



Proposed January 2021 Formal Transition Amendment Bundle Amendment Type: **Formal/Full**

Amendment #: JN21-06-JAN
Total Number of Projects: 3

Key Number & MTIP ID	Lead Agency	Project Name	Amendment Action	Added Remarks
Project #1 ODOT Key 21636 MTIP ID 71190	Clackamas County	SE Johnson Creek Blvd: 79th Pl - 82nd Ave (Clackamas County)	COST INCREASE: The formal amendment addresses PE and ROW phase cost increases by adding local overmatching funds to the project	The net cost increase to the project adds \$901,976 to the project which equals a 57% cost increase to the project. The cost increase is above 20% which requires a formal amendment.
Project #2 ODOT Key NEW TBD MTIP ID NEW TBD	Washington County	Washington Cnty Regional ATC Controller Project	ADD NEW PROJECT: The formal amendment adds the new 2019 Metro TSMO program awarded project to the MTIP	The project will replace one hundred and sixty-three (163) older model 170/2070 traffic signal controllers to the latest Advanced Traffic Controllers (ATC) and include local software, and central signal system upgrades.
Project #3 ODOT Key 20884 MTIP ID 70875	Metro	Transportation System Mgmt Operations/ITS (2019)	SPLIT FUNDS: The formal amendment splits off and commits \$1,151,936 of STBG-U to the new Washington County Advance Traffic Controller (ATC) upgrade project to the 2021-24 MTIP.	Key 20884 functions as a project grouping bucket (PGB) with funding committed to Metro TSMO projects.



20121-24 Metropolitan Transportation Improvement Program (MTIP) PROJECT AMENDMENT DETAIL WORKSHEET

Metro

Formal Amendment
COST INCRASE
Increase PE and ROW phases

Lead Agency: Clackamas County		Project Type:	Safety	ODOT Key:	21636
Project Name:		ODOT Type	Safety	MTIP ID:	71190
SE Johnson Creek Blvd: 79th Pl - 82nd Ave (Clackamas County)	1	Performance Meas:	Yes	Status:	3
		Capacity Enhancing:	No	Comp Date:	9/30/2025
Project Status: 3 = (PE) Preliminary Engineering (NEPA) activities initiated		Conformity Exempt:	Yes	RTP ID:	11763
Project Status: 5 – (PE) Premimilary Engineering (NEPA) activities initiated		On State Hwy Sys:	No	RFFA ID:	N/A
		Mile Post Begin:	N/A	RFFA Cycle:	N/A
Short Description: Install a signal at 79th Ave. Allow only right-in, right-out		Mile Post End:	N/A	UPWP:	No
movement at 80th Ave and the Fred Meyer driveway to increase safety at these		Length:	N/A	UPWP Cycle:	N/A
locations.		1st Year Program'd:	2021	Past Amend:	0
iocations.		Years Active:	1	OTC Approval:	No
		STIP Amend #: 21-24-03	62	MTIP Amnd #: JA	421-06-JAN

Detailed Description: Install a signal at 79th Ave. Allow only right-in, right-out movement at 80th Ave and the Fred Meyer driveway to increase safety at these locations.

In Clackamas County on SE Johnson Blvd from SE 70th Place to HWY 213 North: Install a new signal at SE 79th Place, install a raised median from SE 79th Place to SE 82nd Avenue and complete channelization improvements to allow only right-in, right-out turns at SE 80th Avenue at the Fred Meyer shopping complex driveway

STIP Description: Install a signal at 79th Ave. Allow only right-in, right-out movement at 80th Ave and the Fred Meyer driveway to increase safety at these locations.

Last Amendment of Modification: Administrative: None. This the first amendment to the project.

