018 Regional Transit Strategy not only expands on our vision for a strong transit system to help shape growth in our region, but will also help ensure that we continue to meet state and federal clean air requirements.
- [The 2018 Emerging Technology Strategy identifies steps that Metro and its partners can take to harness new developments in transportation technology; and the increasing amount of data available to both travelers and planners - to support the regions goals.](#)
- [The 2014 Regional Active Transportation Plan makes it easier to walk and ride a bike and access transit to work, school, parks and other destinations by updating and strengthening pedestrian and bicycle policies in the Regional Transportation Plan.](#)
- [The 2010 Transportation System Management & Operations Strategy has guided agencies in making coordinated investments in Portland region’s transportation systems.](#)

A Climate Smart Strategy was adopted in December 2014, as required by the Oregon Metropolitan Greenhouse Gas Reduction Targets Rule, and is currently being implemented through the 2018 RTP. The Congestion Management Process (CMP) was adopted as part of 2018 RTP in December 2018. Many of the elements of the CMP are included as part of the Transportation System Management and Operations (TSMO) program, consisting of both the Regional Mobility and Regional Travel Options work programs. Metro staff revised the Regional Mobility Atlas as part of the 2018 RTP update.

Metro’s annual development of the UPWP and self-certification of compliance with federal transportation planning regulations are part of the core MPO function. The core MPO functions are contained within the MPO Management and Services section of the work program. Other MPO activities that fall under this work program are air quality compliance, quarterly reports for FHWA, FTA and other funding agencies, management of Metro’s advisory committees, management of grants, contracts and agreements and development of the Metro budget. Quadrennial certification review took place in ~~February 2017~~ [December 2020](#) and is covered under this work program.

## **GLOSSARY OF RESOURCE ~~FUNDING TYPES~~AND REQUIREMENT TERMS**

- PL – Federal FHWA transportation planning funds allocated to Metropolitan Planning Organizations (MPOs).
- STBG– Federal Surface Transportation ~~Block Grant (STBG)~~ Program. ~~transportation~~ Transportation funds allocated to urban areas with populations larger than 200,000. Part of Metro’s regional flexible fund allocation (RFFA) to Metro Planning, or to specific projects as noted.
- 5303 – Federal FTA transportation planning funds allocated to MPOs and transit agencies.
- FTA / FHWA / ODOT Discretionary Grants – ~~Regional Travel Option~~Discretionary grants from FTA, FHWA and ODOT.
- Metro Direct Contribution – Direct Metro support from Metro general fund or other sources.
- ~~Metro Required Match~~Match (Metro) – Local required match support from Metro general fund or other sources.
- ~~Local Partner~~ Support – Funding support from local agencies including ODOT and TriMet.
- Interfund Transfers – Covers indirect costs, based on rates that Metro and ODOT negotiate annually.

Placeholder for Metro Resolution ~~Adopting~~adopting 2021-2022 UPWP, page 1

## **Page 2 Resolution**



# Regional Transportation Planning





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# Transportation Planning

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**Staff Contact:** Tom Kloster (tom.kloster@oregonmetro.gov)

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## Description

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As the designated Metropolitan Planning Organization (MPO) for the Portland metropolitan region, Metro is responsible for meeting all federal planning requirements for MPOs. These include major mandates described elsewhere in this Unified Planning Work Program (UPWP), such as the Regional Transportation Plan (RTP) and Metropolitan Transportation Improvement Plan (MTIP) that follow this section. In addition to these major mandates, Metro also provides a series of ongoing transportation planning services that complement federal requirements and support other transportation planning in the region. ~~Our~~Core transportation planning activities include:

- Periodic amendments to the RTP
- Periodic updates to the regional growth forecast
- Periodic updates to the regional revenue forecasts
- Policy direction and support for regional corridor and investment area planning
- Ongoing transportation model updates and enhancements
- Policy support for regional mobility and Congestion Management Process (CMP) programs
- Compliance with federal performance measures

Metro also brings supplementary federal funds and regional funds to this program in order to provide general planning support to the following regional and state-oriented transportation planning efforts:

- Policy and technical planning support for the Metro Council
- Administration of Metro's regional framework and functional plans
- Ongoing compliance with Oregon's planning goals and greenhouse gas emission targets
- Policy and technical support for periodic Urban Growth Report updates
- Coordination with local government Transportation System Plan updates
- Engaging in the development of statewide transportation policy, planning and rulemaking
- Collaboration with Oregon's MPOs through the Oregon MPO Consortium (OMPOC)

In 2021-22, other major efforts within this program include representing the Metro region in statewide planning efforts such as Oregon Department of Land Conservation and Development's statewide rulemaking [for](#) the Oregon Transportation Planning Rule (TPR) and engaging in several ODOT planning and projects that are of both statewide and regional significance, such as I-5 Rose Quarter, I-5 Bridge Replacement study and I-5 Boone Bridge widening project.

In ~~2020-21~~[2021-22](#) a periodic update to the Regional Transportation Plan is also scheduled to begin, and is described in a separate narrative in the UPWP.

## Key Project Deliverables / Milestones

### Qtr 1

TPR and GHG  
Rulemaking

### Qtr 2

2023 RTP Update  
Scoping

### Qtr 3

2023 RTP Update  
Begins

### Qtr 4

Complete TPR &  
GHG Rulemaking

## FY 2021-22 Cost and Funding Sources

### Requirements:

Personnel Services \$ ~~553,268~~674,283  
Materials & Services \$ 42,500  
Interfund Transfer \$ ~~322,064~~393,137

### Resources:

PL \$ ~~800,548~~90,692  
PL Match (ODOT)~~5303~~ \$ ~~105,239~~101,944  
Metro Required \$ ~~12,045~~105,239  
Match~~5303~~ \$ 12,045  
5303 Match (Metro)

**TOTAL** \$ ~~1,109,920~~917,832

**TOTAL** \$ ~~917,832~~1,109,920

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# Climate Smart Implementation

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**Staff Contact:** Kim Ellis, kim.ellis@oregonmetro.gov

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## Description

The Climate Smart implementation program is an ongoing activity to monitor and report on the region's progress in achieving the policies and actions set forth in the adopted [2014 Climate Smart Strategy](#) and the Oregon [Metropolitan Greenhouse Gas Emissions Reduction Target Rule](#). The program also includes technical and policy support and collaboration with other regional and statewide climate initiatives to ensure MPO activities, including implementation of the [Regional Transportation Plan](#), support regional and state greenhouse gas (GHG) emissions reduction goals.

The program related work is typically presented and discussed with the Transportation Policy Alternatives Committee (TPAC). Other technical and policy committees, including the Metro Technical Advisory Committee (MTAC), the Joint Policy Advisory Committee on Transportation (JPACT) and the Metro Policy Advisory Committee (MPAC), and the Metro Council are consulted as appropriate or required.

Key FY 2020-21 deliverables and milestones included:

- Provided technical and policy support for Climate Smart implementation and monitoring at the local, regional and state level.
- Provided communications and legislative support to the Metro Council and agency leadership on issues specific to greenhouse gas emissions.

In FY 2020-21-22, program activities will include:

- Refinement of the modeling tools to measure greenhouse gases; coordination with ODOT's Climate Office on GHG modeling tools
- Participation in the technical committee that supports the Department of Land Conservation and Development's (DLCD's) Transportation Rulemaking that is focused on climate and equity; providing technical support to Metro's member of the rulemaking committee
- Identifying areas of the Climate Smart Strategy that need further progress and refinement prior to the 2023 RTP
- Support local efforts and project-based efforts to measure, analyze and achieve regional GHG goals

More information can be found at [www.oregonmetro.gov/climatesmart](http://www.oregonmetro.gov/climatesmart).

### Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Provide technical and policy support	Provide technical and policy support	Provide technical and policy support	Provide technical and policy support

### FY 2021-22 Cost and Funding Sources

#### Requirements:

Personnel Services	\$ 8,654
Interfund Transfer	\$ 4,915

#### Resources:

5303	\$ 12,175
<del>Metro Required Match</del> 5303 Match (Metro)	\$ 1,393

**TOTAL \$ 13,569**

**TOTAL \$ 13,569**

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## Regional Transportation Plan Update (2023)

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**Staff Contact:** Kim Ellis, [kim.ellis@oregonmetro.gov](mailto:kim.ellis@oregonmetro.gov)

### Description

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The [Regional Transportation Plan](#) (RTP) is a blueprint to guide local and regional planning and investments for all forms of travel – motor vehicle, transit, bicycle and walking – and the movement of goods and freight throughout the Portland metropolitan region. The RTP is maintained and updated regularly to ensure continued compliance with state and federal requirements and to address growth and changes in land use, demographics, financial, travel, technology and economic trends. The plan identifies current and future transportation needs and investments needed to meet those needs. The plan also identifies what funds the region expects to have available during a 20-year time horizon to build priority investments as well as maintain and operate the transportation system.

In addition to meeting federal requirements, the plan serves as the regional [Transportation System Plan](#) (TSP), consistent with Statewide Planning Goals, the [Oregon Transportation Planning Rule](#) (TPR), the [Metropolitan Greenhouse Gas Reduction Targets Rule](#) and the [Oregon Transportation Plan](#) and its modal and topical plans. The plan also addresses a broad range of regional planning objectives, including implementing the [2040 Growth Concept](#) – the regions’ adopted land use plan – and the [Climate Smart Strategy](#) – the regions’ adopted strategy for reducing greenhouse gas emissions from cars and small trucks.

Federal regulations require an update to the RTP every five years. The last update to the plan was adopted in December 2018. The next update is due for completion by December 6, 2023, when the current plan expires. The 2023 RTP update will continue to use an outcomes-driven, performance-based planning approach to advance RTP policy priorities for advancing equity, improving safety, mitigating climate change and managing congestion. The update also provides an opportunity to incorporate information and recommendations from relevant local, regional and state planning efforts and policy updates completed since 2018. The 2023 RTP update will continue into FY 2022-23.

More information can be found at [www.oregonmetro.gov/rtp](http://www.oregonmetro.gov/rtp)

Key FY 2020-21 deliverables and milestones included:

- Provide technical and policy support for 2018 RTP implementation at the local, regional and state level
- Initiate pre-scoping activities for the 2023 RTP update, including:
  - prepare regional data/models/tools and refine system evaluation measures and methods, as needed, to support evaluation process;
  - create inventory of information and recommendations from relevant local, regional and state planning efforts and policy updates completed since 2018 to inform development of the work plan and public engagement plan for the 2023 RTP update; and
  - begin update of financially constrained revenue forecast.

## Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Scoping process for 2023 RTP Update initiated	Work plan and engagement plan approved	2023 RTP Update initiated	Financial forecast finalized

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## FY 2021-22 Cost and Funding Sources

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### Requirements:

Personnel Services	\$ 381,091
Materials & Services	\$ 10,000
Interfund Transfer	\$ 214,605

### Resources:

PL	\$ <del>72,470</del> 65,028
<del>5303</del> PL Match (ODOT)	\$ <del>478,464</del> 7,443
<del>Metro Required</del>	\$ <del>54,762</del> 478,464
<del>Match</del> 5303	\$ <del>54,762</del>
5303 Match (Metro)	

**TOTAL \$ 605,696**

**TOTAL \$ 605,696**



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# Metropolitan Transportation Improvement Program (MTIP)

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**Staff Contact:** Ted Leybold, Ted.Leybold@oregonmetro.gov

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## Description

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The MTIP represents the first four-year program of projects from the approved long range Regional Transportation Plan (RTP) identified to receive funding for implementation. It ensures that program of projects meet federal program requirements and informs the region on the expected performance of the package of projects relative to adopted performance goals.

The following types of projects are included in the MTIP:

- Transportation projects awarded federal funding.
- Projects located in the State Highway System and awarded ODOT-administered funding.
- Transportation projects that are state or locally funded, but require any form of federal approvals to be implemented.
- Transportation projects that help the region meet its requirements to reduce vehicle emissions (documented as Transportation Control Measures in the State Implementation Plan for Air Quality).
- Transportation projects that are state or locally funded, but regionally significant (for informational and system performance analysis purposes).

A significant element of the MTIP is the programming of funds to transportation projects and program activities. Programming is the practice of budgeting available transportation revenues to the costs of transportation projects or programs by project phase (e.g. preliminary engineering, right-of-way acquisition, construction) in the fiscal year the project or program is anticipated to spend funds on those phases. The revenue forecasts, cost-estimates and project schedules needed for programming ensures the USDOT that federal funding sources will not be over-promised and can be spent in a timely manner. Programming also ensures that the package of projects identified for spending is realistic and that the performance analysis can reasonably rely on these new investments being implemented. To enhance the accuracy of programming of projects in the MTIP, Metro includes a fifth and sixth programming year, though the fifth and sixth years are informational only and programming in those years ~~are~~is not considered approved for purposes of contractually obligating funds to projects.

Through its major update, the MTIP verifies the region's compliance with air quality and other federal requirements, demonstrates fiscal constraint over the MTIP's first four-year period and informs the region on progress in implementation of the RTP. Between major MTIP updates, the MPO manages and amends the MTIP projects as needed to ensure project funding can be obligated based on the project's implementation schedule.

The MTIP program also administers the allocation of the urban Surface Transportation Block Grant (STBG)/Transportation Alternatives (TA) federal funding program and the Congestion Mitigation Air Quality (CMAQ) federal funding program. These federal funding programs are awarded to local projects and transportation programs through the Metro Regional Flexible Fund Allocation (RFFA) process. MTIP program staff work with local agencies to coordinate the implementation of projects selected to receive these funds. The process to select projects and programs for funding followed

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federal guidelines, including consideration of the Congestion Management Process. Projects were evaluated and rated relative to their performance in implementing the RTP investment priority outcomes of Safety, Equity, Climate, and Congestion to inform their prioritization for funding.

In the 2021-22 State Fiscal Year, the MTIP is expected to implement the following work program elements:

*Cooperative development of the 2024-27 MTIP.* Metro is actively working with federal transportation funding administrative agencies (ODOT, TriMet and SMART) and the region's transportation stakeholders on the cooperative development of the next TIP. This includes required TIP activities such as developing a funding forecast as well as ensuring funding allocation processes consider the needs and policy priorities of the metropolitan region as defined by the current Regional Transportation Plan.

*Adopt program objectives for regional flexible fund allocation, initiate call for projects.* The process for identifying objectives for the allocation of regional flexible funds is scheduled to be adopted this fiscal year. Upon adoption, Metro staff will initiate a call for candidate project applications. Those applications will be evaluated relative to their performance in implementing the program objectives in preparation for a funding allocation decision.

*Publish the Federal Fiscal Year (FFY) 2021 Obligation report.* All project obligations for federal fiscal year 2020 will be confirmed and documented in the annual obligation report. The obligation report is expected to be published in the second quarter of the fiscal year.

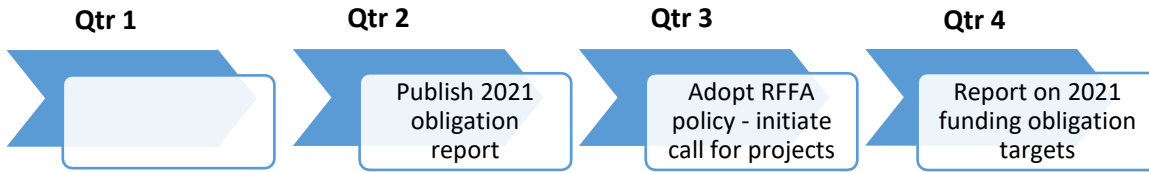
*Report on FFY 2021 Funding Obligation Targets, Adjust Programming.* Metro is monitoring and actively managing an obligation target for MPO allocated funds (STBG/TAP and CMAQ) each fiscal year. This is a cooperative effort with ODOT and the other Oregon TMA MPOs. If the region meets its obligation targets for the year, it will be eligible for additional funding from the Oregon portion of federal redistribution of transportation funds. If the region does not meet obligation targets for the year, it is subject to funds being re-allocated to other projects. MTIP staff will report on the region's performance in obligating funds in FFY 2021 relative to the schedule of project funds scheduled to obligate and work with ODOT to adjust revenue projections and project programming.

*Implement a new data management system.* As a part of a broad transportation project tracking system, MTIP staff will be working in cooperation with other MPOs in the state, ODOT and transit agencies to develop and implement a new data management system to improve MTIP administrative capabilities.

There are several MTIP work program elements that are on-going throughout the year without scheduled milestones. These include:

- Amendments to project programming for changes to the scope, schedule or cost of projects selected for funding or for updated revenue projections
- Administration of projects selected to be delivered under a fund-exchange of federal RFFA funding to local funding
- Coordination with ODOT, transit agencies, and local lead agencies for project delivery on MTIP administrative practices.

## Key Project Deliverables / Milestones



## FY 2020-21 Cost and Funding Sources

### Requirements:

Personnel Services	\$ 682,269
Materials & Services	\$ 89,000
Interfund Transfer	\$ 328,804

### Resources:

5303	\$ <u>224,246,364,130</u>
<u>STBG 5303 Match (Metro)</u>	\$ <u>645,200,41,676</u>
<u>Metro Required</u>	\$ <u>99,512,502,211</u>
<u>Match STBG</u>	
<u>Metro Direct STBG Match (Metro)</u>	\$ <u>131,115,57,480</u>
<u>Contribution Metro Direct Contribution</u>	\$ <u>134,576</u>

**TOTAL \$ 1,100,073**

**TOTAL \$ 1,100,073**

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## Air Quality Program

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**Staff Contact:** Grace Cho, [grace.cho@oregonmetro.gov](mailto:grace.cho@oregonmetro.gov)

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### Description

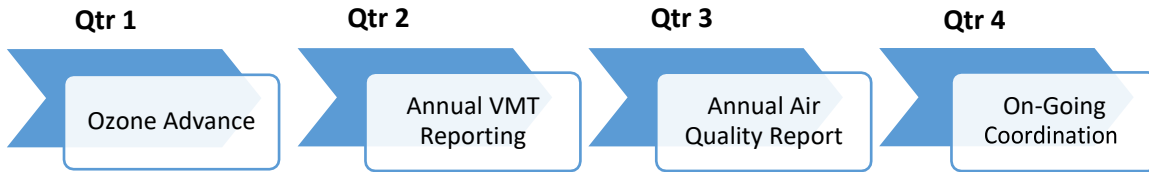
Metro's Air Quality Monitoring program ensures activities undertaken as part of the Metropolitan Planning Organization (MPO), such as the Regional Transportation Plan (RTP) and the Metropolitan Transportation Improvement Program (MTIP), carry out the commitments and rules set forth as part of the Portland Area State Implementation Plan (SIP) and state and federal regulations pertaining to air quality and air pollution. The implementation of the SIP is overseen by the Oregon Department of Environmental Quality (DEQ) and the Environmental Quality Commission (EQC). In addition, the program coordinates with other air quality initiatives in the Portland metropolitan area.

This is an ongoing program. Typical program activities include:

- In collaboration with DEQ, monitor and track regulated criteria and pollutants, particularly ozone, because of the region's history with ozone
- Stay up-to-date on regulations pertaining to the Clean Air Act and on technical tools and resources to assess emissions of air pollutants
- Monitor vehicle miles traveled (VMT) per capita and if key thresholds are triggered (as outlined in the SIP) then undertake the contingency provisions outlined in the SIP
- Facilitate interagency consultation with federal, state, regional, and local partners
- Implement the Transportation Control Measures as outlined, unless a specific date or completion point has been identified in the SIP
- Collaborate with DEQ as issues emerge related to federal air quality standards, mobile source pollution, and transportation
- Collaborate and coordinate with regional partners on other air quality, air pollution reduction related efforts, including the implementation of legislative mandates or voluntary initiatives
- Collaborate in ongoing DEQ and Metro efforts to refine air quality modeling tools and best practices for application to planning and projects

As part of Metro's on-going responsibilities to the State Implementation Plan (SIP), Metro continues to work closely with DEQ on monitoring the 2020 ozone national ambient air quality standard (NAAQS) update, the region's ozone pollution levels, and report on vehicle miles traveled. Additionally, Metro will participate in DEQ's Ozone Advance process starting towards the end of FY2020-2021 and throughout FY2021-2022 to develop and begin implementation of a number of regional strategies to proactively address increasing ozone pollution trends and work to keep the region in attainment status. Air quality monitoring and implementation activities are consistent 2018 RTP policy direction pertaining to reducing vehicle miles traveled to address congestion and climate change.

## Key Project Deliverables / Milestones



## FY 2021-21 Cost and Funding Sources

### Requirements:

Personnel Services	\$ 15,912
Interfund Transfer	\$ 9,936

### Resources:

5303	\$ 23,193
<del>Metro Required</del>	\$ 2,655

~~Match~~ 5303 Match (Metro)

**TOTAL \$ 25,848**

**TOTAL \$ 25,848**

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## Regional Transit Program

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**Staff Contact:** Eliot Rose, [eliot.rose@oregonmetro.gov](mailto:eliot.rose@oregonmetro.gov)

### Description

Providing high quality transit service across the region is a defining element of the 2040 Growth Concept, the long-range blueprint for shaping growth in our region. Expanding quality transit in our region is also key to achieving transportation equity, maintaining compliance with state and federal air quality standards and meeting greenhouse gas (GHG) reduction targets set by the State of Oregon. In 2018 Metro adopted a comprehensive Regional Transit Strategy to help guide investment decisions to ensure that we deliver the transit service needed to achieve these outcomes.

Because of rapid growth and rising congestion in our region, significant and coordinated investment is needed to simply maintain the current level of transit service. Increasing the level of transit service and access will require dedicated funding, policies, and coordination from all jurisdictions. The Regional Transit Strategy provides the roadmap for making these investments over time, and the Regional Transit program focuses on implementing the strategy in collaboration with our transit providers and local government partners in the region. An integral part of implementing the Regional Transit Strategy is to support the pursuit of transit funding for the region.

This work includes ongoing coordination with transit providers, cities and counties to ensure implementation of the Regional Transit Strategy through plans and capital projects, periodic support for major transit planning activities in the region and coordination with state transit planning officials. In FY 2020-21-22, highlights will supporting several transit service planning efforts, consistent with Chapter 8 of the Regional Transit Strategy.

### Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Transit Planning Support (ongoing)	Transit Planning Support (ongoing)	Transit Planning Support (ongoing)	Transit Planning Support (ongoing)

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### FY 2021-22 Cost and Funding Sources

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Requirements:		Resources:	
Personnel Services	\$ 33,239	5303	\$ 48,700
Interfund Transfer	\$ 21,036	<del>Metro Required Match</del> 5303 Match (Metro)	\$ 5,574
TOTAL \$ 54,274		TOTAL \$ 54,274	

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# Regional Mobility Policy Update

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**Staff Contact:** Kim Ellis, kim.ellis@oregonmetro.gov

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## Description

Metro and the Oregon Department of Transportation (ODOT) are working together to update the Regional Mobility Policy which defines and measures mobility for people and goods traveling in and through the Portland area. The update is focused on how mobility is defined and measured in the [Oregon Highway Plan](#) (OHP), Regional Transportation Plan (RTP), local transportation system plans (TSPs) and during the local comprehensive plan amendment process. The region's current mobility policy relies on a vehicle-based measure and thresholds adopted in the [2018 Regional Transportation Plan](#) and Policy 1F (Highway Mobility Policy) of the OHP. The update aims to better align the policy with the comprehensive set of shared regional values, goals and priorities identified in the RTP and [2040 Growth Concept](#), as well as with state and local goals and priorities. The revised mobility policy and measures for the Portland region will support adopted regional and local land use plans and regional and state priorities for equity, safety, climate and congestion.

