

# Memo



**Metro**

600 NE Grand Ave.  
Portland, OR 97232-2736

Date: Sunday, May 17, 2020

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

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

Subject: May 2020 Bundle #1 MTIP Administrative Modification, #AB20-11-MAY1 Approval Request

Dear Gabriela:

In accordance with 23 CFR 450.328, Metro is submitting a Metro approved administrative modification bundle for ODOT review and approval for STIP inclusion. The May 2020 Administrative Modification #1 is under amendment number AB20-11-MAY1 and contains four projects as listed below

<b>Proposed May 2020 Administrative Modification Bundle #1</b> <b>Modification Number: AB20-11-MAY1</b> <b>Total Number of Projects: 4</b>				
ODOT Key	Lead Agency	Project Name	Description	Required Changes
Project #1 Key <b>20480</b>	ODOT	I-205 Exit Ramps at SE Division St	<del>Safety improvements on NB and SB I-205 exit ramps at SE Division Street. Work includes lane adjustments; ramp widening; safety islands; signal work; illumination; signing; and ADA improvements as necessary.</del> <b>Improvements on northbound and southbound I-205 exit ramps at SE Division Street. Work includes lane adjustments, ramp widening, safety islands, signal work, illumination, signing, resurfacing and curb ramps to increase safety at this location. Pave end panels and replace joints to the SE Division Street light rail crossing bridge.</b>	<u><b>DESCRIPTION CHANGE:</b></u> The admin mod added clarify to the project description. PE and ROW obligations are updated. The Construction phase fund type codes are updated and \$15k is added to the phase. There is no major scope change. A small cost increase of \$10k results from the changes.
Project #2 Key <b>19297</b>	Portland	East Portland Access to Employment and Education	At various locations in east Portland build and improve sidewalks, crossings, bus stops, bike facilities and other safety facilities to provide improved access to jobs, businesses, and education opportunities	<u><b>ADVANCE PHASE</b></u> The Other (UR) and Construction phases are being advanced from FY 2021 to FY 2020 to allow an early obligation to occur before September 2020
Project #3 Key <b>19327</b>	Tigard	Fanno Crk Trail: Woodard Pk to Bonita Rd/85th Ave - Tualatin BR	This project will construct four sections of the Fanno Creek Trail from Woodward Park to Bonita Road and 85th Avenue to Tualatin River Bridge in Tigard.	<u><b>COST INCREASE:</b></u> The admin mod adds \$100k of local overmatch to address needed Utility Relocation actions along with additional local funds to meet the revised construction phase cost estimate. The additional local funds totals \$1,036,637 and represent a 16.1% cost increase to the project.

				The cost increase does not include a scope change.
Project #4 Key <b>18311</b>	Tigard	Durham Rd/Upper Boones Ferry Rd. OR99W - I-5	Design upgrades to signal hardware and communication. Add adaptive signal timing and detection	<b><u>MINOR COST INCREASE</u></b> The admin mod increases the total PE obligation amount as a technical correction and adjusts the construction phase STP and overmatch ratio amounts. The changes result in a minor cost increase of \$80,373 which equals a 5.6% change to the project and is less than the 20% threshold.

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

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

Thank you for your time to review Metro's May 2020 Bundle #1, MTIP Administrative Modification approval request to the 2018 MTIP and STIP.

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

2018-21 Metropolitan Transportation Improvement Program (MTIP)

**Metro May 2020 Administrative Modification Bundle #1**

Modification Number: **AB20-11-MAY1**, Resolution: N/A

Number of projects within this amendment: **4 total**

Project Narratives



Proposed May 2020 Administrative Modification Bundle #1 Modification Number: AB20-11-MAY1 Total Number of Projects: 4				
ODOT Key	Lead Agency	Project Name	Description	Required Changes
Project #1 Key <b>20480</b>	ODOT	I-205 Exit Ramps at SE Division St	<p><del>Safety improvements on NB and SB I-205 exit ramps at SE Division street. Work includes lane adjustments; ramp widening; safety islands; signal work; illumination; signing; and ADA improvements as necessary.</del></p> <p><b>Improvements on northbound and southbound I-205 exit ramps at SE Division Street. Work includes lane adjustments, ramp widening, safety islands, signal work, illumination, signing, resurfacing and curb ramps to increase safety at this location. Pave end panels and replace joints to the SE Division Street light rail crossing bridge.</b></p>	<p><b>DESCRIPTION CHANGE:</b> The admin mod added clarify to the project description. PE and ROW obligations are updated. The Construction phase fund type codes are updated and \$15k is added to the phase. There is no major scope change. A small cost increase of \$10k results from the changes.</p>
Project #2 Key <b>19297</b>	Portland	East Portland Access to Employment and Education	At various locations in east Portland build and improve sidewalks, crossings, bus stops, bike facilities and other safety facilities to provide improved access to jobs, businesses, and education opportunities	<p><b>ADVANCE PHASE</b> The Other (UR) and Construction phases are being advanced from FY 2021 to FY 2020 to allow an early obligation to occur before September 2020</p>
Project #3 Key <b>19327</b>	Tigard	Fanno Crk Trail: Woodard Pk to Bonita Rd/85th Ave - Tualatin BR	This project will construct four sections of the Fanno Creek Trail from Woodward Park to Bonita Road and 85th Avenue to Tualatin River Bridge in Tigard.	<p><b>COST INCREASE:</b> The admin mod adds \$100k of local overmatch to address needed Utility Relocation actions along with additional local funds to meet the revised construction phase cost estimate. The additional local funds totals \$1,036,637 and represent a 16.1% cost increase to the project. The cost increase does not include a scope change.</p>
Project #4 Key <b>18311</b>	Tigard	Durham Rd/Upper Boones Ferry Rd. OR99W - I-5	Design upgrades to signal hardware and communication. Add adaptive signal timing and detection	<p><b>MINOR COST INCREASE</b> The admin mod increases the total PE obligation amount as a technical correction and adjusts the construction phase STP and overmatch ratio amounts. The changes result in a minor cost increase of \$80,373 which equals a 5.6% change to the project and is less than the 20% threshold.</p>

