

**2018-2021 Metropolitan Transportation Improvement Program  
Exhibit A to Resolution 19-5018**



**Proposed September 2019 Formal Amendment Bundle**

**Amendment Type: Formal/Full**

**Amendment #: SP20-01-SEP**

**Total Number of Projects: 13**

ODOT Key #	MTIP ID #	Lead Agency	Project Name	Project Description	Description of Changes
Child projects being added to the Metro MPO MTIP from the ODOT Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Statewide Grant include project entries #1 - #6. ATCMTD Project #0 represents the grant matching funds project in Key 21157 which also is being updated for a construction phase obligation correction					
ATCMTD Project #0 Key 21157	71030	ODOT	I-205 Johnson Creek - Glen Jackson Phase II	Construct NB Aux lane segments from US26 (Powell Blvd) to EB I-84 and rehab improvements to impacted interchanges plus implement Advance Traffic Management System (ATMS).	<b><u>COST DECREASE:</u></b> Key 21157 acts as the approved match to the ODOT statewide Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) grant program. The construction phase obligation decrease is also being updated and reflects a 20.9% cost decrease to the project which requires a formal amendment
<b>ATCMTD Project #1 Key 21504 NEW</b>	TBD	ODOT	<b>I-205 Active Traffic Management</b>	Include ops & safety improvements that combine ATMS freeways, active traffic signal management, & performance monitoring on I-205 (ATCMTD Child)	<b><u>ADD NEW PROJECT:</u></b> K21504 provides the I-205 System test and Evaluation component to the ATMS improvements. This will include operational and safety improvements that combine Active Traffic Management (ATM) systems on freeways, active traffic signal management, and performance monitoring to reduce crashes, improve travel time reliability, safety and operations on I-205.

<b>ATCMTD Project #2 Key 21495 NEW</b>	TBD	ODOT	<b>OR212/224 Arterial Corridor Management</b>	<p>The OR212/224 Arterial Corridor Management project will implement a variety of treatments to improve safety, mobility, and reliability along the congested, industrial OR212/224 corridor in Clackamas County. ATCMTD child project</p>	<p><b><u>ADD NEW PROJECT:</u></b></p> <p>Key 21495 is a child project to the larger statewide ODOT ATCMTD grant. This project primarily includes modifications and additions to existing signalized intersections with improvements that include:</p> <ul style="list-style-type: none"> <li>(1) Upgrades up to 18 traffic signal controllers to advanced traffic controllers (ATC)</li> <li>(2) Enhanced mainline radar detection</li> <li>(3) Advance radar detection for improved freight operation</li> <li>(4) Battery back-up systems at select intersections to keep signal operational during power outages</li> <li>(5) Improved communication to traffic signals within the project corridor</li> </ul>
<b>ATCMTD Project #3 Key 21496 NEW</b>	TBD	Portland	<b>NE Airport Way Arterial Corridor Management</b>	<p>ATCMTD child project to deploy ITS infrastructure along Airport Way from 82nd Ave to Riverside Parkway. Install message signs, update signal collectors, CCTV cameras, fiber communication, etc.</p>	<p><b><u>ADD NEW PROJECT:</u></b></p> <p>Key 21496 is a child project to the larger statewide ODOT ATCMTD grant. The city of Portland will install Intelligent Transportation Systems (ITS) infrastructure along Airport Way from 82nd Avenue to Riverside Parkway. Awarded ATCMTD grants funds to this project total \$1,200,000. The match is covered in project 21157</p>
<b>ATCMTD Project #4 Key 21498 NEW</b>	TBD	TriMet	<b>TriMet Next Generation Traffic Signal Priority</b>	<p>Implement a Next Generation Transit Signal Priority System (TSP), that will allow for fast and reliable high occupancy vehicle travel in TriMet's service area (ATCMTD child)</p>	<p><b><u>ADD NEW PROJECT:</u></b></p> <p>Key 21498 is added to the MTIP as a child project from the larger ODOT statewide ATCMTD grant. TriMet will implement a software-based traffic signal preemption and priority control system. The Centralized TSP system will provide an integrated preemption and priority control solution, interfacing with the existing vehicle, network, and traffic infrastructure where supported. The system will include the following components: the core application, vehicle API and intersection API, and optional vehicle hardware.</p>

<p><b>ATCMTD Project #5 Key 21500 NEW</b></p>	TBD	Washington County	<p><b>Cornelius Pass Road Arterial Corridor Management</b></p>	<p>Implement a variety of Intelligent Transportation System (ITS) treatments to enhance safety and mobility in rural and suburban Washington County and Multnomah County (Cornelius Pass Road from US 30 to OR 8, TV Highway</p>	<p><b><u>ADD NEW PROJECT:</u></b></p> <p>Key 21500 is a ATCMTD child project that will construct just under a mile of fiber optic communication interconnect between US 26 and West Union Road, install two rural variable message signs at route decision points to warn of weather or blockage on Cornelius Pass Road, install two rural curve warning systems for locations with the most run off the road crashes, and two rural weather stations, with cameras, Bluetooth, and cellular connection to advise of weather conditions near the high elevation points on Cornelius Pass Road.</p>
<p><b>ATCMTD Project #6 21499 (#9 on Grant budget table) NEW</b></p>	TBD	Metro	<p><b>Multimodal Integrated Corridor Management Architecture</b></p>	<p>ATCMTD child project to develop standardized TSMO/ITS policies for data access and sharing plus required architecture platform supporting shared data</p>	<p><b><u>ADD NEW PROJECT (ATCMTD Child Project):</u></b></p> <p>The formal amendment adds this new child project to the larger ODOT statewide Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) grant program from Federal Highways Administration (FHWA). The Metro project is one of nine total subprojects to be implemented as part of the total grant. The Metro Multimodal Integrated Corridor Management Architecture project will support the Metro ITS Architecture Plan to develop appropriate policies and strategies supporting data sharing elements and toe recommended ITS architecture resulting in a TSMO/ITS data sharing formal policy, management procedures, partnering, reporting and evaluation leading to data sharing implementation</p>
<p><b>End of the ATCMTD Grant Projects</b></p>					

<p><b>Additional Projects Submitted as Part of the September 2019 Formal Amendment Bundle - Combining Projects</b></p>					
<p>Project #8 Key 20473</p>	71001	ODOT	OR210 Over OR217	<p>Deck overlay; replace joints; patch column spalls.</p>	<p><b><u>COMBINED PROJECT:</u></b></p> <p>OR 210 over OR 217 was initially authorized to be increased by #1 million (to the construction phase). Subsequent discussions as the amendment was in initial development phase determined that Key 20437 would be combined into Key 18841 and progress together with that project. This amendment shows the initial funding increase to the project and then corresponding d-programming action as Key 20437 is combined into Key 18841.</p>

Project #9 Key 21179	71034	ODOT	OR217: OR210 SW Scholl's Ferry Rd - SW 72nd Ave	On OR217 from about 72nd Ave to SW Scholl's Ferry Road (OR210) construct New NB auxiliary lane segments (HB2017 awarded Project \$54,000,000 original award)	<b><u>COMBINED PROJECT:</u></b> The formal amendment combines the ADVCON and local Other funds into Key 18841. Obligated and expended State funds in PE remain with Key 21179. All other funds are transferred through this amendment to Key 18841.
Project #10 Key 18841	70782	ODOT	OR217 Southbound: OR10 to OR99W	<del>OR217 from OR10 to OR99W, construct lane segments between existing aux lanes to provide a 3rd SB through lane (HB2017 Awarded Project)</del> <b>On OR217: OR10 to OR99W, construct lane segments between existing aux lanes providing a NB &amp; SB 3rd through lane, bridges refit, road rehab, and Hall Blvd widening (Combines Key 21179 and 20473 into Key 18841) (HB2017 \$44 million award)</b>	<b><u>COMBINED PROJECT:</u></b> Keys 20473 and 21179 are combined into Key 18841 for streamlined delivery, costs, and improved delivery efficiencies. The three projects also were part of the STIP Re-balancing Amendment that occurred during July 2019. However, due to the complexities of combining the three projects with the current programming, unprogrammed approved committed funds, and the additional funds to cover the cost increase, Metro requested the projects proceed via a formal amend to allow additional details about the combining effort to be included.

Additional Project Submitted as Part of the September 2019 Formal Amendment Bundle - Transit Related					
<b>Project #11</b> <b>Key</b> <b>21552</b>	TBD	SMART	<b>Bus and Bus Facilities - Rural SMART 2017</b>	Vehicle/facilities replacement and expansion	<b><u>ADD NEW PROJECT:</u></b> SMART was awarded \$555,200 in FTA Section 5339 funds from the ODOT Rural Area Discretionary Awards program. The match requirement is 16% or \$106,800. Total project cost is \$662,000. Funding will support SMART's vehicle/facilities replacement needs.
<b>Project #12</b> <b>Key</b> <b>21517</b>	TBD	TriMet	<b>TriMet Bus Replacement Award FFY2019</b>	Replacement of 13 buses. Funding shifted from ODOT Non-MPO project grouping bucket Key 21424	<b><u>ADD NEW PROJECT:</u></b> TriMet was awarded \$1,014,845 in federal transit funds from ODOT's Public Transit Division's STP Vehicle Replacement Program for bus replacement needs
<b>Project #13</b> <b>Key</b> <b>TBD</b>	TBD	TriMet	<b>TriMet Low-No Bus Program FFY 2019</b>	FFY 2019 FTA Low-No Bus Program (5339c) discretionary award to purchase zero-emission battery electric replacement buses	<b><u>ADD NEW PROJECT:</u></b> TriMet received a discretionary grant from FTA's Low or No-Emission Vehicle Program for the FFY 2019 Cycle. The grant will be used to purchase zero-emission electric replacement buses

Summary of the ODOT Statewide Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Grant Program. ODOT was awarded \$12 million total federal grant funds and will implement eight child projects with the ninth project (Key I-205 Active Traffic Management in Key 21157 acting as the matching funds project