The process to update the Regional Mobility Policy began in 2019 and will continue through fall 2021. The process will result in policy recommendations to the Joint Policy Advisory Committee on Transportation (JPACT), the Metro Council and the Oregon Transportation Commission (OTC). Pending approval by JPACT and the Metro Council, and concurrence from the OTC, the updated policy for the Portland region will be applied and incorporated in the next update to the RTP. The RTP update is planned to occur from Jan. 2022 to Dec. 2023. The OTC will be asked to consider adoption of the updated mobility policy for the Portland region, including amending Table 7 in Policy 1F in the OHP.

The recommended policy may be refined as it is applied and incorporated in the 2023 RTP and as the policy is considered by the OTC in the context of concurrent statewide updates to the Oregon Transportation Plan (OTP) and the OHP. The OTC will conduct its own statewide stakeholder engagement process to inform those plan updates. This project provides an opportunity for coordination and for the region to help inform those efforts.

Key FY 2020-21 deliverables and milestones included:

- **Notice to Proceed:** The consultant team received the notice to proceed on July 15, 2020.
- **Project communications and engagement:** Metro maintained a project web page to share project information, including fact sheets, videos, technical reports, engagement reports and other key deliverables. Policymakers, practitioners and other stakeholders identified in the [project engagement plan](#) were provided opportunities to discuss findings from the research and provide input on:
  - what elements (desired outcomes) should be included in the updated urban mobility policy for the Portland region;
  - what evaluation criteria should be used to screen and evaluate potential measures;
  - what measures should be tested at the transportation system plan and plan amendment levels through case studies; and
  - case study analysis findings and recommendations for an updated urban mobility policy and action plan to implement the policy in the Portland region.

- **Research Documenting Examples of Current Approaches in the Portland Region.** The project team worked with individual cities and counties and county coordinating committees' technical advisory committees (TACs) to illustrate how the current mobility policy and v/c ratio measure have been applied in the Portland region. Examples covered a range of land use and transportation contexts, including state and regional transportation facilities (e.g., throughways<sup>1</sup> and state- and locally-owned arterials, including state and regional freight routes and enhanced transit corridors), industrial areas and intermodal facilities, mixed-use centers and corridors, and employment areas.
- **Research to Inform Potential Mobility Policy Elements and Related Mobility Performance Measures.** The project team reviewed existing state and regional policy documents and past stakeholder input from the 2018 Regional Transportation Plan update, development of the Get Moving 2020 funding measure and the [Scoping Engagement Process](#) for this effort. The research and subsequent stakeholder input were used to identify and select potential policy elements and measures to test through case studies.
- **Case Study Analysis and Findings:** The project team tested potential mobility policy elements and related mobility performance measures through transportation system plan and plan amendment case studies. The project team reported findings from the case study analysis and engaged policymakers, practitioners and other stakeholders in discussions that resulted in developing a draft urban mobility policy (and associated measures) for the Portland region and action plan to implement the policy.

More information can be found at [www.oregonmetro.gov/mobility](http://www.oregonmetro.gov/mobility).

#### Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
<u>Draft Mobility Policy and Action Plan</u>	Recommended Mobility Policy and Action Plan	Recommendations Forwarded To 2023 RTP and OTC	

#### FY 2021-22 Cost and Funding Sources

<b>Requirements:</b>		<b>Resources:</b>	
Personnel Services	\$ 190,163	5303	\$ 275,272
Materials & Services	\$ 7,031	<del>Metro-Required-Match</del> 5303 Match (Metro)	\$ 31,506
Interfund Transfer	\$ 109,584		
<b>TOTAL</b>	<b>\$ 306,778</b>	<b>TOTAL</b>	<b>\$ 306,778</b>

<sup>1</sup> Throughways are designated in the 2018 RTP Street Design System and generally correspond to Expressways designated in the OHP.



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# Regional Freight Program

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**Staff Contact:** Tim Collins, [tim.collins@oregonmetro.gov](mailto:tim.collins@oregonmetro.gov)

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## General Freight Program Description

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The Regional Freight Program manages updates to and implementation of multimodal freight elements in the Regional Transportation Plan (RTP) and supporting Regional Freight Strategy. The program provides guidance to jurisdictions in planning for freight movement on the regional transportation system. The program supports coordination with local, regional, state, and federal plans to ensure consistency in approach to freight-related needs and issues across the region. Ongoing freight data collection, analysis, education, and stakeholder coordination are also key elements of Metro's freight planning program.

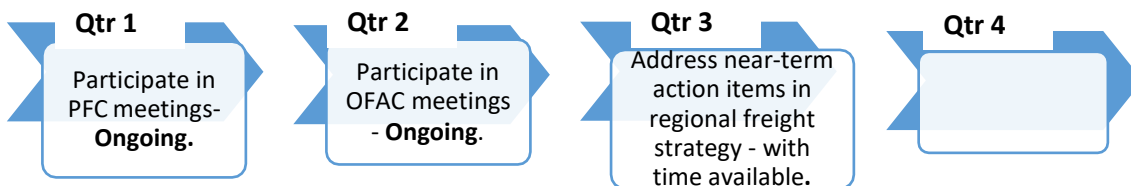
Metro's freight planning program also coordinates with the updates for the Oregon Freight Plan. Metro's coordination activities include ongoing participation in the Oregon Freight Advisory Committee (OFAC), and Portland Freight Committee (PFC). The program ensures that prioritized freight projects are competitively considered within federal, state, and regional funding programs. The program is closely coordinated with other region-wide planning activities. The Regional Freight Strategy has policies and action items that are related to regional safety, clean air and climate change, and congestion; which address the policy guidance in the 2018 RTP.

Work completed in FY 2020-21:

- Developed a draft work plan that outlines which near-term action items within the regional freight action plan (Chapter 8 - Regional Freight Strategy) will be addressed in FY 2021-22.
- Completed reviews and ongoing work to adjust the Regional Freight Model to be better calibrated and reflect new information on the movement of commodities.
- Developed a final scope of work and RFP for the Regional Freight Delay and Commodities Movement Study and selected a consultant for the project.

## Key Project Deliverables / Milestones

Throughout the 2021-22 FY, near-term action items within the regional freight action plan will be addressed. The following project deliverables and milestone are either ongoing or will be addressed as time becomes available:



## Regional Freight Delay and Commodities Movement Description

In October 2017, the Regional Freight Work Group (RFGW) discussed the need for future freight studies that should be called out in the 2018 Regional Freight Strategy. The RFGW recommended that the Regional Freight Delay and Commodities Movement Study should be included as a future freight study.

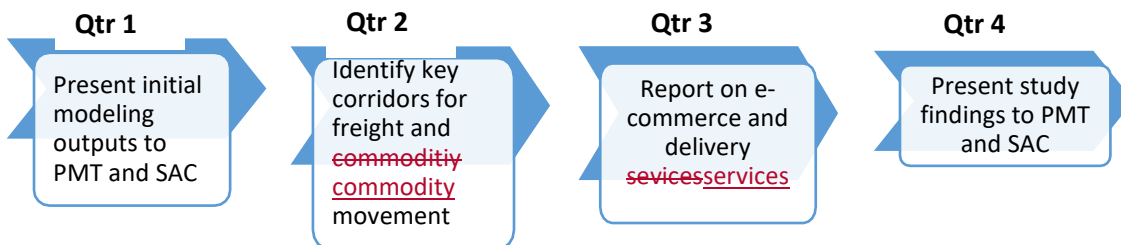
The purpose of the Regional Freight Delay and Commodities Movement Study will be to evaluate the level and value of commodity movement on the regional freight network within each of the mobility corridors identified in the Regional Transportation Plan's Mobility Corridor Atlas. The study will use Metro's new freight model to summarize the general types of commodities, the tonnage of the commodities and the value of the commodities that are using these freight facilities within each of the mobility corridors. The study will also evaluate the need for improved access and mobility to and from regional industrial lands and intermodal facilities.

The study will evaluate how the COVID-19 economic impacts have affected freight truck travel within the Portland region compared to the overall vehicle travel in the region, and the rapid growth in e-commerce and other delivery services during the pandemic, which has greatly accelerated a trend that was already reshaping the freight industry.

### Work to be completed in Fiscal Year ~~2020-2021~~ 2022

- Finalize the Request For Proposal (RFP) for the Regional Freight Delay and Commodities Movement Study.
- Select a contractor/consultant team to work on the Regional Freight Delay and Commodities Movement Study.
- Select, establish and support the participants in the Stakeholder Advisory Committee (SAC).
- Establish a project management team with partner agencies to manage to Regional Freight Delay and Commodities Study.
- Develop a policy framework for the Regional Freight Strategy.

### Key Project Deliverables / Milestones



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**General Freight Program Budget**  
**FY 2021-22 Cost and Funding Sources**

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**Requirements:**

Personnel Services      \$ 101,474  
Interfund Transfer      \$ 57,872

**Resources:**

~~5303~~STBG      \$ 142,980  
~~Metro Required~~  
~~Match~~STBG Match (Metro)      \$ 16,366

**TOTAL    \$ 159,346**

**TOTAL    \$ 159,346**

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**Regional Freight Delay and Commodities Movement Study Budget**

**FY 2021-22 Cost and Funding Sources**

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**Requirements:**

Materials & Services      \$ 222,891

**Resources:**

STBG      \$ 200,000  
~~Metro Required~~  
~~Match~~STBG Match (Metro)      \$ 22,891

**TOTAL    \$ 222,891**

**TOTAL    \$ 222,891**

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## Complete Streets Program

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**Staff Contact:** Lake McTighe, lake.mctighe@oregonmetro.gov

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### Description

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Metro's Complete Streets program includes activities related to street design, safety and active transportation. Program activities include sharing best practices and resources, providing technical assistance, developing policies and plans, and monitoring progress towards goals and targets.

Program activities support implementation of regional goals included in the 2040 Growth Concept, the Climate Smart Strategy, the 2018 Regional Transportation Plan (RTP), the 2014 Regional Active Transportation Plan (ATP), and the 2018 Regional Transportation Safety Strategy (RTSS). Program activities are also related to local, regional, state and national programs, plans and policies, including the Regional Safe Routes to School Program, Metro's Planning and Development Departmental Strategy for Achieving Racial Equity, ODOT's Blueprint for Urban Design, transit, city and county design guidelines, and local, state and national safety plans and targets.

FY 2020-21, street design related activities included:

- scoping the work plan for developing new complete streets and green infrastructure policies for the update of the RTP in 2023
- providing internal and external street and trail design technical assistance on transportation projects and plans using the new regional Designing Livable Streets and Trails Guide
- hosting a workshop to share best practices and data to support natural resources in transportation planning and project development.
- collaborating with Portland State University to complete a Return on Investment (ROI) analysis for active transportation in the region to provide research to support policy discussion for the Regional Flexible Funding Allocations; and
- scoping updates to the data and policies related to walking, bicycling and accessing transit in the 2023 RTP update.

In FY 2021-22, the program will deliver:

- focus on continued implementation through technical and policy support
  - training and workshops on street design and safety
  - technical support on MPO-funded projects and programs
  - safety reporting and development of street design and safety elements of an update to the Regional Transportation Plan scheduled to begin in late 2021.
-

## 2021-22 Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Updated safety data Pre-scoping for program changes in RTP update	Updated safety analysis & tools Complete streets elements scoped for RTP update <del>work plan</del> <u>work plan</u>	Report on safety <del>performance</del> <u>performance</u> measures Complete streets/safety workshop	Incorporate ROI findings into RTP Develop complete streets policies Update safety and AT policies

## FY 2021-22 Cost and Funding Sources

Requirements:		Resources:	
Personnel Services	\$ 60,038	5303	\$ 86,213
Materials & Services	\$ 2,000	<del>Metro Required</del>	\$ 9,867
		<u>Match 5303 Match (Metro)</u>	
Interfund Transfer	\$ 34,043		
<b>TOTAL</b>	<b>\$ 96,081</b>	<b>TOTAL</b>	<b>\$ 96,081</b>

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## Regional Travel Options (RTO) and Safe Routes to School Program

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**Staff Contact:** Dan Kaempff, [daniel.kaempff@oregonmetro.gov](mailto:daniel.kaempff@oregonmetro.gov)

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### Description

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The Regional Travel Options (RTO) Program implements Regional Transportation Plan (RTP) policies and the Regional Travel Options Strategy to reduce drive-alone auto trips and personal vehicle miles of travel and to increase use of travel options. The program improves mobility and reduces greenhouse gas emissions and air pollution by carrying out the travel demand management components of the RTP. The program maximizes investments in the transportation system and eases traffic congestion by managing travel demand, particularly during peak commute hours. Specific RTO strategies include promoting transit, shared trips, bicycling, walking, telecommuting and the Regional Safe Routes to School (SRTS) Program. The program is closely coordinated with other regional transportation programs and region-wide planning activities. Approximately two-thirds of the RTO funding is awarded through grants to the region's government and non-profit partners working to reduce auto trips.

RTO is an ongoing program for over the past two decades. It is the demand management element of the region's Congestion Management Process (CMP) and the Transportation System Management and Operations (TSMO) strategy. Since 2003, the program has been coordinated and guided by a strategic plan, and an independent evaluation occurs after the end of each grant cycle to measure and improve performance. In 2018, the RTO Strategy was updated to better align the program with the updated goals, objectives and performance targets of the 2018 RTP, and to create goals and objectives for the SRTS program. The updated RTO Strategy focuses on equity, safety, addressing climate change and congestion as key policy foci of the program.

Creating a Regional Safe Routes to School (SRTS) program was an additional focus area of the 2018 RTO Strategy. In 2019, seven SRTS grants were awarded to local jurisdictions, school districts, and community based organizations to deliver walking and rolling education and encouragement programs for kids and youth. Metro's SRTS Coordinator also facilitates a regional SRTS practitioner group to support program implementation strategies with a focus on serving students at Title I schools (schools with over 40% of students on free or reduced lunch).

During FY 2021-22, staff will continue to manage existing grants which will expire by the end of FY 2022. Work will also be done to develop and implement a selection process for the 2022-25 grant program. The 2022-25 grant program will be updated to ensure the grants are advancing regional goals for equity, climate, congestion and safety. This will be done using data and lessons learned from the program evaluation as well as other sources of data and community input.

## Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Ongoing grant management			Solicit 22-25 grant applications
Prepare 22-25 grant program			

## FY 2020-21-2022 Cost and Funding Sources

Requirements:		Resources:	
Personnel Services	\$ 676,146	<del>FTA / FHWA / ODOT</del> <a href="#">FTA Grant</a>	\$ <del>3,656,869</del> <a href="#">458,394</a>
Materials & Services	\$ 2,772,900	<del>Metro Required-Match</del> <a href="#">FTA Grant Match (Metro)</a>	\$ <del>195,359</del> <a href="#">172,642</a>
Interfund Transfer	\$ 403,182	<a href="#">ODOT/FHWA Grant</a>	\$ <a href="#">198,475</a>
		<a href="#">ODOT/FHWA Grant Match (Metro)</a>	\$ <a href="#">22,716</a>
TOTAL \$ 3,852,228		TOTAL \$ 3,852,228	

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# Transportation System Management and Operations – Regional Mobility Program

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**Staff Contact:** Caleb Winter, [caleb.winter@oregonmetro.gov](mailto:caleb.winter@oregonmetro.gov)

## Description

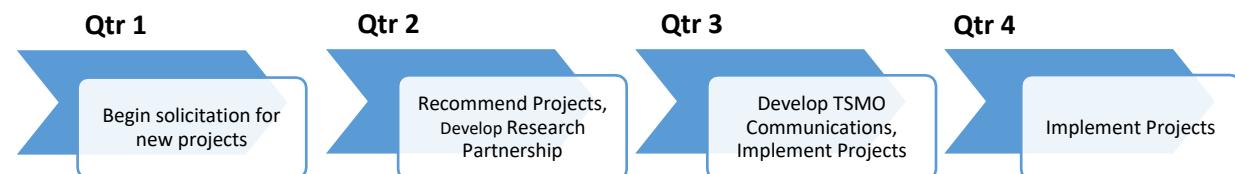
The Regional Transportation System Management and Operations Regional Mobility (TSMO) Program provides a demand and system management response to issues of congestion, reliability, safety and more. The program works to optimize infrastructure investments, promote travel options in real-time, reduce greenhouse gas emissions and increase safety. The TSMO Program incorporates racial equity policy throughout its work. The TSMO Program involves local and state agencies in developing increasingly sophisticated ways to operate the transportation system. Operators include ODOT, TriMet, Clackamas County, Multnomah County, Washington County, City of Portland and City of Gresham along with many other city partners, Port of Portland, Portland State University and Southwest Washington State partners.

The TSMO Program engages operators through TransPort, the Subcommittee of Transportation Policy Alternatives Committee (TPAC) and a broad range of stakeholders through planning and partnerships, particularly when updating the TSMO Strategy. The region's 2010-2020 TSMO Plan will be updated by the 2021 TSMO Strategy (separate UPWP entry). The TSMO Program and TransPort will begin carrying out the recommended actions of the TSMO Strategy update. TSMO includes Intelligent Transportation Systems (ITS) as well as [connections in coordination](#) with the Regional Travel Options Strategy.

The program includes key components of Metro's system monitoring, performance measurement and Congestion Management Process (CMP). Most of the required CMP activities are related to performance measurement and monitoring.

In FY 2021-22, the program will continue convening TransPort and will begin implementing the 2021 TSMO Strategy, soliciting projects and increasing levels of planning support, research partnerships and communications. The TSMO Program is ongoing and more information can be found at [www.oregonmetro.gov/tsmo](http://www.oregonmetro.gov/tsmo).

## Key Project Deliverables / Milestones





**FY 2021-22 Cost and Funding Sources**

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**Requirements:**

Personnel Services      \$ 153,875

Materials &amp; Services      \$ 3,500

Interfund Transfer      \$ 89,267

**TOTAL    \$ 246,642****Resources:**

STBG      \$ 221,312

~~\_\_\_\_\_ Metro Required~~  
~~Match~~ STBG Match (Metro)      \$ 25,330**TOTAL    \$ 246,642**

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# Transportation System Management and Operations – 2021 TSMO Strategy Update

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**Staff Contact:** Caleb Winter, [caleb.winter@oregonmetro.gov](mailto:caleb.winter@oregonmetro.gov)

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## Description

The 2021 TSMO Strategy encompasses regional planning work that will provide an update to the current strategy. The current strategy is titled 2010-2020 TSMO Plan. The update continues from FY2020-21 and is primarily focused on 2018 RTP Goal 4, Reliability and Efficiency, utilizing demand and system management strategies consistent with safety, racial equity and climate policies. Previous work on this Strategy includes a racial equity assessment, developing a participation plan and beginning work with a consultant including stakeholder outreach. Partner work regionally on the Central Traffic Signal System, Connected Vehicle traveler information and Next Generation Transit Signal Priority factor into the strategy. Integrated Corridor Management (ICM) will also inform the corridor actions in the 2021 TSMO Strategy (for example, I-84 Multimodal ICM and Clackamas Connections ICM).

[The TSMO Program engages operators through TransPort, the Subcommittee of Transportation Policy Alternatives Committee \(TPAC\) and a broad range of stakeholders through planning and partnerships.](#)

The 2021 TSMO Strategy will be a recommendation from TransPort to the Transportation Policy Alternatives Committee (TPAC) and ultimately considered for regional adoption by Metro Council. The Strategy will provide direction for the TSMO Program, giving a renewed focus on investment priorities. Stakeholders include the operators and supportive institutions in the region: ODOT, TriMet, Clackamas County, Multnomah County, Washington County, City of Portland and City of Gresham along with many other city partners, Port of Portland, Portland State University and Southwest Washington State partners. Components of TSMO connect to the Regional Travel Options Strategy and Emerging Technology Strategy.

The 2021 TSMO Strategy will formalize new concepts among regional TSMO partners including connected and automated vehicles, shared-use mobility, integrated corridor management, decision support systems and more advances in Intelligent Transportation Systems (ITS). The TSMO Program is ongoing and more information can be found at [www.oregonmetro.gov/tsmo](http://www.oregonmetro.gov/tsmo).

## Key Project Deliverables / Milestones

### Qtr 1

Draft 2020 TSMO Strategy

### Qtr 2

Finalize 2020 TSMO Strategy; consider for adoption

### Qtr 3

Coordinate implementation, investments and operator agreements

### Qtr 4

Coordinate implementation, investments and operator agreements

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## FY 2021-22 Cost and Funding Sources

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Note: Included in the program: (TSMO) Regional Mobility Program

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## Enhanced Transit Concepts Pilot Program

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**Staff Contact:** Matt Bihn, matt.bihn@oregonmetro.gov

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### Description

The Enhanced Transit Concepts (ETC) program identifies transit priority and access treatments to improve the speed, reliability, and capacity of TriMet frequent service bus lines or streetcar lines. The program supports the Climate Smart Strategy, adopted by the Joint Policy Advisory Committee on Transportation (JPACT) and the Metro Council in 2014, by helping the region progress toward its sustainability and carbon emissions goals through transit investments.

ETC treatments are relatively low-cost to construct, context-sensitive, and are able to be implemented quickly to improve transit service in congested corridors. The program develops partnerships with local jurisdictions and transit agencies to design and implement ETC capital and operational investments.

In FY 2020-2021, the program, in partnership with TriMet and local partners, initiated designs and implementation for several ETC candidate locations. The ETC program identified locations region-wide for ETC pilots after a series of workshops and engagement of TPAC and JPACT. The City of Portland project were the first to be implemented: projects on NW Everett Street, SW Madison Street, NW Cornell Road at NW 185<sup>th</sup> Avenue, the Burnside Bridge, NE/SE Martin Luther King Boulevard, and NE/SE Grand Avenue were completed. Several of these projects include the application of red paint—the region’s first such treatment after the Federal Highways Administration (FHWA) approved the Portland Bureau of Transportation (PBOT) request to experiment with red-colored pavement to indicate transit-only lanes. Several more projects are in early phases of planning and design in coordination with jurisdictional partners.