2018-21 Metropolitan Transportation Improvement Program (MTIP)

**Metro May 2020 Administrative Modification Bundle #1**

Modification Number: **AB20-11-MAY1**, Resolution: N/A

Number of projects within this amendment: **4 total**

Project Narratives



**Project Summary (#1)**

ODOT Key:	<b>20480</b>	MTIP ID: 71006
Project Type:	Existing	Completion Date: 12/31/2022
Name:	<b>I-205 Exit Ramps at SE Division St</b>	
Lead Agency:	<b>ODOT</b>	
Description:	<p><del>Safety improvements on NB and SB I-205 exit ramps at SE Division street. Work includes lane adjustments; ramp widening; safety islands; signal work; illumination; signing; and ADA improvements as necessary.</del></p> <p><b>Improvements on northbound and southbound I-205 exit ramps at SE Division Street. Work includes lane adjustments, ramp widening, safety islands, signal work, illumination, signing, resurfacing and curb ramps to increase safety at this location. Pave end panels and replace joints to the SE Division Street light rail crossing bridge.</b></p>	
Amending:	<p><b>DESCRIPTION CHANGE:</b> The project description is updated for clarity and to include a minor scope element addition. PE and ROW phase obligations are updated.</p>	

**Project Details**

- UPDATE Short Description as follows:  
DELETE → ~~Safety improvements on NB and SB I-205 exit ramps at SE Division street. Work includes lane adjustments; ramp widening; safety islands; signal work; illumination; signing; and ADA improvements as necessary.~~  
REPLACE WITH → **Improvements on northbound and southbound I-205 exit ramps at SE Division Street. Work includes lane adjustments, ramp widening, safety islands, signal work, illumination, signing, resurfacing and curb ramps to increase safety at this location. Pave end panels and replace joints to the SE Division Street light rail crossing bridge.**

Administrative Amendment

Justification

Minor cost increase and description modifications that do not involve major scope changes can occur as an administrative modification

**Project Funding**

Preliminary Engineering (PE) Phase:

- Move PE funds to their actual year of obligation as follows:
- DELETE federal HSIP fund type code (ZS30) FY 2020 PE phase cost of \$950,847
- DELETE federal ADVCON fund type code (ACP0) FY 2020 PE phase cost of \$4,000
- ADD federal HSIP fund type code (ZS30) FY 2017 PE phase cost of \$954,847
- Total PE phase programming amount remains unchanged at 9,54,847

Funding Change Details

Amendment submission items:

- ✓ Email amendment request
- ✓ STIP Summary Report
- ✓ STIP Impacts Worksheet
- ✓ MTIP Worksheet

The admin mod adds end panel paving (east panel only), joint replacement (east joint only), and blunt end treatment (northeast quadrant only) at structure #13528A (SE Division Street light rail crossing bridge) between MP 19.76 and 19.77. PE and ROW phase obligation amounts are updated. The construction swaps ADVCON for HSIP. A small cost

2018-21 Metropolitan Transportation Improvement Program (MTIP)

**Metro May 2020 Administrative Modification Bundle #1**

Modification Number: **AB20-11-MAY1**, Resolution: N/A

Number of projects within this amendment: **4 total**

Project Narratives



Right of Way (ROW) Phase:

- DELETE federal ADVCON fund type code (ACP0) FY 2020 ROW phase cost of \$105,000
- DELETE local Other fund type code (OTH0) FY 2020 ROW phase cost of \$15,000
- ADD federal HSIP fund type code (ZS30) FY 2020 ROW phase cost of \$101,295
- ADD State fund type code (S010) FY 2020 ROW phase cost of \$13,705
- Total ROW phase programmed amount decreases from \$120,000 to \$115,000

increase results which is less than 1%.  
There is no scope change.

Construction Phase:

- DECREASE federal ADVCON fund type code (ACP0) FY 2021 Construction phase cost from \$2,643,117 to \$364,459
- ADD federal HSIP fund type code (ZS30) FY 2021 Construction phase of \$2,212,117
- ADD State fund type code FY 2021 Construction phase cost of \$1,541
- Total Construction phase programming amount increases from \$2,643,117 to \$2,658,117
- Total project programming increases from \$3,717,964 to \$3,727,964

**MTIP Review & Certification Details**

- **Administrative Modification Authorized: Yes.** The description changes are minor and do not reflect a major scope change to the project.
- **Metro Legislation Required: No**
- **MTIP Eligibility Verification: Yes**
  - Includes federal transportation funds: **Yes**
  - Located on the Metro roadway network: **Yes**, the project is located on the Metro Motor Vehicle network
  - Provides transportation system improvement: **Yes**
- **Considered a Regionally Significant Project: Yes** – project has federal funds and is located on system
- **Fiscal Constraint Review and Verification: Yes.**
- **RTP Consistency Review: Yes**
  - **In Current RTP: Yes.** Project ID – 10295 –Safety and Operational Projects
  - **RTP Description:** Projects to improve safety or operational efficiencies such as pedestrian crossings of arterial roads, railroad crossing repairs, slide and rock fall protections, illumination, signals and signal operations systems that do not add motor vehicle capacity.
  - **RTP and MTIP Costs Consistent: Yes.**
- **Considered Included in ODOT O&M RTP Project Grouping: Yes**
  - Bridge Rehabilitate & Repair
  - Culvert Replacement & Repair
  - Highway Pavement Maintenance

**Metro May 2020 Administrative Modification Bundle #1**

Modification Number: **AB20-11-MAY1**, Resolution: N/A

Number of projects within this amendment: **4 total**

**Project Narratives**



○ **Safety and Operations Project**

- **Project located on the National Highway System (NHS): Yes.**
- **Capacity Enhancing Project: No:** The project is not a capacity enhancing project and is considered exempt under 40 CFR 93.126, Table 2 – Safety - Highway Safety Improvement Program implementation.
- **Satisfies 2018 RTP Goals and Strategies: Yes.** Goal #5 – Safety and Security
  - **Objective 5.1 –Transportation Safety**
  - **Description:** Eliminate fatal and severe injury crashes for all modes of travel.
- **MPO Responsibilities/Public Notification included: No** Administrative Modifications are not subject to the 30 –day Public Notification/Opportunity to comment process.
- **OTC action required: No.** OTC approval was not required for this Administrative Modification
- **JPACT & Metro Council action required: No.** JPACT and Metro Council approval were not required for this Administrative Modification