#### BUDGET

	PROJECT 1: ODOT I-205 Active Traffic Management		PROJECT 2: ODOT OR 212/224 Arterial Corridor Management		PROJECT 3: City of Portland NW Airport Way Arterial Corridor Management		PROJECT 4: TriMet Next Generation Traffic Signal Priority		PROJECT 5: Washington County Cornelius Pass Road Arterial Corridor Management		PROJECT 6: ODOT US 97 Road Weather Management		PROJECT 7: ODOT City of Bend Colorado/Arizona Couplet ASTPM's		PROJECT 8: ODOT Oregon State Police UAS Crash Reconstruction		PROJECT 9: ODOT Multimodal Integrated Corridor Management Architecture	
	Federal	Non-Federal	Federal	Non-Federal	Federal	Non-Federal	Federal	Non-Federal	Federal	Non-Federal	Federal	Non-Federal	Federal	Non-Federal	Federal	Non-Federal	Federal	Non-Federal
Design			\$900,000		\$110,000				\$440,000	\$104,100	\$245,000		\$250,000					
Construction		\$14,000,000	\$2,425,000		\$1,040,000				\$1,160,000	\$295,200	\$2,630,000		\$480,000					
Other*							\$2,330,000	\$4,000,000		\$700,700					\$51,000		\$75,000	
Evaluation	\$25,000		\$75,000		\$50,000		\$50,000		\$50,000	\$100,000	\$125,000		\$100,000		\$39,000			
SHARE SUBTOTALS:	\$25,000	\$14,000,000	\$2,800,000	\$0	\$1,200,000	\$0	\$2,380,000	\$4,000,000	\$1,600,000	\$1,200,000	\$3,000,000	\$0	\$830,000	\$0	\$90,000	\$0	\$75,000	\$0
PROJECT TOTAL:	\$14,025,000		\$2,800,000		\$1,200,000		\$6,380,000		\$2,800,000		\$3,000,000		\$830,000		\$90,000		\$75,000	

Total Federal Contribution: \$12,000,000  
Total Non-Federal Contribution: \$19,200,000  
Total: \$31,200,000

#### ATCMTD Project #0 - Key 21157



#### Metro 2018-21 Metropolitan Transportation Improvement Program (MTIP) PROJECT AMENDMENT DETAIL WORKSHEET

**Formal Amendment  
COST DECREASE  
4th Project Amendment**

<b>Lead Agency:</b> ODOT		Project Type: TSMO/ITS		<b>ODOT Key:</b> 21157	
Project Name: I-205 Johnson Creek - Glen Jackson Phase 2		ODOT Type: ITS/Ops		<b>MTIP ID:</b> 71030	
Project Status: 8 = Post construction activities occurring (e.g. final rehab work, ITS system test and evaluation actions, etc.)		Capacity Enhancing: Yes		<b>Status:</b> 8	
Short Description: Construct NB Aux lane segments from US26 (Powell Blvd) to EB I-84, and rehab improvements to impacted interchanges, plus implement <del>Active Transportation Management System</del> (ATMS) (ATCMTD matching project)		Conformity Exempt: No		RTP ID: 11305	
		On State Hwy Sys: I-205		RFFA ID: N/A	
		Mile Post Begin: 16.20		RFFA Cycle: N/A	
		Mile Post End: 25.60		UPWP: No	
		Length: 9.4		UPWP Cycle: N/A	
		1st Year Program'd: 2018		Past Amend: 4	
		Years Active: 3		OTC Approval: No	
<p><b>Detailed Description:</b> On overall Limits of I-205 between SE Johnson Creek Blvd and across Glenn Jackson Bridge in eastern Portland, construct NB Aux lane segments from US26 (Powell Blvd) to EB I-84, and include various rehab improvements to impacted interchanges, plus implement Active Traffic Management System (ATMS) improvements including variable speed and message signs from SE Johnson Creek Blvd to across Glenn Jackson Bridge (HB2017 awarded project, \$30.7 million original award) (ODOT ATCMTD grant matching project)</p>					
<p><b>STIP Description:</b> Construct a northbound auxiliary lane (multiple segments) between US26 (Powell Boulevard) and Interstate 84, provide various noncapacity paving and rehabilitation improvements, and add Active Traffic Management System (ATMS) project improvements between the Glenn Jackson Bridge and Johnson Creek Boulevard.</p>					

PROJECT FUNDING DETAILS								
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other (ITS)	Total
<b>Federal Funds</b>								
NHPP	Z001	2018		\$ 6,732,060				\$ 6,732,060
ADVCON	ACP0	2019			\$ 4,611			\$ 4,611
<del>ADVCON</del>	<del>ACP0</del>	<del>2019</del>				<del>\$ 25,035,899</del>		
ADVCON	ACP0	2019				\$ 19,809,239		\$ 19,809,239
ADVCON	ACP0	2018					\$ 3,000,000	\$ 3,000,000
								\$ -
							<b>Federal Totals:</b>	<b>\$ 29,545,910</b>
<b>Federal Fund Obligations:</b>				\$ 632,060	\$ 4,611	\$ 19,809,239	\$ 2,766,600	Federal Aid #
<b>EA Number:</b>				PE002888	R9447000	CON04176	None	S064(059)
<b>Initial Obligation Date:</b>				11/20/2017	12/11/2018	10/18/2018	5/18/2018	
<b>State Funds</b>								
State	Match	2018		\$ 567,940				\$ 567,940
State	Match	2019			\$ 389			\$ 389
<del>State</del>	<del>Match</del>	<del>2019</del>				<del>\$ 2,112,116</del>		
State	Match	2019				\$ 1,671,176		\$ 1,671,176
								\$ -
								\$ -
							<b>State Total:</b>	<b>\$ 2,239,505</b>
<b>State Fund Obligations:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								
<b>Local Funds</b>								
								\$ -
								\$ -
							<b>Local Total</b>	<b>\$ -</b>
Phase Totals Before Amend:			\$ -	\$ 7,300,000	\$ 5,000	<del>\$ 27,148,015</del>	\$ 3,000,000	<del>\$ 37,453,015</del>
Phase Totals After Amend:			\$ -	\$ 7,300,000	\$ 5,000	\$ 21,480,415	\$ 3,000,000	\$ 31,785,415
Estimated Completion Date: 9/30/2023 Year Of Expenditure (YOE):								\$ 31,785,415

**Notes and Summary of Changes:**

Red font = prior amended funding or project details. Blue font = amended changes to funding or project details. Black font indicates no change has occurred.

**Amendment Summary:**

> **The formal amendment adjusts the construction phase to reflect the actual phase obligation amount. Key 21157 acts as the ATCMTD matching funds and was approved by FHWA. The cost decrease to the Construction phase due to the actual fund obligation totals \$5,667,600 and equals a 20.9% cost change to the project which is technically above the 20% threshold. The total project cost decreases from \$37,453,015 to \$31,785,415. The cost change requires a formal amendment to complete.**

> Estimated Completion Date: 9/30/2023 (end of ATMS post construction system test and evaluation)

> Will Performance Measurements Apply: YES

**RTP References:**

> RTP ID:11305 - I-205 Active Traffic Management

> I-Construct improvements to address recurring bottlenecks on I-205. Specific improvements as identified in operational analysis, Mobility Corridor analysis, refinement planning and Active Traffic Management Atlas.

**Fund Codes:**

> ATCMTD = Advanced Transportation and Congestion Management Technologies Deployment Initiative. ATCMTD is being used as a fund type code placeholder until the specific fund type and program code is established for the grant. As noted above, the match is covered under other specific child projects and from Key 21157.

> NHPP = federal National Highway Performance Program funds allocated to ODOT for system improvements

. ADVCON = federal Advance Construction funds used as a funding placeholder requiring the state cover the project costs until the specific federal fund type code is committed to the project.

. State = General state funds committed to the project is support of the required matching funds to the federal funds.

**Amendment Review and Development Personnel:**

> Exemption Status: Non-exempt project as aux lanes are capacity enhancing. The aux lane portion to the project is covered under RTP project ID 11370 - I-205 Northbound Auxiliary Lane Powell to I-84. The ATMS portion is exempt.

> Project is located on the NHS: Yes. I-205 is identified as part of the Eisenhower Interstate System classification on the NHS system.

> Located on the Metro Modeling network: YES. I-205 is identified as a Throughway on the Metro Motor Vehicle Network

> Regionally Significant Project: YES. Federal funded + on-system improvements

> ODOT LAL: Not Applicable.

> Project Manager or Agency Contact(s): Amer Hmidan, ODOT

> Metro MTIP Programming Manager: Ken Lobeck.

> ODOT Region 1 STIP Coordinator: Gabriela Garcia



Metro  
2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**PROJECT AMENDMENT DETAIL WORKSHEET**

**Formal Amendment**  
**ADD NEW PROJECT**  
Initial Project Programming

<b>Lead Agency: ODOT</b>					Project Type: TSMO/ITS		<b>ODOT Key: 21504</b>	
<b>Project Name: I-205 Active Traffic Management</b>					ODOT Type: ITS/Ops		<b>MTIP ID: TBD</b>	
					Capacity Enhancing: No		<b>Status: 8</b>	
<b>Project Status: 8</b> = Post construction activities occurring (e.g. final rehab work, ITS system test and evaluation actions, etc.)					Conformity Exempt: Yes		RTP ID: 11305	
					On State Hwy Sys: I-205		RFFA ID: N/A	
<b>Short Description: Include ops &amp; safety improvements that combine ATMS freeways, active traffic signal management, &amp; performance monitoring on I-205 (ATCMTD Child)</b>					Mile Post Begin: 16.20		RFFA Cycle: N/A	
					Mile Post End: 25.60		UPWP: No	
					Length: 9.4		UPWP Cycle: N/A	
			1st Year Program'd: 2020		Past Amend: 0			
			Years Active: 1		OTC Approval: No			
<b>Detailed Description: ATCMTD child project that will include operational and safety improvements that combine Active Traffic Management (ATM) systems on freeways, active traffic signal management, and performance monitoring to reduce crashes, improve travel time reliability, safety and operations on I-205 between the Glenn Jackson Bridge and the Johnson Creek Blvd structure.</b>								
<b>STIP Description: TBD</b>								
<b>PROJECT FUNDING DETAILS</b>								
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other (ITS)	Total
<b>Federal Funds</b>								
ATCMTD	Z44A	2020					\$ 25,000	\$ 25,000
ITS	QT80	2020					\$ 25,000	\$ 25,000
								\$ -
							<b>Federal Totals:</b>	<b>\$ 50,000</b>
<b>Federal Fund Obligations:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								
<b>State Funds</b>								
								\$ -
								\$ -
							<b>State Total:</b>	<b>\$ -</b>

