



# Memo

Date: Friday, January 31, 2020

To: Gabriela Garcia  
ODOT Region 1 STIP Coordinator  
123 NW Flanders St  
Portland, OR 97201

From: Ken Lobeck, Funding Programs Lead, 503-797-1785

Subject: January Bundle #1 MTIP Administrative Modification, #AB20-08-JAN2 Approval Request

Dear Gabriela:

In accordance with 23 CFR 450.328, Metro is submitting a Metro approved administrative modification bundle for ODOT review and approval for STIP inclusion. The January 2020 Administrative Modification #2 is under amendment number AB20-08-JAN2 and contains two projects as listed below

Proposed January 2020 Administrative Modification Bundle #2 Modification Number: AB20-08-JAN2 Total Number of Projects: 2				
ODOT Key	Lead Agency	Project Name	Description	Required Changes
Project #1 Key 19289	Metro	Transportation System Management & Operations (TSMO) Program 2018	The Transportation System Management & Operations (TSMO) program coordinates both the planning and implementation of the regions system management and operations strategies to enhance multi-modal mobility for people and goods. (RFFA Step 1 allocation PGB)	<b>SPLIT PROJECT</b> The Admin Mod splits \$200k of STBG plus match to create Clackamas County's new ITS project: Clackamas Connections Integrated Corridor Management Study.
Project #2 Key New	Clackamas County	Clackamas Connections ICM Study	The Clackamas Connections Integrated Corridor Management study will develop the concept for operations for corridor-specific TSMO improvements for real-time freeway and arterial travel by developing a Concept of Operations that integrates agencies operationally, institutionally and technologically (2016-19 TSMO + SFY 19-20 UPWP)	<b>NEW SPLIT PROJECT</b> Add new approved Clackamas Connections Integrated Corridor Management project study in support of regional TSMO goals

I certify Metro has completed all required review and approval steps as the MPO and IAW with 23 CFR 450.328 for the 2018 MTIP for this administrative modification bundle. A project narrative and support materials as applicable are also included.

Please direct any comments or questions concerning this amendment to Ken Lobeck, Funding Programs Lead at 503-797-1785, or via email at [ken.lobeck@oregonmetro.gov](mailto:ken.lobeck@oregonmetro.gov).

Thank you for your time to review Metro's January 2020 Bundle #2, 2018 MTIP Administrative Modification approval request to the 2018 MTIP and STIP.

*Kenneth F Lobeck*

Kenneth F. Lobeck  
Funding Programs Lead  
Metro  
600 NE Grand Avenue  
Portland, OR 97232

2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**Metro January 2020 Administrative Modification Bundle #2**

Modification Number: **AB20-08-JAN2** Resolution: N/A

Number of projects within this amendment: **2 total**

Project Narrative



**Proposed January 2020 Administrative Modification Bundle #2**

**Modification Number: AB20-08-JAN2**

**Total Number of Projects: 2**

ODOT Key	Lead Agency	Project Name	Description	Required Changes
Project #1 Key 19289	Metro	Transportation System Management & Operations (TSMO) Program 2018	The Transportation System Management & Operations (TSMO) program coordinates both the planning and implementation of the regions system management and operations strategies to enhance multi-modal mobility for people and goods. <b>(RFFA Step 1 allocation PGB)</b>	<b><u>SPLIT PROJECT</u></b> The Admin Mod splits \$200k of STBG plus match to create Clackamas County's new ITS project: Clackamas Connections Integrated Corridor Management Study.
Project #2 Key New	Clackamas County	Clackamas Connections ICM Study	The Clackamas Connections Integrated Corridor Management study will develop the concept for operations for corridor-specific TSMO improvements for real-time freeway and arterial travel by developing a Concept of Operations that integrates agencies operationally, institutionally and technologically (2016-19 TSMO + SFY 19-20 UPWP)	<b><u>NEW SPLIT PROJECT</u></b> Add new approved Clackamas Connections Integrated Corridor Management project study in support of regional TSMO goals

**Project Summary (#1)**

ODOT Key:	<b>19289</b>	MTIP ID:	70671
Project Type:	Existing	Completion Date:	12/31//2022
Name:	<b>Transportation System Management &amp; Operations (TSMO) Program 2018</b>		
Lead Agency:	<b>Metro</b>		
Description:	The Transportation System Management & Operations (TSMO) program coordinates both the planning and implementation of the regions system management and operations strategies to enhance multi-modal mobility for people and goods. <b>(2016-18 RFFA Step 1 allocation PGB)</b>		
Amending:	<b><u>SPLIT PROJECT</u></b> \$400k of STBG funds plus required match is being split from the TSMO project grouping bucket to create the new Clackamas Connections Integrated Corridor Management Study.		