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

**Administrative Modification**  
**DESCRIPTION CHANGE**  
3rd Amendment to Project

<b>Lead Agency:</b> ODOT		Project Type:	Safety O&M	<b>ODOT Key:</b>	<b>20480</b>
<b>Project Name:</b> I-205 Exit Ramps at SE Division St	1	ODOT Type	Safety	<b>MTIP ID:</b>	<b>71006</b>
		Capacity Enhancing:	No	<b>Status:</b>	<b>5</b>
		Conformity Exempt:	Yes	<b>Comp Date</b>	<b>12/31/2022</b>
		Performance Meas:	Yes	RTP ID:	12095
		On State Hwy Sys:	Yes	RFFA ID:	N/A
		Mile Post Begin:	19.61	RFFA Cycle:	N/A
		Mile Post End:	19.80	UPWP:	No
		Length:	0.19	UPWP Cycle:	N/A
		1st Year Program'd:	2017	Past Amend:	2
		Years Active:	4	OTC Approval:	No
		STIP Amend#: 18-21-3857		MTIP Amend#: AB20-11-MAY1	
<b>Project Status:</b> 5 = (RW ) Right-of Way activities initiated including R/W acquisition and/or utilities relocation.					
<b>Short Description:</b> <del>Safety improvements on NB and SB I-205 exit ramps at SE Division street. Work includes lane adjustments; ramp widening; safety islands; signal work; illumination; signing; and ADA improvements as necessary.</del> Improvements on northbound and southbound I-205 exit ramps at SE Division Street. Work includes lane adjustments, ramp widening, safety islands, signal work, illumination, signing, resurfacing and curb ramps to increase safety at this location. Pave end panels and replace joints to the SE Division Street light rail crossing bridge.					
<b>Detailed Description:</b> None					
<b>STIP Description:</b> <del>Safety improvements on NB and SB I-205 exit ramps at SE Division street. Work includes lane adjustments, ramp widening, safety islands, signal work, illumination, signing, resurfacing and ADA improvements as necessary.</del> Improvements on northbound and southbound I-205 exit ramps at SE Division Street. Work includes lane adjustments, ramp widening, safety islands, signal work, illumination, signing, resurfacing and curb ramps to increase safety at this location. Pave end panels and replace joints to the SE Division Street light rail crossing bridge.					
LAST Amendment or Admin Mod: AB19- 20-SEP1. PHASE SLIP - September 2019 Admin Mod: SLIP ROW to 2020. Add \$70k from Cons (HSIP) and change to ADVCON in ROW. No Cons backfill. Minor scope change and updated ROW requirement drive ROW change. TPC remains unchanged at \$3,717,964. - KL					

**PROJECT FUNDING DETAILS**

Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Other (Utility Relocation)	Construction	Total
<b>Federal Funds</b>								
HSIP	ZS30	2020	-	\$ <del>950,847</del>				\$ -
HSIP	ZS30	2017		\$ 954,847				\$ 954,847
ADVCON	ACP0	2020		\$ <del>4,000</del>				\$ -
ADVCON	ACP0	2020			\$ <del>105,000</del>			\$ -
HSIP	ZS30	2020			\$ 101,295			\$ 101,295
ADVCON	ACP0	2021					\$ <del>2,643,117</del>	\$ -
ADVCON	ACP0	2021					\$ 364,459	\$ 364,459
HSIP	ZS30	2021					\$ 2,292,117	\$ 2,292,117
Note: HSIP/ADVCON in PE and Cons phases are 100% federal							<b>Federal Totals:</b>	<b>\$ 3,712,718</b>
<b>Fund Obligations Amount:</b>				\$ 954,847	\$ 115,000			Fed Aid Id #
<b>EA Number:</b>				PE002808	R9456000			S064(008)
<b>Initial Obligation Date:</b>				6/29/2017	10/21/2019			
<b>State Funds</b>								
State	S010	2020			\$ 13,705			\$ 13,705
State	S010	2021					\$ 1,541	\$ 1,541
								\$ -
							<b>State Total:</b>	<b>\$ 15,246</b>
<b>State Fund Obligations Amount:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								
<b>Local Funds</b>								
Other	OTH0	2020		-	\$ <del>15,000</del>			\$ -
								\$ -
							<b>Local Total</b>	<b>\$ -</b>
Phase Totals Before Amend:			\$ -	\$ 954,847	\$ <del>120,000</del>	\$ -	\$ <del>2,643,117</del>	\$ <del>3,717,964</del>
Phase Totals After Amend:			\$ -	\$ 954,847	\$ 115,000	\$ -	\$ 2,658,117	\$ 3,727,964
Year Of Expenditure (YOE):								\$ 3,727,964



**Notes and Changes**

> Exempt Status: Exempt project per 40 CFR 93.126, Table 2 - Safety - Projects that correct, improve, or eliminate a hazardous location or feature.

**Reason for Modification and Summary of Changes plus Impacts:**

The Admin Mod updates the project description and complete PE and ROW ADVCON obligation conversions. Construction phase increased by \$15k to include minor bridge scope addition. Total project cost increases by \$10k which equals a less than a 1% cost increase to the project. There is no scope change to the project.