<b>State Fund Obligations:</b>							
<b>EA Number:</b>							
<b>Initial Obligation Date:</b>							
<b>Local Funds</b>							
							\$ -
							\$ -
						<b>Local Total</b>	<b>\$ -</b>
Phase Totals Before Amend:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase Totals After Amend:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
<b>Estimated Completion Date: 9/30/2023</b>							
<b>Notes and Summary of Changes:</b>							
Red font = prior amended funding or project details. Blue font = amended changes to funding or project details. Black font indicates no change has occurred.							
<b>Amendment Summary:</b>							
> The formal amendment adds this ATCMTD grant child project that will include operational and safety improvements that combine Active Traffic Management (ATM) systems on freeways, active traffic signal management, and performance monitoring to reduce crashes, improve travel time reliability, safety and operations on I-205 between the Glenn Jackson Bridge and the Johnson Creek Blvd structure. There are a total of 9 ATCMTD grant child projects. Six of them impact the Metro MPO boundary area and are included as part of this formal amendment bundle. Matching funds originate from Key 21157 also being updated as part of this amendment bundle.							
> Estimated Completion Date: 9/30/2023							
> Will Performance Measurements Apply: YES							
<b>RTP References:</b>							
> RTP ID:11305 - I-205 Active Traffic Management							
> I-Construct improvements to address recurring bottlenecks on I-205. Specific improvements as identified in operational analysis, Mobility Corridor analysis, refinement planning and Active Traffic Management Atlas.							
<b>Fund Codes:</b>							
> ATCMTD = Advanced Transportation and Congestion Management Technologies Deployment Initiative. ATCMTD is being used as a fund type code placeholder until the specific fund type and program code is established for the grant. As noted above, the match is covered under other specific child projects and from Key 21157.							
> ITS = Intelligent Transportation System federal funds that are allocated from ODOT ITS program in support of various approved technology upgrades to manage congestion and provide increased mobility.							
<b>Amendment Review and Development Personnel:</b>							
> Exemption Status: Exempt project per 40 CFR 93.126 Table 2 - Safety - Traffic Control Devices and Operating Assistance Other than Signalization Projects							
> Project is located on the NHS: Yes. I-205 is identified as part of the Eisenhower Interstate System classification on the NHS system.							
> Located on the Metro Modeling network: YES. I-205 is identified as a Throughway on the Metro Motor Vehicle Network							
> Regionally Significant Project: YES. Federal funded + on-system improvements							
> ODOT LAL: Not Applicable.							
> Project Manager or Agency Contact(s): Amir Hmiden, ODOT							
> Metro MTIP Programming Manager: Ken Lobeck.							
> ODOT Region 1 STIP Coordinator: Gabriela Garcia							



**Metro**  
**2018-21 Metropolitan Transportation Improvement Program (MTIP)**  
**PROJECT AMENDMENT DETAIL WORKSHEET**

**Formal Amendment**  
**ADD NEW PROJECT**  
 Initial Project Programming

<b>Lead Agency: ODOT</b>			224 8.16 8.16 0.01		Project Type:	TSMO/ITS	<b>ODOT Key: 21495</b> <b>MTIP ID: TBD</b> <b>Status: 1</b> RTP ID: 11104 RFFA ID: N/A RFFA Cycle: N/A UPWP: No UPWP Cycle: N/A Past Amend: 0 OTC Approval: No	
<b>Project Name: OR212/224 Arterial Corridor Management</b>  <b>Project Status: 1</b> = Pre-first phase obligation activities (IGA development, project scoping, scoping refinement, etc.).  <b>Short Description: The project will implement a variety of treatments to improve safety, mobility, and reliability along the congested, industrial OR212/224 corridor in Clackamas County. (ATCMTD child)</b>					ODOT Type	ITS/Ops		
					Capacity Enhancing:	No		
					Conformity Exempt:	Yes		
					On State Hwy Sys:	212		
					Mile Post Begin:	3.82		
					Mile Post End:	3.82		
					Length:	0.01		
			1st Year Program'd:	2020				
			Years Active:	1				
<b>Detailed Description: On OR 212/224, the project components primarily include modifications and additions to existing signalized intersections which include: (1) Upgrading up to 18 traffic signal controllers to advanced traffic controllers (ATC), (2) Enhanced mainline radar detection, (3) Advance radar detection for improved freight operation, (4) Battery back-up systems at select intersections to keep signal operational during power outages, (5), Improved communication to traffic signals within the project corridor</b>								
<b>STIP Description:</b> Implement a variety of treatments including upgrading traffic signal controllers and enhanced radar detection to improve safety, mobility and reliability along the congested industrial OR212/224 corridor.								
<b>PROJECT FUNDING DETAILS</b>								
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other (ITS)	Total
<b>Federal Funds</b>								
ATCMTD	244A	2020		\$ 300,000				\$ 300,000
ATCMTD	244A	2021				\$ 2,425,000		\$ 2,425,000
ATCMTD	244A	2021					\$ 75,000	\$ 75,000
							<b>Federal Totals:</b>	<b>\$ 2,800,000</b>
<b>Federal Fund Obligations:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								

<b>State Funds</b>							
							\$ -
							\$ -
						<b>State Total:</b>	<b>\$ -</b>
<b>State Fund Obligations:</b>							
<b>EA Number:</b>							
<b>Initial Obligation Date:</b>							
<b>Local Funds</b>							
							\$ -
							\$ -
						<b>Local Total</b>	<b>\$ -</b>
Phase Totals Before Amend:	\$ -	<del>\$ -</del>	\$ -	<del>\$ -</del>	<del>\$ -</del>	<del>\$ -</del>	<del>\$ -</del>
Phase Totals After Amend:	\$ -	<b>\$ 300,000</b>	\$ -	<b>\$ 2,425,000</b>	<b>\$ 75,000</b>	<b>\$ 2,800,000</b>	
<b>Estimated Completion Date: 9/30/2023</b>				<b>Year Of Expenditure (YOE): \$ 2,800,000</b>			
<b>Notes and Summary of Changes:</b>							
Red font = prior amended funding or project details. Blue font = amended changes to funding or project details. Black font indicates no change has occurred.							
<b>Amendment Summary:</b>							
> The formal amendment adds \$2,800,000 of ATCMTD grant funds as a child project committed to ITS improvements on the OR212/224 corridors that will primarily involve modifications and additions to existing signalized intersections which include: (1) Upgrading up to 18 traffic signal controllers to advanced traffic controllers (ATC), (2) Enhanced mainline radar detection, (3) Advance radar detection for improved freight operation, (4) Battery back-up systems at select intersections to keep signal operational during power outages, (5), Improved communication to traffic signals within the project corridor.							
> Estimated Completion Date: 9/30/2023							
> Will Performance Measurements Apply: YES.							
<b>RTP References:</b>							
> RTP ID: 11104 - Regional TSMO Program Investments 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.							

**Fund Codes:**

> ATCMTD = Advanced Transportation and Congestion Management Technologies Deployment Initiative. ATCMTD is being used as a fund type code placeholder until the specific fund type and program code is established for the grant. As noted above, the match is covered under other specific child projects and from Key 21157.

**Amendment Review and Development Personnel:**

- > Exemption Status: Exempt project per 40 CFR 93.126, Table 2 - Safety - Traffic control devices and operating assistance other than signalization projects.
- > Project is located on the NHS: YES. OR 212/224 arterials are defined on the NHS as "Other NHS Routes"
- > Located on the Metro Modeling network: YES. They are identified as Throughways and Major Arterials in the Metro Motor Vehicle Network
- > Regionally Significant Project: YES. Federal funded + on-system improvements
- > ODOT LAL: Not Applicable.
- > Project Manager or Agency Contact(s): Kate Freitag
- > Metro MTIP Programming Manager: Ken Lobeck. > ODOT Region 1 STIP Coordinator: Gabriela Garcia



**Metro**  
**2018-21 Metropolitan Transportation Improvement Program (MTIP)**  
**PROJECT AMENDMENT DETAIL WORKSHEET**

**Formal Amendment**  
**ADD NEW PROJECT**  
 Initial Project Programming

<b>Lead Agency: Portland</b>			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Project Type:</td> <td>TSMO/ITS</td> </tr> <tr> <td>ODOT Type</td> <td>ITS/Ops</td> </tr> <tr> <td>Capacity Enhancing:</td> <td>No</td> </tr> <tr> <td>Conformity Exempt:</td> <td>Yes</td> </tr> <tr> <td>On State Hwy Sys:</td> <td>No</td> </tr> <tr> <td>Mile Post Begin:</td> <td>N/A</td> </tr> <tr> <td>Mile Post End:</td> <td>N/A</td> </tr> <tr> <td>Length:</td> <td>N/A</td> </tr> <tr> <td>1st Year Program'd:</td> <td>2020</td> </tr> <tr> <td>Years Active:</td> <td>1</td> </tr> </table>		Project Type:	TSMO/ITS	ODOT Type	ITS/Ops	Capacity Enhancing:	No	Conformity Exempt:	Yes	On State Hwy Sys:	No	Mile Post Begin:	N/A	Mile Post End:	N/A	Length:	N/A	1st Year Program'd:	2020	Years Active:	1	<b>ODOT Key: 21496</b>	
Project Type:	TSMO/ITS																									
ODOT Type	ITS/Ops																									
Capacity Enhancing:	No																									
Conformity Exempt:	Yes																									
On State Hwy Sys:	No																									
Mile Post Begin:	N/A																									
Mile Post End:	N/A																									
Length:	N/A																									
1st Year Program'd:	2020																									
Years Active:	1																									
<b>Project Name: NE Airport Way Arterial Corridor Management</b>			<b>MTIP ID: TBD</b>																							
			<b>Status: 1</b>																							
<b>Project Status: 1</b> = Pre-first phase obligation activities (IGA development, project scoping, scoping refinement, etc.).			RTP ID: 10213																							
			RFFA ID: N/A																							
			RFFA Cycle: N/A																							
			UPWP: No																							
			UPWP Cycle: N/A																							
			Past Amend: 0																							
			OTC Approval: No																							
<b>Short Description: ATCMTD child project to deploy ITS infrastructure along Airport Way from 82nd Ave to Riverside Parkway. Install message signs, update signal collectors, CCTV cameras, fiber communication, etc.</b>																										
<b>Detailed Description: One of 9 child projects from the parent ODOT ATCMTD statewide ITS grant that will install electronic message signs, update traffic signal controllers, CCTV cameras, truck priority, traffic monitoring stations, fiber communication, and integrate these devices with the City's, ODOTS, and TriMet's Transportation Operation Centers. This project is part of the larger City and Regional Advanced Traffic Management System (ATMS) objectives</b>																										
<b>STIP Description:</b> Installation of electronic message signs, update traffic signal controllers, CCTV cameras, fiber communication and other infrastructure along Airport Way from 82nd Ave to Riverside Parkway which will be integrated into the City's, ODOT's and TriMet's Transportation Operation Centers.																										
<b>PROJECT FUNDING DETAILS</b>																										
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other (ITS)	Total																		
<b>Federal Funds</b>																										
ATCMTD	Z44A	2020		\$ 110,000				\$ 110,000																		
ATCMTD	Z44A	2021				\$ 1,040,000		\$ 1,040,000																		
ATCMTD	Z44A	2021					\$ 50,000	\$ 50,000																		
							<b>Federal Totals:</b>	<b>\$ 1,200,000</b>																		
<b>Federal Fund Obligations:</b>																										
<b>EA Number:</b>																										
<b>Initial Obligation Date:</b>																										