ETC program and design work will continue in FY 2021-22. In FY 2021-22 the ETC program will accomplish:

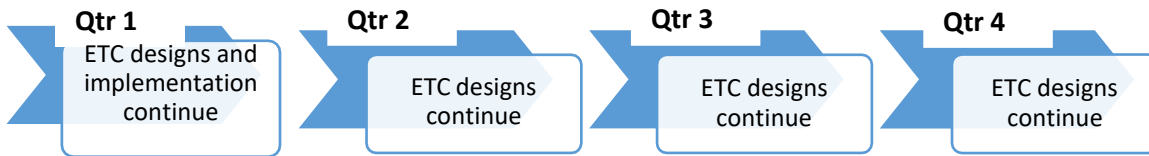
Milestones/deliverables for this reporting period (July 2020 – December 2020):

- Designs for Burnside Bridge/ East Burnside submitted to PBOT for review
- Designs for SE Hawthorne/SE Madison submitted to PBOT for review, comments being addressed
- Completed designs for MLK/Grand
- Completed designs in support of Get Moving 2020
- Implementation of Red Paint projects to indicate bus/streetcar only lanes in several locations, including MLK/Grand Boulevards

Milestones/deliverables for the next reporting period (January 2021 – June 2021):

- Initiate design for transit improvements along NE Couch Street between Sandy Boulevard and NE MLK Boulevard to benefit bus Lines 12, 19, and 20. Advance design to at least 15%.
- Initiate design for transit improvements along SW Alder Street from SW 19th and Burnside to the Morrison Bridge to accommodate the future routing of Lines 15 and 51. Advance design to at least 15%
- Implementation by PBOT of Hawthorne and E Burnside projects

### Key Project Deliverables / Milestones



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### FY 2020-21 21-22 Cost and Funding Sources

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**Requirements:**

Personnel Services      \$ 90,759

Materials & Services      \$ 25,000

**TOTAL    \$ 115,759**

**Resources:**

Metro Direct                      \$ 115,759  
Contribution

**TOTAL    \$ 115,759**

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## Economic Value Atlas (EVA) Implementation

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**Staff Contact:** Jeff Raker, [jeffrey.raker@oregonmetro.gov](mailto:jeffrey.raker@oregonmetro.gov)

### Description

Metro's Economic Value Atlas (EVA) establishes tools and analysis that align planning, infrastructure, and economic development to build agreement on investments to strengthen our economy. The EVA entered an implementation phase in FY 2019-20 that included test applications among partner organizations and jurisdictions, refinements to the tool, and integration into agency-wide activities. This is an ongoing program. In FY 2019-20, the EVA tool provided new mapping and discoveries about our regional economic landscape, linked investments to local and regional economic conditions and outcomes and was actively used to inform policy and investment – it provides a foundation for decision-makers to understand the impacts of investment choices to support growing industries and create access to family-wage jobs and opportunities for all. In FY 2020-21, there were final tool refinements and the data platform was actively used to help visualize equitable development conditions in SW Corridor and the region, aligned with agency-wide data and planning projects, including the Columbia Connects and Planning for Our Future Economy projects.

In FY 2020-21, Metro participates in a group of peer regions organized by The Brookings Institution for other regions to benefit from the EVA as a model for their applications and to share best practices. The EVA has informed the conditions assessment of the Comprehensive Economic Development Strategy, is being used similarly to support the Columbia Connects project, and is being integrated into the Comprehensive Recovery Data dashboard under development by Metro's Data Research Center. Updates to the EVA will reflect both the recently updated Greater Portland Economic Recovery Plan and Comprehensive Economic Development Strategy. Additional data updates or development needs will be implemented and the tool will support policy decisions on an ongoing basis.

### Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
CEDS, Recovery Plan, + Columbia Connects Applications	Data Portraits + Sharing Best Practices With Peer	Additional Data Updates + Development Sprints	Additional Data Development Sprints

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### FY 2021-22 Cost and Funding Sources

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Requirements:		Resources:	
Personnel Services	\$ 199,222	Metro Direct Contribution	\$ 287,222
Materials & Services	\$ 88,000		
<b>TOTAL</b>	<b>\$ 287,222</b>	<b>TOTAL</b>	<b>\$ 287,222</b>

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# Regional Corridor/Area Planning





# Corridor Refinement and Project Development (Investment Areas)

**Staff Contact:** Malu Wilkinson, malu.wilkinson@oregonmetro.gov

## Description

Metro's Investment Areas program works with partners to develop shared investment strategies that help communities build their downtowns, main streets and corridors and that leverage public and private investments that implement the region's 2040 Growth Concept. Projects include supporting compact, Transit Oriented Development (TOD) in the region's mixed use areas, conducting multijurisdictional planning processes to evaluate high capacity transit and other transportation improvements, and integrating freight and active transportation projects into multimodal corridors.

The Investment Areas program completes system planning and develops multimodal projects in major transportation corridors identified in the Regional Transportation Plan (RTP) as well as developing shared investment strategies to align local, regional and state investments in economic investment areas that support the region's growth economy. It includes ongoing involvement in local and regional transit and roadway project conception, funding, and design. Metro provides assistance to local jurisdictions for the development of specific projects as well as corridor-based programs identified in the RTP. Metro works to develop formal funding agreements with partners in an Investment Area, leveraging regional and local funds to get the most return. This program coordinates with local and state planning efforts to ensure consistency with regional projects, plans, and policies.

In FY 2020-21, Investment Areas staff have supported partner work on TV Highway, Enhanced Transit Concepts, the McLoughlin Corridor, Columbia Connects, additional support for the Southwest Corridor Light Rail Project and the Equitable Development Strategy, Max Redline Enhancements, the Max Tunnel Study, Highway 26/Westside Transportation Alternatives, mobility and transit capacity improvements across the region.

This is an ongoing program, staff will further refine the projects listed above as well as potentially identifying additional projects to further the goals identified for mobility corridors in our region.

## Key Project Deliverables / Milestones

	Qtr 1	Qtr 2	Qtr 3	Qtr 4
Investment Areas Project Development				
<b>FY 2021-22 Cost and Funding Sources</b>				
<b>Requirements:</b>			<b>Resources:</b>	
Personnel Services		\$ 323,230	STBG	\$ 12,175
Materials & Services		\$ 12,500	Metro Direct Contribution	\$ 327,420
			STBG Match (Metro)	\$ 1,393
Interfund Transfer		\$ 5,258	Metro Required Match	\$ 327,420

Contribution

**TOTAL      340,988**

**TOTAL    \$   340,988**

# Southwest Corridor Transit Project

**Staff Contact:** Brian Harper, [brian.harper@oregonmetro.gov](mailto:brian.harper@oregonmetro.gov)

## Description

The Southwest Corridor Transit Project extends the MAX light rail system to connect downtown Portland with southwest Portland, Tigard and Tualatin. The project is 11 miles long and includes 13 stations, new connections to regional destinations, and major enhancements to public roadway, sidewalk, bike, ~~transit~~and ~~transit~~ and ~~stormwater~~~~storm water~~ infrastructure. Program activities include environmental review, collaborative project design, coordination on land use planning, and development of an equitable development strategy to protect and enhance housing options and jobs for all households.

The project supports local land use plans and zoning and is a key element of fulfilling the region's goals set forth in the 2040 Growth Concept by allowing for compact development in regional town centers. The project advances 2018 RTP policy direction on vibrant communities, shared prosperity, transportation choices, healthy people and climate leadership. It provides near-term progress on travel options and congestion, and is a developing model for incorporating equitable outcomes into transportation projects.

In FY 2020-21, the project released a final draft conceptual design report and completed a Final Environmental Impact Statement, and acquired a Record of Decision from the Federal Transit Administration. The project paused further engineering and funding efforts.

This is an ongoing program. In future years the project will work to continue equitable development strategy work focused on business and workforce support and stabilization.

## Key Project Deliverables / Milestones

**Qtr 1**

**Qtr 2**

**Qtr 3**

**Qtr 4**

Business &  
Workforce  
survey, analysis

Bus & Wkforce  
stabilization  
targets

## FY 2021-~~21-22~~ Cost and Funding Sources

### Requirements:

Personnel Services	\$ 99,082
Materials & Services	\$ 262,500
Interfund Transfer	\$ 35,113

**TOTAL 396,695**

### Resources:

FTA <del>/FHWA/</del> <del>ODOT</del> Grant	\$ 343,048
Metro Required- MatchFTA Grant Match (Metro)	\$ 39,263
Local Partner- SupportTriMet Grant	\$ 14,384

**TOTAL \$ 396,695**

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# Columbia Connects

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**Staff Contact:** Jeff Raker, [jeffrey.raker@oregonmetro.gov](mailto:jeffrey.raker@oregonmetro.gov)

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## Description

Columbia Connects is a regional collaboration between Oregon and Washington planning partners working together to unlock the potential for equitable development and programs that are made more difficult by infrastructure barriers, and state and jurisdictional separation.

Columbia Connects' purpose is to improve the economic and community development of a sub-district of the region near the Columbia River, by developing a clear understanding of the economic and community interactions and conditions within this sub-district; the shared economic and community values of the region; the desired outcomes; and by creating strategies, projects, and programs, as well as an action plan to achieve these outcomes.

In FY 2020-21 the Columbia Connects project:

- Created a multi-jurisdictional Project Management Group to identify shared values, goals, and potential partnerships. (Metro and the Regional Transportation Council of Southwest Washington are leading this effort.)
- Conducted an inventory of bi-state strategies and economic studies
- Hired a consultant
- Applied Economic Value Atlas tools

The Columbia Connects project is consistent with the Regional Transportation Plan (RTP) 2018 goals and Metro's 2040 Vision which supports a healthy economy that generates jobs and business opportunities, safe and stable neighborhoods, improved transportation connections for equity, efficient use of land and resources for smart growth and development, and opportunities for disadvantaged groups. The project is separate and complementary to the I-5 Bridge Replacement Project. The Columbia Connects work will identify projects and programs that will strengthen bi-state connections and institutional partnerships with or without a bridge and high capacity transit project.

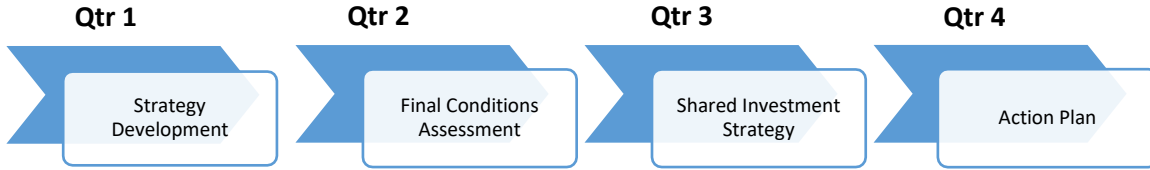
## Key Project Deliverables / Milestones

Key projects deliverables and outcomes may include:

- a defined a shared set of desired economic outcomes
- defined values and goals for the area
- defined infrastructure and service needs
- identification of tools, projects, and programs and investments to help realize outcomes
- a strategy and action plan to implement policy commitments, projects, and programs to realize the community's vision for the bi-state region

Columbia Connects will develop a shared strategy to outline specific opportunities for investment based on feasibility, effectiveness, equity, and project champions. Projects and programs will include test approaches and pilot projects. Based on the strategy and coordination with partners, the partners will develop an Action Plan with partner agreements and commitments for implementation and ongoing coordination on resource acquisition.

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**FY 2021-22 Cost and Funding Sources**

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**Requirements:**

Personnel Services      \$ 153,239

Materials & Services      \$ 15,000

Interfund Transfer      \$ 90,618

**TOTAL    \$ 258,857**

**Resources:**

STBG      \$ 232,273

~~Metro Required~~  
Match STBG Match (Metro)      \$ 26,585

**TOTAL    \$ 258,857**

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## MAX Tunnel Study

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**Staff Contact:** Matt Bihn, matt.bihn@oregonmetro.gov

### Description

Metro's MAX Tunnel Study (formerly the Central City Transit Capacity Analysis) is a preliminary study that expands upon previous TriMet work to identify a long-term solution to current reliability problems and future capacity constraints caused by the Steel Bridge. The purpose of the MAX Tunnel study is to lay the groundwork for a much larger study under the National Environmental Policy Act (NEPA). The goals are to identify a representative project that addresses light rail capacity and reliability issues in the Portland central city and improves regional mobility by eliminating major sources of rail system delay; to provide conceptual, preliminary information for stakeholders and the general public; and to determine the resources needed to advance the project through NEPA.

In FY 2020, project staff identified a light rail tunnel between the Lloyd District and Goose Hollow as the option that would best address 2018 RTP policy direction and provide the most benefits with regard to travel time, capacity, reliability, climate, and equity. The study entered the FTA's Early Scoping process to introduce the concept of a light rail tunnel under downtown Portland to the public and to provide opportunity for comment on the potential project's purpose and need and the scope of the planning effort. Staff also conducted targeted engagement with regional stakeholder groups.

This initial study, focused on a tunnel, concluded this fiscal year, but currently continues to provide information to support decision-makers regarding the potential future phases of the project.

Information can be found on the project's website:

<https://www.oregonmetro.gov/public-projects/max-tunnel-study>

In the subsequent phase, initiated in January 2021, the study's focus was broadened to assess other transit service and infrastructure improvements to address Central City transit capacity. In collaboration with the Enhanced Transit Concepts program, this program will identify, evaluate, and design transit priority and access treatments that improve capacity.

### **Key Project Deliverables / Milestone**

<b>Qtr 1</b>	<b>Qtr 2</b>	<b>Qtr 3</b>	<b>Qtr 4</b>
Identify/design transit capacity improvements	Identify/design transit capacity improvements		

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### **FY 2021-22 Cost and Funding Sources**

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#### **Requirements:**

Materials & Services      \$ 40,000

#### **Resources:**

Metro Direct      \$ 40,000  
Contribution

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**TOTAL    \$ 40,000**

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**TOTAL    \$ 40,000**

# City of Portland Transit and Equitable Development Assessment

**Staff Contact:** Brian Harper, [brian.harper@oregonmetro.gov](mailto:brian.harper@oregonmetro.gov)

## Description

The project seeks to create an equitable development plan for two future transit-oriented districts – one in NW Portland and one in Inner East Portland. This project is intended to complement potential transit improvements to better connect Montgomery Park with the Hollywood District. The project will identify the land use and urban design opportunities, economic development and community benefit desires and opportunities leveraged under a transit-oriented development scenario. The project will now consider how such opportunities could support the City's racial equity, climate justice, employment and housing goals, and the 2035 Comprehensive Plan.

The study will assess affordable housing, economic development and business stabilization opportunities associated with potential transit investments. The study will evaluate existing or future transit service and a potential 6.1-mile transit extension. An initial Phase 1 transit expansion would extend the streetcar, or other high-quality transit service to Montgomery Park, linking Portland's Central Eastside to an underserved area of Northwest Portland. Phase 2 will explore alignment options and development potential to extend this line to the Hollywood District.

Project partners will examine how transit alternatives can better support inclusive development, affordable housing and access. Major transit investments are seen as a land use tool to shape the future growth of the Central City and surrounding areas.

This is an ongoing program.

## Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Urban Design Report	Transportation Plan	Draft Plan	Adopt Final Plan

## FY 2021-22 Cost and Funding Sources

Requirements:		Resources:	
Personnel Services	\$ 59,821	FTA <del>/FHWA/</del> <del>ODOT Grant</del>	\$ 182,776
Materials & Services	\$ 110,000	<del>Metro Required Match</del> FTA Grant Match (Metro)	\$ 20,920
Interfund Transfer	\$ 33,875		
<b>TOTAL</b>	<b>203,696</b>	<b>TOTAL</b>	<b>\$ 203,696</b>

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# Tualatin Valley Highway Transit and Development Project

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**Staff Contact:** Elizabeth Mros-O'Hara, [Elizabeth.Mros-OHara@oregonmetro.gov](mailto:Elizabeth.Mros-OHara@oregonmetro.gov)

## Description

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The Tualatin Valley (TV) Highway transit and development project creates a collaborative process with the surrounding communities and relevant jurisdictions to prioritize transportation projects, building on recent work undertaken by Washington County.

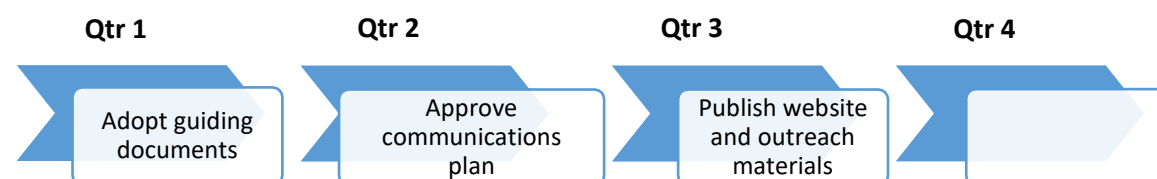
This is a new program commencing in the second half of fiscal year 2020-21. The project's first major task in fiscal year 2020-21 was to establish a steering committee that includes elected officials and community-based organizations (CBOs) that represent communities of color and other marginalized communities within the study area. This group is responsible for developing an equitable development strategy (EDS) and a locally preferred alternative (LPA) for a transit project. The committee's work is informed by input gathered through public engagement efforts that include targeted outreach to communities of concern.

The EDS identifies actions for minimizing and mitigating displacement pressures within the corridor, particularly in high poverty census tracts where public investments may most affect property values. This effort includes identification of existing conditions, businesses owned by marginalized community members and opportunities for workforce development. The EDS strategy may identify additional housing needs, workforce development gaps and opportunities for residents, regulatory issues to be addressed particularly around land use and development, additional public investments, community-led development initiatives, and leadership training and education for residents.

For the transit LPA, the project will advance conceptual designs enough to apply for entry to federal project development, which may include analysis of alternatives for roadway design, transit priority treatments, transit station design and station placement. This effort will be informed by a travel time and reliability analysis which would utilize traffic modeling software as appropriate, as well as an evaluation of the feasibility of using articulated electric buses in the corridor.

This project supports the 2018 Regional Transportation Plan policy guidance on equity, safety, climate and congestion. Typical project activities include coordinating and facilitating the project steering committee, jurisdictional partner staff meetings, and the community engagement program; developing the equitable development strategy; and undertaking design work and analysis related to the locally preferred transit project.

## Key Project Deliverables / Milestones





**FY 2021-22 Cost and Funding Sources**

Requirements:		Resources:	
Personnel Services	\$ 423,719	FTA <del>/FHWA/</del> <del>ODOT</del> Grant	\$ 434,727
Materials & Services	\$ 392,967	STBG FTA Grant Match (Metro)	\$ <del>326,622</del> 49,756
Interfund Transfer	\$ 31,803	<del>Metro Required-</del> Match STBG	\$ <del>87,140</del> 326,622
		STBG Match (Metro)	\$ <del>37,383</del>
<b>TOTAL</b>	<b>\$ 848,489</b>	<b>TOTAL</b>	<b>\$ 848,489</b>

# TriMet Red Line MAX Extension Transit-Oriented Development (TOD) & Station Area Planning

**Staff Contact:** ~~Bob Hastings, [hastingsb@trimet.org](mailto:hastingsb@trimet.org)~~ or Jeff Owen, [owenj@trimet.org](mailto:owenj@trimet.org)

## Description

Through the award of a Federal Transit Administration (FTA) grant, this project will seek to activate under-developed station areas along the west extension of the MAX Red Line and the east portion of the Red Line corridor where increased reliability of MAX service resulting from the proposed Small Starts capital investments provides additional incentive for private and public investments. While the entire extended Red Line corridor includes the alignment between Portland International Airport and the Fair Complex/Hillsboro Airport Transit Center, TriMet is choosing to focus these project activities on two specific segments of the corridor.

The project area is defined as all areas within  $\frac{3}{4}$  of a mile of the MAX alignment east of NE 47th Avenue in Multnomah County and west of SW Murray and east of NE 28th Avenue in Washington County. Focus areas will also be established at the following stations: Parkrose / Sumner Transit Center; Gateway / NE 99th Transit Center; NE 82nd; NE 60th; Millikan Way; Beaverton Creek; Elmonica/SW 170th; Willow Creek/ SW 185th Transit Center; Fair Complex/ Hillsboro Airport. Station areas within the project area that are not focus areas will be included in broader economic and market analysis. Stabilization and economic opportunity development strategies will also be applied to these station areas.

## Key Project Deliverables / Milestones

After project initiation in Q2/Q3 and during the remainder of FY 2020-21, this project plans to complete an economic analysis at focus station areas across the east and west corridor segments; a business stabilization and development taskforce; and begin a resident stabilization and housing growth taskforce. The project will then carry into the following fiscal year.

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Grant Application	Grant Award	Project Start	Economic Analysis

## FY 2020-21-2022 Cost and Funding Sources

Requirements:		Resources:	
Personal Services	\$ 30,000	Federal grant	\$ 219,213
Materials & Services	\$ 298,820	Local Match	\$ 109,607
<b>TOTAL</b>	<b>\$ 328,820</b>	<b>TOTAL</b>	<b>\$ 328,820</b>

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## Westside Corridor Multimodal Improvements Study

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### Staff Contact:

ODOT: Mandy Putney, Mandy.putney@ODOT.state.or.us

Metro: Matt Bihn, matt.bihn@oregonmetro.gov

**Disclaimer: This is a new planning effort ODOT is considering for fiscal year 2021-22. Due to the timing of the Agency's budget development and approval it is subject to change.**

### Description

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This corridor is generally defined by US 26 (Sunset Highway), which extends from the Oregon Coast through the Vista Ridge Tunnel where it intersects with the I-405 loop accessing I-5, and I-84. The 2018 Regional Transportation Plan (RTP) includes this project as 8.2.4.6 Hillsboro to Portland (Mobility Corridors 13, 14 and 16).

The study will identify the multimodal (aviation, transit, freight, auto, etc.) needs, challenges and opportunities in the corridor. Options will be evaluated for their potential to address existing deficiencies and support future growth in freight, commuters, and commercial traffic between Hillsboro's Silicon Forest, Northern Washington County's agricultural freight, and the Portland Central City, the international freight distribution hub of I-5 and I-84, the Port of Portland marine terminals, rail facilities, and the Portland International Airport. Commute trip reduction opportunities and assumptions about remote workforce will be included. The West Side Corridor Study will evaluate multimodal improvements in support of regional and statewide goals, specifically including climate. Study will begin in the first quarter of FY 2021 and conclude in the ~~first~~second quarter of FY 2022.

### Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Define scope develop charter	Hire consultant initiate engagement	Define problem statement / outcomes	Evaluate options / modelling

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### FY 2021-21 Cost and Funding Sources

**Disclaimer: Funding listed in this narrative is draft, and subject to change. ODOT operates on a biennial budget basis. Final budget numbers for the 2021-23 budget will be approved June 30, 2021**

Requirements:		Resources:	
Personal Services	\$ 250,000	Federal grant	\$ 863,636
Materials & Services	\$ 750,000	Local Match	\$ 136,364
<b>TOTAL</b>	<b>\$ 1,000,000</b>	<b>TOTAL</b>	<b>\$ 1,000,000</b>





# Regional Administration and Support



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## MPO Management and Services

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**Staff Contact:** Tom Kloster (tom.kloster@oregonmetro.gov)

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### Description

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The Metropolitan Planning Organization (MPO) Management and Services program is responsible for the overall management and administration of the region's ~~responsibilities~~ responsibility as a federally-designated MPO. These planning responsibilities include:

- creation and administration of the annual Unified Planning Work Program (UPWP)
- periodic amendments to the UPWP
- procurement of services
- contract administration
- federal grants administration
- federal reporting
- annual self-certification for meeting federal MPO planning requirements
- periodic on-site certification reviews with federal agencies
- public participation in support of MPO activities
- convening and ongoing support for MPO advisory committees
- public engagement

As an MPO, Metro is regulated by federal planning requirements and is a direct recipient of federal transportation grants to help meet those requirements. Metro is also regulated by State of Oregon planning requirements that govern the Regional Transportation Plan (RTP) and other transportation planning activities. The purpose of the MPO is to ensure that federal transportation planning programs and mandates are effectively implemented, including ongoing coordination and consultation with state and federal regulators. The MPO Management team also ensures consistency between the federal regulations, state plans, the RTP and local plans.

Metro's Joint Policy Advisory Committee on Transportation (JPACT) serves as the MPO board for the region in a unique partnership that requires joint action with the Metro Council on all MPO decisions. The Transportation Policy Alternatives Committee (TPAC) serves as the technical body that works with Metro staff to develop policy alternatives and recommendations for JPACT and the Metro Council. TPAC's membership includes six members of the public with diverse backgrounds and perspectives.