**References and Additional Notes:**

- > Admin Mod Eligible: Minor description changes are eligible to be completed as an administrative modification
- > 2018 RTP ID: 12095 - Safety and Operations Projects
- > RTP Description: Projects to improve safety or operational efficiencies such as pedestrian crossings of arterial roads, railroad crossing repairs, slide and rock fall protections, illumination, signals and signal operations systems, that do not add motor vehicle capacity.
- > Modeling network: I-205 is identified in the Metro Motor Vehicle network
- > Model Type: Throughway
- > NHS: Yes - Identified as part of the Eisenhower Interstate System
- > TCM Project: No
- > Performance Measurements Apply: Yes - Safety
- > ODOT Local Agency Liaison: N/A
- > Project Manager: N/A
- > Added Remarks: N/A

2018-21 Metropolitan Transportation Improvement Program (MTIP)

**Metro May 2020 Administrative Modification Bundle #1**

Modification Number: **AB20-11-MAY1**, Resolution: N/A

Number of projects within this amendment: **4 total**

Project Narratives



Project Summary (#2)		
ODOT Key:	19297	MTIP ID: 70675
Project Type:	Existing	Completion Date: 12/31/2021
Name:	East Portland Access to Employment and Education	
Lead Agency:	Portland	
Description:	At various locations in east Portland build and improve sidewalks, crossings, bus stops, bike facilities and other safety facilities to provide improved access to jobs, businesses, and education opportunities	
Amending:	ADVANCE PHASE The Other (UR) and Construction phases are being advanced from FY 2021 to FY 2020 allowing both to obligate before the end of FY 2020.	
Project Details		Administrative Amendment Justification Project phase advancements form a later constrained year to the current year for early obligation needs are allowed as administrative modifications
- No changes		
Project Funding		Funding Change Details
<u>Preliminary Engineering (PE) Phase:</u> - No changes - Total PE phase programming amount remains unchanged at \$1,704,646		Amendment submission items: ✓ Email request for amendment ✓ Approved PCR ✓ MTIP Worksheet
<u>Right-of-Way (ROW) Phase:</u> - No changes - Total ROW phase programming amount remains unchanged at \$613,298		Both phases had been slipped to FY 2021 due to issues related to compliance with ODOT General Conditions. This was expected to delay construction for at six months and pushed the obligation window into FY 2021. Since then Portland has moved forward to resolve the issues and comply with the General Conditions to now allow the Other and Construction phases to obligate this summer during FY 2020.
<u>Other (Utility Relocation) Phase:</u> - DELETE local Other fund type code (OTH0) FY 2021 Other/UR phase cost of \$80,000 - ADD local Other fund type code (OTH0) FY 2020 Other/UR phase cost of \$80,000 - Total Other phase programmed amount remains unchanged at \$80,000		
<u>Construction Phase:</u> - DELETE federal STBG-U fund type code (Z230) FY 2021 Construction phase cost of \$3,737,420 - DELETE Local fund type code (match to STBG) FY 2021 Construction phase cost of \$427,764 - DELETE local Other fund type code (OTH0 – overmatch) FY 2021 Construction phase cost of \$5,205,001 - ADD federal STBG-U fund type code (Z230) FY 2020 Construction phase cost of \$3,737,420		

2018-21 Metropolitan Transportation Improvement Program (MTIP)

**Metro May 2020 Administrative Modification Bundle #1**

Modification Number: **AB20-11-MAY1**, Resolution: N/A

Number of projects within this amendment: **4 total**

Project Narratives



- ADD Local fund type code (match to STBG) **FY 2020**  
Construction phase cost of \$427,764
- ADD local Other fund type code (OTH0 – overmatch) **FY 2020**  
Construction phase cost of \$5,205,001
- Total Construction phase programming amount remains unchanged at \$9,370,185
- Total project programming remains unchanged at \$11,768,129

**MTIP Review & Certification Details**

- **Administrative Modification Authorized: Yes.** Advancing phases within constrained ears are eligible as an administrative modifications
- **Metro Legislation Required: No**
- **MTIP Eligibility Verification: Yes**
  - Includes federal transportation funds: **Yes**
  - Located on the Metro roadway network: **Yes**, Various locations on the Pedestrian modeling network
  - Provides transportation system improvement: **Yes**
- **Considered a Regionally Significant Project: Yes** – project has federal funds and is located on system
- **Fiscal Constraint Review and Verification: Yes.**
- **RTP Consistency Review: Yes**
  - **In Current RTP: Yes.** Project ID – 10312 - Eastside MAX Station Pedestrian Improvements (2015 RTP - 11196)
  - **RTP Description:** Retrofit existing streets along eastside MAX and at intersecting streets to include better sidewalks and crossings, curb extensions, bus shelters, and benches at 122nd, 148th, and 162nd stations.
  - **RTP and MTIP Costs Consistent: Yes.**
- **Considered Included in ODOT O&M RTP Project Grouping: No**
  - Bridge Rehabilitate & Repair
  - Culvert Replacement & Repair
  - Highway Pavement Maintenance
  - Safety and Operations Project
- **Project located on the National Highway System (NHS): No.**
- **Capacity Enhancing Project: No:** The project is no a capacity enhancing project and is considered exempt under 40 CFR 93.126, Table 2 – Safety - Projects that correct, improve, or eliminate a hazardous location or feature.
- **Satisfies 2018 RTP Goals and Strategies: Yes.** Goal #5 – Safety and Security
  - **Objective 5.1 – Transportation Safety**
  - **Description:** Eliminate fatal and severe injury crashes for all modes of travel.
- **MPO Responsibilities/Public Notification included: No** Administrative Modifications are not subject to the 30 –day Public Notification/Opportunity to comment process.
- **OTC action required: No.** OTC approval was not required for this Administrative Modification
- **JPACT & Metro Council action required: No.** JPACT and Metro Council approval were not required for this Administrative Modification