State Funds							
							\$ -
							\$ -
						<b>State Total:</b>	<b>\$ -</b>
<b>State Fund Obligations:</b>							
<b>EA Number:</b>							
<b>Initial Obligation Date:</b>							
Local Funds							
							\$ -
							\$ -
						<b>Local Total</b>	<b>\$ -</b>
Phase Totals Before Amend:		\$ -	<del>\$ -</del>	\$ -	<del>\$ -</del>	\$ -	<del>\$ -</del>
Phase Totals After Amend:		\$ -	<b>\$ 110,000</b>	\$ -	<b>\$ 1,040,000</b>	<b>\$ 50,000</b>	<b>\$ 1,200,000</b>
<div> <div>Estimated Completion Date: 12/31/2022</div> <div>Year Of Expenditure (YOE): \$ 1,200,000</div> </div>							
<b>Notes and Summary of Changes:</b>							
Red font = prior amended funding or project details. Blue font = amended changes to funding or project details. Black font indicates no change has occurred.							
<b>Amendment Summary:</b>							
<p>&gt; The formal amendment adds the Portland NE Airport Way child project to the ODOT statewide ATCMTD \$12 million grant. Because there are nine total child projects, the required match is split among the various child projects with most credited to the I-205 ATMS project in Key 21157. The project will install electronic message signs, update traffic signal controllers, CCTV cameras, truck priority, traffic monitoring stations, fiber communication, and integrate these devices with the City's, ODOTS, and TriMet's Transportation Operation Centers. This project is part of the larger City and Regional Advanced Traffic Management System (ATMS) objectives.</p> <p>&gt; Estimated Completion Date: 12/31/2022</p> <p>&gt; Will Performance Measurements Apply: YES</p>							
<b>RTP References:</b>							
<p>&gt; RTP ID:10213 - Airport Way ITS</p> <p>&gt; RTP Description: Install ITS infrastructure (communication network, enhanced bus detection, truck priority detection, Bluetooth detection, CCTV cameras, and vehicle /pedestrian detectors). These ITS devices allow us to provide more efficient and safe operation of our traffic signal system consistent with our policies of moving people and goods more effectively.</p>							
<b>Fund Codes:</b>							
<p>&gt; ATCMTD = Advanced Transportation and Congestion Management Technologies Deployment Initiative. ATCMTD is being used as a fund type code placeholder until the specific fund type and program code is established for the grant. As noted above, the match is covered under other specific child projects and from Key 21157.</p>							

**Amendment Review and Development Personnel:**

- > Exemption Status: Exempt project per 40 CFR 93.126, Table 2 - Safety - Traffic control devices and operating assistance other than signalization projects
- > Project is located on the NHS: YES. About half of the NE Airport Way in the project limits is identified as a MAP-21 NHS Principle Arterial and/or intermodal connector
- > Located on the Metro Modeling network: YES. NE Airport Way in the project limits is identified as a Regional intermodal connector and in the eastern limit area as a Roadway Connector.
- > Regionally Significant Project: YES - ID on the network + the arterial is located in a RTP defined industrial area.
- > ODOT LAL: Not Applicable.
- > Project Manager or Agency Contact(s): Willie Rotich
- > Metro MTIP Programming Manager: Ken Lobeck.
- > ODOT Region 1 STIP Coordinator: Gabriela Garcia



Metro  
2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**PROJECT AMENDMENT DETAIL WORKSHEET**

**Formal Amendment**  
**ADD NEW PROJECT**  
Initial Project Programming

<b>Lead Agency: TriMet</b>					Project Type:	TSMO/ITS			<b>ODOT Key:</b>	<b>21498</b>
<b>Project Name:</b> TriMet Next Generation Traffic Signal Priority  <b>Project Status: 1</b> = Pre-first phase obligation activities (IGA development, project scoping, scoping refinement, etc.).  <b>Short Description:</b> Implement a Next Generation Transit Signal Priority System (TSP), that will allow for fast and reliable high occupancy vehicle travel in TriMet's service area (ATCMTD child)					ODOT Type	ITS/Ops			<b>MTIP ID:</b>	<b>TBD</b>
					Capacity Enhancing:	No			<b>Status:</b>	<b>1</b>
					Conformity Exempt:	Yes			RTP ID:	11104
					On State Hwy Sys:	No			RFFA ID:	N/A
					Mile Post Begin:	N/A			RFFA Cycle:	N/A
					Mile Post End:	N/A			UPWP:	No
					Length:	N/A			UPWP Cycle:	N/A
					1st Year Program'd:	2020			Past Amend:	0
			Years Active:	1	OTC Approval:	No				
<b>Detailed Description:</b> ATCMTD child project that will implement a software-based traffic signal preemption and priority control system. The Centralized TSP system will provide an integrated preemption and priority control solution, interfacing with the existing vehicle, network, and traffic infrastructure where supported. The system will include the following components: the core application, vehicle API and intersection API, and optional vehicle hardware.										
<b>STIP Description:</b> Implement a Next Generation Transit Signal Priority System (TSP) that allows for fast and reliable high occupancy vehicle travel in TriMet's service area.										
<b>PROJECT FUNDING DETAILS</b>										
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other (ITS)	<b>Total</b>		
<b>Federal Funds</b>										
ATCMTD	Z44A	2020					\$ 2,380,000	\$	2,380,000	
								\$	-	
							<b>Federal Totals:</b>	\$	2,380,000	
<b>Federal Fund Obligations:</b>										
<b>EA Number:</b>										
<b>Initial Obligation Date:</b>										

State Funds							
							\$ -
							\$ -
							<b>State Total: \$ -</b>
State Fund Obligations:							
EA Number:							
Initial Obligation Date:							
Local Funds							
Local	Match	2020					\$ 2,380,000 \$ 2,380,000
Other	OVM	2020					\$ 1,620,000 \$ 1,620,000
							<b>Local Total \$ 4,000,000</b>
Phase Totals Before Amend:			\$ -	\$ -	\$ -	\$ -	<del>\$ -</del> <del>\$ -</del>
Phase Totals After Amend:			\$ -	\$ -	\$ -	\$ -	<b>\$ 6,380,000 \$ 6,380,000</b>
Estimated Completion Date: 2/28/2022 Year Of Expenditure (YOE): \$ 6,380,000							
<b>Notes and Summary of Changes:</b>							
Red font = prior amended funding or project details. Blue font = amended changes to funding or project details. Black font indicates no change has occurred.							
<b>Amendment Summary:</b>							
> The formal amendment adds \$2,380,000 of ATCMTD grant funds. TriMet is providing \$4 million local matching funds. The TriMet Next Generation Signal Priority project is one of a total of nine child projects to ODOT's statewide Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) \$12 million dollar FHWA grant. The project will implement a software-based traffic signal preemption and priority control system. The Centralized TSP system will provide an integrated preemption and priority control solution, interfacing with the existing vehicle, network, and traffic infrastructure where supported. The system will include the following components: the core application, vehicle API and intersection API, and optional vehicle hardware.							
> Estimated Completion Date: 2/28/2022							
> Will Performance Measurements Apply: YES.							
<b>RTP References:</b>							
> RTP ID: 11104 - Regional TSMO Program Investments 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.							

**Fund Codes:**

- > ATCMTD = Advanced Transportation and Congestion Management Technologies Deployment Initiative. ATCMTD is being used as a fund type code placeholder until the specific fund type and program code is established for the grant. As noted above, the match is covered under other specific child projects and from Key 21157.
- > Local = General local funds provided by the lead agency as part of the required match or to cover overmatching project costs and needs.
- > Other = General local funds provided by the lead agency above the match requirement.

**Amendment Review and Development Personnel:**

- > Exemption Status: Exempt project per 40 CFR 93.126, Table 2 - Safety - Traffic control devices and operating assistance other than signalization projects.
- > Project is located on the NHS: Yes. The project implementation will be on various NHS identified routes
- > Located on the Metro Modeling network: YES. The project will implement improvement throughout the regional and be included in various identified Metro transit system routes.
- > Regionally Significant Project: YES. Federal funded + on-system improvements
- > ODOT LAL: Not Applicable.
- > Project Manager or Agency Contact(s): A.J. O'Connor
- > Metro MTIP Programming Manager: Ken Lobeck.
- > ODOT Region 1 STIP Coordinator: Gabriela Garcia



Metro  
2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**PROJECT AMENDMENT DETAIL WORKSHEET**

**Formal Amendment**  
**ADD NEW PROJECT**  
Initial Project Programming

<b>Lead Agency: Washington County</b>					Project Type:	TSMO/ITS			<b>ODOT Key:</b>	<b>21500</b>
<b>Project Name:</b> Cornelius Pass Road Arterial Corridor Management  <b>Project Status: 1</b> = Pre-first phase obligation activities (IGA development, project scoping, scoping refinement, etc.).  <b>Short Description:</b> Implement a variety of ITS treatments to enhance safety and mobility in rural and suburban Washington County and Multnomah County (Cornelius Pass Road from US 30 to OR 8, TV Highway) (ATCMTD child)					ODOT Type	ITS/Ops			<b>MTIP ID:</b>	<b>TBD</b>
					Capacity Enhancing:	No			<b>Status:</b>	<b>1</b>
					Conformity Exempt:	Yes			RTP ID:	11104
					On State Hwy Sys:	No			RFFA ID:	N/A
					Mile Post Begin:	N/A			RFFA Cycle:	N/A
					Mile Post End:	N/A			UPWP:	No
					Length:	N/A			UPWP Cycle:	N/A
			1st Year Program'd:	2020	Past Amend:	0	OTC Approval:	No		
			Years Active:	1						
<b>Detailed Description:</b> ATCMTD child project that will implement just under a mile of fiber optic communication interconnect between US 26 and West Union Road, two rural variable message signs at route decision points to warn of weather or blockage on Cornelius Pass Road, two rural curve warning systems for locations with the most run off the road crashes, and two rural weather stations, with cameras, Bluetooth, and cellular connection to advise of weather conditions near the high elevation points on Cornelius Pass Road.										
<b>STIP Description:</b> TBD										
PROJECT FUNDING DETAILS										
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other (ITS)	<b>Total</b>		
<b>Federal Funds</b>										
ATCMTD	Z44A	2020		\$ 440,000				\$	440,000	
ATCMTD	Z44A	2021				\$ 1,160,000		\$	1,160,000	
							<b>Federal Totals:</b>	\$	1,600,000	
<b>Federal Fund Obligations:</b>										
<b>EA Number:</b>										
<b>Initial Obligation Date:</b>										