As the MPO, Metro is also responsible for preparing the annual Unified Planning Work Program (UPWP), the document you are reading now, and which coordinates activities for all federally funded planning efforts in the Metro region.

Metro also maintains the following required intergovernmental agreements (IGAs) and memorandums of understanding (MOUs) with local partners and jurisdictions on general planning coordination and special planning projects:



- ODOT/Metro Local Agency Master Certification IGA and Quality Program Plan (effective through June 30, 2021)
- 4-Way Planning IGA with ODOT, TriMet and SMART (effective through June 19, 2021)
- ~~South Metro Area Rapid Transit (SMART) MOU (effective through June 30, 2020)~~
- SW Regional Transportation Council (RTC) MOU (effective through June 30, 2021)
- Oregon Department of Environmental Quality MOU (effective through March 7, 2023)

Metro belongs to the Oregon MPO Consortium (OMPOC), a coordinating body made up of representatives of all eight Oregon MPO boards, and Metro staff also collaborates with other MPOs and transit districts in quarterly staff meetings districts convened by ODOT. OMPOC is funded by voluntary contributions from all eight Oregon MPOs.

As part of federal transportation performance and congestion management monitoring and reporting, Metro will also continue to address federal MAP-21 and FAST Act transportation performance management requirements that were adopted as part of the 2018 Regional Transportation Plan (RTP). The performance targets are for federal monitoring and reporting purposes and will be coordinated with the Oregon Department of Transportation (ODOT), TriMet, South Metro Area Regional Transit (SMART) and C-TRAN. The regional targets support the region's Congestion Management Process, the 2018 policy guidance on safety, congestion and air quality, and complements other performance measures and targets discussed in Chapter 2 of the 2018 RTP.

#### Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Updates to MOUs and IGAs	Map-21 Reporting	Draft 2021-22 UPWP Review MAP-21 Targets	Adopt 2021-22 UPWP Self-Certification

#### FY 2021-22 Cost and Funding Sources

Requirements:		Resources:	
Personnel Services	\$ 290,610	5303	\$ 421,861
Materials & Services	\$ 19,000	<u>Metro Required-</u>	\$ 48,284
		<u>Match5303 Match</u>	
		<u>(Metro)</u>	
Interfund Transfer	\$ 160,535		
<b>TOTAL</b>	<b>\$ 470,145</b>	<b>TOTAL</b>	<b>\$ 470,145</b>



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## Civil Rights and Environmental Justice

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**Staff Contact:** Eryn Kehe, [eryn.kehe@oregonmetro.gov](mailto:eryn.kehe@oregonmetro.gov)

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### Description

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Metro's transportation-related planning policies and procedures respond to mandates in Title VI of the 1964 Civil Rights Act and related regulations; Section 504 of the 1973 Rehabilitation Act and Title II of the 1990 Americans with Disabilities Act; the federal Executive Order on Environmental Justice; the United States Department of Transportation (USDOT) Order; the Federal Highway Administration (FHWA) Order; Goal 1 of Oregon's Statewide Planning Goals and Guidelines and Metro's organizational values of Respect and Public Service.

The Civil Rights and Environmental Justice program works to continuously improve practices to identify, engage and improve equitable outcomes for historically marginalized communities, particularly communities of color and people with low income, and develops and maintains processes to ensure that no person be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination on the basis of race, color, national origin, sex, age or disability.

This is an ongoing program. Typical activities include receiving, investigating and reporting civil rights complaints against Metro and its sub-recipients; [conducting benefits and burdens analysis of investments and decisions to ensure that the burdens do not fall disproportionately on the Region's underserved populations](#); conducting focused engagement with communities of color, [persons with limited English proficiency](#)~~English language learners~~ and people with low income for transportation plans and programs, providing language resources, including translation of vital documents on the Metro website for all languages identified as qualifying for the Department of Justice Safe Harbor provision, providing language assistance guidance and training for staff to assist and engage English language learners. In FY 2020-21, Metro conducted a Title VI/transportation equity assessment on the investments of the Metropolitan Transportation Improvement Program and Title VI and an equity assessment will be incorporated into the Regional Transportation Plan (RTP) update scheduled to begin in FY 2021-22.

### Key Project Deliverables / Milestones



**FY 2021-22 Cost and Funding Sources**

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**Requirements:**

Personnel Services      \$ 61,467  
Interfund Transfer      \$ 36,768

**Resources:**

5303      \$ 88,146  
~~Metro Required~~      \$ 10,089

~~Match~~ 5303 Match (Metro)

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**TOTAL    \$ 98,235**

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**TOTAL    \$ 98,235**

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## Public Engagement

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**Staff Contact:** Eryn Kehe, [eryn.kehe@oregonmetro.gov](mailto:eryn.kehe@oregonmetro.gov)

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### Description

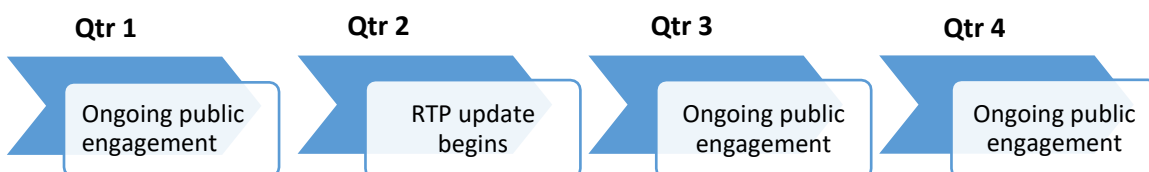
Metro is committed to transparency and access to decisions, services and information for everyone throughout the region. Metro strives to be responsive to the people of the region, provide clear and concise informational materials, and integrate, address and respond to the ideas and concerns raised by the community. Public engagement activities for decision-making processes are documented and given full consideration.

Metro is committed to bringing a diversity of voices to the decision making table to inspire inclusive and innovative solutions to the challenges of a changing region. Metro performs focused engagement to hear the perspectives of historically marginalized communities to inform decisions and meet the objectives of its Civil Rights and Environmental Justice program. Metro's public engagement program builds capacity to create more inclusive, transparent and relationship-based public engagement practices. The office serves as a resource for current best practices for public involvement, supports the Diversity Action Plan and the Diversity, Equity and Inclusion work which develops strategies to engage youth and underrepresented communities in regional decision making. This is an ongoing program. Typical activities include strategies for focused and broad engagement in Metro's planning and policy processes. Metro also develops surveys and reports on public engagement to inform decisions before Metro Council and other decision makers. FY 2020-21 activities included engagement on the Metropolitan Transportation Improvement Program and continuing to build our tribal engagement program with new staffing that Metro has recently added. Metro will also conduct public engagement around specific planning activities, such as the Regional Congestion Pricing study. An update to Regional Transportation Plan is expected to begin late in 2021.

[Metro's Public Engagement Guide](#)

[Be Involved in transportation planning: a guide to being involved in a building a better system for getting around greater Portland](#)

### Key Project Deliverables / Milestones



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### FY 2021-22 Cost and Funding Sources

**Note:** Public Engagement is spread throughout other project budgets. Please refer to the MTIP, Corridor Planning, Civil Rights, MPO Management and services budget summaries.

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## Data Management and Visualization

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**Staff Contact:** Steve Erickson, [steve.erickson@oregonmetro.gov](mailto:steve.erickson@oregonmetro.gov)

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### Description

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Metro's Data Research Center provides Metro, regional partners and the public with technical services including data management, visualization, analysis, application development, and systems administration. The Research Center collaborates with Metro programs to support planning, modeling, forecasting, policy-making, resiliency, and performance measurement activities.

The Research Center's work in FY 2021-22 will span all of these disciplines. In the fields of data management and analytics, the Research Center will provide technical expertise and data visualization products for Regional Transportation Planning, including work on the Mobility Policy Update, Metropolitan Transportation Improvement Program, Performance Measures and the Transportation Data Program. The Demographics and Equity Team will move forward with implementing the department's Equity Analytics Strategy.

The Research Center will develop applications and provide systems administration for a variety of tools. Recent examples are: the Regional Barometer, an open-data and performance-measures website that makes key metrics and their associated data available to the public, the Economic Value Atlas, an economic development planning tool, and the Crash Map, a tool for the analysis of transportation safety data. In addition, the program will support its geospatial technology platform, providing a toolset for do-it-yourself mapping and interactive web applications. The program will continue to expand and enhance these products and services.

The Research Center will continue adding value to the Regional Land Information System (RLIS) by modernizing its technologies and publishing data on a continual basis. This provides essential data and technical resources to both Metro programs and partner jurisdictions throughout the region. RLIS, Metro's geospatial intelligence program, is an on-going program with a 30+ year history of being a regional leader in GIS and providing quality data and analysis in support of Metro's MPO responsibilities.

For additional information about the Research Center's Data Management and Visualization projects, email [steve.erickson@oregonmetro.gov](mailto:steve.erickson@oregonmetro.gov) or call (503) 797-1595.

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## Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
RLIS Live Update Application Updates	RLIS Live Update 2021 Aerial Photos	RLIS Live Update Application Updates	RLIS Live Update

## FY 2020-21-22 Cost and Funding Sources

Requirements:		Resources:	
Personnel Services	\$ 1,013,546	PL	\$ <del>803,454</del> 720,939
<del>Materials &amp; Services</del>	<del>\$ 59,560</del>	<del>Metro Direct</del>	<del>\$ 543,528</del>
<del>Interfund</del>	<del>\$ 273,876</del> 59,560	<del>Contribution</del>	
<del>Transfer</del> Materials &	<del>\$ 273,876</del>	PL Match (ODOT)	\$ 82,515
<del>Services</del>		<del>Metro Direct</del>	<del>\$ 543,528</del>
<del>Interfund Transfer</del>		<del>Contribution</del>	
<b>TOTAL</b>	<b>\$ 1,346,982</b>	<b>TOTAL</b>	<b>\$ 1,346,982</b>

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## Economic, Demographic, and Land Use Forecasting, Development and Application Program

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**Staff Contact:** Chris Johnson, [chris.johnson@oregonmetro.gov](mailto:chris.johnson@oregonmetro.gov)

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### Description

The Economic, Demographic, and Land Use Forecasting, Development and Application Program assembles historical data and develops future forecasts of population, land use, and economic activity that support Metro's regional planning and policy decision-making processes. The forecasts are developed for various geographies, ranging from regional (MSA) to Transportation Analysis Zone (TAZ) level, and across time horizons ranging from 20 to 50 years into the future. The Economic, Demographic, and Land Use Forecasting, Development, and Application Program also includes activities related to the continued development of the analytical tools that are applied to produce the abovementioned forecasts.

Long-range economic and demographic projections are regularly updated to incorporate the latest observed changes in demographic, economic, and real estate development conditions. Metro staff rely on the forecasts and projections to manage solid waste policy, study transportation corridor needs, formulate regional transportation plans, analyze the economic impacts of potential climate change scenarios, and to develop land use planning alternatives.

The resources devoted to the development and maintenance of the Metro's core forecast toolkits are critical to Metro's jurisdictional and agency partners. Local jurisdictions across the region rely on the forecast products to inform their comprehensive plan and system plan updates. Because the modeling toolkit provides the analytical foundation for informing the region's most significant decisions, ongoing annual support acts to leverage significant historical investments and to ensure that the analytical tools are always ready to fulfill the project needs of Metro's partners. The analytical tools are also a key source of data and metrics used to evaluate the region's progress toward meeting its equity, safety, climate, and congestion goals.

A listing of recent project work completed under the Economic, Demographic, and Land Use Forecasting, Development and Application Program is shown below.

Work completed (July 2020 – June 2021):

- Land Development Monitoring System (Maintenance)
- Census 2020 (Support)
- Regional Economic Forecast (REF--Maintenance)
- Population Synthesizer (Implemented)
- Distributed Forecast (Adopted)
- TAZ-Level Travel Model Inputs (HIA Development)
- Map Back Tool (Updates/Maintenance)
- Housing and Transportation Cost Calculator (Prototype)
- Land Use Model Scoping (Complete)

### Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
MapBack Updates, REF Maintenance	HIA Testing for RTP, REF Maintenance	REF Maintenance	REF

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### FY 2021-22 Cost and Funding Sources

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#### Requirements:

Personnel Services	\$ 196,435
<a href="#">Materials &amp; Services</a>	<a href="#">\$ 76,300</a>
<del><a href="#">Materials &amp; Services</a></del>	<del><a href="#">\$ 76,300</a></del>
Interfund Transfer	\$ 104,881

#### Resources:

PL	\$ <del>182,140</del> 163,434
<a href="#">PL Match (ODOT)</a>	<a href="#">\$ 18,706</a>
<del><a href="#">Metro Direct</a></del>	<del><a href="#">\$ 118,591</a></del>
<del><a href="#">Contribution</a></del>	
<del><a href="#">Local Partner</a></del>	<del><a href="#">\$ 76,885</a></del>
<del><a href="#">Support</a></del> <a href="#">ODOT Support</a>	<del><a href="#">\$ 118,591</a></del>
<del><a href="#">Funds</a></del>	
<del><a href="#">Metro Direct</a></del>	
<del><a href="#">Contribution</a></del>	

**TOTAL \$ 377,616**

**TOTAL \$ 377,616**

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# Travel Forecast Maintenance, Development and Application

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**Staff Contact:** Chris Johnson, [chris.johnson@oregonmetro.gov](mailto:chris.johnson@oregonmetro.gov)

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## Description

The Travel Forecast Maintenance, Development, and Application Program is a coordinated portfolio of projects and tasks devoted to the development, application, and maintenance of the core analytical toolkit used to inform and support regional transportation policy and investment decision-making. Individual elements of the toolkit include:

- Travel Demand Models (Trip-based, Activity-based)
- Freight Travel Demand Model
- Bicycle Route Choice Assignment Model
- Multi-Criterion Evaluation Tool (Benefit/Cost Calculator)
- Housing and Transportation Cost Calculator
- Dynamic Traffic Assignment Model
- VisionEval Scenario Planning Tool

The resources devoted to the development and maintenance of the travel demand modeling toolkit are critical to Metro's jurisdictional and agency partners. Because the modeling toolkit provides the analytical foundation for evaluating the region's most significant transportation projects, ongoing annual support acts to leverage significant historical investments and to ensure that the modeling toolkit is always ready to fulfill the project needs of Metro's partners. The modeling toolkit is also a key source of data and metrics used to evaluate the region's progress toward meeting its equity, safety, climate, and congestion goals.

A listing of recent project work completed under the Travel Forecast Maintenance, Development, and Application Program is shown below.

Work to be completed (July 2020 – June 2021):

- ODOT I-5/I-205 Tolling (Development, Application, and Analytics)
- Regional Congestion Pricing (Application, and Analytics)
- Mobility Policy Update (Application, and Analytics)
- VisionEval (Regional Prototype Development)
- Regional Freight Delay and Commodities Movement Study (Calibration/Validation)
- Multi-Criterion Evaluation Tool (Development, Application, and Analytics)
- Replica Data Product Pilot Project (Evaluation Completed)
- Transportation Data Program (Implementation)
- CT-RAMP Activity-based Travel Demand Model (Prototype Developed)
- Quick Launch Regional Dynamic Traffic Assignment (Prototype Testing)
- Housing and Transportation Cost Calculator (Prototype Developed)

For more information about the Travel Demand Modeling and Forecasting Program, contact Chris Johnson at [chris.johnson@oregonmetro.gov](mailto:chris.johnson@oregonmetro.gov).



## Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
ABM, VisionEval, TDP, MP, Pricing	ABM, VisionEval, TDP, MP, Pricing	ABM, TDP, Pricing, Freight	ABM, TDP, Pricing, Freight

## FY 2021-22 Cost and Funding Sources

### Requirements:

Personnel Services	\$ 968,813
<u>Materials &amp; Services</u>	<u>\$ 81,086</u>
<del>Materials &amp; Services</del>	<del>\$ 81,086</del>
Interfund Transfer	\$ 426,277

### Resources:

PL	\$ <del>876,270</del> 86,277
<u>PL Match (ODOT)</u>	<u>\$ 89,993</u>
<u>Metro Direct</u>	<u>\$ 206,791</u>
<u>Contribution</u>	
<del>Local Partner</del>	<del>\$ 393,115</del> 148,115
<u>Support</u>	<u>\$ 245,000</u>
<u>ODOT Support</u>	<u>\$ 206,791</u>
<u>Funds</u>	
<u>TriMet Support Funds</u>	
<u>Metro Direct</u>	
<u>Contribution</u>	

**TOTAL \$ 1,476,176**

**TOTAL \$ 1,476,176**

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# Oregon Household Travel Survey

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**Staff Contact:** Chris Johnson, [chris.johnson@oregonmetro.gov](mailto:chris.johnson@oregonmetro.gov)

## Description

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Transportation analysts, planners and decision-makers rely on periodic travel surveys to provide a “snapshot” of current household travel behavior. The data collected through household travel survey efforts are also critical for updating and improving travel demand models, the foundational analytical tool used to support transportation planning, as they provide a comprehensive picture of personal travel behavior that is lacking in other data sources. Because of changing population, demographic and travel trends, updated household surveys are completed periodically to ensure a recent and reliable snapshot of travel behavior.

Metro partners with ODOT, the members of the Oregon MPO Consortium and the Southwest Washington Regional Council to conduct a statewide survey, both to share costs and to provide a statewide data set with broader applications and more consistency than would be possible if each of these partners were to complete surveys independently.

The current household survey project will be structured around three major phases:

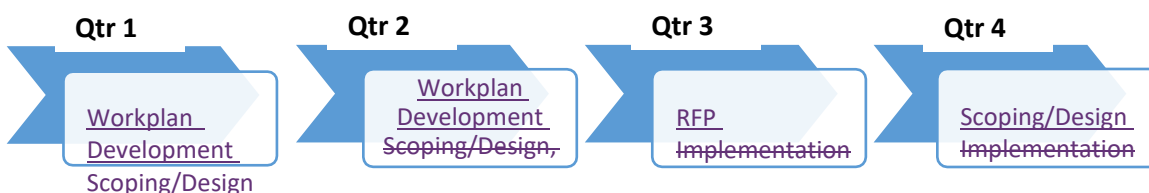
- Phase I – Scoping
- Phase II – Survey Design
- Phase III – Survey Implementation ([Planned for Fall of 2022, FY 2022-2023](#))

The survey data will be critical for policy and decision-makers across the state. It will be used in the development of a variety of MPO and statewide trip-based and activity-based travel models throughout Oregon, including models in the Portland/Vancouver, WA area and other Oregon metropolitan and non-metropolitan areas. It will also support the development of integrated land use economic transportation models being developed by ODOT.

Work completed (July 2020 – June 2021):

- Work plan development
- RFP development/release
- Contractor evaluation and selection
- Procurement and contracting
- Scoping/design phases initiated

## Key Project Deliverables / Milestones



**FY 2021-22 Cost and Funding Sources**

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**Requirements:**

Personnel Services      \$ 92,072

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**TOTAL**      **\$ 92,072****Resources:**PL      \$ ~~92,072~~282,616[PL Match \(ODOT\)](#)      [\\$ 9,456](#)

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**TOTAL**      **\$ 92,072**

# Technical Assistance Program

**Staff Contact:** Chris Johnson, [chris.johnson@oregonmetro.gov](mailto:chris.johnson@oregonmetro.gov)

## Description

US Department of Transportation protocols require the preparation of future year regional travel forecasts to analyze project alternatives. The Technical Assistance program provides transportation data and travel modeling services for projects that are of interest to local partner jurisdictions. Clients of this program include regional cities and counties, TriMet, the Oregon Department of Transportation, the Port of Portland, private sector businesses and the general public.

Client agencies may also use funds from this program to purchase and maintain copies of the transportation modeling software used by Metro. A budget allocation defines the amount of funds available to each regional jurisdiction for these services, and data and modeling outputs are provided upon request. This is an ongoing program.

## Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Software maintenance fees paid	Assistance completed upon request	Assistance completed upon request	Assistance completed upon request

## FY 2021-22 Cost and Funding Sources

<b>Requirements:</b>		<b>Resources:</b>	
Personnel Services	\$ 50,120	STBG	\$ 94,646
Materials & Services	\$ 30,948	<del>Metro Required Match</del> STBG Match (Metro)	\$ 10,833
Interfund Transfer	\$ 24,411		
<b>TOTAL</b>	<b>105,479</b>	<b>TOTAL</b>	<b>\$ 105,479</b>

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# Intergovernmental Agreement Fund Management

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**Staff Contact:** Grace Cho, [grace.cho@oregonmetro.gov](mailto:grace.cho@oregonmetro.gov)

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## Description

Metro manages the processes and funds that are part of Intergovernmental Agreements with our partners. As a metropolitan planning organization (MPO) for the Portland region, Metro has allocation and programming authority of federal surface transportation funds. Metro documents and develops the schedule of planned expenditure of federal funds in the region through the Metropolitan Transportation Improvement Program (MTIP). The MTIP, approved by Joint Policy Advisory Committee on Transportation (JPACT) and the Metro Council, monitors expenditure and project delivery. From 2017 through 2020, JPACT and the Metro Council approved and directed Metro staff to pursue a number of contracts with our partners to meet the specific funding needs of our partners and the region. The intent of the IGAs is to create efficiencies in the number of projects undergoing the federal aid process and to support flexibility in project development on a number of active transportation projects and other regional priorities. .

Metro administers the funding and monitors the delivery of the projects associated with the IGAs. The IGAs also outline the scope of work, deliverables, and schedule for the project. A grant management database supports the administration and monitoring for work completed on the project. As necessary, Metro conducts MTIP amendments or UPWP amendments to facilitate any changes.

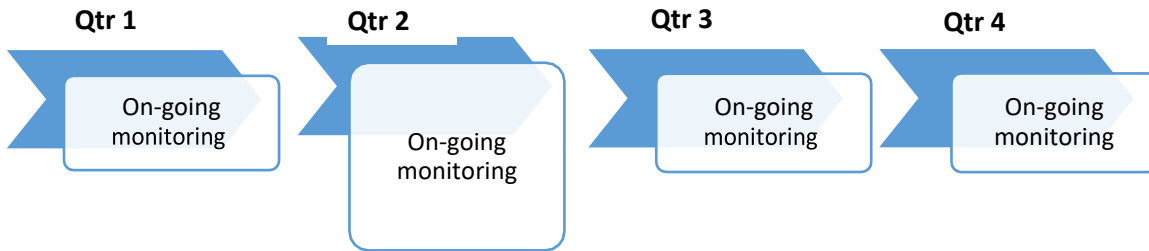
This is an ongoing program until the final project IGA is completed. Typical program activities include:

- Monitor project delivery for projects through project progress reports
- Review and approve or conditionally approve project deliverables
- Review and approve or decline invoices
- Problem-solve, review, and make decisions on change management requests
- As requested, participate in technical advisory committees for fund swapped projects
- Keep other Metro staff and departments aware of projects, project progress, and comment opportunities
- Develop and execute IGAs with local jurisdictions
  - Negotiate terms and deliverables
    - Outline reimbursement process and limitations, change management process
    - Outline grantee and grant manager expectations
- Oversee the fund balances of the local funds
  - Ensure scheduled changes line up with anticipated expenditure of funds
- Ensures MTIP or UPWP amendments are undertaken to facilitate funds between the IGA parties and the delivery of those projects identified in the IGAs
- Document the process of administering the funds

In FY 2020-21, Metro continued with program management and monitoring activities. In total, Metro currently manages 22 jurisdiction-led projects and four Metro-led projects through the IGA Fund Management program. Two additional IGAs are anticipated to be signed before the end of FY 2020-

21, but will be managed throughout FY2021-22. Four projects have been completed as of early November 2020.