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

**Administrative Modification**  
**ADVANCE PHASE**  
9th Amendment to Project

<b>Lead Agency:</b> Portland		<b>Project Type:</b> Active Trns		<b>ODOT Key:</b> 19297
<b>Project Name:</b> East Portland Access to Employment and Education	2	<b>ODOT Type</b> BikePed		<b>MTIP ID:</b> 70675
		<b>Capacity Enhancing:</b> No		<b>Status:</b> 5
		<b>Conformity Exempt:</b> Yes		<b>Comp Date</b> 12/31/2021
		<b>Performance Meas:</b> Yes		<b>RTP ID:</b> 10312
<b>Project Status:</b>		<b>On State Hwy Sys:</b> No		<b>RFFA ID:</b> 50215
<b>Short Description:</b> At various locations in east Portland build and improve sidewalks, crossings, bus stops, bike facilities and other safety facilities to provide improved access to jobs, businesses, and education opportunities		<b>Mile Post Begin:</b> N/A		<b>RFFA Cycle:</b> 2016-18
		<b>Mile Post End:</b> N/A		<b>UPWP:</b> No
		<b>Length:</b> N/A		<b>UPWP Cycle:</b> N/A
		<b>1st Year Program'd:</b> 2017		<b>Past Amend:</b> 8
		<b>Years Active:</b> 4		<b>OTC Approval:</b> No
		<b>STIP Amend#:</b> TBD		<b>MTIP Amend#:</b> AB20-11-MAY1
<b>Detailed Description:</b> In east Portland on SE Cherry Blossom Dr, 102nd Ave & 103rd Ave between Washington Street and Market St, SE Market Street from 92nd to 130th, SE Bush St to NE Klickitat St and from NE Halsey St to SE Powell Blvd, build and improve sidewalks, crossings, bus stops, bike facilities and other safety facilities to provide improved access to jobs, businesses, and education opportunities				
<b>STIP Description:</b> Build and improve sidewalks, crossings, bus stops, bike facilities and other safety facilities to provide improved access to jobs, businesses, and education opportunities				

LAST Amendment or Admin Mod: AB20-05-DEC2, December 2019. Slip Other and Construction phases to 2021 due general conditions compliance issues with ODOT

**PROJECT FUNDING DETAILS**

Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Other (Utility Relocation)	Construction	Total
<b>Federal Funds</b>								
STP-U	Z230	2017		\$ 1,529,579				\$ 1,529,579
<del>STBG-U</del>	<del>Z230</del>	<del>2021</del>					<del>\$ 3,737,420</del>	\$ -
STBG-U	Z230	2020					\$ 3,737,420	\$ 3,737,420
								\$ -
							<b>Federal Totals:</b>	<b>\$ 5,266,999</b>
<b>Fund Obligations Amount:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								
<b>State Funds</b>								
								\$ -
							<b>State Total:</b>	<b>\$ -</b>
<b>State Fund Obligations Amount:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								
<b>Local Funds</b>								
Local	Match	2017		\$ 175,067				\$ 175,067
Other	OTH0	2019			\$ 613,298			\$ 613,298
<del>Other</del>	<del>OTH0</del>	<del>2021</del>				<del>\$ 80,000</del>		\$ -
Other	OTH0	2020				\$ 80,000		\$ 80,000
<del>Local</del>	<del>Match</del>	<del>2021</del>					<del>\$ 427,764</del>	\$ -
Local	Match	2020					\$ 427,764	\$ 427,764
<del>Other</del>	<del>OTH0</del>	<del>2021</del>					<del>\$ 5,205,001</del>	
Other	OTH0	2020					\$ 5,205,001	\$ 5,205,001
							<b>Local Total</b>	<b>\$ 6,501,130</b>
Phase Totals Before Amend:			\$ -	\$ 1,704,646	\$ 613,298	\$ 80,000	\$ 9,370,185	\$ 11,768,129
Phase Totals After Amend:			\$ -	\$ 1,704,646	\$ 613,298	\$ 80,000	\$ 9,370,185	\$ 11,768,129
Year Of Expenditure (YOE):								\$ 11,768,129

**Notes and Changes**

> Exempt Status: Exempt project per 40 CFR 93.126, Table 2 - Safety - Projects that correct, improve, or eliminate a hazardous location or feature.

**Reason for Modification and Summary of Changes plus Impacts:**

The Admin Mod advances the Other (UR) and Construction phases from FY 2021 to FY 2020 to obligate before September, 2020. Both phases had been slipped to FY 2021 based on issues related to general conditions compliance. However, the issues surrounding the conditions have been resolved allowing both phases to now obligate before the end of FFY 2020.

**References and Additional Notes:**

> Admin Mod Eligible: Advancing a project phase from a future constrained year to the current year may occur as an admin modification.

> 2018 RTP ID: 10312 - Eastside MAX Station Pedestrian Improvements (2015 RTP - 11196)

> RTP Description: . Retrofit existing streets along eastside MAX and at intersecting streets to include better sidewalks and crossings, curb extensions, bus shelters, and benches at 122nd, 148th, and 162nd stations.

> Modeling network: Pedestrian model

> Model Type: Varios - pedestrian parkways

> NHS: No

> TCM Project: No

> Performance Measurements Apply: Yes - safety

> ODOT Local Agency Liaison: Jonathan Horowitz

> Project Manager: N/A

2018-21 Metropolitan Transportation Improvement Program (MTIP)

**Metro May 2020 Administrative Modification Bundle #1**

Modification Number: **AB20-11-MAY1**, Resolution: N/A

Number of projects within this amendment: **4 total**

Project Narratives



Project Summary (#3)		
ODOT Key:	19327	MTIP ID: 70690
Project Type:	Existing	Completion Date: 12/31/2022
Name:	Fanno Crk Trail: Woodard Pk to Bonita Rd/85th Ave - Tualatin BR	
Lead Agency:	Tigard	
Description:	This project will construct four sections of the Fanno Creek Trail from Woodward Park to Bonita Road and 85th Avenue to Tualatin River Bridge in Tigard.	
Amending:	<b><u>COST INCREASE</u></b> A UR phase is added along with additional local funds for the construction phase to cover the construction revised cost.	
Project Details		Administrative Amendment Justification
- No changes		Cost changes less than 20% may occur as an administrative modification
Project Funding		Funding Change Details
<u>Preliminary Engineering (PE) Phase:</u> <ul style="list-style-type: none"><li>- No changes</li><li>- Total PE phase programming amount remains unchanged at \$1,283,000</li></ul>		Amendment submission items: <ul style="list-style-type: none"><li>✓ Email Request</li><li>✓ Approved PCR</li><li>✓ STIP Impacts Worksheet</li></ul> The administrative modification adds a locally funded UR phase and adds local funding to the construction phase to address the construction phase's revised cost estimate. The cost increase of \$1,036,637 represents a 16.1% cost increase to the project which is less than the 20% threshold.
<u>Right of Way (ROW) Phase:</u> <ul style="list-style-type: none"><li>- No changes</li><li>- Total ROW programmed amount remains unchanged at \$278,614</li></ul>		
<u>Other (Utility Relocation) Phase</u> <ul style="list-style-type: none"><li>- ADD local Other fund type code (OTH0) FY 2020 Other/UR phase cost of \$100,000.</li><li>- Total Other/UR phase programmed amount is \$100,000</li></ul>		
<u>Construction Phase:</u> <ul style="list-style-type: none"><li>- INCREASE local Other fund type code (OTH0) FY 2021 Construction phase cost from \$1,500,000 to \$2,436,637 Total Construction phase programming amount increases from \$4,843,363 to \$5,780,000.</li><li>- Total project programmed amount increases from \$6,404,977 to \$7,441,614</li></ul>		
MTIP Review & Certification Details		
<ul style="list-style-type: none"><li>• <b>Administrative Modification Authorized: Yes.</b> Cost increase less than the 20% threshold can occur as an administrative modification</li><li>• <b>Metro Legislation Required: No</b></li><li>• <b>MTIP Eligibility Verification: Yes</b><ul style="list-style-type: none"><li>○ Includes federal transportation funds: <b>Yes</b></li></ul></li></ul>		