					PROJEC	T FUNDING DE	TAILS					
Fund Type	Fund Code	Year	Planning		Preliminary Engineering	Right of Way	(U	Other Itility Relocation)	C	onstruction		Total
Federal Funds	;			-								
HSIP (92.22%)	ZS30	2021		\$	110,690						\$	110,690
HSIP (92.22%)	ZS30	2022			-	\$ 127,53	9				\$	-
HSIP (92.22%)	ZS30	2022				\$ 131,52	20				\$	131,520
HSIP (92.22%)	ZS30	2024				-			\$ _	1,222,207	\$	-
HSIP (92.22%)	ZS30	2024							\$	1,218,226	\$	1,218,226
											\$	-
									Fe	deral Totals:	\$	1,460,436
Federal	Fund Oblig	ations \$:										Federal Aid ID
	EA	Number:										
Init	ial Obligati	ion Date:										
	EA E	nd Date:										
Kn	own Expe	nditures:										
				·			·					
State Funds												
											\$	-
											\$	-
	1			'		L				State Total:	\$	-
Local Funds												
Local	Match	2021		\$	9,338						\$	9,338
Other	ОТН0	2021		\$	434,972						\$	434,972
Local	Match	2022				\$ 10,76	0				\$	-
Local	Match	2022				\$ 11,09	16				\$	11,096
Other	ОТН0	2022				\$ 467,00					\$	467,004
Local	Match	2024							\$_	103,110	\$	-
Local	Match	2024							\$	102,774	\$	102,774
											\$	-
	1			-		ı	1		Į	ocal Total	\$	1,025,184
Phase Tota	ls Before	Amend:	\$ -	\$	120,028	\$ 138,29	9 \$	-	\$_	1,325,317	\$	1,583,644
	tals After		•	\$	555,000	\$ 609,62		-	\$	1,321,000	\$	2,485,620
								Year Of Ex		diture (YOE):		2,485,620

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.
- > Cost increase: Update PE and ROW phase costs as part of the PE review.

Amendment Summary:

The formal amendment addresses PE and ROW phase cost increases by adding local overmatching funds to the project. There is a minor construction phase cost decrease to the project as well. Two reasons have been coted for the cost increase. They include: (1) Increased consultant costs as indicated by recent consultant contracts with Clackamas County has increased the PE phase cost, and (2) identification of a right of way file that likely requires a full take and relocation has increased the ROW phase cost. The net cost increase to the project adds \$901,976 to the project which equals a 57% cost increase to the project. The cost increase is above 20% which requires a formal amendment.

> Will Performance Measurements Apply: Yes - Safety

RTP References:

- > RTP ID: 11763 Johnson Creek Blvd/79th Ave Intersection (TSAP)
- > RTP Description: Construct new signalized intersection at the intersection of Johnson Creek Blvd and either 79th Ave or 80th Place and implement proven safety counter measures at high injury location identified in county Transportation Safety Action Plan, including bike/ped and ADA accessibility improvements as necessary.
- > Exemption Status: Project is an exempt, non-capacity type project per 40 CFR 93.127, Table 3 Intersection channelization projects + intersection signalization projects at individual locations
- > UPWP amendment: Not applicable & not required
- > RTP Goals: Goal 5 Safety and Security
- > Goal 5.1 Transportation Safety
- > Goal Description: Eliminate fatal and severe injury crashes for all modes of travel.

Fund Codes:

- > HSIP = Federal Highway Safety Improvement Program funds appropriated to the states with the purpose of safety improvements
- > Local = General local funds provided by the lead agency as part of the required match.
- > Other = General local funds provided by the lead agency above the required match amount to support phase costs above the federal and match amount programmed.