**Project Details**

- MODIFY MTIP Short Description by adding a program funding source tag. Revised description is now:  
 “The Transportation System Management & Operations (TSMO) program coordinates both the planning and implementation of the regions system management and operations strategies to enhance multi-modal mobility for people and goods. **(2016-18 RFFA Step 1 allocation PGB)**”

**Administrative Amendment**

**Justification**

Splitting a new project out of an approved program-specific pool of funds (but not reserves for future projects) or adding funds to an existing project from a bucket or reserve if the project was selected through a specific process (i.e. ARTS, Local Bridge...)

There are no new funds added as a result of the project split

2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**Metro January 2020 Administrative Modification Bundle #2**

Modification Number: **AB20-08-JAN2** Resolution: N/A

Number of projects within this amendment: **2 total**

Project Narrative



Project Funding	Funding Change Details
<p><u>Other Phase:</u></p> <ul style="list-style-type: none"> <li>- DECREASE federal STBG-U fund type code (Z230) FY 2021 Other phase cost from \$600,000 to \$200,000</li> <li>- DECREASE Local fund type code (match to STBG) FY 2021 Other phase cost from \$68,673 to \$22,891</li> <li>- Total Other phase programming amount decreases from \$668,673 to \$222,891</li>   <li>- Total project programming decreases from \$668,134 to \$222,891</li> </ul>	<p>Amendment submission items:</p> <ul style="list-style-type: none"> <li>✓ Preliminary Meetings with ODOT Planning to develop the approved scope and budget</li> <li>✓ Approved UPWP preliminary project scope and budget</li> <li>✓ MTIP Worksheet</li> </ul> <p>Key 19282 functions as the Metro TSMO/ITS project grouping bucket with source funding from the 2016-18 Regional Flexible Fund Allocation (RFFA) Step 1 allocation. The bucket contains incubating approved TSMO/ITS projects.</p> <p>TSMO/ITS projects require additional time and effort to properly develop a complete scope of work and budget. When the scope and budget are deemed sufficiently developed to initiate development of the IGA, the project is split off from the bucket as a stand-alone project.</p> <p>The current programming for Key 19289 results in two remaining child TSMO projects. The Clackamas ICM study one of the two and is now ready to move forward as to be implemented. This Admin Mod splits the Clackamas ICM Study off from Key 19289 as a stand-alone project</p>
MTIP Review & Certification Details	
<ul style="list-style-type: none"> <li>• <b>Administrative Modification Authorized: Yes.</b> \$400k of STBG and match are being split off Key 19289 as a stand-alone project which is authorized to occur via an Administrative Modification</li> <li>• <b>Metro Legislation Required: No</b></li> <li>• <b>MTIP Eligibility Verification: Yes</b> <ul style="list-style-type: none"> <li>○ Includes federal transportation funds: <b>Yes</b></li> <li>○ Located on the Metro roadway network: No. The project is a Planning project as ins included in the approved SFY 2019-20 UPWP</li> <li>○ Provides transportation system improvement: <b>Yes</b> (as a planning project)</li> </ul> </li> <li>• <b>Considered a Regionally Significant Project: Yes.</b> The project has been amended into the current UPWP as a regionally significant planning project</li> <li>• <b>Fiscal Constraint Review and Verification: Yes.</b> The \$400k of STBG was authorized to the project as part of the 2016-2019 RFFA Step 1 allocation</li> </ul>	

2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**Metro January 2020 Administrative Modification Bundle #2**