**Metro May 2020 Administrative Modification Bundle #1**

Modification Number: **AB20-11-MAY1**, Resolution: N/A

Number of projects within this amendment: **4 total**

**Project Narratives**



- Located on the Metro roadway network: **Yes**, the project is located on the Metro Pedestrian modeling network
  - Provides transportation system improvement: **Yes**
- **Considered a Regionally Significant Project: Yes** – project has federal funds and is located on system
- **Fiscal Constraint Review and Verification: Yes.**
- **RTP Consistency Review: Yes**
  - **In Current RTP: Yes.** Project ID – 10766 - Regional Trail Gap Closure
  - **RTP Description:** Infill gaps in regional trail network. Affected trails include Fanno Creek, Washington Square Loop and Westside Trails.
  - **RTP and MTIP Costs Consistent: Yes.**
- **Considered Included in ODOT O&M RTP Project Grouping: No**
  - Bridge Rehabilitate & Repair
  - Culvert Replacement & Repair
  - Highway Pavement Maintenance
  - Safety and Operations Project
- **Project located on the National Highway System (NHS): No**
- **Capacity Enhancing Project: No:** The project is not a capacity enhancing project and is considered exempt under 40 CFR 93.126, Table 2 – Air Quality - Bicycle and pedestrian facilities.
- **Satisfies 2018 RTP Goals and Strategies: Yes.** Goal #3 – Transportation Choices
  - **Objective 3.2 – Active Transportation System Completion**
  - **Description:** Complete all gaps in regional bicycle and pedestrian networks.
- **MPO Responsibilities/Public Notification included: No** Administrative Modifications are not subject to the 30 –day Public Notification/Opportunity to comment process.
- **OTC action required: No.** OTC approval was not required for this Administrative Modification
- **JPACT & Metro Council action required: No.** JPACT and Metro Council approval were not required for this Administrative Modification





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

**Administrative Modification**  
**COST INCREASE**  
7th Amendment to Project

<b>Lead Agency:</b> Tigard		<b>Project Type:</b> Active Trns		<b>ODOT Key:</b> 19327
<b>Project Name:</b> Fanno Crk Trail: Woodard Pk to Bonita Rd/85th Ave - Tualatin BR	<b>3</b>	<b>ODOT Type</b> BikePed		<b>MTIP ID:</b> 70690
		<b>Capacity Enhancing:</b> No		<b>Status:</b> 5
<b>Project Status:</b> 5 = (RW ) Right-of Way activities initiated including R/W acquisition and/or utilities relocation.		<b>Conformity Exempt:</b> Yes		<b>Comp Date</b> 12/21/2022
		<b>Performance Meas:</b> Yes		<b>RTP ID:</b> 10766
<b>Short Description:</b> This project will construct four sections of the Fanno Creek Trail from Woodward Park to Bonita Road and 85th Avenue to Tualatin River Bridge in Tigard.		<b>On State Hwy Sys:</b> No		<b>RFFA ID:</b> 50261
		<b>Mile Post Begin:</b> N/A		<b>RFFA Cycle:</b> 2016-18
		<b>Mile Post End:</b> N/A		<b>UPWP:</b> No
		<b>Length:</b> N/A		<b>UPWP Cycle:</b> N/A
		<b>1st Year Program'd:</b> 2017		<b>Past Amend:</b> 6
		<b>Years Active:</b> 4		<b>OTC Approval:</b> No
		<b>STIP Amend#:</b> TBD		<b>MTIP Amend#:</b> AB20-11-MAY1
<b>Detailed Description:</b> This project will construct four sections of the Fanno Creek Trail in Tigard: 1) Woodard Park to Grant Avenue; 2) Main Street to Hall Boulevard; 3) Tigard Library to Bonita Road, and 4) 85th Avenue to Tualatin River Bridge. Design elements consist of an elevated trail for the Woodard to Grant segment, removal of the existing trail and realigning the new trail for the Main to Hall segment, and a new at-grade trail for the Tigard library to Bonita Road and 85th Avenue to Tualatin River Bridge segments.				
<b>STIP Description:</b> Construct four sections of the Fanno Creek Trail from Woodward Park to Bonita Road and 85th Avenue to Tualatin River Bridge in Tigard.				