Other

- > On NHS: No
- > Metro Model: Yes
- > Model category and type: Motor Vehicle Minor Arterial
- > TCM project: No
- > Located on the CMP: No



Metro 20121-24 Metropolitan Transportation Improvement Program (MTIP) PROJECT AMENDMENT DETAIL WORKSHEET

Formal Amendment
ADD NEW PROJECT
Add new Advance Traffic Controller
project

Lead Agency: Washington County		Project Type:	TSMO	ODOT Key:	New
Project Name:		ODOT Type	Ops	MTIP ID:	New
	2	Performance Meas:	Yes	Status:	1
Washington Cnty Regional ATC Controller Project		Capacity Enhancing:	No	Comp Date:	12/31/2023
Project Status: 1 = Pre-first phase obligation activities (IGA development, project		Conformity Exempt:	Yes	RTP ID:	12074
scoping, scoping refinement, etc.).		On State Hwy Sys:	No	RFFA ID:	N/A
		Mile Post Begin:	N/A	RFFA Cycle:	2012-15
Short Description: Replace one hundred and sixty-three (163) older model		Mile Post End:	N/A	UPWP:	No
170/2070 traffic signal controllers to the latest Advanced Traffic Controllers (ATC)		Length:	N/A	UPWP Cycle:	N/A
and include local software, and central signal system upgrades.		1st Year Program'd:	2021	Past Amend:	1
and include local software, and central signal system upgrades.		Years Active:	0	OTC Approval:	Yes
		STIP Amend #: TBD		MTIP Amnd #: JI	N21-06-JAN

Detailed Description: This project will replace one hundred and sixty-three (163) older model 170/2070 traffic signal controllers to the latest Advanced Traffic Controllers (ATC). ATC Controllers are the latest national and state standards with more functionality and built-in performance software tools and will include local software, and central signal system upgrades (2019 Metro TSMO Award).

STIP Description: TBD

Last Amendment of Modification: Administrative: None - New project being added to the MTIP

				PROJE	CT FUNDING DETAIL	_S		
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other (ITS/TSMO)	Total
Federal Fund	s							
STBG-U	Z230	2022					\$ 1,151,936	\$ 1,151,936
								\$ -
								\$ -
							Federal Totals:	\$ 1,151,936
Federal	al Fund Obligations \$:			Federal Aid ID				
	EA	Number:						
Ini	tial Obligati							
	EA E	nd Date:						
Kı	nown Expe	nditures:						
State Funds								\$ - \$ -
	1	1					State Total:	\$ -
Local Funds							_	
Local	Match	2022					\$ 131,844	\$ 131,844
								\$ -
								\$ -
		1		1			Local Total	\$ 131,844
Phase Tot	als Before	Amend:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	otals After		\$ -	\$ -	\$ -	\$ -	\$ 1,283,780	\$ 1,283,780
				l .	i		1	

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.
- > Add New Project: 2019 Metro TSMO awarded project being added to the MTIP with STBG-U awarded funds

Amendment Summary:

The formal amendment adds the new 2019 Metro TSMO program awarded project to the MTIP. The project will replace one hundred and sixty-three (163) older model 170/2070 traffic signal controllers to the latest Advanced Traffic Controllers (ATC) and include local software, and central signal system upgrades

> Will Performance Measurements Apply: Yes - ITS

RTP References:

- > 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.
- > Exemption Status: Project is an exempt, non-capacity type project per 40 CFR 93.126, Table 2 Safety Traffic control devices and operating assistance other than signalization projects.
- > UPWP amendment: Not applicable & not required
- > RTP Goals: Goal 4 Reliability and Efficiency
- > Goal 4.2 Travel Management
- > Goal Description: Increase the use of real-time data and decision-making systems to actively manage transit, freight, arterial and throughway corridors.

Fund Codes:

- > STBG-U = Federal Surface Transportation Block Grant funds appropriated to the states with a portion .
- > Local = General local funds provided by the lead agency as part of the required match.

