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June 30, 2021

Mr. Gregory Murrill  
Division Administrator  
Attn: Dr. Kwame Arhin  
Federal Highway Administration  
Maryland Division  
George H. Fallon Federal Building  
31 Hopkins Plaza, Suite 1520  
Baltimore MD 21201

Ms. Terry Garcia Crews  
Regional Administrator  
Attn: Mr. Ryan Long  
Federal Transit Administration  
1760 Market Street, Suite 500  
Philadelphia PA 19103

Dear Mr. Murrill and Ms. Crews:

The Maryland Department of Transportation (MDOT) hereby amends the highway portion of the Fiscal Year (FY) 2019 – 2022 Maryland Statewide Transportation Improvement Program (STIP). The MDOT has assigned Control #19-130 for this amendment, and the supporting documentation is attached.

The first project is the Transportation Systems Management & Operations (TSMO) Education and Outreach (AT020F). This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AT020F, and the addition of \$75,000 to AT020F funding. This project enables MDOT SHA to educate MDOT SHA offices and districts about its transportation systems management and operations (TSMO) program as well as disseminate information on the latest TSMO systems and technology. The project will develop and implement a statewide TSMO education and outreach program for MDOT SHA. The funding added by this amendment covers MDOT SHA's programmed expenditures for FY 2022.

The next project is the Office of Materials and Testing (OMT) Pavement Engineering Procedural Enhancements (AW2696). This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AX2795, and the addition of \$100,000 to AX2795 funding. This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair by supporting MDOT SHA's work to develop and update pavement specifications, standards, and guidelines. The funding added by this amendment covers MDOT SHA's programmed expenditures for FY 2022.

The next project is the OMT Slope Investigations for Repair and Preventive Maintenance (AX2795). This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AX2795, and the addition of \$200,000 to AX2795 funding. This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair by supporting MDOT SHA's work

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Mr. Gregory Murrill  
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to provide technical support to MDOT offices for roadway stability investigations. The funding added by this amendment covers MDOT SHA's programmed expenditures for FY 2022.

The next project is the OMT Pavement Program Development (AX7455). This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AX7455, and the addition of \$2,400,000 to AX7455 funding. This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair by supporting work to produce system preservation reports, pavement optimization analysis reports, and informs FHWA and MDOT transportation asset management decision-making. The funding added by this amendment covers MDOT SHA's programmed expenditures for FY 2022.

The next project is the OMT Geotechnical Asset Management (AZ0234). This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AZ0234, and the addition of \$500,000 to AZ0234 funding. This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair by supporting the maintenance of MDOT SHA's geotechnical asset inventory, condition, and risk-based strategy information in a GIS data warehouse including highway cut slopes, embankments, ground improvements, and subsurface exploration data. The funding added by this amendment covers MDOT SHA's programmed expenditures for FY 2022.

The next project is the OMT Pavement Engineering and System Preservation Planning (AZ1071). This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AZ1071, and the addition of \$1,750,000 to AZ1071 funding. This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair by supporting field data collection, project level treatment selection, and pavement design. The funding added by this amendment covers MDOT SHA's programmed expenditures for FY 2022.

The final project is the OMT Pavement Network Condition Data Collection (AZ1091). This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AZ1091, and the addition of \$1,050,000 to AZ1091 funding. This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair by supporting the collection of pavement condition data by taking skid measurements and the use of an automatic road analyzer (ARAN). The funding added by this amendment covers MDOT SHA's programmed expenditures for FY 2022.

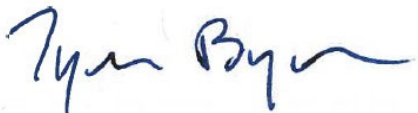
The inclusion of these projects is due to the State's need to use Federal funding for these projects. These projects have been funded with State funds in the past, and MDOT SHA is adding Federal funds and using Toll Credits to lower the State match.