LAST Amendment or Admin Mod: November 2019, NV20-03-NOV - COST INCREASE - The latest update to the Project Specifications and Estimates (PS&E) indicated a revised construction cost of \$1.5 million to complete the project which is being addressed through this amendment

**PROJECT FUNDING DETAILS**

Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Other (Utility Relocation)	Construction	Total
<b>Federal Funds</b>								
CMAQ	Z400	2017		\$ 1,151,236				\$ 1,151,236
CMAQ	Z400	2020			\$ 250,000			\$ 250,000
CMAQ	2021	2021					\$ 3,000,000	\$ 3,000,000
								\$ -
Note: State Bridge program funded							<b>Federal Totals:</b>	<b>\$ 4,401,236</b>
<b>Fund Obligations Amount:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								
<b>State Funds</b>								
								\$ -
							<b>State Total:</b>	<b>\$ -</b>
<b>State Fund Obligations Amount:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								
<b>Local Funds</b>								
Local	Match	2017		\$ 131,764				\$ 131,764
Local	Match	2020			\$ 28,614			\$ 28,614
Other	OTH0	2020				\$ 100,000		\$ 100,000
Local	Match	2021					\$ 343,363	\$ 343,363
Other	OTH0	2021					<del>\$ 1,500,000</del>	
Other	OTH0	2021					\$ 2,436,637	\$ 2,436,637
								\$ -
							<b>Local Total</b>	<b>\$ 3,040,378</b>
Phase Totals Before Amend:			\$ -	\$ 1,283,000	\$ 278,614	\$ -	<del>\$ 4,843,363</del>	<del>\$ 6,404,977</del>
Phase Totals After Amend:			\$ -	\$ 1,283,000	\$ 278,614	\$ 100,000	\$ 5,780,000	\$ 7,441,614
Year Of Expenditure (YOE):								\$ 7,441,614

**Notes and Changes**

> Exempt Status: Exempt project per 40 CFR 93.126, Table 2 - Safety - Projects that correct, improve, or eliminate a hazardous location or feature.

**Reason for Modification and Summary of Changes plus Impacts:**

The Admin Mod adds \$100k of local overmatch to address needed Utility Relocation actions along with additional local funds to meet the revised construction phase cost estimate. The additional local funds totals \$1,036,637 and represent a 16.1% cost increase to the project. The cost increase does not include a scope change.

**References and Additional Notes:**

- > Admin Mod Eligible: The 16.1% cost increase to the project is less than the 20% threshold.
- > 2018 RTP ID: 10766 - Regional Trail Gap Closure
- > RTP Description: Infill gaps in regional trail network. Affected trails include Fanno Creek, Washington Square Loop and Westside Trails.
- > Modeling network: Yes
- > Model Type: Pedestrian
- > NHS: No
- > TCM Project: Yes
- > Performance Measurements Apply: CMAQ
- > ODOT Local Agency Liaison: Justin Bernt
- > Project Manager: N/A
- > Added Remarks: N/A

2018-21 Metropolitan Transportation Improvement Program (MTIP)

**Metro May 2020 Administrative Modification Bundle #1**

Modification Number: **AB20-11-MAY1**, Resolution: N/A

Number of projects within this amendment: **4 total**

Project Narratives



Project Summary (#4)		
ODOT Key:	18311	MTIP ID: 70647
Project Type:	Existing	Completion Date: 12/31/2031
Name:	Durham Rd/Upper Boones Ferry Rd. OR99W - I-5	
Lead Agency:	Tigard	
Description:	Design upgrades to signal hardware and communication. Add adaptive signal timing and detection	
Amending:	MINOR COST INCREASE The Admin Mod increases the total PE obligation amount as a technical correction and adjusts the construction phase STP and overmatch ratio amounts.	
Project Details		Administrative Amendment Justification
- No changes		Cost increases less than 20% may occur as administrative modifications
Project Funding		Funding Change Details
Preliminary Engineering (PE): <ul style="list-style-type: none"><li>- DECREASE federal STP&gt;200K fund type code (Z230) FY 2016 PE phase cost from \$291,300 to \$72,119</li><li>- DECREASE Local fund type code (match to STP) FY 2016 PE phase cost from \$33,241 to \$8,254</li><li>- ADD federal Equity B fund type code (LZ1E) FY 2016 PE phase cost of \$291,300</li><li>- ADD Local fund type code (match to Equity B) FY 2016 PE phase cost of \$3,341</li><li>- Total PE programmed amount increases from \$324,641 to \$405,014</li></ul>		Amendment submission items: <ul style="list-style-type: none"><li>✓ Email Request</li><li>✓ STIP Summary Report</li><li>✓ Approved PCR</li><li>✓ MTIP Worksheet</li></ul> The admin mod updates the PE phase obligation amounts and increases PE. The construction phase overmatch ration is adjusted as well. The changes result in a total project cost increase of \$80,373 which equals a 5.6% cost change to the project and is less than the 20% threshold.
Other/Utility Relocation Phase: <ul style="list-style-type: none"><li>- No changes</li><li>- Total Other/UR phase programmed amount remains unchanged at \$478,818</li></ul>		
Construction Phase: <ul style="list-style-type: none"><li>- DECREASE federal STP&gt;200K fund type code (ZS30) FY 2021 Construction phase cost from \$279,056 to \$206,938</li><li>- DECREASE Local fund type code (match to STP) FY 2021 Construction cost from \$31,939 to \$23,685</li><li>- INCREASE local Other fund type code (OTH0) FY 2021 Construction phase cost from \$309,459 to \$389,831</li><li>- Total Construction phase programming amount remains unchanged at \$620,484</li><li>- Total project programming remains increases from 1,423,913 to \$1,504,286</li></ul>		