State Funds								
							\$	-
							\$	-
							State Total:	\$ -
State Fund Obligations:								
EA Number:								
Initial Obligation Date:								
Local Funds								
Local	Match	2020		\$ 104,100			\$	104,100
Local	Match	2021				\$ 295,200	\$	295,200
Other	OVM	2021					\$ 800,700	\$ 800,700
							Local Total	\$ 1,200,000
Phase Totals Before Amend:			\$ -	<del>\$</del>	\$ -	<del>\$</del>	<del>\$</del>	<del>\$</del>
Phase Totals After Amend:			\$ -	\$ 544,100	\$ -	\$ 1,455,200	\$ 800,700	\$ 2,800,000
Estimated Completion Date: 12/31/2022 Year Of Expenditure (YOE): \$ 2,800,000								
<b>Notes and Summary of Changes:</b>								
Red font = prior amended funding or project details. Blue font = amended changes to funding or project details. Black font indicates no change has occurred.								
<b>Amendment Summary:</b>								
> The formal amendment adds \$1,600,000 of ATCMTD grant funds. Washington is providing \$1,200,000 in local matching funds. The remaining match support will originate from Key 21157. Components to be constructed are just under a mile of fiber optic communication interconnect between US 26 and West Union Road, two rural variable message signs at route decision points to warn of weather or blockage on Cornelius Pass Road, two rural curve warning systems for locations with the most run off the road crashes, and two rural weather stations, with cameras, Bluetooth, and cellular connection to advise of weather conditions near the high elevation points on Cornelius Pass Road.								
> Estimated Completion Date: 12/31/2022								
> Will Performance Measurements Apply: YES.								

**RTP References:**

- > RTP ID: 11104 - Regional TSMO Program Investments 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.

**Fund Codes:**

- > ATCMTD = Advanced Transportation and Congestion Management Technologies Deployment Initiative. ATCMTD is being used as a fund type code placeholder until the specific fund type and program code is established for the grant. As noted above, the match is covered under other specific child projects and from Key 21157.
- > Local = General local funds provided by the lead agency as part of the required match or to cover overmatching project costs and needs.
- > Other = Gener local funds committed to the project by the lead agency above the required local matching funds.

**Amendment Review and Development Personnel:**

- > Exemption Status: Exempt project per 40 CFR 93.126, Table 2 - Safety - Traffic control devices and operating assistance other than signalization projects.
- > Project is located on the NHS: Yes. Cornelius Pass Rd in the project limits is defined as a Other NHS Routes and Map 21 Principal Arterials in the NHS system
- > Located on the Metro Modeling network: YES. NE Cornelius Pass Rd from West Union Rd south to OR8 is defined as a "Major Arterial" in the Metro Motor Vehicle modeling network
- > Regionally Significant Project: YES. Federal funded + on-system improvements
- > ODOT LAL: Not Applicable.
- > Project Manager or Agency Contact(s): Dan Erpenbach ( Galen McGill)
- > Metro MTIP Programming Manager: Ken Lobeck.
- > ODOT Region 1 STIP Coordinator: Gabriela Garcia



Metro  
2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**PROJECT AMENDMENT DETAIL WORKSHEET**

**Formal Amendment**  
**ADD NEW PROJECT**  
Initial Project Programming

<b>Lead Agency: Metro</b>			<div style="display: flex; flex-direction: column; align-items: center;"> <div>Project Type: TSMO/ITS</div> <div>ODOT Type: ITS/Ops</div> <div>Capacity Enhancing: No</div> <div>Conformity Exempt: Yes</div> <div>On State Hwy Sys: No</div> <div>Mile Post Begin: N/A</div> <div>Mile Post End: N/A</div> <div>Length: N/A</div> <div>1st Year Program'd: 2020</div> <div>Years Active: 1</div> </div>		<b>ODOT Key: 21499</b>			
<b>Project Name:</b> Multimodal Integrated Corridor Management Architecture  <b>Project Status: 1</b> = Pre-first phase obligation activities (IGA development, project scoping, scoping refinement, etc.).  <b>Short Description:</b> ATCMTD child project to develop standardized TSMO/ITS policies for data access and sharing plus required architecture platform supporting shared data					<b>MTIP ID: TBD</b>			
					<b>Status: 1</b>			
					RTP ID: 12024			
					RFFA ID: N/A			
					RFFA Cycle: N/A			
					UPWP: No			
					UPWP Cycle: N/A			
			Past Amend: 0					
			OTC Approval: No					
<b>Detailed Description:</b> ATCMTD child project in support of the Metro ITS Architecture Plan to develop appropriate policies and strategies supporting data sharing elements and to recommended ITS architecture resulting in a TSMO/ITS data sharing formal policy, management procedures, partnering, reporting and evaluation leading to data sharing implementation.								
<b>STIP Description:</b> Design a data system architecture to seamlessly interface with multiple data formats, allowing support for such things as dynamic transit capacity assignment , predictive traveler information and traffic incident decision support.								
<b>PROJECT FUNDING DETAILS</b>								
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other (ITS)	<b>Total</b>
<b>Federal Funds</b>								
ATCMTD	Z44A	2020					\$ 75,000	\$ 75,000
								\$ -
							<b>Federal Totals:</b>	<b>\$ 75,000</b>
<b>Federal Fund Obligations:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								
<b>State Funds</b>								
								\$ -
							<b>State Total:</b>	<b>\$ -</b>
<b>State Fund Obligations:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								

Local Funds							
							\$ -
							\$ -
							<b>Local Total</b> \$ -
Phase Totals Before Amend:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<del>\$ -</del>
Phase Totals After Amend:	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000	\$ 75,000
<div> <div>Estimated Completion Date: 12/31/2022</div> <div>Year Of Expenditure (YOE): \$ 75,000</div> </div>							
<b>Notes and Summary of Changes:</b> Red font = prior amended funding or project details. Blue font = amended changes to funding or project details. Black font indicates no change has occurred.							
<b>Amendment Summary:</b> > The formal amendment adds this new child project to the larger ODOT statewide Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) grant program from Federal Highways Administration (FHWA). The Metro project is one of nine total subprojects to be implemented as part of the total grant. The Metro Multimodal Integrated Corridor Management Architecture project will support the Metro ITS Architecture Plan to develop appropriate policies and strategies supporting data sharing elements and toe recommended ITS architecture resulting in a TSMO/ITS data sharing formal policy, management procedures, partnering, reporting and evaluation leading to data sharing implementation. A total \$75,000 of the ATCMTD grant funding is being committed to this project. The matching funds requirement is being provided through Key 21157 per FHWA approval for the ATCMTD grant. No matching funds are required to be shown in this project. > Estimated Completion Date: 12/31/2022 > Will Performance Measurements Apply: YES > Match: Provided through approved Key 21157							
<b>RTP References:</b> > RTP ID:12024 - Regional TSMO Corridors Priority Investments for 2018-2027 > RTP Description: Through the regional TSMO program, provide funding for operators to work together to deploy safe, integrated corridor management with advanced technology in regional mobility corridors including decision support systems, real-time traveler information on route choice and estimated travel time that uses a variety of data sensors, software and systems (e.g., smart mobility hubs, internet of things, connected and automated vehicles). This also includes deployment of innovative technology systems, automated corridor management, and other active traffic management strategies.							
<b>Fund Codes:</b> > ATCMTD = Advanced Transportation and Congestion Management Technologies Deployment Initiative. ATCMTD is being used as a fund type code placeholder until the specific fund type and program code is established for the grant. As noted above, the match is covered under other specific child projects and from Key 21157.							

**Amendment Review and Development Personnel:**

- > Exemption Status: Exempt project per 40 CFR 93.126, Table 2 - Safety - Traffic control devices and operating assistance other than signalization projects
- > Project is located on the NHS: No. The project is more of a policy and process development study.
- > Located on the Metro Modeling network: YES. NE Airport Way in the project limits is identified as a Regional intermodal connector and in the eastern limit area as a Roadway Connector.
- > Regionally Significant Project: YES - ID on the network + the arterial is located in a RTP defined industrial area.
- > ODOT LAL: Not Applicable.
- > Project Manager or Agency Contact(s): Caleb Winter
- > Metro MTIP Programming Manager: Ken Lobeck.
- > ODOT Region 1 STIP Coordinator: Gabriela Garcia



Metro  
2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**PROJECT AMENDMENT DETAIL WORKSHEET**

**Formal Amendment**  
**COMBINED PROJECT**  
1st Amendment to Project

<b>Lead Agency: ODOT</b>					Project Type:	O&M		<b>ODOT Key:</b>	<b>20473</b>
<b>Project Name: OR210 Over OR217</b>					ODOT Type	Bridge		<b>MTIP ID:</b>	<b>71001</b>
					Capacity Enhancing:	No		<b>Status:</b>	<b>1</b>
<b>Project Status: 1</b> = Pre-first phase obligation activities (IGA development, project scoping, scoping refinement, etc.).					Conformity Exempt:	Yes		RTP ID:	Nov 27 Ltr
					On State Hwy Sys:	OR210		RFFA ID:	N/A
<b>Short Description:</b> Deck overlay; replace joints; patch column spalls.					Mile Post Begin:	9.16		RFFA Cycle:	N/A
					Mile Post End:	9.24		UPWP:	No
					Length:	0.08		UPWP Cycle:	N/A
			1st Year Program'd:	2020	Past Amend:	0			
			Years Active:	1	OTC Approval:	No			
<b>Detailed Description:</b> None									
<b>STIP Description:</b> Deck overlay; replace joints; patch column spalls.									
<b>PROJECT FUNDING DETAILS</b>									
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Other (Utility Relocation)	Construction	<b>Total</b>	
<b>Federal Funds</b>									
NHPP	<del>Z001</del>	<del>2020</del>		<del>\$ 215,352</del>					
NHPP	Z001	2020		\$ -				\$ -	
NHPP	<del>Z001</del>	<del>2021</del>					<del>\$ 1,456,644</del>		
NHPP	<del>Z001</del>	<del>2021</del>					<del>\$ 2,353,944</del>		
NHPP	Z001	2021					\$ -	\$ -	
							<b>Federal Totals:</b>	<b>\$ -</b>	
<b>Federal Fund Obligations:</b>									
<b>EA Number:</b>									
<b>Initial Obligation Date:</b>									