Modification Number: **AB20-08-JAN2** Resolution: N/A

Number of projects within this amendment: **2 total**

Project Narrative



- **RTP Consistency Review: Yes**
  - **In Current RTP: Yes.** Project ID 11104 - Regional TSMO Program Investments for 2018-2027
  - **RTP Description:** Implement and maintain Transportations System Management and Operations (TSMO) investments used by multiple agencies (e.g., Central Signal System, traffic signal priority, data communications and archiving) and coordinate response to crashes. The regional program also includes strategy planning (e.g., periodic TSMO Strategy updates), coordination of activities for TransPort subcommittee to TPAC, updates to the blueprints for agency software and hardware systems (ITS Architecture), improving traveler information with live-streaming data for connected vehicle and mobile information systems (TripCheck Traveler Information Portal Enhancement), and improving “big data” processing (PSU PORTAL) to support analyzing performance measures.
  - **RTP and MTIP Costs Consistent: Yes.**
- **Considered Included in ODOT O&M RTP Project Grouping: No**
  - Bridge Rehabilitate & Repair
  - Culvert Replacement & Repair
  - Highway Pavement Maintenance
  - Safety and Operations Project
- **Project located on the National Highway System (NHS): No**
- **Capacity Enhancing Project: No:** The project is exempt per 40 CFR 93.126, Table 2 - Traffic control devices and operating assistance other than signalization projects and Other as Planning and Technical Studies
- **Satisfies 2018 RTP Goals and Strategies: Yes.** Goal #4 – Reliability and Efficiency
  - **Objective 4.2 – Travel Management**
- **Description:** Build an Increase the use of real-time data and decision-making systems to actively manage transit, freight, arterial and throughway corridors.
- **MPO Responsibilities/Public Notification included: No** Administrative Modifications are not subject to the 30 –day Public Notification/Opportunity to comment process.
- **OTC action required: No.** OTC approval was not required for this Administrative Modification
- **JPACT & Metro Council action required: No.** JPACT and Metro Council approval were not required for this Administrative Modification

2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**Metro January 2020 Administrative Modification Bundle #2**

Modification Number: **AB20-08-JAN2** Resolution: N/A

Number of projects within this amendment: **2 total**

Project Narrative



Metro		Metro		Administrative Modification SPLIT PROJECT 13th Amendment to Project				
2018-21 Metropolitan Transportation Improvement Program (MTIP) PROJECT AMENDMENT DETAIL WORKSHEET								
<b>Lead Agency:</b> Metro		Project Type:	TSMO/ITS	ODOT Key:	21283			
<b>Project Name:</b> Transportation System Management & Operations (TSMO) Program 2018		ODOT Type:	Operations	MTIP ID:	70671			
<b>Project Status:</b> 3 = (PE) Preliminary Engineering (NEPA) activities initiated		Capacity Enhancing:	No	Status:	3			
<b>Short Description:</b> The Transportation System Management & Operations (TSMO) program coordinates both the planning and implementation of the regions system management and operations strategies to enhance multi-modal mobility for people and goods. (2016-18 RFFA Step 1 allocation PGB)		Conformity Exempt:	Yes	Comp Date:	12/31/2022			
		Performance Meas:	Yes	RTP ID:	11104			
		On State Hwy Sys:	No	RFFA ID:	50206			
		Mile Post Begin:	N/A	RFFA Cycle:	2016-18			
		Mile Post End:	N/A	UPWP:	Yes			
		Length:	N/A	UPWP Cycle:	SFY 19-20			
		1st Year Program'd:	2018	Past Amend:	12			
		Years Active:	3	OTC Approval:	No			
<b>Detailed Description:</b> The Transportation System Management & Operations (TSMO) program coordinates both the planning and implementation of the regions system management and operations strategies to enhance multi-modal mobility for people and goods. The activities of this program focus on proactive management of the multi-modal transportation system through:								
<ul style="list-style-type: none"> <li>•Multi-modal traffic management strategies to reduce travel times and vehicle emissions;</li> <li>•Traveler information to help system users make informed decisions and avoid congestion; and</li> <li>•Traffic incident management to reduce crashes and delay, and improve traveler safety.</li> </ul>								
The program also supports the implementation of the region's Congestion Management Process (CMP) by implementing lower cost, high benefit operational improvements for congestion and safety; and by enhancing the region's real-time data collection capabilities in support of performance monitoring.(2016-2018 RFFA Allocation)								
<b>STIP Description:</b> The Transportation System Management & Operations (TSMO) program coordinates both the planning and implementation of the regions system management and operations strategies to enhance multi-modal mobility for people and goods.								
LAST Amendment or Admin Mod: December 2019. Admin MOD AB20-04-DEC1: FUND SWAP: Increased authorized STBG to the 2018 TSMO bucket to ensure the remaining two authorized projects are covered and include the Clackamas ITS planning project and ODOT's ITS project <u>Time between amendments or mods: 1 months</u>								
PROJECT FUNDING DETAILS								
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other	Total
<b>Federal Funds</b>								
STBG-U	2230	2021		-			\$ -600,000	
STBG-U	2230	2021					\$ 200,000	\$ 200,000
								\$ -
Note: Split \$400k for Clackamas ITS Planning project							<b>Federal Totals:</b>	\$ 200,000
<b>Fund Obligations Amount:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								
<b>State Funds</b>								
								\$ -
							<b>State Total:</b>	\$ -
<b>State Fund Obligations Amount:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								
<b>Local Funds</b>								
Local	Match	2021		-			\$ -68,673	\$ -
Local	Match	2021					\$ 22,891	\$ 22,891
								\$ -
							<b>Local Total:</b>	\$ 22,891
<b>Phase Totals Before Amend:</b>			\$ -	\$ -	\$ -	\$ -	\$ -668,673	\$ -668,673
<b>Phase Totals After Amend:</b>			\$ -	\$ -	\$ -	\$ -	\$ 222,891	\$ 222,891
<b>Year Of Expenditure (YOE):</b>								\$ 222,891