#### Key Project Deliverables / Milestones



#### FY 2020-21-22 Cost and Funding Sources

<b>Requirements:</b>		<b>Resources:</b>	
Personnel Services	\$ 31,825	Metro Direct	\$ 51,696
<u>Interfund Transfer</u>	<u>\$ 19,871</u>	Contribution	
<del>Interfund Transfer</del>	<del>\$ 19,871</del>		
<b>TOTAL</b>	<b>\$ 51,696</b>	<b>TOTAL</b>	<b>\$ 51,696</b>



# State Transportation Planning of Regional Significance





# ODOT Development Review

**Staff Contact:** Jon Makler, jon.makler@odot.state.or.us

## Description

ODOT reviews local land use actions and participates in development review cases when those actions may have safety or operational impacts (for all modes of travel) on the state roadway system, or if they involve access (driveways) to state roadways. This includes work with jurisdiction partners and applicants, and products may include written responses and/or mitigation agreements. This work includes review of quasi-judicial plan amendments, code and ordinance text amendments, transportation system plan amendments, site plans, conditional uses, variances, land divisions, master plans/planned unit developments, annexations, urban growth boundary expansions and recommendations for industrial land site certifications. ODOT also works to ensure that long-range planning projects integrate development review considerations into the plan or implementing ordinances, so that long-range plans can be implemented incrementally over time.

In a typical fiscal year, ODOT Region 1 staff review more than 2,000 land use actions, with approximately 150 written responses and 100 mitigation agreements. In FY 2020-21, Region 1 staff reviewed just roughly 1,940 land use actions, with approximately 210 written responses and 200 mitigation agreements.

## Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
<u>Ongoing response letters, mitigation agreements</u>	<u>Ongoing response letters, mitigation agreements</u>	<u>Ongoing response letters, mitigation agreements</u>	<u>Ongoing response letters, mitigation agreements</u>

## FY 2021-22 Cost and Funding Sources

**Disclaimer: Funding listed in this narrative is draft, and subject to change. ODOT operates on a biennial budget basis. Final budget numbers for the 2021-23 budget will be approved June 30, 2021.**

### Requirements:

Personal Services	\$ 287,500
Materials & Services	\$ 0
<b>TOTAL</b>	<b>\$ 287,500</b>

### Resources:

Federal grant	\$ 248,295
Local Match	\$ 39,205
<b>TOTAL</b>	<b>\$ 287,500</b>

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## ODOT – Transportation and Growth Management

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**Staff Contact:** Glen Bolen AICP, Glen.a.Bolen@ODOT.state.or.us

### Description

The Transportation and Growth Management (TGM) program is a partnership of the Oregon Department of Land Conservation and Development (DLCD) and Oregon Department of Transportation (ODOT). The program helps governments across Oregon with skills and resources to plan long-term, sustainable growth in their transportation systems in line with other planning for changing demographics and land uses. TGM encourages governments to take advantage of assets they have, such as existing urban infrastructure, and walkable downtowns and main streets.

The goals of the program are:

1. Provide transportation choices to support communities with the balanced and interconnected transportation networks necessary for mobility, equity, and economic growth
2. Create communities composed of vibrant neighborhoods and lively centers linked by [convenient-accessible](#) transportation
3. Support economic vitality [and growth](#) by planning for land uses and the movement of people and goods
4. Save public and private costs with compact land uses and well-connected transportation patterns
5. Promote environmental stewardship through sustainable land use and transportation planning

TGM is primarily funded by federal transportation funds, with additional staff support and funding provided by the State of Oregon. ODOT Region 1 distributes approximately \$600 - \$900 Thousand annually to cities, counties and special districts within Hood River and Multnomah counties plus the urban portions of Clackamas and Washington County. Grants typically range from \$75,000 to \$250,000 and can be used for any combination of staff and consulting services. ODOT staff administer the grants alongside a local agency project manager.

### **Key Project Deliverables / Milestones**

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Select 2021 Awards	Scoping and Procurement	Procurement and kickoff of projects	Recruitment of 22 Grantees / closeout of 2019 Grants
Ongoing management of active projects			

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### **FY 2021-22 Cost and Funding Sources**

**Disclaimer: Funding listed in this narrative is draft, and subject to change. ODOT operates on a biennial budget basis. Final budget numbers for the 2021-23 budget will be approved June 30, 2021.**

<b>Requirements: (Est.)</b>		<b>Resources:</b>	
Personal Services	\$ 200,000	Federal grant	\$ 604,545
Materials & Services	\$ 500,000	Local Match	\$ 95,455
<b>TOTAL</b>	<b>\$ 700,000</b>	<b>TOTAL</b>	<b>\$ 700,000</b>

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## ODOT Region 1 Active Transportation Strategy

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**Staff Contact:** Kristen Stallman, Kristen.Stallman@odot.state.or.us

### Description

ODOT's Active Transportation Needs Inventory (ATNI) implementation will enable ODOT Region 1 to identify gaps and deficiencies on sidewalks and bike facilities in the system and support conceptual planning of projects that increase biking, walking and access to transit including ADA conformance. This data can be referenced across all disciplines and ODOT teams to elevate biking and walking facilities in scoping and program development activities. Primary activities include project identification, scoping for identified needs and gaps, and pairing improvements projects with relevant funding sources to maximize the inclusion of active transportation needs and costs in planning and project development as a proactive rather than reactive effort. ATNI also complements the implementation of ODOT's Blueprint for Urban Design guidance on best practices for enhancing livability on the arterial highway network.

Education and outreach efforts in coordination with ODOT Region 1 Planning & Development, ODOT Office of Civil Rights, ODOT's Ped Bike Program, ODOT Traffic Safety and Safe Routes to School, will engage partner agencies and community members in identifying needs and solutions sooner in the planning and project delivery timeline.

The Oregon Transportation Plan sets a goal of completing the state biking and walking network by 2030. The 2016 Statewide Bicycle and Pedestrian Plan and accompanying Implementation Plan establish a framework for pursuing this long-term goal.

### **Key Project Deliverables / Milestones**

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Project Identification & Scoping	Project Development and Outreach	Project Development and Outreach	Coordination and continued development

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### **FY 2021-22 Cost and Funding Sources**

**Disclaimer: Funding listed in this narrative is draft, and subject to change. ODOT operates on a biennial budget basis. Final budget numbers for the 2021-23 budget will be approved June 30, 2021.**

<b>Requirements:</b>		<b>Resources:</b>	
Personal Services	\$ 150,000	Federal grant	\$ 150,000
Materials & Services	\$	Local Match	\$
<b>TOTAL</b>	<b>\$ 150,000</b>	<b>TOTAL</b>	<b>\$ 150,000</b>

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## ODOT- Region 1 Transportation Data, Tools and Reports

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**Staff Contact:** Kristen Stallman, [Kristen.Stallman@odot.state.or.us](mailto:Kristen.Stallman@odot.state.or.us)

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### Description

In recent years, ODOT has produced several atlas-style documents to support the planning, programming and development of transportation investments around the region. These include the Interchange Atlas, Corridor/Traffic Performance Report, COVID Traffic Reports and Active Traffic Management Study. Every year, the data underlying these studies requires management and upkeep. The purpose of this project is to ensure that ODOT and its partners always have up to date and useful data available.

### Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Data Collection/	Data and Document	Continuation	Continuation

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### FY 2021-22 Cost and Funding Sources

**Disclaimer: Funding listed in this narrative is draft, and subject to change. ODOT operates on a biennial budget basis. Final budget numbers for the 2021-23 budget will be approved June 30, 2021.**

#### Requirements:

Personal Services	\$ 137,500
Materials & Services	\$ 62,500

<b>TOTAL</b>	<b>200,000</b>
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#### Resources:

Federal grant	\$ 200,000
Local Match	\$

<b>TOTAL</b>	<b>\$ 200,000</b>
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## ODOT Region 1 Planning for Operations

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**Staff Contact:** Kristen Stallman, [Kristen.Stallman@odot.state.or.us](mailto:Kristen.Stallman@odot.state.or.us)

### Description

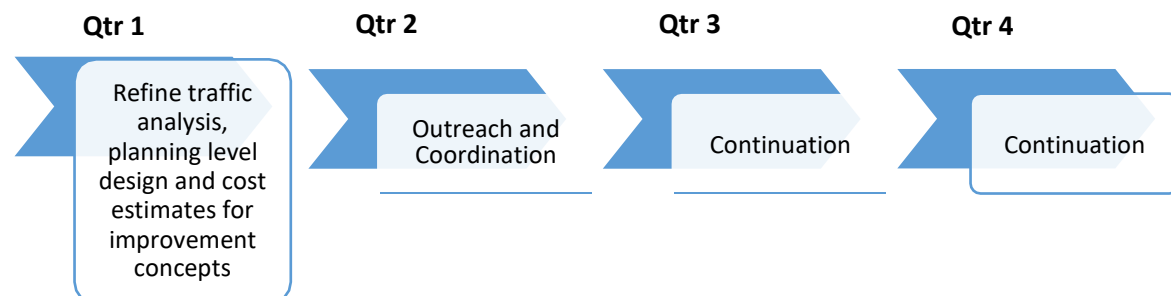
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ODOT seeks to leverage its recent work program investments in diagnosing bottlenecks and developing a strategy for active traffic management (ATM). This project will seek to identify and plan for project investments that support Transportation System Management and Operations (TSMO) on highways throughout the region. These investments are meant to improve safety and efficiency for all users of the transportation system.

Previously, ODOT developed the Corridor Bottleneck Operations Study (CBOS) and Active Traffic Management Study, both of which build on 30+ years of traffic management efforts in the region. In FY 2019-2020, ODOT completed the CBOS 2 Atlas and initiated refinement of certain projects identified in the CBOS 2 Atlas. ODOT also works to identify and prioritize investment opportunities where TSMO can improve safety and efficiency; collaborate with local and regional agencies to find and implement cost-effective TSMO investments; enhance ODOT's ability to support local planning efforts with respect to planning for operations; and support the regional Congestion Management Process and compliance with federal performance-based planning requirements, consistent with the ODOT-Metro agreement's identification of opportunities to coordinate, cooperate and collaborate.

Identification of safety and efficiency improvements through planning for operations includes identifying investment opportunities that are focused on improving safety for all users of the transportation system, as well as improving efficiency, which can lead to improvements in congested conditions and climate impacts, which is consistent with 2018 RTP policy guidance related to safety, congestion and climate change. In FY 2020-21-22 work will focus on refining traffic analysis, planning level design and cost estimates for improvement concepts, as well as associated outreach and communications. Please contact ODOT staff listed above to learn more detail.

### Key Project Deliverables / Milestones



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### FY 2021-22 Cost and Funding Sources

**Disclaimer: Funding listed in this narrative is draft, and subject to change. ODOT operates on a biennial budget basis. Final budget numbers for the 2021-23 budget will be approved June 30, 2021.**

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<b>Requirements:</b>		<b>Resources:</b>	
Personal Services	\$ 135,180	Federal grant	\$ 410,048
Materials & Services	\$ 300,000	State Match	\$ 24,132
<b>TOTAL</b>	<b>\$ 435,180</b>	<b>TOTAL</b>	<b>\$ 435,180</b>

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## Project: I-5 and I-205: Portland Metropolitan Value Pricing

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**Staff Contact:** Mike Mason, Michael.W.Mason@odot.state.or.us

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### Description

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The ODOT Toll Program is advancing the results of a feasibility analysis completed in December 2018. The Value Pricing Feasibility Analysis was conducted using state funding from House Bill 2017; no federal funds were spent (except for \$43 in June by administrative staff activating the account).

The Toll Program is part of the Statewide Transportation Improvement Program and includes two planning projects: Interstate 205 in Clackamas County (OR213 to Stafford Road) and a separate Comprehensive Congestion Management and Mobility tolling study considering the full corridor length of Interstate 5 in the Portland metro area plus on I-205 extending to the north from OR213 to the Glenn Jackson Bridge and to the south from Stafford Road to I-5. The planning/environmental analysis phase is expected to continue into 2023 for these toll projects.

I-205 Tolling: During the period of July 2020 to June 2021, work has been focused on coordination with the Federal Highway Administration and partners, planning for the toll back office system, and coordination with the planned I-205 bridge reconstruction, seismic improvements, and widening on I-205. ODOT initiated an Environmental Assessment for I-205 tolling under the federal National Environmental Policy Act during this period with modeling analysis and public engagement activities.

Comprehensive Congestion Management and Mobility Tolling: From July 2020 to June 2021, ODOT initiated a federal Planning and Environmental Linkage (PEL) process under NEPA along I-5 in the Portland metro area. In December 2020, the Oregon Transportation Commission, under the direction of HB 2017, extended the toll corridor for this study to the full length of I-5 and I-205.

The Oregon Transportation Commission has tolling authority for Oregon's highway system. The project is led by ODOT, which has developed a decision and advisory structure to engage regional partners for technical input as well as an advisory committee to assist in developing an equity framework and equitable process. Regional partners include local, county, and regional agencies, as well as transit service providers including TriMet, Smart, and others. Additionally, ODOT is coordinating with Metro and the City of Portland on concurrent efforts related to congestion pricing.

This project is consistent with RTP Goal 4: Reliability and Efficiency, Objective 4.6 Pricing – Expand the use of pricing strategies to manage vehicle congestion and encourage shared trips and use of transit. It also is consistent with the RTP's Transportation System Policies: Transportation System Management and Operations Policy 1: Expand use of pricing strategies to manage travel demand on the transportation system; and Regional Motor Vehicle Network Policy 6: In combination with increased transit service, consider use of value pricing to manage congestion and raise revenue when one or more lanes are being added to throughways.



## Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Technical analysis Federal policy coordination	Procurement Federal policy <u>coordination</u>	Technical analysis Environmental review	Technical analysis Environmental review

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### FY 2021-22 Cost and Funding Sources

**Note: Funding listed in this narrative is draft, and subject to change. ODOT operates on a biennial budget basis. Final budget numbers for the 2021-23 budget will be approved June 30, 2021.**

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#### Requirements:

Personal Services	\$ 18,897,890
Materials & Services	\$ \$650,000
<b>TOTAL</b>	<b>\$ Total Amount</b>

#### Resources:

Federal grant	\$ 18,027,064.16
Local Match	\$ 1,520,825.84
<b>TOTAL</b>	<b>\$ 19,547,890</b>

# ODOT – Interstate 5 Boone Bridge Seismic Enhancement and Interchange Improvement Study

**Staff Contact:** Kristen Stallman, [Kristen.Stallman@odot.state.or.us](mailto:Kristen.Stallman@odot.state.or.us)

**Disclaimer:** This is a potential planning effort ODOT is considering for fiscal year 2021-22. Due to the timing of the Agency's budget development and approval it is subject to change.

## Description

In 2017-2018, ODOT and the City of Wilsonville partnered on a Southbound I-5 Boone Bridge Congestion Study. The study led to the adoption of the I-5 Wilsonville Facility Plan, which documented a southbound auxiliary lane concept consistent with implementation recommendations for this corridor (see Project 11990 on the 2018 RTP Financially Constrained List)

As directed by the 2019 Legislature, ODOT hired a contractor to evaluate the I-5 Boone Bridge widening and interchange improvements between Wilsonville Road and the Canby-Hubbard Highway. The report will be completed during Quarter 3 of FY 2020-21.

Along with the engineering analysis of the Bridge, ODOT worked with Metro to analyze the effects bridge widening on travel patterns in the region.

ODOT will consider recommendations from the report as it develops the agency work program for the 2021 – 2023 biennium. This narrative is included in the UPWP to relay the potential for continued planning and analysis during FY 2021-22.

## Key Project Deliverables / Milestones

No deliverable or milestones are known at this time.

Qtr 1	Qtr 2	Qtr 3	Qtr 4
To be determined	TBD	TBD	TBD

## FY 2021-22 Cost and Funding Sources

**Disclaimer:** Funding listed in this narrative is draft, and subject to change. ODOT operates on a biennial budget basis. Final budget numbers for the 2021-23 budget will be approved June 30, 2021

### Requirements:

Personal Services	\$	TBD
Materials & Services	\$	TBD
<b>TOTAL</b>	<b>\$</b>	<b>Total Amount</b>

### Resources:

Federal grant	\$	TBD
Local Match	\$	TBD
<b>TOTAL</b>	<b>\$</b>	<b>Total Amount</b>

# ODOT Region 1 Bus on Shoulder Pilots and Feasibility Assessment

**Staff Contact:** Kristen Stallman, [Kristen.Stallman@odot.state.or.us](mailto:Kristen.Stallman@odot.state.or.us)

## Description

Demonstrating its commitment to testing innovative multi-modal tools, the Oregon Department of Transportation (ODOT) will evaluate the Portland-area freeway system for Bus-on-Shoulder (BOS) opportunities. Building on a high-level assessment of nearly 100 miles of urban freeways, the Region 1 BOS Feasibility Assessment will assess multiple pilot projects that were deployed in 2020. This effort will be followed by a more in-depth analysis of the freeway network to identify additional opportunities. Supplementing a pre- and post-pilot evaluation, the regional study will identify and prioritize corridors for potential permanent and longer-term BOS deployment. This will involve a more detailed assessment of existing transportation infrastructure and conditions, and coordination with regional transit providers and other stakeholders to assess transit demand. The assessment will build upon previous analyses and congestion mitigation measures including ODOT's bi-annual Traffic Performance Report and Corridor Bottleneck Operations Study efforts, and TriMet's forthcoming Express/Limited Stop Study. ODOT is undertaking this effort in response to internal and partner agency interest in testing BOS in Oregon.

## Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
BOS deployment	Post pilot evaluations	Region-wide BOS Feasibility Assessment	Continuation of Feasibility Assessment

## FY 2021-22 Cost and Funding Sources

**Disclaimer: Funding listed in this narrative is draft, and subject to change. ODOT operates on a biennial budget basis. Final budget numbers for the 2021-23 budget will be approved June 30, 2021.**

Requirements:		Resources:	
Personal Services	\$ 50,000	Federal grant	\$ 150,000
Materials & Services	\$ 100,000	Local Match	\$ <a href="#">Click here to enter text.</a>
<b>TOTAL</b>	<b>150,000</b>	<b>TOTAL</b>	<b>\$ 150,000</b>

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# ODOT – Oregon City - West Linn Ped-Bike Bridge Concept Plan

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**Staff Contact:** Kristen Stallman, [Kristen.Stallman@odot.state.or.us](mailto:Kristen.Stallman@odot.state.or.us)

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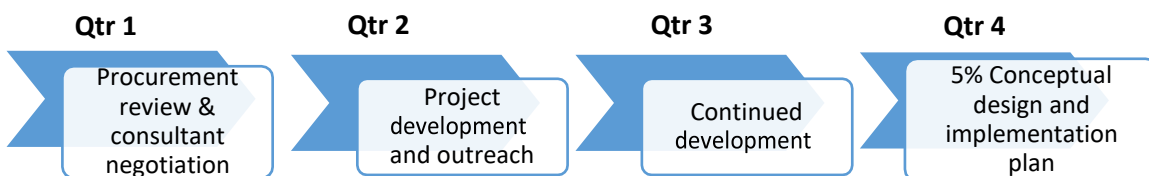
## Description

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ODOT Region 1 is initiating a planning effort with agency partners to assess the need for a pedestrian and bicycle bridge over the Willamette River connecting Oregon City and West Linn, and to identify a preferred bridge alignment. This planning effort supports community desires to connect the regional active transportation network in this area. The existing Arch Bridge (OR 43) does not adequately serve bicycle and pedestrian connectivity within the vicinity. The planned I-205 Abernethy bridge will not allow bicycle and pedestrian use. Further, agency partners are interested in identifying a new option for a low stress connection between the two cities. ODOT, with partner agencies has initiated this planning study in pursuit of providing bicycle and pedestrian travel options between Oregon City and West Linn. The work will rely on ODOT's *I-205: Stafford Road to OR 99E (Abernethy Bridge) Bicycle and Pedestrian Assessment (2016)* and existing local and regional plans, to the greatest extent possible. Today, no existing local or regional plans call for the construction of a new pedestrian and bicycle bridge of the Willamette River between Oregon City and West Linn. There are planned facilities at various stages of development (planned but unfunded, designed but unfunded, funded awaiting construction) within the identified study area on each side of the river. ~~Assessing~~Assessing the need and preferred alignment for a pedestrian and bike bridge will require local agency partnership and community involvement.

ODOT's planning effort aligns with efforts by regional partners to reimagine access to the Willamette River in Oregon City and West Linn. A new pedestrian and bicycle bridge will enhance access for people walking and biking and provide the region opportunities to reconnect with the river and identify a key missing connection in the regional bikeway and pedestrian system. Completing the active transportation network with a bridge creates essential access to and along the Willamette River between Gladstone, Oregon City, and West Linn.

## Key Project Deliverables / Milestones



**FY 2021-22 Cost and Funding Sources**

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**Requirements:**

Personal Services       \$ 50,000  
Materials & Services   \$ 300,00,000

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**TOTAL   \$ 350,000**

**Resources:**

Federal                       \$ 50000  
Federal                       \$ 300000

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**TOTAL   \$ 350,000**

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## ODOT – Region 1 Truck Network Barrier Analysis

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**Staff Contact:** Kristen Stallman, Kristen.Stallman@odot.state.or.us

**Disclaimer:** This is a new planning effort ODOT is considering for fiscal year 2021-22. Due to the timing of the Agency's budget development and approval it is subject to change.

### Description

The ODOT Region 1 Truck Network Barrier Analysis will provide a prioritized list of future strategic long-term and short-term investments to address network barriers on ODOT facilities in Region 1. Building on past work, the Network Analysis will define projects which will preserve and enhance freight function within state facilities. It will include a GIS map and prioritized list of solutions to address the network barriers. The proposed solutions and/or projects will be classified by scale, cost, benefit, constructability, and modal priority and given a score (similar to ODOT's Active Transportation Needs Inventory) to better inform needs across entire corridors. Using a similar building block approach as the Regional Freight Plan, the Network Barrier Analysis will address straightforward solutions and build to more complex solutions to maximize the operation of the existing system (similar to the Congestion Bottleneck Operations Study). This analysis will be used to inform Region 1's transportation funding plans to strategically invest in projects that leverage future investments such as preservation, bridge maintenance, and highway operational improvements while minimizing barriers on the freight network.

The Network Barrier Analysis will further evolve the strategies in the 2018 RTP Regional Freight Strategy. Presently, the RTP generally identifies projects that address bottlenecks and improve safety along Region 1's freeways. The Network Barrier Analysis will provide further refinement of the identified projects and strategies in the RTP to assure consistency with the RTP and to define the projects for future scoping in an effort to ready the projects for funding and implementation.

### Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Project Scoping	Existing Condition Analysis	Project development and outreach	Final Report

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### FY 2021-22 Cost and Funding Sources

**Disclaimer:** Funding listed in this narrative is draft, and subject to change. ODOT operates on a biennial budget basis. Final budget numbers for the 2021-23 budget will be approved June 30, 2021.