State Funds							
State	Match	2020		\$ <del>24,648</del>			
State	Match	2020		\$ -			\$ -
State	Match	2021				\$ <del>166,719</del>	
State	Match	2021				\$ <del>269,419</del>	
State	Match	2021				\$ -	\$ -
							\$ -
						State Total:	\$ -
State Fund Obligations:							
EA Number:							
Initial Obligation Date:							
Local Funds							
							\$ -
							\$ -
						Local Total	\$ -
Phase Totals Before Amend:			\$ -	\$ <del>240,000</del>	\$ -	\$ <del>1,623,363</del>	\$ <del>1,863,363</del>
Phase Totals After Amend:			\$ -	\$ -	\$ -	\$ -	\$ -
Estimated Completion Date: N/A							Year Of Expenditure (YOE): \$ -
<b>Notes and Summary of Changes:</b>							
Red font = prior amended funding or project details. Blue font = amended changes to funding or project details. Black font indicates no change has occurred.							
<b>Amendment Summary:</b>							
> The formal amendment first was to add \$1 million in approved ODOT funding to the project's construction phase. Subsequent to the developing the amendment, ODOT decided to combine the scope and increased funding into Key 18841. The notification table shows the initial funding increase and then the final decision to combine the scope and funding into Key 18841. As a result, Key 20473 is now zeroed programmed and cancelled.							
> Estimated Completion Date: N/A - Project is being combined into Key 18841							
> Will Performance Measurements Apply: Applicable to Key 18841							
<b>RTP References:</b>							
> RTP ID: November 27 2018 O&M Project Grouping s for the RTP Letter							
> RTP Description: O&M Project Groupings - Bridge Projects to repair/rehabilitate bridges.							

**Fund Codes:**

- > NHPP = federal National Highway Performance Program funds award to ODOT annually which are then applied to various regional on-network system projects.
- > Local = General local funds provided by the lead agency as part of the required match or to cover overmatching project costs and needs.

**Amendment Review and Development Personnel:**

- > Exemption Status: Exempt project per 40 CFR 93.126, Table 2 - Safety - Pavement resurfacing and/or rehabilitation..
- > Project is located on the NHS: Yes. OR 210 is identified as a MAP 21 NHP Principal Arterial. OR 217 is an Other NHS Route
- > Located on the Metro Modeling network: YES. OR210 is defined as a Major Arterial in the Metro Motor Vehicle modeling network
- > Regionally Significant Project: YES. Federal funded + on-system improvements
- > ODOT LAL: Not Applicable.
- > Project Manager or Agency Contact(s): Talena Adams
- > Metro MTIP Programming Manager: Ken Lobeck.
- > ODOT Region 1 STIP Coordinator: Gabriela Garcia



Metro  
2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**PROJECT AMENDMENT DETAIL WORKSHEET**

**Formal Amendment**  
**COMBINED PROJECT**  
4th Amendment to Project

<b>Lead Agency:</b> ODOT		Project Type:	Capacity		ODOT Key:	21179
<b>Project Name:</b> OR217: OR210 SW Scholl's Ferry Rd - SW 72nd Ave		ODOT Type	Modern		MTIP ID:	71034
		Capacity Enhancing:	Yes		Status:	4
<b>Project Status:</b> 4 = (PS&E) Planning Specifications, & Estimates (final design 30%, 60%, 90% design activities initiated).		Conformity Exempt:	No		RTP ID:	12019 11986
		On State Hwy Sys:	OR217		RFFA ID:	N/A
<b>Short Description:</b> On OR217 from about 72nd Ave to SW Scholl's Ferry Road (OR210) construct New NB auxiliary lane segments (HB2017 awarded Project, \$54,000,000 original award)		Mile Post Begin:	1.77		RFFA Cycle:	N/A
		Mile Post End:	6.32		UPWP:	No
		Length:	4.55		UPWP Cycle:	N/A
		1st Year Program'd:	2018		Past Amend:	3
		Years Active:	3		OTC Approval:	No
<b>Detailed Description:</b> On OR217 from about 72nd Ave to SW Scholl's Ferry Road (OR210) construct New NB auxiliary lane segments (HB2017 awarded Project, \$54,000,000 original award)						
<b>STIP Description:</b> Deck overlay; replace joints; patch column spalls.						

## PROJECT FUNDING DETAILS

Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Other (Utility Relocation)	Construction	Total
Federal Funds								
ADVCON	ACP0	2018		<del>\$ 8,434,620</del>				
ADVCON	ACP0	2018		\$ -				\$ -
ADVCON	ACP0	2020			<del>\$ 1,794,600</del>			\$ -
ADVCON	ACP0	2020			\$ -			\$ -
								\$ -
Federal Totals:								\$ -
Federal Fund Obligations:				\$ 7,717,704				Federal Aid ID
EA Number:				PE002895				S144(031)
Initial Obligation Date:				2/6/2018				

State Funds							
State	Match	2018		<del>\$ 965,380</del>			
State	S070	2018		\$ 798,970			\$ 798,970
State	Match	2020			<del>\$ 205,400</del>		
State	Match	2020		\$ -			\$ -
							\$ -
							\$ -
						State Total:	\$ 798,970
State Fund Obligations:				\$ 798,970			
EA Number:				PE002895			
Initial Obligation Date:				2/6/2018			
Local Funds							
Other	OVM	2018		<del>\$ 2,500,000</del>			
Other	OVM	2018		\$ -			\$ -
							\$ -
						Local Total	\$ -
Phase Totals Before Amend:		\$ -	<del>\$ 9,400,000</del>	<del>\$ 2,000,000</del>	\$ -	<del>\$ -</del>	<del>\$ 11,400,000</del>
Phase Totals After Amend:		\$ -	\$ 798,970	\$ -	\$ -	\$ -	\$ 798,970
Estimated Completion Date: N/A							Year Of Expenditure (YOE): \$ 798,970
<b>Notes and Summary of Changes:</b>							
Red font = prior amended funding or project details. Blue font = amended changes to funding or project details. Black font indicates no change has occurred.							
<b>Amendment Summary:</b>							
> The formal amendment combines the ADVCON and local Other funds into Key 18841. Obligated and expended State funds in PE remain with Key 21179. All other funds are transferred through this amendment to Key 18841.							
> Estimated Completion Date: N/A - Project is being combined into Key 18841							
> Will Performance Measurements Apply: Applicable to Key 18841							
<b>RTP References:</b>							
> RTP IDs: 12019 - OR 217 Northbound Auxiliary Lane 99W to Scholls Ferry (PE, ROW)							
> RTP Description: Extend OR 217 Northbound (NB) auxiliary lane from OR 99W to Scholls Ferry. ROW and PE phase							
> RTP ID: 11986 - OR 217 Northbound Auxiliary Lane 99W to Scholls Ferry (Cons)							
> RTP Description: Extend OR 217 Northbound (NB) auxiliary lane from OR 99W to Scholls Ferry. Construction (CON) phase							
<b>Fund Codes:</b>							
> ADVCON = Advance Construction system projects.							
> Local = General local funds provided by the lead agency as part of the required match or to cover overmatching project costs and needs							
> Other = Additional local funds contributing to the project beyond the required match.							

Other: Additional comments concerning the project and the request item.

**Amendment Review and Development Personnel:**

- > Exemption Status: Nonexempt project .
- > Project is located on the NHS: Yes. OR 210 is identified as a MAP 21 NHP Principal Arterial. OR 217 is an Other NHS Route
- > Located on the Metro Modeling network: YES. OR210 is defined as a Major Arterial in the Metro Motor Vehicle modeling network
- > Regionally Significant Project: YES. Federal funded + on-system improvements
- > ODOT LAL: Not Applicable.
- > Project Manager or Agency Contact(s): Talena Adams
- > Metro MTIP Programming Manager: Ken Lobeck.
- > ODOT Region 1 STIP Coordinator: Gabriela Garcia



Metro  
2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**PROJECT AMENDMENT DETAIL WORKSHEET**

**Formal Amendment**  
**COMBINED PROJECT**  
9th Amendment to Project

<b>Lead Agency:</b> ODOT		Project Type:	Capacity		<b>ODOT Key:</b>	<b>18841</b>
<b>Project Name:</b> <del>OR217 Southbound:</del> OR10 to OR99W <b>OR217: OR10 to OR99W</b>		ODOT Type	Modern		<b>MTIP ID:</b>	<b>70782</b>
		Capacity Enhancing:	Yes		<b>Status:</b>	<b>4</b>
<b>Project Status: 4</b> = (PS&E) Planning Specifications, & Estimates (final design 30%, 60%,90% design activities initiated).		Conformity Exempt:	No		RTP ID:	12019 11986
	OR217	On State Hwy Sys:	OR217		RFFA ID:	N/A
<b>Short Description:</b> <del>OR217 from OR10 to OR99W, construct lane segments between existing aux lanes to provide a 3rd SB through lane (HB2017 Awarded Project)</del> <b>On OR217: OR10 to OR99W, construct lane segments between existing aux lanes providing a NB &amp; SB 3rd through lane, bridges refit, road rehab, and Hall Blvd widening (Combines Key 21179 and 20473 into Key 18841) (HB2017 \$44 million award)</b>	9.16	Mile Post Begin:	1.77		RFFA Cycle:	N/A
	9.24	Mile Post End:	6.32		UPWP:	No
	0.08	Length:	4.55		UPWP Cycle:	N/A
		1st Year Program'd:	2018		Past Amend:	8
		Years Active:	3		OTC Approval:	Yes
<p><b>Detailed Description:</b> <del>OR217 from OR10 to OR99W, construct lane segments between existing aux lanes to provide a 3rd SB through lane, (HB 2017 Awarded Project, \$44 million)</del>  <b>On OR217, add a southbound auxiliary lane from OR10 to OR99W and a northbound auxiliary lane from OR99W to SW Scholl's Ferry Rd (OR210). Driving surface overlay, protective screening, and rail retrofit on Allen Blvd and Denny Rd structures (bridge #16134, #16143) . Driving surface overlay, replace joints, and repair deteriorating concrete columns on OR210 over OR217 structure (bridge #09672). Widen the Hall Blvd (OR141) over OR217 overcrossing to allow for the addition of a sidewalk and bike lanes. (HB2017 \$44 million award)(Combines Keys 21179 and 20473 into Key 18841)</b></p>						
<p><b>STIP Description:</b> <del>Add a southbound Auxiliary Lane from the intersection of OR10 to 99W.</del>          Replace with: On OR217, add a southbound auxiliary lane from OR10 to OR99W and a northbound auxiliary lane from OR99W to SW Scholl's Ferry Rd (OR210). Driving surface overlay, protective screening, and rail retrofit on Allen Blvd and Denny Rd structures (bridge #16134, #16143) . Driving surface overlay, replace joints, and repair deteriorating concrete columns on OR210 over OR217 structure (bridge #09672). Widen the Hall Blvd (OR141) over OR217 overcrossing to allow for the addition of a sidewalk and bike lanes.</p>						