2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**Metro January 2020 Administrative Modification Bundle #2**

Modification Number: **AB20-08-JAN2** Resolution: N/A

Number of projects within this amendment: **2 total**

Project Narrative



Project Summary (#2)	
ODOT Key:	<b>NEW - TBD</b>
Project Type:	NEW
Name:	<b>Clackamas Connections ICM Study</b>
Lead Agency:	<b>Clackamas County</b>
Description:	The Clackamas Connections Integrated Corridor Management study will develop the concept for operations for corridor-specific TSMO improvements for real-time freeway and arterial travel by developing a Concept of Operations that integrates agencies operationally, institutionally and technologically (2016-18 TSMO + SFY 19-20 UPWP)
Amending:	<b><u>NEW SPLIT PROJECT</u></b> The Admin Mod adds the Clackamas Connections ICM Study by splitting it off from Key 19289.
Project Details	Administrative Amendment Justification
<ul style="list-style-type: none"> <li>- ADD Project Name: <b>Clackamas Connections ICM Study</b></li> <li>- ADD MTIP ID and STIP Key Number (once known)</li> <li>- ADD Project Type: Other (planning)</li> <li>- ADD Fiscal Constraint Category: Planning</li> <li>- ADD ODOT Work Type: Planning</li> <li>- ADD MTIP Cycle 2018-2021</li> <li>- ADD MTIP Short Description: The Clackamas Connections Integrated Corridor Management study will develop the concept for operations for corridor-specific TSMO improvements for real-time freeway and arterial travel by developing a Concept of Operations that integrates agencies operationally, institutionally and technologically (2016-19 TSMO + SFY 19-20 UPWP)</li> <li>- ADD MTIP Detailed Description: In Clackamas County, initiate the approved SFY 2019-20 UPWP Clackamas Connections project study to develop the concept for operations for corridor-specific Transportation System Management and Operations (TSMO) to improve real-time freeway and arterial travel by developing a Concept of Operations that integrates agencies operationally, institutionally and technologically. This includes TSMO strategies for better traveler information, smarter traffic signals and more effective incident response. Corridors subject to the initial phase of needs analysis will include be sections of (1) Interstates 5 and along Interstate 205, (2) Wilsonville Road, (3) Elligsen Road, (4) Stafford Road, (5) 65th Avenue, (6) Boreland Road, (7) Willamette Falls Drive, (8) 82nd Drive/Avenue, (9) McLoughlin Boulevard (99E) and (10)</li> </ul>	<p>Splitting a new project out of an approved program-specific pool of funds (but not reserves for future projects) or adding funds to an existing project from a bucket or reserve if the project was selected through a specific process (i.e. ARTS, Local Bridge...)</p> <p>There are no new funds added as a result of the project split. The STBG originates from Key 19289/</p> <p>Other related MTIP database items:</p> <ul style="list-style-type: none"> <li>- TCM: No</li> <li>- UPWP: Yes</li> <li>- UPWP Amendment required: Yes</li> <li>- UPWP Amendment Actions completed: Yes, Metro Council approved the UPWP amendment on January 9, 2020</li> <li>- UPWP Cycle: SFY 2019-20</li> <li>- Project length 14-16 months</li> <li>- Estimated completion date 12/31/2021</li> </ul>

2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**Metro January 2020 Administrative Modification Bundle #2**

Modification Number: **AB20-08-JAN2** Resolution: N/A

Number of projects within this amendment: **2 total**

Project Narrative



**Highway 224 in Clackamas County. (2016-19 TSMO allocation & amended 12/2019 into SFY 19-20 UPWP)**

- ADD RTP Name: Regional TSMO Program Investments for 2018-2027
- ADD RTP ID: 11104
- ADD RFFA ID: 50206
- ADD RFFA Cycle: 2016-18
- ADD Lead Agency: Clackamas County
- ADD Project Contact: Bikram Raghubansh