<b>Project Name</b>	<b>STIP #</b>	<b>TIP #</b>	<b>Funding Source</b>	<b>Type</b>	<b>FY19- FY22 Net Federal Change (in 000's)</b>
TSMO Education and Outreach	AT020F	AT020F	STIC	Amendment	\$65
OMT Pavement Engineering Procedural Enhancements	AW2696	AW2696	STBG	Amendment	\$95
OMT Slope Investigations for Repair and Preventive Maintenance	AX2795	AX2795	STBG	Amendment	\$190
OMT Pavement Program Development	AX7455	AX7455	STBG	Amendment	\$2,280
OMT Geotechnical Asset Management	AZ0234	AZ0234	STBG	Amendment	\$475
OMT Pavement Engineering and System Preservation Planning	AZ1071	AZ1071	STBG	Amendment	\$1,662
OMT Pavement Network Condition Data Collection	AZ1091	AZ1091	STIC	Amendment	\$997

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The Maryland Statewide Transportation Improvement Program continues to be fiscally constrained. Should you have additional questions or concerns, please contact Mr. Ian Beam at 410-865-1280, toll free 888-713-1414 or via e-mail at [ibeam@mdot.maryland.gov](mailto:ibeam@mdot.maryland.gov). Of course, please feel free to contact me directly.

Sincerely,

A handwritten signature in blue ink that reads "Tyson Byrne". The signature is fluid and cursive, with a long horizontal stroke at the end.

Tyson Byrne  
Regional Planning Manager  
Office of Planning and Capital Programming

cc: Mr. Ian Beam, Regional Planner, OPCP, MDOT

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**MEMORANDUM**

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**TO:** DIRECTOR HEATHER MURPHY  
OFFICE OF PLANNING AND CAPITAL PROGRAMMING  
MARYLAND DEPARTMENT OF TRANSPORTATION (MDOT)

**ATTN:** REGIONAL PLANNER IAN BEAN  
REGIONAL PLANNING MANAGER TYSON BYRNE  
REGIONAL PLANNER DAN JANOUSEK  
REGIONAL PLANNER KARI SNYDER

**FROM:** CHIEF MATT BAKER *MB*  
REGIONAL AND INTERMODAL PLANNING DIVISION (RIPD)

**SUBJECT:** REQUEST TO AMEND THE FY 2019-2022 MARYLAND STATEWIDE  
TRANSPORTATION IMPROVEMENT PROGRAM (STIP)

**DATE:** JUNE 28, 2021  
*REVISED JUNE 30, 2021*

**RESPONSE  
REQUESTED BY:** N/A

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**PURPOSE OF MEMORANDUM**

To request the MDOT Office of Planning and Capital Programming approve and forward to the Federal Highway Administration (FHWA) for its approval the following STIP amendments.

**SUMMARY**

The MDOT State Highway Administration (MDOT SHA) hereby requests amendment of the FY 2019-2022 Maryland STIP to reflect the following seven actions.

STIP	PROJECT	PHASE	NEW FUNDING
AT020F	TSMO Education and Outreach	Other	\$75,000
AW2696	OMT Pavement Engineering Procedural Enhancements	Other	\$100,000
AX2795	OMT Slope Investigations for Repair and Preventive Maintenance	Other	\$200,000
AX7455	OMT Pavement Program Development	Other	\$2,400,000

STIP	PROJECT	PHASE	NEW FUNDING
AZ0234	OMT Geotechnical Asset Management	Other	\$500,000
AZ1071	OMT Pavement Engineering and System Preservation Planning	Other	\$1,750,000
AZ1091	OMT Pavement Network Condition Data Collection	Other	\$1,050,000

*TSMO Education and Outreach (AT020F)* – This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AT020F, and the addition of \$75,000 to AT020F funding. This project enables MDOT SHA to educate MDOT SHA offices and districts about its transportation systems management and operations (TSMO) program as well as disseminate information on the latest TSMO systems and technology. The project will develop and implement a statewide TSMO education and outreach program for MDOT SHA. The funding added by this amendment covers MDOT SHA’s programmed expenditures for FY 2022.

*OMT Pavement Engineering Procedural Enhancements (AW2696)* – This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AX2795, and the addition of \$100,000 to AX2795 funding. This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair by supporting MDOT SHA’s work to develop and update pavement specifications, standards, and guidelines. The funding added by this amendment covers MDOT SHA’s programmed expenditures for FY 2022.

*OMT Slope Investigations for Repair and Preventive Maintenance (AX2795)* – This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AX2795, and the addition of \$200,000 to AX2795 funding. This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair by supporting MDOT SHA’s work to provide technical support to MDOT offices for roadway stability investigations. The funding added by this amendment covers MDOT SHA’s programmed expenditures for FY 2022.