PROJECT FUNDING DETAILS								
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Other	Construction	Total
<b>Federal Funds</b>								
HSIP	MS30	2014		\$ 758,254				\$ 758,254
HSIP (100%)	ZS30	2014		\$ 1,934,451				\$ 1,934,451
<del>ADVCON</del>	<del>ACP0</del>	<del>2014</del>		<del>\$ 1,525,410</del>				
ADVCON	ACP0	2014		\$ 9,994,311				\$ 9,994,311
<del>ADVCON</del>	<del>ACP0</del>	<del>2019</del>			<del>\$ 179,460</del>			
ADVCON	ACP0	2020			\$ 2,063,790			\$ 2,063,790
<del>ADVCON</del>	<del>ACP0</del>	<del>2021</del>					<del>\$ 37,731,465</del>	\$ -
ADVCON	ACP0	2021					\$ 101,356,296	\$ 101,356,296
								\$ -
							<b>Federal Totals:</b>	<b>\$ 116,107,102</b>
<b>Federal Fund Obligations:</b>				\$ 4,260,445				Federal Aid ID
<b>EA Number:</b>				PE002386				S144(026)
<b>Initial Obligation Date:</b>				5/5/2014				
<b>State Funds</b>								
<del>State (ADV)</del>	<del>Match</del>	<del>2014</del>		<del>\$ 174,590</del>				
State (ADV)	Match	2014		\$ 1,096,719				\$ 1,096,719
<del>State (ADV)</del>	<del>Match</del>	<del>2019</del>			<del>\$ 20,540</del>			
State (ADV)	Match	2020			\$ 236,210			\$ 236,210
HB2017	S070	2019				\$ 50,000		\$ 50,000
<del>State</del>	<del>Match</del>	<del>2021</del>					<del>\$ 4,318,535</del>	
State	Match	2021					\$ 11,600,682	\$ 11,600,682
							<b>State Total:</b>	<b>\$ 12,983,611</b>
<b>State Fund Obligations:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								

Local Funds								
Local (HSIP)	Match	2014	\$ 63,969					\$ 63,969
<del>Other</del>	<del>OVM</del>	<del>2014</del>		<del>\$ 546,158</del>				
Other	OVM	2014		\$ 3,046,158				\$ 3,046,158
<del>Other</del>	<del>OTH0</del>	<del>2019</del>				<del>\$ 50,000</del>		
Other	OVM	2021					\$ 2,000,000	\$ 2,000,000
								\$ -
								\$ -
							Local Total	\$ 5,046,158
Phase Totals Before Amend:			\$ -	<del>\$ 5,002,832</del>	<del>\$ 200,000</del>	\$ 50,000	<del>\$ 42,050,000</del>	<del>\$ 47,302,832</del>
Phase Totals After Amend:			\$ -	\$ 16,893,862	\$ 2,300,000	\$ 50,000	\$ 114,956,978	\$ 134,200,840
Estimated Completion Date: 12/31/2023						Year Of Expenditure (YOE):	\$ 134,200,840	

#### Notes and Summary of Changes:

Red font = prior amended funding or project details. Blue font = amended changes to funding or project details. Black font indicates no change has occurred.

#### Amendment Summary:

> The formal amendment combines scope and funding from Keys 20473 and 21179. This adds \$12,464,393 from Keys 20473 and 21179 to Key 18841. Key 21179 had only PE and a small amount of ROW programmed which totaled \$11,400,000. However, this HB217 project was awarded \$54,000,000 in HB 2017 funds. The funds remain committed to the project and are now combined into Key 18841.

The original programming for Key 18841 total \$47,302,832. Combining the three projects together with all approved committed funds (\$1,863,363 from Key 20473 + \$54,000,000 from Key 21179 + \$47,302,832 from Key 18841 now totals \$103,166,215. During the STIP Re-balancing Amendment, the updated total project cost for the three combined projects (Keys 20473, 21179 and 18841 now combined into 18841) was increased to \$134,200,840. This requires a cost increase of \$31,034,625 or 30.1% to the combined project. The additional funds have been secured through other projects pushed out into the next STIP Cycle through the STIP Re-balancing Amendment.

Full programming and combining the three project is occurring to streamline project delivery costs and improve delivery efficiencies. The need for additional funds to complete all three projects was approved by the OTC during their June 2019 meeting. Because of the complexity of the cost increase and combining effort, Metro requested the three projects proceed under MTIP formal amendment rules to help explain the combining effort and how the total project cost break-out among the three combined projects.

- > Estimated Completion Date: 12/31/2023
- > Project is being combined into Key 18841
- > Will Performance Measurements Apply: Yes, applicable to Key 18841

**RTP References:**

- > RTP IDs: 12019 - OR 217 Northbound Auxiliary Lane 99W to Scholls Ferry (PE, ROW)
- > RTP Description: Extend OR 217 Northbound (NB) auxiliary lane from OR 99W to Scholls Ferry. ROW and PE phase
- > RTP ID: 11986 - OR 217 Northbound Auxiliary Lane 99W to Scholls Ferry (Cons)
- > RTP Description: Extend OR 217 Northbound (NB) auxiliary lane from OR 99W to Scholls Ferry. Construction (CON) phase

**Fund Codes:**

- > HSIP = Federal Highway Safety Improvement Program funds allocated to ODOT for major safety improvements to the state highway system
- > ADVCON = Advance Construction system projects.
- > HB217 = State authorized funds from HB2018 allocated to ODOT and committed to various named projects.
- > Local = General local funds provided by the lead agency as part of the required match or to cover overmatching project costs and needs
- > Other = Additional local funds contributing to the project beyond the required match.

**Amendment Review and Development Personnel:**

- > Exemption Status: Nonexempt project .
- > Project is located on the NHS: Yes. OR 217 is identified as a MAP 21 NHP Principal Arterial. OR 217 is an Other NHS Route
- > Located on the Metro Modeling network: YES. OR217 is defined as a Major Arterial in the Metro Motor Vehicle modeling network
- > Regionally Significant Project: YES. Federal funded + on-system improvements
- > ODOT LAL: Not Applicable.
- > Project Manager or Agency Contact(s): Talena Adams
- > Metro MTIP Programming Manager: Ken Lobeck.
- > ODOT Region 1 STIP Coordinator: Gabriela Garcia



Metro  
2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**PROJECT AMENDMENT DETAIL WORKSHEET**

**Formal Amendment**  
**ADD NEW PROJECT**  
Initial Project Programming

<b>Lead Agency: SMART</b>					Project Type:	Transit		<b>ODOT Key:</b>	<b>21522</b>
<b>Project Name: Bus and Bus Facilities - Rural SMART 2017</b>					ODOT Type	Transit		<b>MTIP ID:</b>	<b>TBD</b>
					Capacity Enhancing:	No		<b>Status:</b>	<b>T22</b>
<b>Project Status: T22</b> = Programming actions in progress or programmed in current MTIP					Conformity Exempt:	Yes		RTP ID:	11109
					On State Hwy Sys:	N/A		RFFA ID:	N/A
<b>Short Description: Replacement/right sizing vehicle purchase plus expansion of SMART's CNG facility (ODOT 2017 discretionary rural award, contract 32844)</b>					Mile Post Begin:	N/A		RFFA Cycle:	N/A
					Mile Post End:	N/A		UPWP:	No
					Length:	N/A		UPWP Cycle:	N/A
			1st Year Program'd:	2020	Past Amend:	0			
			Years Active:	1	OTC Approval:	No			
<b>Detailed Description: ODOT 2017 Rural program discretionary award to SMART to purchase replacement transit vehicles as follows: One 30-35 ft/25-35 seat/2 ADA securement stations/CNG powered bus, two 25-30 ft/16-30 seat/2 ADA securement stations/CNG buses, and one 20 ft/3-6 seat/1 ADA securement station/gas powered van, plus construct one compressed natural gas refueling station to support the transportation needs of the general public (contract 32844)</b>									
<b>STIP Description:</b> Vehicle/Facilities replacement and expansion									
<b>PROJECT FUNDING DETAILS</b>									
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other (Transit)	<b>Total</b>	
<b>Federal Funds</b>									
5339	FF30	2020					\$ 555,200	\$ 555,200	
								\$	-
							<b>Federal Totals:</b>	<b>\$ 555,200</b>	
<b>Federal Fund Obligations:</b>									
<b>EA Number:</b>									
<b>Initial Obligation Date:</b>									
<b>State Funds</b>									
								\$	-
							<b>State Total:</b>	<b>\$ -</b>	
<b>State Fund Obligations:</b>									
<b>EA Number:</b>									
<b>Initial Obligation Date:</b>									