#### Requirements:

Personal Services	\$ 75,000
Materials & Services	\$ 150,000

<b>TOTAL</b>	<b>225,000</b>
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#### Resources:

Federal grant	\$ 225,000
Local Match	\$ 0

<b>TOTAL</b>	<b>\$ 225,000</b>
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## ODOT Region 1 Urban Arterials Assessment Strategy

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**Staff Contact:** Kristen Stallman, [Kristen.Stallman@odot.state.or.us](mailto:Kristen.Stallman@odot.state.or.us)

**Disclaimer:** This is a new planning effort ODOT is considering for fiscal year 2021-22. Due to the timing of the Agency's budget development and approval it is subject to change.

### Description

ODOT seeks to leverage its recent work program investments to improve on corridor projects identified for the 2020 Regional Investment Measure with a focus on addressing safety, transit and multi-modal needs along the region's urban arterials (state, regional and district highways). This effort will coordinate with local planning and implementation strategies and apply ODOT's Blueprint for Urban Design. This work supports ODOT and the local jurisdictions' approach to prioritize equitable and impactful investments for vulnerable users who depending on walking, biking and taking transit along corridors.

### Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Develop a project clearing recently completed, planned and gaps	Project	Draft Strategy	Continuation

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### FY 2021-22 Cost and Funding Sources

**Disclaimer:** Funding listed in this narrative is draft, and subject to change. ODOT operates on a biennial budget basis. Final budget numbers for the 2021-23 budget will be approved June 30, 2021.

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#### Requirements:

Personal Services	\$ 100,000
Materials & Services	\$ 200,000

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<b>TOTAL</b>	<b>\$ 300,000</b>
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#### Resources:

Federal grant	\$ 300,000
State Match	\$
Local Match	\$

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<b>TOTAL</b>	<b>\$ 300,000</b>
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# ODOT – Interstate 5 Columbia River (Interstate) Bridge Replacement

**Staff Contact:** Raymond Mabey, Raymond.MABEY@odot.state.or.us

## Description

The Interstate 5 Bridge over the Columbia River is a major bottleneck for freight and the public traveling across the river. Replacing the aging Interstate Bridge across the Columbia River with a seismically resilient, multimodal structure that provides improved mobility for people, goods, and services is a high priority for Oregon and Washington. In 2019, governors and legislative leadership in both states directed the Washington Department of Transportation (WSDOT) and Oregon Department of Transportation (ODOT) to launch the bi-state Interstate Bridge Replacement (IBR) program to continue this work.

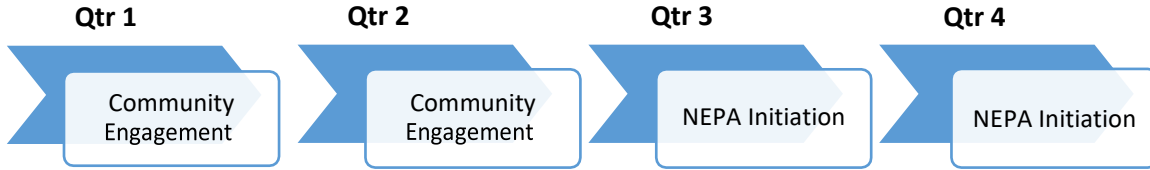
## Key Project Deliverables / Milestones

The IBR program team is actively engaging with the public, legislators, stakeholders, and partner agencies from both states to build consensus in an open and public process. Key to this process is updating the Purpose and Need Statement and establishing the community Vision and Values Statement, which are the transportation problems that need to be addressed and regional perspectives on values that should be considered in identifying a replacement alternative. The range of alternatives that meet the Purpose and Need Statement will be measured against the Vision and Values Statement to determine the best performing alternative.

The next phase of the IBR program will emphasize community engagement and technical analysis, which is some of the initial work needed to identify possible bridge replacement solutions that resolve the unaddressed needs in the current bridge. Upcoming work will focus on:

- Launching two program Advisory Groups, the Community Advisory Group and Equity Advisory Group, to support program development
- Launching a broad range of public engagement tools
- Updating the IBR program Purpose and Need
- Establishing the Community Vision and Values for the IBR program
- Begin to identify a potential range of alternatives for the IBR program
- Coordination with Federal Partners (FHWA/FTA) to begin NEPA documentation





**FY 2021-22 Cost and Funding Sources**

**Disclaimer:** Funding listed in this narrative is draft, and subject to change. ODOT operates on a biennial budget basis. Final budget numbers for the 2021-23 budget will be approved June 30, 2021

**Requirements:**

Personal Services	\$ TBD
Materials & Services	\$ TBD
<b>TOTAL</b>	<b>\$ Total Amount</b>

**Resources:**

Federal grant	\$ TBD
Local Match	\$ TBD
<b>TOTAL</b>	<b>\$ Total Amount</b>





# Local Planning of Regional Significance



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# Clackamas Connections Integrated Corridor Management

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**Staff Contact:** Bikram Raghubansh, BikramRag@clackamas.us

## Description

Clackamas Connections Integrated Corridor Management (ICM) project will develop the Concept of Operations based on Transportation System Management and Operations (TSMO) strategies around better traveler information, smarter traffic signals and efficient incident response to increase reliability. ICM results in a shared Concept of Operations that integrates agencies operationally, institutionally and technologically. This project is funded through Metro's regional TSMO program and relates to the 2020 TSMO Strategy which stems from the region's 2010-2020 TSMO Plan and 2018 RTP Goal 4, Reliability and Efficiency utilizing demand and system management strategies. This project generates recommended action for several corridors in Clackamas County, consistent with safety, equity and climate policies.

Corridors subject to the initial phase of needs analysis will be sections of Interstate 5 and along Interstate 205, Wilsonville Road, Elligsen Road, Stafford Road, 65th Avenue, Boreland Road, Willamette Falls Drive, 82nd Drive/Avenue, McLoughlin Boulevard (99E) and Highway 224 in Clackamas County. The project will be beneficial for freight drivers as they make route decisions to reach destinations in the region and beyond. It will also make use of the region's transit investments, improving operations by integrating Intelligent Transportation Systems (ITS).

This project will begin during the second quarter of FY 2020-21 and will extend to the third quarter of FY 2021-22. The project will engage a broad group of stakeholders starting with operator agencies such as TriMet, ODOT, cities within Clackamas County and others.

The following are list of Deliverables/Milestones that are scheduled to completed in FY 2020-21

- Project intergovernmental agreement signed with ODOT for project delivery FY 2020-21 Q1
- Request for Proposal (RFP) for consultant support FY 2020-21 Q2/Q3
- Project kick-off and Stakeholders engagement FY 2020-21 Q3
- Needs assessed FY 2020-21 Q4

## **Key Project Deliverables / Milestones**

<b>Qtr 1</b>	<b>Qtr 2</b>	<b>Qtr 3</b>	<b>Qtr 4</b>
Operations concept developed	Op Concept developed (cont.)	Concept	

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## **FY 2021-22 Cost and Funding Sources**

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### **Requirements:**

Personal Services	\$ 50,000
Materials & Services	\$ 150,000

<b>TOTAL</b>	<b>200,000</b>
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### **Resources:**

Federal grant	\$ 179,460
Local Match	\$ 20,540

<b>TOTAL</b>	<b>\$ 200,000</b>
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## Hillsboro - Oak and Baseline: Adams Ave – SE 10<sup>th</sup> Ave

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**Staff Contact:** Karla Antonini, [karla.antonini@hillsboro-oregon.gov](mailto:karla.antonini@hillsboro-oregon.gov)

### Description

The Oak, Baseline and 10<sup>th</sup> Avenue study will evaluate design alternatives and select a preferred design that creates an environment supporting business investment and comfortable, safe travel for all users in Downtown Hillsboro.

This project seeks to establish a clear vision on how best to improve walkability and provide safer access across the Oak/Baseline couplet, particularly at currently non-signalized intersections, which would allow the City of Hillsboro to pursue other funding opportunities proactively, or in conjunction with private development, to address these access safety deficiencies.

This project seeks to support redevelopment along the Oak/Baseline couplet by providing a more comfortable environment for residents and business customers while at the same time accommodating auto, transit, and truck traffic along the State highway. It also seeks to increase accessibility by persons using all modes of transport to priority community service destinations such as City and County offices, the Health & Education District, the 10<sup>th</sup> Avenue commercial corridor as well as the Main Street district, with its restaurants, retailers and arts and entertainment venues. The project will also enhance access to the regional light rail system located in the heart of the Downtown, as well as bus access to the TriMet Line 57 Frequent Service route, and routes 46, 47, and 48, and the Yamhill County fixed-route bus service at MAX Central Station, located one block north of the Oak-Baseline couplet.

In FY 2020-2021, Hillsboro and ODOT selected a consultant for the work. The consultant submitted draft statement of work and breakdown of costs and then those were finalized. ODOT sent the finalized statement of work and breakdown of costs to OPO and DOJ for review. Regional partners include ODOT, Metro, TriMet, and neighboring cities: Forest Grove and Cornelius and non-governmental groups will provide input throughout the planning process.

### Key Project Deliverables / Milestones

#### Qtr 1

Consultant  
~~receives~~receiv  
es notice to  
proceed

#### Qtr 2

#### Qtr 3

Consultant  
completes 30%  
of project

#### Qtr 4

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### FY 2021-22 Cost and Funding Sources

#### Requirements:

Personal Services	\$ 550,000
Materials & Services	\$ 7,227

**TOTAL 557,227**

#### Resources:

Federal grant	\$ 500,000
Local Match	\$ 57,227

**TOTAL \$ 557,227**

## Tualatin Hills Parks & Recreation District / Beaverton Creek Trail – SW Hocken Avenue Project

**Staff Contact:** René Brucker, rbrucker@thprd.org

### Description

The Beaverton Creek Trail (BCT) Project will design a 1.5-mile multi-use off-street trail that will parallel the TriMet Light Rail corridor and connect the Westside Regional Trail and SW Hocken Avenue in Beaverton. The feasibility study will identify a preferred route for the trail, preliminary cost estimates, environmental impacts, and potential mitigation issues. This project will require coordination with the Bonneville Power Administration, TriMet, Clean Water Services, Washington County, and City of Beaverton.

In 2020-2021, this project work phase will have completed the Trail Design Alternatives, the Trail Alternatives Evaluation Report, the Preferred Alternative Development and the start of the 30% Concept Plans. The proposed project, located in a high-density employment area with higher density residential to the south and east, will improve walkability and safety in four Metro-identified pedestrian corridors and will lead to an increase in non-auto trips through improved user experience. The BCT Project meets objectives identified in THPRD's Comprehensive Plan and Trail's Master Plan, the City of Beaverton's transportation Plan, the Oregon State Comprehensive Outdoor Recreation Plan that was in place at the time the project was approved, and the Oregon Statewide Planning Goals and Objectives for Recreation.

This is an ongoing project and we anticipate this phase of the project will be completed in early FY 2021-22.

### Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Finalize Concept Plans Complete Project Phase			

### FY 2021-22 Cost and Funding Sources

Requirements:		Resources:	
Personal Services	\$ 91,564	Federal grant	\$ 800,000
Materials & Services	\$ 800,000	Local Match	\$ 91,564
<b>TOTAL</b>	<b>\$ 891,564</b>	<b>TOTAL</b>	<b>\$ 891,564</b>

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## Willamette River Crossing – Feasibility Study

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**Staff Contact:** Karen Buehrig, [karenb@clackamas.us](mailto:karenb@clackamas.us)

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### Description

The purpose of this feasibility study is to identify alternative crossing locations of the Willamette River for pedestrians and bicyclists between Oregon City and the Sellwood Bridge, consistent with the Clackamas County Transportation System Plan project #2022. The project will consider alternatives north and south of Lake Oswego.

The study will begin with coordination with all of the possible project partners to develop a partner agreement. A needs analysis will then be conducted to develop the purpose and need for the Willamette River Crossing, including the entire area between Oregon City and the Sellwood Bridge. Using information from the needs analysis, criteria will be created to guide the identification and evaluation of new alternative crossing locations north and south of Lake Oswego. Alternative crossing locations will include a pedestrian/ bicycle bridge, as well as other manners of crossing the river such as a water taxi. Alternative locations and alignments will be developed and evaluated, including planning level cost estimates.

- No work was completed between July 2020- June 2021 to eliminate confusion with the Oregon City-West Linn Pedestrian/Bikeway project.
- The project will support the work of the Clackamas County Walk Bike Plan.
- The project full cost of the project is anticipated to be \$490,000 (Metro funding) and will continue into the FY 2021-22.
- The project supports the 2018 RTP policy guidance on Equity, Safety, Climate, and Congestion.

### Key Project Deliverables / Milestones

Qtr 1	Qtr 2	Qtr 3	Qtr 4
Scope of Work Development	Partner Agreement	Consultant Selection	Project Initiation

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### FY 2021-22 Cost and Funding Sources

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#### Requirements:

Personal Services	\$ 10,000
Materials & Services	\$ 240,000
<b>TOTAL</b>	<b>\$ 250,000</b>

#### Resources:

Federal grant	\$ 0
Metro Match	\$ 250,000
<b>TOTAL</b>	<b>\$ 250,000</b>



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## Red Rock Creek Trail- Alignment Study

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**Staff Contact:** Gary Pagenstecher, [garyp@tigard-or.gov](mailto:garyp@tigard-or.gov)

### Description

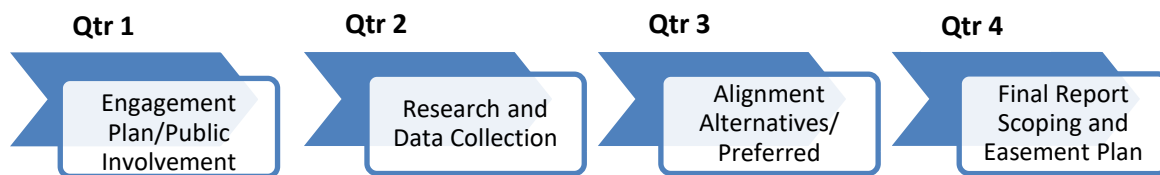
The purpose of the RRCT-Alignment Study project development grant is to fund predesign level of work so that the preferred alignment, section, preliminary design and easement requirements of the trail are available for implementation by the city and its partners during the planning and construction of future capital improvement and private development projects.

The proposed two-mile long Red Rock Creek Trail from Fanno Creek Trail to SW 64<sup>th</sup> Street will provide active transportation options in an urbanizing Metro-designated Town Center area of Tigard and overcome significant barriers to connectivity within the area. The trail is comprised of four distinct trail segments including (1) the Rail Road Crossing MUP Bridge, (2) Hunziker Core Industrial Area, (3) Hwy 217 MUP Bridge, and (4) MUP Bridge, and (4) Tigard Triangle Plan District.

Development of the Study will build on the Metro-funded Tigard Triangle Urban Renewal Equitable Development Plan, TriMet's SW Corridor LRT, and CWS's Tigard Triangle Stormwater Implementation Plan. The project is identified in the Metro Bicycle as a future proposed trail, but is located in a defined Employment/Industrial area which makes it a regionally significant UPWP study. The Study is consistent with 2018 RTP policy direction including increasing safety, transportation equity, travel options, and reducing vehicle miles traveled/GHG emissions addressing congestion and climate change.

The project is expected to run one year in FY 2021-22. A project work plan will be available this summer. For more information, please email the staff contact, above.

### Key Project Deliverables / Milestones



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### FY 2021-22 Cost and Funding Sources

#### Requirements:

Personal Services	\$ \$290,000
ODOT Delivery	\$ \$58,000

**TOTAL** \$ \$350,000

#### Resources:

Federal grant	\$ \$314,055
Local Match	\$ \$35,945

**TOTAL** \$ \$350,000





# Appendices



**2020 Federal Certification Review  
2017 USDOT Findings and 2020 Metro Response**

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
	<p><b>Recommendation 1:</b> The Federal review team recommends Metro create a corrective action plan and a certification review action team to assist in the successful resolution of corrective actions.</p>	<p>Metro continues to convene an MPO management group within the agency on a bi-monthly basis to ensure ongoing consistency with federal and state regulations and compliance with corrective actions identified through the federal certification process. This group is led by MPO managers within the Planning &amp; Development Department and includes management staff from Metro's Research Center and Communications Department who are responsible for core MPO functions.</p> <p>Metro tracks and annually updates our progress on both corrective actions and recommendations as part of our self-certification process. This self-assessment is documented in Appendix A of the 2020-21 UPWP, found here:</p> <p><a href="https://www.oregonmetro.gov/unified-planning-work-program">https://www.oregonmetro.gov/unified-planning-work-program</a></p>		

## 2020 Federal Certification Review 2017 USDOT Findings and 2020 Metro Response

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
<b>Metropolitan Transportation Plan (MTP)</b>	<p><b>Corrective Action 1:</b> By December 31, 2018, with the update of the 2018-2040 MTP, Metro must create a financial plan that meets all of the requirements of 23 CFR 450.324(f)(11), including documentation of systems-level operations and maintenance costs, the cooperative revenue estimation process, and a clear demonstration of financial constraint.</p>	<p>Metro recognizes the importance of existing asset maintenance and operations costs relative to forecasted revenues and the context this provides for spending trade-offs for these purposes relative to investing in system expansion to serve growing demand for access and mobility.</p> <p>Metro staff is investigating how to utilize existing Oregon DOT data on system conditions and forecasted maintenance costs for the National Highway System and TriMet/SMART data on transit system operations costs relative to forecasted revenues as part of the current RTP update.</p> <p>We are also monitoring the ODOT efforts to respond to mandates from recent state legislation to standardize and report on pavement management conditions for how that data can be utilized in the long-range planning process.</p> <p>Finally, we are cooperating with ODOT and are leading development within the region on implementation of</p>	12/31/2018	<p>Metro completed a forecast of reasonably expected transportation revenues and systems level costs for adequately maintaining the transportation system for the time period of the 2018 RTP in collaboration with our city, county, regional and state agency partners. This work formed the basis for demonstration of financial constraint in the RTP project solicitation.</p> <p>Metro staff participated in and utilized the cooperative statewide long-range transportation revenue forecast of federal and state generated revenues by the ODOT Long-Range Funding Workgroup. This periodic cooperative process develops statewide revenue control totals and served as the basis for Metro's 2018 regional transportation plan. The LRFA operates in a cooperative fashion among ODOT, the MPOs, and transit agencies. The group develops expected federal and state revenues, develops and agrees upon revenue growth factors, determines annual inflation rates, and general future revenue expectations (e.g. economic stability, possible impacts from macro-economic impacts (population shifts, population growth, changing funding priorities, etc.), along with a detailed analysis and forecast of future state revenues. Metro staff is also participating in the current update to the cooperative statewide long-range transportation revenue forecast for future plan updates.</p>

## 2020 Federal Certification Review 2017 USDOT Findings and 2020 Metro Response

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
		<p>MAP-21 performance measure and target setting requirements for pavement assets and will be incorporating those measures and targets into the RTP and TIP update processes.</p> <p>The current MTP update will describe the cooperative revenue estimation process that has been undertaken. Metro participated in an ODOT led statewide process to forecast state and federal revenues to the state and MPO levels.</p> <p>Metro led the regional process to forecast local transportation revenues developed within the region. How to account for the impacts of the recent state funding legislation (HB 2017) within the long-range plan is still under development with ODOT estimates of fiscal impacts.</p> <p>The 2018 RTP will demonstrate financial constraint by showing that project costs do not exceed forecasted revenues.</p>		<p>Local transportation revenues were derived from local agency Transportation System Plans (TSPs). A Regional Transportation Plan Finance work group worked with Metro staff to review funding methodologies and served as conduits to facilitate any updates to local revenue forecasts from TSP data.</p> <p>To determine transportation system maintenance and operations costs, the RTP process utilized Oregon DOT data on system conditions and forecasted maintenance costs for the National Highway System and TriMet/SMART data on transit system operations and maintenance costs. Local agency data on systems conditions and forecasted maintenance costs for the locally-owned transportation system assets was derived from local TSPs, updated by local agency staff as needed. The ability to update this data was augmented by new state requirements for local agencies to report on asset conditions in order to be eligible for new state funding provided by HB2017.</p> <p>This data on revenue forecasts and costs to maintain and operate the existing transportation system provided the basis for revenues forecasted as reasonably available for new capital projects and transportation programs. Project and program costs were forecasted in year-of-expenditure dollars by time periods and balanced to the reasonably expected revenue forecast. Tables demonstrating</p>

**2020 Federal Certification Review  
2017 USDOT Findings and 2020 Metro Response**

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
				financial constraint are provided in RTP Section 5.3. More detailed information about the forecasting assumptions, sources of funding accounted for, and process used to develop the financially constrained revenue forecast can be found in Appendix H, found here:  <a href="https://www.oregonmetro.gov/regional-transportation-plan">https://www.oregonmetro.gov/regional-transportation-plan</a>
	<b>Recommendation 2:</b> To help the public understand Metro's long-range planning processes and outcomes, the Federal review team recommends Metro: <ul style="list-style-type: none"> <li>Consider the audience and purpose of the MTP when determining structure, format, and content,</li> <li>Use plain language and visualization</li> </ul>	Metro continues to explore new ways to make our planning documents and processes more accessible to the public. In 2016, we launched our Regional Snapshot web series, and that continues to be our main forum for creating public awareness on major issues facing the region, including transportation. Our transportation snapshots have used text, photography and video to explore topics like congestion, safety, freight and affordability.  We have also made major upgrades to our website to make it simpler and more accessible to the community. We actively use social media and our Opt-in polling program to keep the		



**2020 Federal Certification Review**  
**2017 USDOT Findings and 2020 Metro Response**

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
	<p>techniques to present complex information in an easy to understand format,</p> <ul style="list-style-type: none"> <li>• Document the MTP's purpose in the introduction of the MTP, and</li> <li>• Describe the relationship between the MTP and the modal plans to help ensure the long-range plan remains multimodal and the full scope of the MTP planning process is understandable to the public.</li> </ul>	<p>public engaged on a continuous basis and connect the community to new web content.</p> <p>These web-based tools will continue to be our main focus for translating complex planning topics and using visualization techniques present our planning documents in understandable terms.</p> <p>Metro formatted the 2018 RTP and 2021-2024 MTIP for increased readability and accessibility.</p> <p>For the RTP, a high level and graphic <a href="#">summary is available</a> on the webpage. Graphics are used throughout the document. The 2018 RTP was significantly reformatted as part of this update, and includes a clear purpose statement of its federal, state and regional purpose in the introduction. Our 2018 RTP adoption also includes a summary document aimed at the broader public (<a href="#">RTP summary</a>).</p>		

**2020 Federal Certification Review**  
**2017 USDOT Findings and 2020 Metro Response**

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
		<p>Similarly, the <a href="#">Executive Summary for the 2021-2024 MTIP</a> uses accessible language and graphics to summarize the purpose and findings of the MTIP.</p> <p><a href="#">Chapter 1 of the 2021-24 MTIP</a> uses plain language to explain the role of the MTIP. Sidebars and visuals are used throughout the document to highlight information.</p> <p>We will also continue to improve the readability of our RTP, MTIP, UPWP, modal plans and other formal documents to the extent possible, given their legal and regulatory function. In most cases, we publish a summary version of these documents as an alternative for interested public and our elected officials.</p> <p>Our 2018 RTP adoption (including the associated transit, freight and safety modal plans) will include summary documents aimed at the broader public.</p> <p>The RTP will be significantly reformatted as part of this update,</p>		