*OMT Pavement Program Development (AX7455)* – This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AX7455, and the addition of \$2,400,000 to AX7455 funding. This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair by supporting work to produce system preservation reports, pavement optimization analysis reports, and informs FHWA and MDOT transportation asset management decision-making. The funding added by this amendment covers MDOT SHA’s programmed expenditures for FY 2022.

*OMT Geotechnical Asset Management (AZ0234)* – This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AZ0234, and the addition of \$500,000 to AZ0234 funding. This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair by supporting the maintenance of MDOT SHA’s geotechnical asset inventory, condition, and risk-based strategy information in a GIS data warehouse including highway cut slopes, embankments, ground improvements, and subsurface exploration data. The funding added by this amendment covers MDOT SHA’s programmed expenditures for FY 2022.

*OMT Pavement Engineering and System Preservation Planning (AZ1071)* – This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AZ1071, and the addition of \$1,750,000 to AZ1071 funding. This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair by supporting field data collection, project level treatment selection, and pavement design. The funding added by this amendment covers MDOT SHA's programmed expenditures for FY 2022.

*OMT Pavement Network Condition Data Collection (AZ1091)* – This requested amendment reflects the addition to the FY 2019-2022 Maryland STIP of a new project, AZ1091, and the addition of \$1,050,000 to AZ1091 funding. This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair by supporting the collection of pavement condition data by taking skid measurements and the use of an automatic road analyzer (ARAN). The funding added by this amendment covers MDOT SHA's programmed expenditures for FY 2022.

The attached Statewide TIP (STIP) reports document MDOT's requested amendments with respect to funding for the above projects. These requested actions will not impact scheduling or funding availability for other projects in the current STIP, which remains fiscally constrained. The amended funding does not affect the portion of federal funding programmed for transit or allocations of state aid to local jurisdictions in lieu of federal aid.

In addition, the Maryland Transportation Trust Fund (TTF) remains fiscally constrained. The TTF supports State transportation system operation and maintenance, MDOT administration, debt service, and capital projects. Semiannually, MDOT updates revenues and expenditures using two national forecasting companies' latest economic estimates. The MDOT published funding details in the FY 2021-2026 Consolidated Transportation Program (<http://www.mdot.maryland.gov/newMDOT/Planning/CTP/Index.html>) and FY 2019-2022 Maryland STIP ([http://www.mdot.maryland.gov/newMDOT/Planning/STIP\\_TIP/STIPandTIP.html](http://www.mdot.maryland.gov/newMDOT/Planning/STIP_TIP/STIPandTIP.html)).

Please amend the FY 2019-2022 Maryland STIP to reflect the funding information provided in the attachment. If you have any questions, please contact Mr. Stephen Miller, MDOT SHA Regional Planner, at 410-545-5673 or via email at [smiller2@mdot.maryland.gov](mailto:smiller2@mdot.maryland.gov).

## **ATTACHMENTS**

- FY 2019-2022 Maryland STIP project AT020F report
- FY 2019-2022 Maryland STIP project AX7455 report
- FY 2019-2022 Maryland STIP project AZ0234 report
- FY 2019-2022 Maryland STIP project AX2795 report
- FY 2019-2022 Maryland STIP project AW2696 report
- FY 2019-2022 Maryland STIP project AZ1071 report
- FY 2019-2022 Maryland STIP project AZ1091 report

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cc: Mr. Eric Beckett, Deputy Director, Office of Planning and Preliminary Engineering, MDOT SHA  
Ms. Jonai Coleman-Lassiter, CTP Development Manager, Program Development Division  
(PDD), MDOT SHA  
Praveen Desaraju, P.E., Assistant Chief, Pavement and Geotechnical Division, MDOT SHA  
Paulo DeSousa, P.E., Assistant Chief, Pavement and Geotechnical Division, MDOT SHA  
Madan Gaddan, P.E., Assistant Chief, Engineering Geology Division, MDOT SHA  
Emad Gheibi, P.E., Chief, Field Exploration Division, MDOT SHA  
Mr. Michael Haley, Chief, PDD, MDOT SHA  
Mr. Stephen Miller, Regional Planner, RIPD, MDOT SHA  
Mr. Mohammed Raqib, Chief, Mobility, Planning, and Engineering Division, MDOT SHA



# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AT020F

**SUMMARY TABLE**

Project	Amendment Criteria	Conformity Status	Environmental Status	Current Funding Level (000s)		
				Federal	State/Local	Total
TSMO Education and Outreach	A	n/a	n/a	\$ -	\$ -	\$ -
	Administration	Area/MPO	CTP Page	Net Funding Change (000s)		
	MDOT SHA	Rural (Non-MPO)	tbd 2022 CTP	Federal	State/Local	Total
				\$ 60	\$ 15	\$ 75
Description	This project enables MDOT SHA to educate MDOT SHA offices and districts about its transportation systems management and operations (TSMO) program as well as disseminate information on the latest TSMO systems and technology. The project will develop and implement a statewide TSMO education and outreach program for MDOT SHA.					
Justification	TSMO improvements allow MDOT SHA to gain maximum use of its existing infrastructure through innovative technologies and traffic management techniques, lessening the impact of roadway improvements and ultimately reducing costs.					

**INDIVIDUAL REQUEST FORM**

STIP/TIP Amendment Criteria	Funding	FY 2019	FY 2020	FY 2021	FY 2022	Total	
<input checked="" type="checkbox"/> A) Adds new individual projects to the current STIP <input type="checkbox"/> B) Increase/decrease, scope change, advance, delay, or phase change <input type="checkbox"/> C) Removes or deletes individual listed project from the STIP <input type="checkbox"/> D) Other	Current (000s)	<b>Total</b>	\$ -	\$ -	\$ -	\$ -	
		Federal	\$ -	\$ -	\$ -	\$ -	\$ -
		State/Local	\$ -	\$ -	\$ -	\$ -	\$ -
	Proposed (000s)	<b>Total</b>	\$ -	\$ -	\$ -	\$ 75	\$ 75
		Federal	\$ -	\$ -	\$ -	\$ 60	\$ 60
		State/Local	\$ -	\$ -	\$ -	\$ 15	\$ 15
	Change (000s)	<b>Total</b>	\$ -	\$ -	\$ -	\$ 75	\$ 75
		Federal	\$ -	\$ -	\$ -	\$ 60	\$ 60
		State/Local	\$ -	\$ -	\$ -	\$ 15	\$ 15



**PHASE DETAIL**

Current		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Proposed		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP	STIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60	\$ -	\$ 60	\$ -	\$ 60
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15	\$ -	\$ 15	\$ 15
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60	\$ 15	\$ 60	\$ 15	\$ 75

Change		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP	STIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60	\$ -	\$ 60	\$ -	\$ 60
Other		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15	\$ -	\$ 15	\$ 15
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60	\$ 15	\$ 60	\$ 15	\$ 75

# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AT020F (cont'd)

**TOTAL PROJECT COST**

Prior Cost (≤ FY 2018)		STIP Cost (FY 2019-2022)		Balance to Complete (≥ FY 2023)		Total Project Cost	
Federal	\$ -	Federal	\$ 60	Federal	\$ -	Federal	\$ 60
State/Local	\$ -	State/Local	\$ 15	State/Local	\$ -	State/Local	\$ 15
<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ 75</b>	<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ 75</b>

# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AW2696

**SUMMARY TABLE**

Project	Amendment Criteria	Conformity Status	Environmental Status	Current Funding Level (000s)		
				Federal	State/Local	Total
OMT Pavement Engineering Procedural Enhancements	A	n/a	n/a	\$ -	\$ -	\$ -
	Administration			Net Funding Change (000s)		
	MDOT SHA	Area/MPO	CTP Page	Federal	State/Local	Total
		Rural (Non-MPO)	tbd 2022 CTP	\$ 95	\$ 5	\$ 100