**Project Funding**

**Note: Project funding split from Key 19289 is being requested to be advanced to FY 2020 for a projected obligation to occur by August 2020**

Planning Phase:

- ADD federal STBG-U fund type code (Z230) FY 2020 Planning phase cost of \$400,000
- ADD Local fund type code (match to STBG) FY 2020 Other phase cost of \$45,782
- Total Other phase programming amount is \$445,782
- Total project programming amount is \$445,782

Funding Change Details

Amendment submission items:

- ✓ Preliminary Meetings with ODOT Planning to develop the approved scope and budget
- ✓ Approved UPWP preliminary project scope and budget
- ✓ MTIP Worksheet

Key 19282 functions as the Metro TSMO/ITS project grouping bucket with source funding from the 2016-18 Regional Flexible Fund Allocation (RFFA) Step 1 allocation. The bucket contains incubating approved TSMO/ITS projects.

The Clackamas Connections ICM project is one of two remaining approved general TSMO projects in Key 19289. Development of a sufficient project scope and budget has been occurring over the last four months. A review by the ODOT Planning Manager has determine the scope and budget are sufficiently develop to initiate development of the IGA. Stand-alone programming is now occurring in the MTIP as a result of the IGA development approval.

The project study is a needed TSMO program Study and will help the overall TSMO program develop a systematic multimodal approach to implementation, complete with performance analytics and evaluation, in accordance with multimodal mobility corridor concepts. The project study is anticipated to last 14-16 months.



2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**Metro January 2020 Administrative Modification Bundle #2**

Modification Number: **AB20-08-JAN2** Resolution: N/A

Number of projects within this amendment: **2 total**

Project Narrative



### MTIP Review & Certification Details

- **Administrative Modification Authorized: Yes.** \$400k of STBG and match are being split off Key 19289 as a stand-alone project which is authorized to occur via an Administrative Modification
- **Metro Legislation Required: No**
- **MTIP Eligibility Verification: Yes**
  - Includes federal transportation funds: **Yes**
  - Located on the Metro roadway network: No. The project is a Planning project as ins included in the approved SFY 2019-20 UPWP
  - Provides transportation system improvement: **Yes** (as a planning project)
- **Considered a Regionally Significant Project: Yes.** The project has been amended into the current UPWP as a regionally significant planning project
- **Fiscal Constraint Review and Verification: Yes.** The \$400k of STBG was authorized to the project as part of the 2016-2019 RFFA Step 1 allocation
- **RTP Consistency Review: Yes**
  - **In Current RTP: Yes.** Project ID 11104 - Regional TSMO Program Investments for 2018-2027
  - **RTP Description:** Implement and maintain Transportations System Management and Operations (TSMO) investments used by multiple agencies (e.g., Central Signal System, traffic signal priority, data communications and archiving) and coordinate response to crashes. The regional program also includes strategy planning (e.g., periodic TSMO Strategy updates), coordination of activities for TransPort subcommittee to TPAC, updates to the blueprints for agency software and hardware systems (ITS Architecture), improving traveler information with live-streaming data for connected vehicle and mobile information systems (TripCheck Traveler Information Portal Enhancement), and improving “big data” processing (PSU PORTAL) to support analyzing performance measures.
  - **RTP and MTIP Costs Consistent: Yes.**
- **Considered Included in ODOT O&M RTP Project Grouping: No**
  - Bridge Rehabilitate & Repair
  - Culvert Replacement & Repair
  - Highway Pavement Maintenance
  - Safety and Operations Project
- **Project located on the National Highway System (NHS): No**
- **Capacity Enhancing Project: No:** The project is exempt per 40 CFR 93.126, Table 2 - Traffic control devices and operating assistance other than signalization projects and Other as Planning and Technical Studies
- **Satisfies 2018 RTP Goals and Strategies: Yes.** Goal #4 – Reliability and Efficiency
  - **Objective 4.2 – Travel Management**
- **Description:** Build an Increase the use of real-time data and decision-making systems to actively manage transit, freight, arterial and throughway corridors.
- **MPO Responsibilities/Public Notification included: No** Administrative Modifications are not subject to the 30 –day Public Notification/Opportunity to comment process.
- **OTC action required: No.** OTC approval was not required for this Administrative Modification
- **JPACT & Metro Council action required: No.** JPACT and Metro Council approval were not required for this Administrative Modification