### MTIP Review & Certification Details

- **Administrative Modification Authorized: Yes.** Cost increases less than 20% are authorized to occur as administrative modifications.
- **Metro Legislation Required: No**
- **MTIP Eligibility Verification: Yes**
  - Includes federal transportation funds: **No**
  - Located on the Metro roadway network: **Yes**, the project is located on the Metro Motor Vehicle modeling network
  - Provides transportation system improvement: **Yes**
- **Considered a Regionally Significant Project: Yes** – project is located on system
- **Fiscal Constraint Review and Verification: Yes.**
- **RTP Consistency Review: Yes**
  - **In Current RTP: Yes.** Project ID – 11104 - Regional TSMO Program Investments for 2018-2027
  - **RTP Description:** implement and maintain Transportations System Management and Operations (TSMO) investments used by multiple agencies (e.g., Central Signal System, traffic signal priority, data communications and archiving) and coordinate response to crashes. The regional program also includes strategy planning (e.g., periodic TSMO Strategy updates), coordination of activities for TransPort subcommittee to TPAC, updates to the blueprints for agency software and hardware systems (ITS Architecture), improving traveler information with live-streaming data for connected vehicle and mobile information systems (TripCheck Traveler Information Portal Enhancement), and improving “big data” processing (PSU PORTAL) to support analyzing performance measures.
  - **RTP and MTIP Costs Consistent: Yes.**
- **Considered Included in ODOT O&M RTP Project Grouping: No**
  - Bridge Rehabilitate & Repair
  - Culvert Replacement & Repair
  - Highway Pavement Maintenance
  - Safety and Operations Project
- **Project located on the National Highway System (NHS): Yes**
- **Capacity Enhancing Project: No.** The project is not a capacity enhancing project and is considered exempt under 40 CFR 93.126, Table 2 – Safety – Traffic control devices and operating assistance other than signalization projects.
- **Satisfies 2018 RTP Goals and Strategies: Yes.** Goal #4 – Reliability and Efficiency
  - **Objective 4.1 – Travel Management**
  - **Description:** Eliminate Increase the use of real-time data and decision-making systems to actively manage transit, freight, arterial and throughway corridors.
- **MPO Responsibilities/Public Notification included: No** Administrative Modifications are not subject to the 30 –day Public Notification/Opportunity to comment process.
- **OTC action required: No.** OTC approval was not required for this Administrative Modification
- **JPACT & Metro Council action required: No.** JPACT and Metro Council approval were not required for this Administrative Modification



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

**Administrative Modification**  
**MINOR COST INCREASE**  
11th Amendment to Project

<b>Lead Agency:</b> Tigard		Project Type:	TSMO/ITS		<b>ODOT Key:</b>	<b>18311</b>
<b>Project Name:</b> <b>Durham Rd/Upper Boones Ferry Rd. OR99W - I-5</b>	<b>4</b>	ODOT Type	OP/ITS		<b>MTIP ID:</b>	<b>70647</b>
		Capacity Enhancing:	No		<b>Status:</b>	<b>5</b>
<b>Project Status:</b> 5 = (RW ) Right-of Way activities initiated including R/W acquisition and/or utilities relocation.		Conformity Exempt:	Yes		<b>Comp Date</b>	<b>12/31/2021</b>
		Performance Meas:	Yes		RTP ID:	11104
<b>Short Description:</b> Design upgrades to signal hardware and communication. Add adaptive signal timing and detection		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:	2015		Past Amend:	10
		Years Active:	6		OTC Approval:	No
		STIP Amend#:	18-21-3477		MTIP Amend#:	AB20-11-MAY1
<b>Detailed Description:</b> Design upgrades to signal hardware and communication. Add adaptive signal timing and detection						
<b>STIP Description:</b> Design upgrades to signal hardware and communication. Add adaptive signal timing and detection						

LAST Amendment or Admin Mod: AB20-09-MAR1 - COST INCREASE: \$185k shifted from Construction phase to Other phase to address funding shortfall. Local funds backfilled Construction phase.

**PROJECT FUNDING DETAILS**

Fund Type	Fund Code	Year	Planning	Preliminary Engineering	Right of Way	Other (Utility Relocation)	Construction	Total
<b>Federal Funds</b>								
<del>STP&gt;200K</del>		<del>2016</del>		<del>\$ 291,300</del>				
STP>200K	Z230	2016		\$ 72,119				\$ 72,119
Equity B	LZ1E	2016		\$ 291,300				\$ 291,300
STP>200K	M23E Z230	2016				\$ 429,643		\$ 429,643
<del>STP&gt;200K</del>	<del>Z230</del>	<del>2021</del>					<del>\$ 279,056</del>	
STP>200K	Z230	2021					\$ 206,938	\$ 206,938
Note: State Bridge program funded							<b>Federal Totals:</b>	<b>\$ 1,000,000</b>
<b>Fund Obligations Amount:</b>								
<b>EA Number:</b>								
<b>Initial Obligation Date:</b>								
<b>State Funds</b>								
								\$ -
							<b>State Total:</b>	<b>\$ -</b>
<b>Local Funds</b>								
<del>Local</del>	<del>Match</del>	<del>2016</del>		<del>\$ 33,341</del>				\$ -
Local	Match	2016		\$ 8,254				\$ 8,254
Local	Match	2016		\$ 33,341				\$ 33,341
Local	Match	2016				\$ 49,175		\$ 49,175
<del>Local</del>	<del>Match</del>	<del>2021</del>				-	<del>\$ 31,939</del>	
Local	Match	2021					\$ 23,685	\$ 23,685
<del>Other</del>	<del>OTH0</del>	<del>2021</del>					<del>\$ 309,459</del>	
Other	OTH0	2021					\$ 389,831	\$ 389,831
							<b>Local Total</b>	<b>\$ 504,286</b>
Phase Totals Before Amend:			\$ -	<del>\$ 324,641</del>	\$ -	\$ 478,818	\$ 620,454	<del>\$ 1,423,913</del>
Phase Totals After Amend:			\$ -	\$ 405,014	\$ -	\$ 478,818	\$ 620,454	\$ 1,504,286
Year Of Expenditure (YOE):								\$ 1,504,286

**Notes and Changes**

> Exempt Status: Exempt project per 40 CFR 93.126, Table 2 - Safety - Traffic control devices and operating assistance other than signalization projects.

**Reason for Modification and Summary of Changes plus Impacts:**

\_ The Admin Mod updates the PE phase obligation amounts and increases PE. The construction phase overmatch ration is adjusted as well. The changes result in a total project cost increase of \$80,373 which equals a 5.6% cost change to the project and is less than the 20% threshold.

**References and Additional Notes:**

> Admin Mod Eligible: The 5.6% cost increase to the project is less than the 20% threshold.

> 2018 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.

> Modeling network: Yes - Motor Vehicle

> Model Type: Major and minor arterials

> NHS: Yes

> TCM Project: No

> Performance Measurements Apply: ITS/Safety

> ODOT Local Agency Liaison: Mahasti Hastings

> Project Manager: N/A

> Added Remarks: N/A