Memo

Metro
600 NE Grand Ave.
Portland, OR 97232-2736

Date: Jan. 2, 2020
To: TPAC and Interested Parties
From: Caleb Winter, TSMO Program Manager, Senior Transportation Planner
Subject: TSMO Sub-allocation for FFY19-21

Memo Purpose
Share TransPort's Transportation System Management and Operations (TSMO) project recommendations from the 2019 TSMO Project Solicitation (2019-2021 MTIP).

Overview
TransPort is the Subcommittee of TPAC that plays a key role in advancing TSMO projects. TransPort updates the criteria based on the current TSMO strategy and regional policy priorities. Metro leads the TSMO solicitation and review process. TransPort recommends projects for funding.

The 2019 TSMO Project Solicitation process included these steps:
- March-July 2019 – TransPort discussed important 2018 RTP policies to develop the criteria that went into the 2019 TSMO Project Solicitation
- August-September 2019 - Solicitation and submissions
- October 2019 – Metro led the review process including screening for meeting minimum requirements, project readiness/risk review and ratings from a group of regional-level reviewers
- November 2019 - TransPort discussion, including GIS exercises to tie intersection investments to TSMO criteria
- November 2019 – Applicants provided revised requests (optional)
- December 11, 2019 – TransPort took action to unanimously recommend the projects below.

For more background, please see the application and guidance still posted at https://www.oregonmetro.gov/tsmo.

The 2019 TSMO Solicitation was based on affording projects with an estimated $4.6M in federal funds. After budget review and accounting for the TSMO program management costs for three years, Metro determined that $4.7M in federal funds is available for the 2019 TSMO Project Solicitation. Nearly $7M in requests were received ($2.3M above available funds).

During the November 13, 2019 TransPort meeting, consensus was to give each applicant the option of tightening budgets and/or scaling down the project. Most of the applicants submitted revised requests. Revised requests, plus those that were not revised, totaled $6,341,459 in requested TSMO federal funds ($1.6M above available funds).

Metro Staff created an option for TransPort to discuss at their Dec. 11 using reviewer ratings, GIS analysis of project locations and other input to help scale projects to the $4.7M of available TSMO federal funds.

Recommended Projects
TransPort recommends projects in two categories. The first involves upgrading the hardware equipment at many signalized intersections across the region with Advanced Traffic Controllers (ATCs). The second category primarily serves region-wide needs. The following describes these categories with select project details. All projects are listed at the end of this memo.

Advanced Traffic Controller Projects
These projects are located at intersections around the region and applicants provided Metro with locations. Metro compared intersections to 2019 TSMO Solicitation criteria as the basis for investment:
- Equity – fund all in 2018 RTP equity focus areas
- Safety – fund all that are at high-injury crash intersections identified by Metro or by local agency's safety plan, plus signals nearby or serving fire stations
- Reliability for people – fund all related to transit reliability as well as some additional transit-serving intersections, intersections near schools and intersections that provide a foundation for Integrated Corridor Management
- Reliability for goods movement – fund all related to Metro analysis of reliability on freight routes plus some intersections with identified freight demand
- Reliability – fund some intersections that provide a foundation for Integrated Corridor Management
- Partnerships – fund a portion of intersections in cities that are providing local matching funds

The list of lead agencies deploying ATCs is included at the end of this memo.

All Other Project Applications
PSU – PORTAL keeps the funding level close to historic levels for the next three years of enhancing and continuing the regional transportation data archive.

Metro - TSMO Program Plus provides additional support to bring onboard additional professional services to boost both the technical side and communications for the program.
- $90,000 for planning supportive of extending the 2020 TSMO Strategy update to city, county and related state planning efforts
- $30,000 for operator policy development, supportive of operator agreements, sharing agreements and similar efforts called for by the 2020 TSMO Strategy
- $100,000 for research of a range of needs to be identified in the 2020 TSMO Strategy that may include applying a racial equity lens by understanding TSMO related context around changing travelers access and needs; ranging to, Dynamic Traffic Assignment modeling, to understand performance of different operations scenarios.
- $40,000 for training, supportive of the skills desired by TSMO partners
- $48,600 for Communications supportive of TSMO partners to do their work communicating the TSMO strategies, solutions and outcomes

City of Portland - Regional Traffic Signal System Performance Measures for active transportation.

City of Portland - Traffic Signal Communications (fiber optics) for connecting signals on NE Holgate east of 82nd Ave.

Two projects received lower ratings and were ultimately lower priorities for TransPort and will not receive funding from the 2019 TSMO recommendation:
- Metro Regional Operations Asset Data ConOps: a planning project to create a virtual layer of signal and signage infrastructure.
- PBOT Rail Safety Crossing Project: batteries to help in the event of power failure.

Next Steps

The steps ahead for concluding the project recommendation process and beginning projects include:

- Metro newsfeed item announcing recommended projects
- TSMO Program staff finalize recommendation letters with conditions of approval
- Winter/Spring - Lead agencies will refine project scopes, draft IGAs, work with Metro and ODOT on MTIP/STIP programming in preparation for FHWA Obligation

Please contact me with any questions at 503-797-1758 or Caleb.Winter@oregonmetro.gov.

Lead agency	Project name	Project type	TSMO Federal Portion
City of Portland	Traffic Signal Communications	Data communications through fiber optics	$227,196
City of Portland	Local Traffic Signal Controller Replacement	ATCs	$840,435
City of Portland	Regional Traffic Signal System Performance Measures	Traffic Signal Performance Measures for Active Transportation	$619,137
Clackamas County	Clackamas County Regional ATC controller & Signal Optimization Project	ATCs in Clackamas County, Gladstone, Lake Oswego, Milwaukie, Oregon City, West Linn, Wilsonville	$735,878
Metro	Regional TSMO Program Plus	Advancements in planning, training, research and communications	$285,880
Oregon Department of Transportation	Advanced Traffic Controller (ATC) Deployment Project 99E and Tualatin Valley Highway	ATCs	$239,507

Lead agency	Project name	Project type	TSMO Federal Portion
Portland State University	Multimodal Transportation Data Archive	Data archiving and enhancements of PORTAL	$600,000
Washington County	Advanced Traffic Controller (ATC) Optimization Project	ATCs in Washington County, Beaverton, Hillsboro and Tigard	$1,151,936

Total =   *$4,700,000*