## 2020 Federal Certification Review 2017 USDOT Findings and 2020 Metro Response

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
		and will also include a clear purpose statement of its federal, state and regional purpose in the introduction.		
<b>Transportation Improvement Program (TIP)</b>	<b>Corrective Action 2:</b> By July 1, 2020, with the update of the next TIP, Metro must provide clear documentation of a cooperative revenue estimation process, that ensures adequate funding is available by year to operate and maintain the system, adequate revenue is available to deliver projects on the schedule proposed in the TIP, and all other financial planning and fiscal constraint requirements	Metro will work with ODOT, the region's transit agencies, FHWA and FTA staff to document the cooperative revenue process and processes to demonstrate fiscal constraint within the TIP. This work will require the active cooperation of the agencies that administer federal funding within the region and guidance from USDOT staff on acceptable practices between Metro as the MPO and the other administrating agencies to prioritize projects for programming in the TIP and to demonstrate fiscal constraint of those projects.	7/1/2020	<p>A cooperative revenue forecasting process to determine the urban-STBG, TAP set-aside, and CMAQ funds expected to be available through the next allocation cycle was performed by ODOT's finance team and Oregon MPO staff, and is documented in the 2021-24 MTIP. See Chapter 5 pages 104-108, found here:</p> <p><a href="https://tinyurl.com/y57a22ew">https://tinyurl.com/y57a22ew</a></p> <p>Metro was also able to work with transit agency staff on the forecast of reasonably expected local transit revenues, which are also documented in the 2021-24 MTIP. The detailed fiscal constraint demonstration tables, sorted by fund and by agency, can be found in Appendix IV, pages 1-34, found here:</p> <p><a href="https://tinyurl.com/y6fotnbs">https://tinyurl.com/y6fotnbs</a></p> <p>MPOs are still struggling to effectively participate in a cooperative process under the current construct for ODOT-administered funding. When ODOT defines its</p>

**2020 Federal Certification Review**  
**2017 USDOT Findings and 2020 Metro Response**

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
	identified in 23 CFR 450.326 are met.			<p>funding allocation programs (Fix-It, Non-Highway Enhance, etc.) and distributes forecasted revenues to those allocation programs, the needs of the ODOT-owned system and the ODOT policy objectives are considered, but it is not clear how ODOT actively considers the policy objectives and comprehensive transportation needs of the metropolitan transportation systems or findings from prior MTIP cycle analyses during this process. MPOs request briefings and are given the opportunity to provide public comments. Consideration of MPO comments does not rise to the federal definition of a cooperative process in this important step of determining how ODOT-administered revenues will be distributed to their various funding allocation programs.</p> <p>Active engagement by ODOT regarding both the revenue distribution to funding allocation programs and in the selection of projects within those funding allocations is reserved for their Area Commissions on Transportation (ACTs). ACTs provide a forum for which ODOT staff proactively reach out to gather local agency and stakeholder input on various ODOT activities including the STIP, major projects, and planning activities being undertaken by ODOT.</p> <p>However, ACTs are not planning entities but are public input bodies that are not subject to federal</p>

**2020 Federal Certification Review**  
**2017 USDOT Findings and 2020 Metro Response**

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
				<p>planning or state planning rules. Furthermore, ACT and MPO geographic boundaries overlap, creating confusion among stakeholders, particularly policy/decision-makers who are active members on both the MPO and ACT committees, as to the role of the MPO in the cooperative development of the STIP/MTIP with ODOT. Despite these challenges, some areas of progress were made in the cooperative revenue estimation process during the 2021-2024 MTIP development. In Spring 2018, Metro worked with ODOT and the transit agencies to develop a Portland metropolitan region financial forecast as a starting point to frame the selection and funding allocation to take place between 2018 and 2019. While still constrained with the challenges of the ODOT construct of distributing forecasted revenues to those allocation programs, ODOT and Metro were able to come to an agreement on a forecast with a number of caveats, most significantly that the forecast did not constrain ODOT in its distribution of funds to or within the region. This information was shared at TPAC and JPACT. JPACT took action to formally acknowledge receipt of the forecast. See appendix 2021-2024 MTIP Appendix IV for the spring 2018 forecast materials.</p> <p><a href="https://tinyurl.com/y6fotnbs">https://tinyurl.com/y6fotnbs</a></p>

**2020 Federal Certification Review  
2017 USDOT Findings and 2020 Metro Response**

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
				<p>Throughout the OTC discussion of the revenue estimates and allocation of revenues to ODOT-administered funding allocation programs (Fix-It, Non-Highway Enhance, etc.) between summer 2017 to early 2018, the MPO actively commented to the OTC on the various decisions the Commission would make in shaping the STIP, about how those decisions impact the MPO areas. As part of those comment letters, Metro reiterated federal responsibilities related to cooperative development of the STIP and MTIP.</p> <p>Metro will continue to communicate to ODOT staff and the OTC on the need to actively engage with MPOs to consider the needs of the holistic transportation system within the MPO areas before defining the policy direction of their fund allocation programs and the amount and type of revenues distributed to those ODOT funding allocation programs.</p> <p>Additionally, MPOs have requested to participate in the ODOT funding allocation programs administered at the statewide level. If MPOs were provided a better understanding of an order of magnitude forecast of potentially available funds in an MPO area from these statewide funding allocation programs, MPOs could more effectively analyze and communicate MPO area priorities for those ODOT</p>

**2020 Federal Certification Review**  
**2017 USDOT Findings and 2020 Metro Response**

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
				<p>fund allocation programs. A more proactive engagement by ODOT statewide allocation programs to solicit cooperative development of their spending and communicate how they could consider MPO long-range planning goals and performance targets that are relevant to their program purpose would be helpful.</p> <p>Within Region 1, the cooperative process with ODOT in the selection of projects from ODOT allocation programs administered at the Region level was successful in that ODOT was able to provide a financial forecast for the three “Leverage” programs to add Active Transportation, Safety, or Highway elements to “Fix-It” asset management projects during the FFY 2022-2024 allocation process. The Metro MPO boundary contains a large portion of the ODOT Region 1 transportation assets, making it possible for the MPO to analyze and communicate its priorities for these ODOT funding programs. Metro worked with ODOT Region 1 staff to engage at MPO committees on its development and prioritization of the Fix-It and Leverage priorities, by having ODOT staff provide regular updates on process and progress at TPAC and JPACT and to allow for regional discussion. Through this effort, ODOT Region 1 staff were able to be proactive in engaging local agency staff in the project scoping refinement process as a</p>

**2020 Federal Certification Review  
2017 USDOT Findings and 2020 Metro Response**

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
				<p>part of the process to define and select priority projects for funding from these allocation programs.</p> <p>All TIP amendments are checked and documented to maintain financial constraint. For ongoing financial constraint of ODOT-led projects and ODOT-administered funding, Metro has instituted a new tool. Metro is now using an Advance Construction fund code programming translation matrix approach. Instead of just programming Advanced Construction to a project, Metro has created multiple Advance Construction fund type codes that contain the expected federal conversion code. Example: If the expected conversion code for Advance Construction is NHPP, then the Advance Construction fund code programmed in the MTIP is "AC-NHPP". The Advance Construction funding is committed against NHPP, enabling a more accurate fiscal constraint of major fund types to be developed and maintained. When the actual conversion code is received, a simple administrative modification occurs to identify the final fund code.</p> <p>Finally, the requirements of the FAST Act and of Oregon HB 2017 have greatly improved the understanding and documentation of adequately</p>



**2020 Federal Certification Review**  
**2017 USDOT Findings and 2020 Metro Response**

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
				<p>operating and maintaining the transportation system by ODOT, transit agencies, and local jurisdictions.</p> <p>ODOT Headquarters has begun to undertake the cooperative revenue forecast for long-range metropolitan planning. We expect this process to not only serve the needs of the long-range forecast but to provide a foundation for a better understanding of how revenues are forecasted, distributed to ODOT fund allocation programs, and then programmed in the TIP on projects. At this time, however, it is not yet clear how these two processes are coordinated.</p>
	<b>Corrective Action 3:</b> By May 27, 2018, Metro must update amendment "Exceptions" in the TIP management procedures to clearly distinguish what changes affect fiscal constraint and ensure those happen via a full amendment per 23 CFR 450.328.	The TIP amendment management procedures were updated in March 2018 to be consistent with the statewide matrix developed by ODOT and FHWA to define when a project change affects fiscal constraint. Those that do are processed as a full amendment with public notification and comment period and adoption by Metro Council resolution prior to submission for inclusion in the STIP.	5/27/2018	Compliance with this corrective action, as described in the Metro Response, continues. In addition, Chapter 8 of the 2021-2024 MTIP outlines the administration and implementation of the MTIP. The statewide matrix is included on page 203.
	<b>Recommendation 3:</b> The Federal review team recommends	The description of the purpose of the STIP, its relationship to the MTIP, how ODOT projects meet the needs of the		

**2020 Federal Certification Review  
2017 USDOT Findings and 2020 Metro Response**

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
	<p>Metro update the STIP discussion in the TIP to accurately reflect the purpose of the STIP, its relationship to Metro's TIP, and how ODOT projects meet the needs of the Metro area and how they get programmed in the TIP.</p>	<p>Metro area, and how ODOT projects get programmed in the TIP has been updated in the 2021-24 MTIP. The 2021-2024 MTIP focused more on providing a more clear-cut explanation on the role of the MTIP and how the content of the MTIP must be included in the STIP without change. This discussion is spread throughout Chapters 4 and 5 of the 2021-2024 MTIP, in efforts to organize content by partner agency in a consistent predictable manner for the reader.</p> <p>Descriptions of how ODOT projects meet the needs of the Metro area are shown as part of the results of the 2021-2024 MTIP evaluation (see Chapter 3), the discussion of the policy direction to guide the prioritization of ODOT administered funds (see Chapter 4), and in the discussion of the 2021-2024 MTIP policy direction (see Chapter 5). At certain times in the development of the 2021-2024 MTIP, the nature of how the MPO areas needs or the RTP goals were considered in the selection</p>		

**2020 Federal Certification Review**  
**2017 USDOT Findings and 2020 Metro Response**

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
		<p>of projects and programs by ODOT Region 1 is clear and direct. An example is with the ODOT Region 1 ARTS funding selection, Metro staff participated in the evaluation committee as a means of coordinating the region's safety policy priorities in the allocation. At other times in the development of the 2021-2024 MTIP, the consideration of the region's transportation needs and goals was implicit, such as with the Fix-It Leverage, where asset management drove the identification of initial priorities and the Metro region provides comments on how the metropolitan region's goals should get factored into final selection.</p> <p>Additionally, the development of the 2021-2024 MTIP had an interesting challenge as every partner agency – ODOT, SMART, and TriMet had significant staffing changes during its development. The key person working with Metro on MTIP coordination was changed and replaced with a person new to</p>		

**2020 Federal Certification Review**  
**2017 USDOT Findings and 2020 Metro Response**

Planning Topic	2017 USDOT Findings	2020 Metro Response	Corrective Actions Due Date	Certification Status (December 20, 2020)
	<p><b>Recommendation 4:</b>  The Federal review team recommends Metro clarify the Regional Flex Fund Process in the FY 2018-2021 TIP to clearly document the process and ensure Metro is not sub-allocating Federal funding to individual modes or jurisdictions.</p>	<p>Metro staff updated both the 2018-21 MTIP and the 2021-24 MTIP descriptions of the Regional Flexible Funding Allocation process of the metropolitan STBG, TAP, and CMAQ funds. It is clear from the descriptions that Metro is not sub-allocating Federal funding to individual modes or jurisdictions.</p> <p>There are no geographical or agency/jurisdictional references in the policies or process to distribute funding, other than one policy goal of “funding projects throughout the region” (with a clarifying statement quoting the CFR that sub-allocation of funds is not allowed) that is considered and balanced against other policy goals to achieve desired outcomes by decision makers.</p> <p>Funding targets designated for Active Transportation/Complete Streets and the Freight and Economic Development project categories are guidance to help achieve desired policy outcomes of equity, safety, climate emission reductions, and</p>		

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		congestion relief. Enhancements and modifications to facilities serving all modes are eligible in both categories and as evidenced by the projects funded in the most recent cycle, most projects are multi-modal and include demand and system management elements.		
	<b>Recommendation 5:</b> The Federal review team recommends Metro consider the audience(s) and purpose of the TIP so the public can easily understand the TIP's purpose, how the TIP implements the priorities identified in the MTP, and can easily find information they are looking for. Consider using plain language and visualization techniques to present the information in an easy to understand	<p>The 2021-24 MTIP utilized more plain language and incorporated more graphic and visual elements to more clearly and easily communicate the TIP purpose, process and content. It also consolidated documentation of compliance with TIP regulations in a technical appendix to help simplify the main body of the document and ease federal staff review of the TIP for meeting regulations.</p> <p>An executive summary brochure was also created and utilized this cycle for the public comment and MTIP adoption process, to further clarify the purpose and projected impacts of the MTIP, whose link can be found here:</p>		

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	format. This will help the reader understand the processes and outcomes as they read through the document.	<a href="https://tinyurl.com/y5z9ezmz">https://tinyurl.com/y5z9ezmz</a>  This complemented other efforts to make MTIP materials more public friendly, such as updated content on the website and how the public comment process was structured and approached. For example, the public comment survey for the 2021-2024 MTIP focused on communicating the results and outcomes of the MTIP investment package and asked respondents to rate the region's performance by different outcome areas.		
	<b>Commendation 1:</b> The Federal review team commends Metro and ODOT for taking initiative to review project proposals for project readiness and to address the local project delivery concern.	Metro staff will continue to work on project readiness and local project delivery issues through continuous improvement of regional reporting tools, participation in the state Certification User Group process, and if additional resources are available will conduct more in-depth risk assessment and readiness review of projects seeking RFFA funds.  Metro has worked with ODOT and the other Oregon TMA MPOs to develop		

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		<p>obligation targets and a certification process that incentivize on-time delivery of local federal-aid projects to further address this concern.</p> <p>Metro is also in the process of obtaining ODOT certification for procurement of planning services and delivery of planning products to improve our <del>capabilities</del> <u>capabilities</u> for on schedule delivery of planning activities.</p>		
<b>Congestion Management Process (CMP)</b>	<p><b>Recommendation 6:</b>  The Federal review team recommends Metro determine what are the basic requirements for CMP evaluation and monitoring and create a sustainable data collection approach that meets the CMP requirements. Metro can then determine any data needs that go above and beyond</p>	<p>Adopted by JPACT and the Metro Council as part of adoption of the 2018 Regional Transportation Plan, <a href="#">Appendix L</a> to the 2018 RTP documents the region's approach to addressing the federal transportation performance-based planning and congestion management requirements contained in the Moving Ahead for Progress in the 21st Century Act (MAP-21) and the Fixing America's Surface Transportation (FAST) Act. Appendix L also constitutes the region's official Congestion Management Process (CMP). The CMP has been updated to address recommendations from the</p>		

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	the basic requirements.	<p>2017 Federal Certification Review and to incorporate federal transportation performance measures and targets identified through MAP-21-related rulemaking. The appendix can be found here: <a href="#">Federal performance-based planning and congestion management process documentation</a></p> <p>Key updates to the CMP include:</p> <ul style="list-style-type: none"> <li>• The addition of: Table 2 (pg. 11) documenting key elements of the region's congestion management process.</li> <li>• Scaling back the CMP network to a more manageable scope for data collection, management and reporting purposes, focusing on multimodal transportation facilities and services located on the National Highway System (NHS) and the region's high capacity transit network. The NHS includes the region's interstates and some state-owned arterials and frequent and enhanced transit corridors. See Figure 4 and text on pg. 16 documenting the Congestion Management Network, and Table 4</li> </ul>		



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		<p>(pg. 24) documenting transportation data to support on-going CMP monitoring and reporting.</p> <ul style="list-style-type: none"> <li>• The addition of Table 5 (pg. 24) documenting the toolbox of strategies to address congestion in the region and Table 6 (pg. 25) documenting RTP performance measures used to forecast potential effectiveness of strategies. These measures are also used in evaluation of future MTIPs.</li> <li>• The addition of Federal MAP-21/FAST Act transportation performance measures and targets in Tables 7 to 14 (pgs. 31-34).</li> <li>• Together, the federal performance targets defined in Appendix L and regional performance targets defined in Chapter 2 of RTP reflect a comprehensive and multimodal performance-based planning approach to address growing congestion and improve mobility options for people and goods movement, while achieving a broader set of land use, economic, equity and environmental</li> </ul>		

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		<p>outcomes. This approach includes modeling tools, analysis and research combined with meaningful public engagement to help quantify and better understand the potential outcomes of policy decisions and investment actions. The framework also guides data collection, tool development and monitoring/reporting activities identified in Chapter 8 (Section 8.5) of the 2018 RTP. The updated CMP continues the region's transition to using observed data for performance monitoring consistent with federal requirements, and can be expanded in the future as data collection and resources allow. The CMP will be re-evaluated as part of scheduled updates to the RTP to respond to new requirements, information learned through monitoring activities and changes in the availability of data and tools so that they can be refined as necessary.</p> <p>As part of the TIP process, RFFA funding application questions provide</p>		

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		<p>links to relevant CMP data so the applicant can use that data in providing information about their candidate project.</p> <p>As part of the development of the 2021-2024 MTIP, Metro reported on the monitoring data and performance of the federal performance measures and targets. (See Chapter 3 and 5) The MTIP also discussed, in a qualitative manner, how the package of investments is expected to move the region towards established performance targets. This information is expected to assist with other existing conditions data as part of the CMP and inform the prioritization and allocation of funding.</p>		
	<p><b>Recommendation 7:</b> The Federal review team recommends Metro develop a congestion management plan that documents the tools and data used and how they are applied to the MTP</p>	<p><i>(This is addressed in response to Recommendation 6)</i></p>		

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	and TIP to help the public and decision-makers understand how the CMP informs Metro's processes. This plan could be an effective tool to document a complex process.			
<b>Public Participation</b>	<p><b>Corrective Action 4:</b> By January 30, 2018, Metro shall update the PPP to meet all requirements of 23 CFR 450.316 and 326(b), including:</p> <ul style="list-style-type: none"> <li>• Identification of key decision points for each major planning process where the MPO requests public comment and the explicit procedures for outreach at these milestones.</li> </ul>	<p>Metro is committed to updating the PPP to meet all requirements of 23 CFR 450.316 and 326(b).</p> <p>To meet this corrective action, Metro has decided to split its Public Engagement Guide to reflect the need for both the public's understanding of public engagement in transportation planning processes (through a Public Participation Plan) and a best practices guide for practitioners (the focus of the Public Engagement Guide). The update to the Public Engagement Guide portion of this new "split" document is expected to be completed later in 2018.</p>	3/16/2018	<p>Metro completed and posted the updated PPP for transportation planning on Jan. 30, 2019, entitled "Be involved in building a better system for getting around greater Portland." The document is published on several pages of the Metro website, including the "Public projects" page (<a href="https://oregonmetro.gov/public-projects">oregonmetro.gov/public-projects</a>). The agency's larger Public Engagement Guide is expected to be updated to incorporate this information and update other engagement practices. Metro also worked to diversify membership in its standing advisory committees during this period, introducing new community leaders as members of MPAC, and most recently to TPAC where a new stipend policy has removed financial barriers that previously limited the socioeconomic diversity in membership. Three new TPAC members and three alternates were appointed in 2020 through a application process.</p> <p>Metro's current <a href="#">Public Engagement Guide</a> includes evaluation criteria for measuring the effectiveness of</p>

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	<ul style="list-style-type: none"> <li>Specific outreach strategies to engage traditionally underserved populations.</li> <li>Criteria or process to evaluate the effectiveness of outreach processes</li> <li>In each major planning document, a demonstration of how the explicit processes and procedures identified in the PPP were followed and a summary that characterizes the extent to which public comments influenced TIP development.</li> </ul>			<p>outreach processes. The evaluation criteria can be found on pages 36 – 38.</p> <p>The two most recent planning documents, 2018 RTP update and the 2000-20 MTIP demonstrate how the explicit procedures identified in Metro’s Public Engagement Guide and the new “Be involved in building a better system for get around greater Portland” document were followed. Each plan includes a summary of engagement which explains specific activities, including those to engage traditionally underserved populations.</p> <p>For the 2018 RTP, there were nearly 19,000 touch points with community members through discussion groups, community and regional leadership forums, online surveys, committee and organization briefings and workshops—all tools prescribed in Metro’s Public Engagement Guide. (2018 RTP <a href="#">Appendix D</a>)</p> <p>Recognizing that communities of color and other historically marginalized communities are typically under-represented among online survey respondents, Metro’s engagement strategy included discussion groups with members of Russian/Slavic, youth, African Immigrant, Asian Pacific Islander, Native American, Latinx, and African American communities. In addition, community leaders were invited to participate in regional leadership forums and community leader’s forums at key points to further inform the RTP.</p>

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				<p>The projects and programs in the MTIP continue to implement feedback received through these various means. Following the adoption of the 2018 RTP, the region adopted the policy direction for the 2021-2024 MTIP, which reaffirmed the regional priorities of safety, equity, climate and congestion established in the RTP through extensive public comment. The regional policy direction was taken into account for the different funding allocations processes undertaken by each MTIP partner and Metro through its RFFA process. For the 2021-24 MTIP, Metro conducted a performance evaluation to understand if and how the MTIP package of investments are making progress toward the regional priorities defined by the RTP.</p> <p>Public comments received on the 2021-24 MTIP are summarized in Chapter 7 (<a href="#">2021-24 MTIP</a>) together with an explanation of the engagement process (a public hearing and online survey) as prescribed by Metro's Engagement Guide. The same chapter summarizes major themes from the comments and how they influenced plan development. More detail is available in MTIP <a href="#">Appendix V</a>, p. 54.</p>
	<b>Recommendation 8:</b> The Federal review team recommends Metro identify ways to make Metro's	Metro is following a protocol for removing outdated draft documents and clearly labeling document status (discussion draft, public review draft, final, etc.)		

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	website navigation easier, taking special consideration for populations that have limited skills using the Internet, and ensure all outdated draft documents are removed after final adoption occurs.	Metro is currently scoping and budgeting for an upgrade to its website server, with the project anticipated to start in early 2021. As part of this process, Metro will continue its user testing to improve navigation.		
	<b>Commendation 2:</b> The Federal review team commends Metro for providing information on their website in languages other than English. This practice enables constituents with limited English proficiency to learn how to participate in decisions that affect their community.			
<b>Consultation</b>	<b>Corrective Action 5:</b> By June 30, 2018, Metro shall develop and document a	Metro will complete this work in tandem with the current UPWP process and self-certification for 2018.	6/30/2018	Metro has continued to use the annual UPWP process as the hub for consultation across the many transportation planning projects and programs across our region.