2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**Metro January 2020 Administrative Modification Bundle #2**

Modification Number: **AB20-08-JAN2** Resolution: N/A

Number of projects within this amendment: **2 total**

Project Narrative



Metro		Metro		Administrative Modification NEW SPLIT PROJECT Initial Project Programming				
2018-21 Metropolitan Transportation Improvement Program (MTIP)		PROJECT AMENDMENT DETAIL WORKSHEET						
<b>Lead Agency:</b> Clackamas County		Project Type:	Planning	ODOT Key:	New - TBD			
<b>Project Name:</b> Clackamas Connections ICM Study		ODOT Type:	Planning	MTIP ID:	New - TBD			
<b>Project Status:</b> 3 = (PE) Preliminary Engineering (NEPA) activities initiated		Capacity Enhancing:	No	Status:	1			
<b>MTIP Short Description:</b> The Clackamas Connections Integrated Corridor Management study will develop the concept for operations for corridor-specific TSMO improvements for real-time freeway and arterial travel by developing a Concept of Operations that integrates agencies operationally, institutionally and technologically (2016-19 TSMO + SFY 19-20 UPWP)		Conformity Exempt:	Yes	Comp Date:	12/31/2021			
		Performance Meas:	No	RTP ID:	11104			
		On State Hwy Sys:	No	RFFA ID:	50206			
		Mile Post Begin:	N/A	RFFA Cycle:	2016-18			
		Mile Post End:	N/A	UPWP:	Yes			
		Length:	N/A	UPWP Cycle:	SFY 19-20			
		1st Year Program'd:	2020	Past Amend:	0			
		Years Active:	1	OTC Approval:	No			
<b>MTIP Detailed Description:</b> In Clackamas County, initiate the approved SFY 2019-20 UPWP Clackamas Connections project study to develop the concept for operations for corridor-specific Transportation System Management and Operations (TSMO) to improve real-time freeway and arterial travel by developing a Concept of Operations that integrates agencies operationally, institutionally and technologically. This includes TSMO strategies for better traveler information, smarter traffic signals and more effective incident response. Corridors subject to the initial phase of needs analysis will include be sections of (1) Interstates 5 and along Interstate 205, (2) Wilsonville Road, (3) Elligsen Road, (4) Stafford Road, (5) 65th Avenue, (6) Boreland Road, (7) Willamette Falls Drive, (8) 82nd Drive/Avenue, (9) McLoughlin Boulevard (99E) and (10) Highway 224 in Clackamas County. (2016-19 TSMO allocation & amended 12/2019 into SFY 19-20 UPWP)								
STIP Description: TBD								
LAST Amendment or Admin Mod: N/A								
PROJECT FUNDING DETAILS								
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other	Total
<b>Federal Funds</b>								
STBG-U	Z230	2020	\$ 400,000					\$ 400,000
								\$ -
								\$ -
Note: Split \$400k for Clackamas ITS Planning project							<b>Federal Totals:</b>	\$ 400,000
<b>Fund Obligations Amount:</b>								
EA Number:								
Initial Obligation Date:								
<b>State Funds</b>								
								\$ -
								\$ -
							<b>State Total:</b>	\$ -
<b>State Fund Obligations Amount:</b>								
EA Number:								
Initial Obligation Date:								
<b>Local Funds</b>								
Local	Match	2020	\$ 45,782					\$ -
								\$ -
								\$ -
							<b>Local Total:</b>	\$ -
<b>Phase Totals Before Amend:</b>			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Phase Totals After Amend:</b>			\$ 445,782	\$ -	\$ -	\$ -	\$ -	\$ 445,782
<b>Year Of Expenditure (YOE):</b>								\$ 445,782

2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**Metro January 2020 Administrative Modification Bundle #2**

Modification Number: **AB20-08-JAN2** Resolution: N/A

Number of projects within this amendment: **2 total**

Project Narrative



## Council meeting agenda

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Thursday, January 9, 2020

2:00 PM

Metro Regional Center, Council chamber

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1. Call to Order and Roll Call

2. Safety Briefing

3. Public Communication

4. Resolutions

- 4.1 Resolution No. 20-5061, For the Purpose of Organizing the Metro Council and Confirming Committee Members

[RES 20-5061](#)

Attachments: [Resolution No. 20-5061](#)  
[Exhibit A to Resolution No. 20-5061](#)  
[Staff Report](#)