Other

> On NHS: Possible for some locations

> Metro Model: N/A

> Model category and type: N/A

> TCM project: No



Metro 20121-24 Metropolitan Transportation Improvement Program (MTIP) PROJECT AMENDMENT DETAIL WORKSHEET

Formal Amendment
SPLIT FUNDS
Shift \$1,151,936 of STBG-U to new
Washington County ATC project

Lead Agency: Metro		Project Type:	TSMO	ODOT Key:	20884
Project Name:		ODOT Type	Ops	MTIP ID:	70875
· ·	3	Performance Meas:	No	Status:	N/A
Transportation System Mgmt Operations/ITS (2019)		Capacity Enhancing:	No	Comp Date:	9/30/2023
Project Status: N/A - This is a TSMO project grouping bucket which maintains		Conformity Exempt:	Yes	RTP ID:	11104
committed funding for awarded TSMO projects until MTIP programming occurs		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
Short Description: Provide strategic and collaborative program management		Length:	N/A	UPWP Cycle:	N/A
including coordination of activities for TransPort TSMO committee.		1st Year Program'd:	2016	Past Amend:	0
		Years Active:	6	OTC Approval:	No
		STIP Amend #: TBD		MTIP Amnd #: JN	N21-06-JAN

Detailed 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. The activities of this program focus on proactive management of the multi-modal transportation system through: (1) Multi-modal traffic management strategies to reduce travel times and vehicle emissions, (2) traveler information to help system users make informed decisions and avoid congestion, and (3)Traffic incident management to reduce crashes and delay, and improve traveler safety. 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)

STIP 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.

Last Amendment of Modification: None. Initial project programming occurring

				PROJE	CT FUNDING DETAI	LS		
Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Construction	Other (TSMO/ITS)	Total
Federal Fund	5							
STBG-U	Z230	2022					\$ 1,157,696	\$ -
STBG-U	Z230	2022					\$ 5,760	\$ 5,760
								\$ -
							Federal Totals:	\$ 5,760
Feder	al Fund Obl							Federal Aid ID
		Number:						
Init	ial Obligati	on Date:						
State Funds								
								\$ -
								\$ -
							State Total:	\$ -
Stat	e Fund Obl	igations:						
	EA	Number:						
Init	ial Obligati	on Date:						
Local Funds								
Local	Match	2022					\$ 132,503	\$ -
Local	Match	2022					\$ 659	\$ 659
							Local Total	\$ 659
Phase Total	als Before	Amend:	\$ -	\$ -	\$ -	\$ -	\$ 1,290,199	\$ 1,290,199
Phase To	tals After	Amend:	\$ -	\$ -	\$ -	\$ -	\$ 6,419	\$ 6,419
		"				Year Of E	xpenditure (YOE):	\$ 6,419

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.
- > Split funding: \$1,151,936 of STBG-U funds are transferred to the new Washington County ATC project.

Amendment Summary:

The formal amendment splits off and commits to FY 2021 \$1,51,936 of STBG-U to the new Washington County Advance Traffic Controller (ATC) upgrade project to the 2021-24 MTIP. The ATC upgrade project is a Transportation Systems Management and Operations (TSMO)/Intelligent Transportation System (ITS) approved project which was awarded funding from Metro's 2019 TSMO project call. As a result of this funding shift, Key 20884 programming decreases from \$1,290,199 to \$6,419. The remaining funding will be committed to the next approved Metro awarded TSMO ATC project that is ready for MTIP programming

> Will Performance Measurements Apply: No

RTP References:

- > RTP 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.
- > Exemption Status: Project is an exempt, non-capacity type project per 40 CFR 93.126, Table 2 Safety Traffic control devices and operating assistance other than signalization projects
- > UPWP amendment: Not applicable & not required
- > RTP Goals: Goal 4 Reliability and Efficiency
- > Goal 4.2 Travel Management
- > Goal Description: Increase the use of real-time data and decision-making systems to actively manage transit, freight, arterial and throughway corridors.

Fund Codes:

> STBG-U = Federal Surface Transportation Program funds appropriated to the states with a portion allocated to the MPOs for various transportation improvements > Local = General local funds provided by the lead agency as part of the required match.

Other

> On NHS: No

> Metro Model: N/A

> Model category and type: N/A

> TCM project: No

> Located on the CMP: No