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	formal consultation process for the MPO to meet all requirements in 23 CFR 450.316(b-e).	<p>Our goal is to more directly connect consultation to the UPWP in order to create a blanket finding for smaller projects that would therefore also be eligible for administrative amendments, thus streamlining maintenance for the UPWP. Under our proposed process, larger projects would require separate consultation from the UPWP and would be subject to a legislative amendment.</p> <p>As part of this reform, we are also seeking FHWA clarification on UPWP convening responsibilities for Metro and ODOT. Our objective is for Metro to carry this responsibility, including meeting logistics, agency notices and public notice to improve upon and streamline our current process.</p>		<p>The role of consultation in developing the UPWP is described on page 6 of the document and referenced in many of the individual project narratives:</p> <p><a href="https://www.oregonmetro.gov/unified-planning-work-program">https://www.oregonmetro.gov/unified-planning-work-program</a></p> <p>Consultation in the UPWP process is also set forth in the statewide protocols for all Oregon MPOs developed by ODOT.</p> <p>Metro's consultation with ODOT and the major transit providers in the region is more specifically set forth in a planning agreement that is updated regularly and enacted as a rolling intergovernmental agreement.</p> <p>Planning projects described in the UPWP must also conduct consultation consistent with the general framework required by the UPWP and statewide protocols. This work must be documented as part of this projects. Most notable are updates to the RTP and MTIP. Consultation in the development of the 2018 RTP can be found on page Chapter 1 (page 1-18) and referenced throughout the plan and Appendix D (Public and stakeholder engagement and consultation summary) and documented in the final public comment report</p>



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				<p>(pages 44-49), located here:</p> <p><a href="https://www.oregonmetro.gov/regional-transportation-plan">https://www.oregonmetro.gov/regional-transportation-plan</a></p> <p>Consultation done in the development of the 2021-24 Metropolitan Transportation Improvement Program is described in Chapter 7 (page 196) of the final public review draft of the document, located here:</p> <p><a href="https://www.oregonmetro.gov/metropolitan-transportation-improvement-program">https://www.oregonmetro.gov/metropolitan-transportation-improvement-program</a></p> <p>This most recent update to the MTIP followed the same consultation practices with tribes and agencies that was piloted with the 2018 RTP. In this process, participants are asked to identify process stages of MTIP and RTP updates where and how they would like information or consultation. This information is used to continually improve the consultation process in periodic updates to MTIP and RTP.</p> <p>In early 2020, Metro hired a full-time Tribal <del>Liaison</del> <u>Liaison</u> to expand our coordination and consultation with tribes across a range of Metro's activities in the region. This includes ensuring the tribes are consulted early and often in our regional transportation planning activities.</p>

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Civil Rights and Environmental Justice	<p><b>Corrective Action 6:</b> By October 1, 2018, to come into compliance with Section 504 of the Rehabilitation Act of 1973/Americans with Disabilities Act (ADA) of 1990, Metro must:</p> <ul style="list-style-type: none"> <li>Designate an employee who will serve as coordinator for Section 504 and ADA matters.</li> <li>Conduct an ADA self-evaluation that identifies universal access barriers and describes the methods to remove the barriers along with specified timelines.</li> <li>Develop a Section 504/ADA <del>nondiscriminatio</del> <del>nondiscriminatio</del> <u>n</u></li> </ul>	<p>Metro is committed to coming into full compliance with Section 504 of the Rehabilitation Act of 1973/Americans with Disabilities Act (ADA) of 1990, including:</p> <ul style="list-style-type: none"> <li>designating an employee who serves as coordinator for Section 504 and ADA Titles II and III (the Director of Human Resources will continue to be responsible for Title I) (July 2018).</li> <li>conducting an ADA self-evaluation that identifies universal access barriers and describes the methods to remove the barriers along with specified timelines was completed in July 2018. Work continues on the programs evaluation and engagement. Metro expects to publish the ADA Self-Evaluation &amp; Facilities Update Plan for Metro Regional Center in spring 2021.</li> <li>developing a Section 504/ADA nondiscrimination notice, to be posted internally and externally (for employees' and the public's information), which has been posted online and will be included</li> </ul>	10/1/2018	<p>An employee for Section 504 and ADA matters was designated before Oct. 1, 2018 (Mary Rowe, HR director). The new HR Director, Julio Garcia, holds the designation currently.</p> <p>An ADA self-evaluation that identifies universal access barriers and describes the methods to remove the barriers was completed in July 2018. Many improvements are slated as part of the building's maintenance schedule; a full <del>secified</del><u>specified</u> timeline and budget forecast was also <del>compelted</del><u>completed</u>. The development of the self-assessment and transition plan for the Metro Regional Center building included engagement of staff and the public.</p> <p>The evaluation of programs is underway-, the self-evaluation and transition plan is expected to conclude in spring 2021. This process also includes engagement with staff and the public.</p> <p>A Section 504/ADA nondiscrimination notice was developed and posted to the Metro website and included in federal documents.</p>

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	<p>n notice, to be posted internally and externally (for employees' and the public's information).</p>	<p>in planning reports and meeting agendas and posted internally in 2018 (March 2018).</p> <ul style="list-style-type: none"> <li>Metro has completed a review of the region's demographics as part of the 2015-18 MTIP and as part of the 2018 RTP. In early 2019, Metro will use American Community Survey data analysis to assess shifting demographics for communities of color and communities with lower income since the 2010 Census (January 2019).</li> </ul> <p>To inform the 2018 RTP development and adoption, the Transportation Equity Analysis will assess and contrast the benefits and burdens for EJ and non-EJ populations as part of the 2018 RTP development and adoption. This work was piloted in the 2015-18 MTIP and will continue to frame subsequent MTIP updates (December 2018)</p>		
	<p><b>Recommendation 9:</b> The Federal review team recommends Metro ensure they are addressing the</p>	<p>Currently, Metro prepares a biennial summary of community representative demographics for our MPO committees as part of its annual Title VI report to ODOT. Additionally,</p>		

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	needs of underserved populations, particularly when the demographics of the region are changing and to continue to identify how projects and programs would benefit and/or burden environmental justice (EJ) populations compared to non-EJ populations. Metro should consider using the MTP goals, objectives, and indicators as criteria for this EJ benefits and burden analysis. Metro should also review the demographic composition of the MPO Committees and explicitly document how Metro will ensure they are	<p>Metro has proposed 2-year reviews of all Metro committees as part of our Diversity Action Plan.</p> <p>While capacity constraints have limited Metro's ability to meet this reporting goal agency-wide, we intend to bring this review into the Title VI Plan for all members (rather than just community representatives) of MPO committees as part of the next update to the plan. Metro conducted a pilot processes for collecting demographic information from committee members in 2019, the next survey will occur in 2021.</p> <p>To address benefits and burdens for EJ and non-EJ populations, the 2018 RTP included a transportation equity evaluation of the financially constrained 2018 RTP investment strategy (<a href="#">Appendix E</a> - Transportation equity evaluation).</p> <p>To ensure that recent input from historically marginalized communities informed the equity assessment, and were ultimately reflected in the RTP,</p>		

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	representative of community.	<p>project staff analyzed six public engagement results from transportation-related planning efforts since 2014, focusing on what was heard from people of color and people with lower incomes. The transportation-related planning efforts included the 2014 RTP, the Southwest Corridor Plan, the Powell-Division transit and development strategy, and the early phases of the 2018 RTP development.</p> <p>A civil rights analysis of the 2021-2024 MTIP was undertaken as part of the broader 2021-2024 MTIP performance assessment. The civil rights analysis focused on the outcomes defined in the 2018 RTP transportation equity analysis, which focused on the transportation priorities identified by historically marginalized communities, namely communities of color, people with limited English proficiency, and lower-income households. The discussions of the results and formal determination of findings can be</p>		

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		found in Chapter 5 of the 2021-2024 MTIP.		
	<b>Commendation 3:</b> The Federal review team commends Metro for implementing their 2015 LEP Plan by customizing public outreach translation needs based on the geography of projects.			
	<b>Recommendation 10:</b> The Federal review team recommends Metro identify stakeholders solicited for public comments on their Title VI Plan, Title VI Analysis Reports and other federally required documentation.	<p>Metro completed a review of changing demographics in the region as part of the 2015-18 MTIP and as part of the 2018 RTP.  Metro uses ACS Data analysis to see if communities of color have shifted geographically since the 2010 Census (January 2019).</p> <p>Metro tracks participation in public comment periods for the RTP, MTIP and RFFA as well as other community engagement initiatives.  The RTP process involved community members and stakeholders through a</p>		

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		<p>variety of activities (see the <a href="#">Public and Stakeholder Engagement and Consultation summary</a>, p. 3)</p> <p>Participants were asked to provide demographic information during the following activities related to the RTP, MTIP and RFFA to help Metro know if we are hearing from a representative group of people that reflects our diverse communities and a broad range of experiences in our region:</p> <ul style="list-style-type: none"> <li>• <a href="#">2018 Regional Transportation Plan Update Online Quick Poll 1 Report</a> (October 2015)</li> <li>• <a href="#">2018 Regional Transportation Plan Comment summary Winter 2016 comment opportunity</a></li> <li>• <a href="#">2017 Public Comment Report: Priorities For our Transportation Future</a> (May 2017)</li> <li>• <a href="#">2018 Public Comment Report: Building a Shared Strategy: Priorities For our Transportation Future</a> (April 2018)</li> <li>• <a href="#">2018 Public Comment Report: Adopting a Plan of Action</a></li> <li>• <a href="#">2021-24 MTIP Appendix 5.3 2021-2024 MTIP Public Comment Report</a></li> </ul>		

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		<ul style="list-style-type: none"> <li><a href="#">Public comments on proposed projects for 2022-24 regional flexible funds (October 2019) (p. 66)</a></li> </ul> <p>Metro uses ACS Data analysis to see if communities of color have shifted geographically since the 2010 Census.</p> <p>Currently, we prepare an annual summary report of community representative demographics for our MPO committees. Metro has proposed 2-year reviews of for all Metro committees as part of our Diversity Action Plan. While capacity constraints have limited Metro's ability to meet this reporting goal agency-wide, we intend to bring this review into the Title VI Plan for MPO committees as part of the next update to the plan.</p>		
<b>Performance-Based Planning and Programming</b>	<b>Recommendation 11:</b> The Federal review team recommends Metro continue to work with ODOT and TriMet to implement Federal planning requirements for	Metro adopted our first outcomes-based Regional Transportation Plan (RTP) that relies on targets and performance measures to ensure progress toward plan goals. While the range of outcomes and correlating performance measures in the RTP are much more		



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	<p>performance-based planning and programming, including:</p> <ul style="list-style-type: none"> <li>• Discussing the new requirements, identify which processes need updating to meet new requirements and a plan for updates, data collection and sharing requirements to be ready for PBPP.</li> <li>• Making necessary connections to other performance-based plans, including Statewide Plans.</li> <li>• Further develop data needs to ensure that future MTP and TIP updates implement an</li> </ul>	<p>comprehensive than required under new federal regulations, the framework in our RTP closely matches federal requirements where they overlap.</p> <p>In late 2018, Metro will adopt our third performance-based RTP and as part of this major update to the plan, we are conducting a significant overhaul of the plan's targets and performance measures. This work is partly driven by capacity constraints within our agency, and our ability to sustainably monitor, model and report data for performance measures, and the need to align our measures with federal requirements for efficiency.</p> <p>We are still working through our approach to meeting some federal measures, and have been coordinating with ODOT and TriMet to ensure that we can collectively meet these new requirements. Because of our capacity constraints, we expect to rely heavily on ODOT</p>		

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	<p>objective-driven, performance-based planning process</p> <ul style="list-style-type: none"> <li>Updating Planning Agreements that describe how transportation planning efforts will be coordinated between the agencies and document specific roles and responsibilities each agency has in the performance of transportation planning for the region.</li> <li>Reviewing MTP and TIP project prioritization and decision-making processes and how they support a performance-based process.</li> </ul>	<p>data in the near term to meet the new requirements.</p> <p>Currently, we expect to have an initial approach and agreement on responsibilities with our agency partners this year, and on schedule to meet minimum federal requirements.</p> <p>As discussed previously, Metro and ODOT plan to follow the 2018 RTP adoption with an update to our regional mobility policy (which regulates both the RTP and the Oregon Highway Plan for the Metro region). Our goal is to continue linking our mobility policy to the 24 mobility corridors that make up our Regional Mobility Atlas, and we believe this approach strongly meets the intent of federal regulations for tailoring our performance-based planning and programming to conditions on the ground. As part of this work, we will likely fine-tune our performance targets and measures as they relate to federal requirements.</p>		

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	<ul style="list-style-type: none"> <li>Identifying a way to categorize MTP and TIP projects in a way that will assist the MPO in meeting the new performance-based planning and programming requirements.</li> <li>Reviewing publications, tools, and resources available on FHWA and FTA's websites for good practices and assistance in implementing Transportation Performance Management and PBPP.</li> </ul>	<p>This work will be completed prior to the next update to the RTP, and will either result in an amendment to the plan or will be incorporated into the 2023 update. Once the new policy has been adopted into the RTP (either through amendment or a scheduled update), it will then apply to subsequent MTIP updates.</p>		

# METRO

## Regional Transportation Planning

1 Transportation Planning	\$ 1,109,920
2 Climate Smart Implementation	\$ 13,569
3 Regional Transportation Plan Update (2023)	\$ 605,697
4 Metropolitan Transportation Improvement Plan	\$ 1,100,073
5 Air Quality Program	\$ 25,848
6 Regional Transit Program	\$ 54,274
7 Regional Mobility Policy Update	\$ 306,778
8 Regional Freight Program	\$ 159,345
9 Regional Freight Delay and Commodities Movement	\$ 222,891
10 Complete Streets Program	\$ 96,081
11 Regional Travel Options (RTO) and Safe Routes to School Program	\$ 3,852,228
12 Transportation System Management and Operations (TSMO) - Regional Mobility Program	\$ 246,642
13 Enhanced Transit Concepts Pilot Program	\$ 115,759
14 Economic Value Atlas (EVA) Implementation	\$ 287,222
Regional Transportation Planning Total:	\$ 8,196,326

## Regional Corridor/Area Planning

1 Corridor Refinement and Project Development (Investment Areas)	\$ 340,988
2 Southwest Corridor Transit Project	\$ 396,695
3 Columbia Connects	\$ 258,857
4 MAX tunnel study	\$ 40,000
5 City of Portland Transit and Equitable Development Assessment	\$ 203,696
6 Tualatin Valley Highway Transit and Development Project	\$ 848,488
Regional Corridor/Area Planning Total:	\$ 2,088,725

## Administration & Support

1 MPO Management and Services	\$ 470,145
2 Civil Rights and Environmental Justice	\$ 98,235
3 Data Management and Visualization	\$ 1,346,982
4 Economic, Demographic and Land Use Forecasting Program	\$ 377,616
5 Travel Forecast Maintenance, Development and Application	\$ 1,476,176
6 Oregon Household Travel Survey	\$ 92,072
7 Technical Assistance Program	\$ 105,479
8 Intergovernmental Agreement Fund Program	\$ 51,696
Administration & Support Total:	\$ 4,018,401

## GRAND TOTAL

## Requirements

Total Direct and Indirect Costs

\$ 1,109,920	
\$ 13,569	
\$ 605,697	
\$ 1,100,073	
\$ 25,848	
\$ 54,274	
\$ 306,778	
\$ 159,345	
\$ 222,891	
\$ 96,081	
\$ 3,852,228	
\$ 246,642	
\$ 115,759	
\$ 287,222	
\$ 8,196,326	
\$ 340,988	
\$ 396,695	
\$ 258,857	
\$ 40,000	
\$ 203,696	
\$ 848,488	
\$ 2,088,725	
\$ 470,145	
\$ 98,235	
\$ 1,346,982	
\$ 377,616	
\$ 1,476,176	
\$ 92,072	
\$ 105,479	
\$ 51,696	
\$ 4,018,401	
\$ 14,303,452	

## Resources

PL	PL Match (ODOT)	5303	5303 Match (Metro)	STBG	STBG Match (Metro)	FTA, FHWA, ODOT Discretionary Grants	FTA, FHWA, ODOT Grants Match (Metro)	Metro Direct Contribution	Local Support	Total
\$ 890,692	\$ 101,944	\$ 105,239	\$ 12,045							\$ 1,109,920
		\$ 12,175	\$ 1,393							\$ 13,569
\$ 65,028	\$ 7,443	\$ 478,464	\$ 54,762							\$ 605,697
		\$ 364,130	\$ 41,676	\$ 502,211	\$ 57,480			\$ 134,576		\$ 1,100,073
		\$ 23,193	\$ 2,655							\$ 25,848
		\$ 48,700	\$ 5,574							\$ 54,274
		\$ 275,272	\$ 31,506							\$ 306,778
				\$ 142,980	\$ 16,365					\$ 159,345
				\$ 200,000	\$ 22,891					\$ 222,891
		\$ 86,213	\$ 9,867							\$ 96,081
						\$ 3,656,869	\$ 195,359			\$ 3,852,228
				\$ 221,312	\$ 25,330					\$ 246,642
								\$ 115,759		\$ 115,759
								\$ 287,222		\$ 287,222
\$ 955,720	\$ 109,387	\$ 1,393,386	\$ 159,479	\$ 1,066,503	\$ 122,066	\$ 3,656,869	\$ 195,359	\$ 537,557	\$ -	\$ 8,196,326
				\$ 12,175	\$ 1,393			\$ 327,420		\$ 340,988
						\$ 343,048	\$ 39,263		\$ 14,384	\$ 396,695
				\$ 232,273	\$ 26,585					\$ 258,857
								\$ 40,000		\$ 40,000
						\$ 182,776	\$ 20,920			\$ 203,696
				\$ 326,622	\$ 37,383	\$ 434,727	\$ 49,756			\$ 848,488
\$ -	\$ -	\$ -	\$ -	\$ 571,070	\$ 65,361	\$ 960,551	\$ 109,939	\$ 367,420	\$ 14,384	\$ 2,088,725
		\$ 421,861	\$ 48,284							\$ 470,145
		\$ 88,146	\$ 10,089							\$ 98,235
		\$ 720,939	\$ 82,515					\$ 543,528		\$ 1,346,982
		\$ 163,434	\$ 18,706					\$ 118,591	\$ 76,885	\$ 377,616
		\$ 786,277	\$ 89,993					\$ 206,791	\$ 393,115	\$ 1,476,176
		\$ 82,616	\$ 9,456							\$ 92,072
				\$ 94,646	\$ 10,833					\$ 105,479
								\$ 51,696		\$ 51,696
\$ 1,753,267	\$ 200,669	\$ 510,007	\$ 58,373	\$ 94,646	\$ 10,833	\$ -	\$ -	\$ 920,606	\$ 470,000	\$ 4,018,401
\$ 2,708,987	\$ 310,056	\$ 1,903,393	\$ 217,852	\$ 1,732,219	\$ 198,261	\$ 4,617,420	\$ 305,298	\$ 1,825,583	\$ 484,384	\$ 14,303,452

As of 3/17/2021

# METRO

Requirements		Resources							
Total Direct and Indirect Costs		Federal-MPO Funding				Other Funding			Total
PL*		5303	STBG	FTA, FHWA, ODOT		Metro Contribution	Metro Match	Local Support	
1	Transportation Planning	\$ 917,832	\$ 800,548	\$ 105,239			\$ 12,045		\$ 917,832
2	Climate Smart Implementation	\$ 13,569		\$ 12,175			\$ 1,393		\$ 13,569
3	Regional Transportation Plan Update (2023)	\$ 605,696	\$ 72,470	\$ 478,464			\$ 54,762		\$ 605,696
4	Metropolitan Transportation Improvement Plan	\$ 1,100,073		\$ 224,246	\$ 645,200	\$ 131,115	\$ 99,512		\$ 1,100,073
5	Regional Transit Program	\$ 54,274		\$ 48,700			\$ 5,574		\$ 54,274
6	Regional Mobility Policy Update	\$ 306,778		\$ 275,272			\$ 31,506		\$ 306,778
7	Regional Freight Program	\$ 382,237		\$ 142,980	\$ 200,000		\$ 39,257		\$ 382,237
8	Complete Streets Program	\$ 96,081		\$ 86,213			\$ 9,867		\$ 96,081
9	Regional Travel Options (RTO) and Safe Routes to School Program	\$ 3,852,228			\$ 3,656,869		\$ 195,359		\$ 3,852,228
10	Transportation System Management and Operations (TSMO) – Regional Mobility Program	\$ 246,642		\$ 221,312			\$ 25,330		\$ 246,642
11	Enhanced Transit Concepts Pilot Program	\$ 115,759				\$ 115,759			\$ 115,759
12	Economic Value Atlas (EVA) Implementation	\$ 287,222				\$ 287,222			\$ 287,222
Regional Transportation Planning Total:		\$ 7,978,391	\$ 873,018	\$ 1,373,289	\$ 1,066,512	\$ 3,656,869	\$ 534,096	\$ 474,606	\$ 7,978,391
Corridor/Area Planning									
1	Corridor Refinement and Project Development (Investment Areas)	\$ 340,988		\$ 12,175		\$ 327,420	\$ 1,393		\$ 340,988
2	Southwest Corridor Transit Project	\$ 396,695			\$ 343,048		\$ 39,263	\$ 14,384	\$ 396,695
3	Columbia Connects	\$ 258,857		\$ 232,273			\$ 26,585		\$ 258,857
4	MAX tunnel study	\$ 40,000				\$ 40,000			\$ 40,000
5	City of Portland Transit and Equitable Development Assessment	\$ 203,696			\$ 182,776		\$ 20,920		\$ 203,696
6	Tualatin Valley Highway Transit and Development Project	\$ 848,489		\$ 326,622	\$ 434,727		\$ 87,140		\$ 848,489
Corridor/Area Planning Total:		\$ 2,088,726		\$ 571,070	\$ 960,551	\$ 367,420	\$ 175,301	\$ 14,384	\$ 2,088,726
Administration & Support									
1	MPO Management and Services	\$ 470,145		\$ 421,861			\$ 48,284		\$ 470,145
2	Civil Rights and Environmental Justice	\$ 98,235		\$ 88,146			\$ 10,089		\$ 98,235
3	Data Management and Visualization	\$ 1,346,982	\$ 803,454			\$ 543,528			\$ 1,346,982
4	Economic, Demographic and Land Use Forecasting Program	\$ 377,616	\$ 182,140			\$ 118,591		\$ 76,885	\$ 377,616
5	Travel Forecast Maintenance, Development and Application	\$ 1,476,176	\$ 876,270			\$ 206,791		\$ 393,115	\$ 1,476,176
6	Oregon Household Travel Survey	\$ 92,072	\$ 92,072						\$ 92,072
7	Technical Assistance Program	\$ 105,479		\$ 94,646			\$ 10,833		\$ 105,479
8	Air Quality Program	\$ 25,848		\$ 23,193			\$ 2,655		\$ 25,848
9	Intergovernmental Agreement Fund Program	\$ 51,696				\$ 51,696			\$ 51,696
Administration & Support Total:		\$ 4,044,249	\$ 1,953,936	\$ 533,200	\$ 94,646	\$ 920,606	\$ 71,861	\$ 470,000	\$ 4,044,249
GRAND TOTAL		\$ 14,111,365	\$ 2,826,954	\$ 1,906,490	\$ 1,732,228	\$ 4,617,420	\$ 1,822,121	\$ 721,768	\$ 14,111,365

\*PL includes ODOT Match  
As of 1/28/2021

If you picnic at Blue Lake or take your kids to the Oregon Zoo, enjoy symphonies at the Schnitz or auto shows at the convention center, put out your trash or drive your car – we’ve already crossed paths.

So, hello. We’re Metro – nice to meet you.

In a metropolitan area as big as Portland, we can do a lot of things better together. Join us to help the region prepare for a happy, healthy future.

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Lynn Peterson

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