5. Consent Agenda

- 5.1 Resolution No. 19-5047, For the Purpose of Amending the FY 2019-20 Unified Planning Work Program (UPWP) to Add Funding For the Clackamas Corridor Management and Emerging Technology Projects

[RES 19-5047](#)

Attachments: [Resolution No. 19-5047](#)  
[Exhibit A to Resolution No. 19-5047](#)  
[Exhibit B to Resolution No. 19-5047](#)  
[Staff Report](#)

- 5.2 Resolution No. 19-5050, For the Purpose of Adding or Amending Existing Project to the 2018-21 Metropolitan Transportation Improvement Program Involving Two Projects Impacting ODOT (DC20-05-DEC2)

[RES 19-5050](#)

Attachments: [Resolution No. 19-5050](#)  
[Exhibit A to Resolution No. 19-5050](#)  
[Staff Report](#)

- 5.3 Consideration of the Council Meeting Minutes for December 12, 2019

[18-5335](#)

Attachments: [Council Meeting Minutes for December 12, 2019](#)

2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**Metro January 2020 Administrative Modification Bundle #2**

Modification Number: **AB20-08-JAN2** Resolution: N/A

Number of projects within this amendment: **2 total**

Project Narrative



BEFORE THE METRO COUNCIL

FOR THE PURPOSE OF AMENDING THE FY	)	RESOLUTION NO. 19-5047
2019-20 UNIFIED PLANNING WORK	)	
PROGRAM (UPWP) TO ADD FUNDING FOR	)	Introduced by Acting Chief Operating Officer
THE CLACKAMAS CORRIDOR	)	Andrew Scott in concurrence with Council
MANAGEMENT AND EMERGING	)	President Lynn Peterson
TECHNOLOGY PROJECTS	)	

WHEREAS, the Unified Planning Work Program (UPWP) describes all federally-funded transportation planning activities for the Portland-Vancouver metropolitan area to be conducted in FY 2019-20; and

WHEREAS, the FY 2019-20 UPWP indicates federal funding sources for transportation planning activities carried out by Metro, Southwest Washington Regional Transportation Council, TriMet, Oregon Department of Transportation (ODOT) and other local jurisdictions; and

WHEREAS, approval of the budget elements of the FY 2019-20 UPWP is required to receive federal transportation planning funds; and

WHEREAS, regional transportation funds were awarded by the Joint Policy Advisory Committee on Transportation (JPACT) and the Metro Council to Metro's Transportation System Management and Operations (TSMO) program as part of the 2016-18 Regional Flexible Fund Allocation (RFFA) process;

WHEREAS, Metro staff and the Transport Subcommittee of the Transportation Policy Advisory Committee (TPAC) subsequently held a prioritization process leading to a sub-allocation of funding for the Clackamas Corridor Management Project on January 14, 2015; and

WHEREAS, regional transportation funds were awarded by JPACT and the Metro Council to support the transition of public and non-profit agency fleets from internal combustion engine vehicle to plug in electric vehicles as part of the 2014-15 RFFA process; and

WHEREAS, the adopted 2018 Emerging Technology Strategy provides new direction for the use of funds previously allocated for advancing adoption of electric vehicles to instead more comprehensively address new technologies that have since emerged in our region and are substantially impacting our transportation system; and

WHEREAS, all federally-funded transportation planning projects for the Portland-Vancouver metropolitan area must be included in the FY 2019-20 UPWP; now therefore,

BE IT RESOLVED that the Metro Council hereby amends the FY 2019-20 UPWP to add the Clackamas Corridor Management and Emerging Technology and projects as shown in the attached Exhibits A and B.

ADOPTED by the Metro Council this 9th day of January, 2020

\_\_\_\_\_  
Lynn Peterson, Council President

Approved as to Form:

\_\_\_\_\_  
Carrie MacLaren, Metro Attorney

2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**Metro January 2020 Administrative Modification Bundle #2**

Modification Number: **AB20-08-JAN2** Resolution: N/A

Number of projects within this amendment: **2 total**

Project Narrative



FY 2019-20 Unified Planning Work Program

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## Clackamas Connections Integrated Corridor Management (ICM)

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Staff Contact: Bikram Raghubansh, BikramRag@clackamas.us

### Description

Major highways in Clackamas County are often pushed to their limit during times of peak congestion. This project will develop the concept for operations for corridor-specific Transportation System Management and Operations (TSMO) to improve real-time freeway and arterial travel by developing a Concept of Operations that integrates agencies operationally, institutionally and technologically. This includes TSMO strategies for better traveler information, smarter traffic signals and more effective incident response. Corridors subject to the initial phase of needs analysis will be sections of Interstates 5 and along Interstate 205, Wilsonville Road, Elligsen Road, Stafford Road, 65<sup>th</sup> 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 through integrated Intelligent Transportation Systems (ITS).