<b>Local Funds</b>							
<b>Local</b>	<b>Match</b>	<b>2020</b>				<b>\$ 106,800</b>	<b>\$ 106,800</b>
							\$ -
						<b>Local Total</b>	<b>\$ -</b>
Phase Totals Before Amend:	\$ -	\$ -	\$ -	\$ -	\$ -	<del>\$ -</del>	<del>\$ -</del>
Phase Totals After Amend:	\$ -	\$ -	\$ -	\$ -	\$ -	<b>\$ 662,000</b>	<b>\$ 662,000</b>
Estimated Completion Date: 12/31/2021							Year Of Expenditure (YOE): \$ 662,000
<b>Notes and Summary of Changes:</b>							
Red font = prior amended funding or project details. Blue font = amended changes to funding or project details. Black font indicates no change has occurred.							
<b>Amendment Summary:</b>							
> The formal amendment adds the new project for SMART to the 2018 MTIP. The funds originate from the ODOT 2018 Rural Area Discretionary Awards program. Funding is shifted from ODOT's Key 18933 Bus and is Facilities (5339 MAP-21) 2017 project grouping bucket that is outside of the MPO boundary. The discretionary award will allow SMART to purchase replacement transit vehicles as follows: One 30-35 ft/25-35 seat/CNG powered vehicle, two 25-30 ft/16-30 seat/CNG vehicles, and one 20 ft/3-6 seat/1 ADA securement station/gas powered vehicle, plus construct one compressed natural gas refueling station to support the transportation needs of the general public (contract 32844)							
> Estimated Completion Date: 12/31/2021							
> Will Performance Measurements Apply: Yes.							
<b>RTP References:</b>							
> RTP ID: 11109 - Bus Replacements - including Alternative Fuel Vehicles							
> RTP Description: Purchase buses to replace those that are out of date, unreliable or inoperable. Replacements buses could include alternative fuel vehicles or autonomous vehicles.							
<b>Fund Codes:</b>							
> 5339 = Federal Section 5339 funds allocated on a discretionary award basis from the Federal Transit Administration (FTA) to states and transit agencies based on specific funding programs, These funds are allocated in support of rural transit needs.							
> Local = General local funds provided by the lead agency as part of the required match or to cover overmatching project costs and needs							
<b>Amendment Review and Development Personnel:</b>							
> Exemption Status: Exempt project per 40 CFR 93.126, Table 2 - Mass Transit - Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet 1.							
> Project is located on the NHS:							
> Located on the Metro Modeling network:							
> Regionally Significant Project: YES. Federal funded + transit system							
> ODOT LAL: Not Applicable.							
> Project Manager or Agency Contact(s): Elli Work							
> Metro MTIP Programming Manager: Ken Lobeck.							
> ODOT Region 1 STIP Coordinator: Gabriela Garcia							



Metro  
2018-21 Metropolitan Transportation Improvement Program (MTIP)  
**PROJECT AMENDMENT DETAIL WORKSHEET**

**Formal Amendment**  
**ADD NEW PROJECT**  
Initial Project Programming

<b>Lead Agency: TriMet</b>					Project Type:	Transit		<b>ODOT Key:</b>	<b>21517</b>	
<b>Project Name: TriMet Bus Replacement Award FFY2019</b>					ODOT Type	Transit		<b>MTIP ID:</b>	<b>TBD</b>	
					Capacity Enhancing:	No		<b>Status:</b>	<b>T22</b>	
<b>Project Status: T22</b> = Programming actions in progress or programmed in current MTIP					Conformity Exempt:	Yes		RTP ID:		10928
					On State Hwy Sys:	N/A		RFFA ID:		N/A
<b>Short Description: Replacement of buses. Funding shifted from ODOT Non-MPO project grouping bucket Key 21424</b>					Mile Post Begin:	N/A		RFFA Cycle:		N/A
					Mile Post End:	N/A		UPWP:		No
					Length:	N/A		UPWP Cycle:		N/A
			1st Year Program'd:	2020	Past Amend:		0			
			Years Active:	1	OTC Approval:		No			
<b>Detailed Description: None</b>										
<b>STIP Description:</b> Replacement of 13 buses										
<b>PROJECT FUNDING DETAILS</b>										
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other (Transit)	<b>Total</b>		
<b>Federal Funds</b>										
<b>5310</b>	<b>F160</b>	<b>2020</b>					\$ 1,014,845	\$ 1,014,845		
								\$ -		
							<b>Federal Totals:</b>	<b>\$ 1,014,845</b>		
<b>Federal Fund Obligations:</b>										
<b>EA Number:</b>										
<b>Initial Obligation Date:</b>										
<b>State Funds</b>										
								\$ -		
							<b>State Total:</b>	<b>\$ -</b>		
<b>State Fund Obligations:</b>										
<b>EA Number:</b>										
<b>Initial Obligation Date:</b>										

Local Funds									
Local	Match	2020						\$ 116,154	\$ 116,154
								\$ -	
							Local Total	\$ -	
Phase Totals Before Amend:			\$ -	\$ -	\$ -	\$ -	<del>\$ -</del>	<del>\$ -</del>	
Phase Totals After Amend:			\$ -	\$ -	\$ -	\$ -	\$ 1,130,999	\$ 1,130,999	
Estimated Completion Date: 12/31/2021							Year Of Expenditure (YOE):	\$ 1,130,999	

### Notes and Summary of Changes:

Red font = prior amended funding or project details. Blue font = amended changes to funding or project details. Black font indicates no change has occurred.

**Amendment Summary:**

> The formal amendment adds the new project for TriMet to the 2018 MTIP. The funds originate from the ODOT 2018 STP Vehicle Replacement Program Award. Funding is shifted from ODOT's Key 21424 Bus Replacement Program project grouping bucket that is outside of the MPO boundary.

> Estimated Completion Date: 12/31/2021

> Will Performance Measurements Apply: Yes.

**RTP References:**

> RTP IDs: 10928 - Operating Capital: Fleet Vehicles Phase 1

> RTP Description: Replacement and/or expansion of buses, articulated buses, light rail and LIFT vehicles.

## Fund Types

> 5310 = Federal Section 5310 funds allocated on a discretionary award basis for elderly and disabled population needs.

> Local = General local funds provided by the lead agency as part of the required match or to cover overmatching project costs and needs

**Amendment Review and Development Personnel:**

≥ Exemption Status: Exempt project per 40 CFR 93.126, Table 2 - Mass Transit - Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet 1. .

> Project is located on the NHS: N/A

- > Located on the Metro Modeling network: Transit network

> Regionally Significant Project: YES. Federal funded + transit system

> ODOT LAL: Not Applicable.

> Project Manager or Agency Contact(s): Alison Langton

> Metro MTIP Programming Manager: Ken Lobeck.

> ODOT Region 1 STIP Coordinator: Gabriela Garcia

Project #13 - Key TBD New TrMet Transit Project



Metro  
2018-21 Metropolitan Transportation Improvement Program (MTIP)  
PROJECT AMENDMENT DETAIL WORKSHEET

**Formal Amendment**  
**ADD NEW PROJECT**  
Initial Project Programming

<b>Lead Agency:</b> TriMet					Project Type:	Transit			<b>ODOT Key:</b>	<b>TBD</b>
<b>Project Name:</b> TriMet Low-No Bus Program FFY 2019					ODOT Type	Transit			<b>MTIP ID:</b>	<b>TBD</b>
<b>Project Status:</b> T22 = Programming actions in progress or programmed in current MTIP					Capacity Enhancing:	No			<b>Status:</b>	<b>T22</b>
<b>Short Description:</b> FFY 2019 FTA Low-No Bus Program (5339c) discretionary award to purchase zero-emission battery electric replacement buses					Conformity Exempt:	Yes			RTP ID:	10928
					On State Hwy Sys:	N/A			RFFA ID:	N/A
					Mile Post Begin:	N/A			RFFA Cycle:	N/A
					Mile Post End:	N/A			UPWP:	No
					Length:	N/A			UPWP Cycle:	N/A
					1st Year Program'd:	2020			Past Amend:	0
					Years Active:	1			OTC Approval:	No
<b>Detailed Description:</b> FTA 2019 Low or No-Emission Bus Program (5339c) cycle discretionary award to TriMet to purchase zero emission electric battery replacement buses										
<b>STIP Description:</b> TBD										
<b>PROJECT FUNDING DETAILS</b>										
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other (Transit)	<b>Total</b>		
<b>Federal Funds</b>										
5339c	F390	2020					\$ 2,088,579	\$	2,088,579	
								\$	-	
							<b>Federal Totals:</b>	\$	<b>2,088,579</b>	
<b>Federal Fund Obligations:</b>										
<b>EA Number:</b>										
<b>Initial Obligation Date:</b>										

State Funds							
							\$ -
						<b>State Total:</b>	\$ -
State Fund Obligations:							
EA Number:							
Initial Obligation Date:							
Local Funds							
Local	Match	2020				\$ 368,573	\$ 368,573
Other	OVM	2020				\$ 1,790,848	\$ 1,790,848
						<b>Local Total</b>	<b>\$ 2,159,421</b>
Phase Totals Before Amend:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Phase Totals After Amend:		\$ -	\$ -	\$ -	\$ -	\$ 4,248,000	\$ 4,248,000
Estimated Completion Date: 12/31/2021						Year Of Expenditure (YOE):	\$ 4,248,000
<b>Notes and Summary of Changes:</b>							
Red font = prior amended funding or project details. Blue font = amended changes to funding or project details. Black font indicates no change has occurred.							
<b>Amendment Summary:</b>							
> The formal amendment adds the new project for TriMet to the 2018 MTIP. The funds represent a discretionary grant award from FTA's Low or no-Emission Vehicle Program for the FFY 2019 cycle. TriMet will use the FTA Section 5339c funds to purchase zero emission battery replacement buses.							
> Match percent set at 15% per FTA guidance. Remaining local contribution programmed as Other local overmatch funds.							
> Estimated Completion Date: 12/31/2021							
> Will Performance Measurements Apply: Yes.							
<b>RTP References:</b>							
> RTP IDs: 10928 - Operating Capital: Fleet Vehicles Phase 1							
> RTP Description: Replacement and/or expansion of buses, articulated buses, light rail and LIFT vehicles.							
<b>Fund Types:</b>							
> 5339c = Federal Section 5339c funds allocated on a discretionary award basis from the Federal Transit Administration (FTA) in support of FTA's Low or No-Emission Vehicle Program							
> Local = General local funds provided by the lead agency as part of the required match or to cover overmatching project costs and needs							
> Other = Additional local funds committed to the project cost above the required minimum match to the federal funds.							

**Amendment Review and Development Personnel:**

- > Exemption Status: Exempt project per 40 CFR 93.126, Table 2 - Mass Transit - Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet 1. .
- > Project is located on the NHS: N/A
- > Located on the Metro Modeling network: Transit network
- > Regionally Significant Project: YES. Federal funded + transit system
- > ODOT LAL: Not Applicable.
- > Project Manager or Agency Contact(s): Alison Langton
- > Metro MTIP Programming Manager: Ken Lobeck.
- > ODOT Region 1 STIP Coordinator: Gabriela Garcia