### Overall Objectives

- Develop a systematic multimodal approach to implementation, complete with performance measures and evaluation, in accordance with multimodal mobility corridor concepts.
- Balance mobility, safety and access considerations.
- Improve multimodal access for corridor users.
- Better manage freight mobility in the corridor.
- Leverage Intelligent Transportation System (ITS) technologies to become even more active and integrated.
- Balance state, regional, and local needs in transportation planning and operations.

### Previous Work (through June 2019)

- Previous projects to this Multimodal ICM ConOps include the I-84 Multimodal ICM study led by Metro. While the 2010-2020 TSMO Plan includes actions for mobility corridors across the region, Multimodal ICM brings those actions into a more cohesive strategy that is developed through partnership among the corridor operators.
- Clackamas County operates traffic signals for cities across the County and has expanded adaptive signals and is implementing Freight ITS in Wilsonville and the Clackamas industrial area.
- TriMet operates two MAX lines and WES Commuter Rail to the County, plus bus service throughout most of the urbanized County while Wilsonville SMART operates bus service in the southern part of the urban region. Buses are equipped with CAD/AVL systems and communications.
- Clackamas County continues to expand fiber data communication networks adding traffic monitoring cameras, variable message signs, radar traffic sensors and other technologies that create the building blocks for an integrated approach to managing a corridor that goes beyond one facility to look at a collection of multimodal facilities in a travel shed. If an incident occurs, or during a planned event, operators will be able to work in an integrated fashion to manage and mitigate impacts based on Multimodal ICM.

Exhibit A to Resolution No. 19-5047, p.1 of 3

2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**Metro January 2020 Administrative Modification Bundle #2**

Modification Number: **AB20-08-JAN2** Resolution: N/A

Number of projects within this amendment: **2 total**

Project Narrative



FY 2019-20 Unified Planning Work Program

**Methodology**

Clackamas County will serve as project manager, with support from Metro TSMO Program Manager and a project team from partner agencies. TransPort, the TSMO subcommittee to the Transportation Policy Alternatives Committee (TPAC) as a reviewers of strategies and actions that relate to region-wide capabilities. This project will follow the process for completing an Integrated Corridor Management Concept of Operations, developed in US DOT ITS JPO guidance documents.

The project will complete the following components:

- Stakeholder Participation Plan – identifying the process to generate input and support from a cross section of the public, operators, and other identified stakeholders at key points in the concept development
- System Engineering (SE) framework – preparing a structure for systems engineering
- Vision, Goals and Objectives - refining the desired vision, measurable goals and objectives for multimodal ICM corridors.
- Multimodal ICM Operational Alternatives - developing an initial set of operational alternatives to achieve the desired vision, measurable goals and objectives
- Infrastructure Improvements – comparing existing/planned assets with multimodal ICM asset requirements to identify a set of improvements
- Relationships and Procedures – identifying issues and recommending actions for multimodal ICM operations
- Final Concept of Operations – preparing a final document

Major Project Deliverables/ Milestones	
1 <sup>st</sup> Quarter	• N/A
2 <sup>nd</sup> Quarter	• Project Scoping
3 <sup>rd</sup> Quarter	• Draft Project Intergovernmental Agreement (IGA)
4 <sup>th</sup> Quarter	• Finalize Project IGA and Start Project RFP Process
Ongoing	• This project will continue in FY20/21

**Project Lead**

- Clackamas County

**Project Partners**

- Metro, ODOT, TriMet, Wilsonville, Oregon City, West Linn, Gladstone, Lake Oswego, Tualatin, Milwaukie, Happy Valley, Portland, Portland State University – Stakeholders
- TransPort – Cooperate/Collaborate
- FHWA – Cooperate/Collaborate

**FY 2019-20 Cost and Funding Sources**

Requirements:		Resources:	
Personal Services	\$ 100,781	Clackamas County	\$ 45,781
		General Fund	
Materials & Services	\$ 345,000	Metro TSMO (FHWA)	\$ 400,000
<b>TOTAL</b>	<b>\$ 445,781</b>	<b>TOTAL</b>	<b>\$ 445,781</b>