**Description** Support for MDOT SHA's work to develop and update pavement specifications, standards, and guidelines.

**Justification** This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair.

**INDIVIDUAL REQUEST FORM**

STIP/TIP Amendment Criteria		Funding	FY 2019	FY 2020	FY 2021	FY 2022	Total	
<input checked="" type="checkbox"/> A) Adds new individual projects to the current STIP <input type="checkbox"/> B) Increase/decrease, scope change, advance, delay, or phase change <input type="checkbox"/> C) Removes or deletes individual listed project from the STIP <input type="checkbox"/> D) Other		<b>Current (000s)</b>	<b>Total</b>	\$ -	\$ -	\$ -	\$ -	\$ -
			Federal	\$ -	\$ -	\$ -	\$ -	\$ -
			State/Local	\$ -	\$ -	\$ -	\$ -	\$ -
		<b>Proposed (000s)</b>	<b>Total</b>	\$ -	\$ -	\$ -	\$ 100	\$ 100
			Federal	\$ -	\$ -	\$ -	\$ 95	\$ 95
			State/Local	\$ -	\$ -	\$ -	\$ 5	\$ 5
		<b>Change (000s)</b>	<b>Total</b>	\$ -	\$ -	\$ -	\$ 100	\$ 100
			Federal	\$ -	\$ -	\$ -	\$ 95	\$ 95
			State/Local	\$ -	\$ -	\$ -	\$ 5	\$ 5

**PHASE DETAIL**

Current		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Proposed		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95	\$ -	\$ 95	\$ -	\$ 95
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5	\$ -	\$ 5	\$ 5
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95	\$ 5	\$ 95	\$ 5	\$ 100

Change		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95	\$ -	\$ 95	\$ -	\$ 95
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5	\$ -	\$ 5	\$ 5
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95	\$ 5	\$ 95	\$ 5	\$ 100

# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AW2696 (cont'd)

**TOTAL PROJECT COST**

Prior Cost (≤ FY 2018)		STIP Cost (FY 2019-2022)		Balance to Complete (≥ FY 2023)		Total Project Cost	
Federal	\$ -	Federal	\$ 95	Federal	\$ -	Federal	\$ 95
State/Local	\$ -	State/Local	\$ 5	State/Local	\$ -	State/Local	\$ 5
<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ 5</b>	<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ 5</b>

# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AX2795

**SUMMARY TABLE**

Project	Amendment Criteria	Conformity Status	Environmental Status	Current Funding Level (000s)		
				Federal	State/Local	Total
OMT Slope Investigations for Repair and Preventive Maintenance	A	n/a	n/a	\$ -	\$ -	\$ -
	Administration	Area/MPO	CTP Page	Net Funding Change (000s)		
	MDOT SHA	Rural (Non-MPO)	tbd 2022 CTP	\$ 190	\$ 10	\$ 200

**Description** Support for MDOT SHA's work to provide technical support to MDOT offices for roadway stability investigations.

**Justification** This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair.

**INDIVIDUAL REQUEST FORM**

STIP/TIP Amendment Criteria	Funding	FY 2019	FY 2020	FY 2021	FY 2022	Total
		<input checked="" type="checkbox"/> A) Adds new individual projects to the current STIP <input type="checkbox"/> B) Increase/decrease, scope change, advance, delay, or phase change <input type="checkbox"/> C) Removes or deletes individual listed project from the STIP <input type="checkbox"/> D) Other	<b>Total</b>	\$ -	\$ -	\$ -
	Federal	\$ -	\$ -	\$ -	\$ -	\$ -
	State/Local	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total</b>	\$ -	\$ -	\$ -	\$ 200	\$ 200
	Federal	\$ -	\$ -	\$ -	\$ 190	\$ 190
	State/Local	\$ -	\$ -	\$ -	\$ 10	\$ 10
	<b>Total</b>	\$ -	\$ -	\$ -	\$ 200	\$ 200
	Federal	\$ -	\$ -	\$ -	\$ 190	\$ 190
	State/Local	\$ -	\$ -	\$ -	\$ 10	\$ 10
	<b>Total</b>	\$ -	\$ -	\$ -	\$ 10	\$ 10

**PHASE DETAIL**

Current	FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Proposed	FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190	\$ -	\$ 190	\$ -	\$ 190
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10	\$ -	\$ 10	\$ 10
<b>Total</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190	\$ 10	\$ 190	\$ 10	\$ 200

Change	FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190	\$ -	\$ 190	\$ -	\$ 190
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10	\$ -	\$ 10	\$ 10
<b>Total</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190	\$ 10	\$ 190	\$ 10	\$ 200

# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AX2795 (cont'd)

**TOTAL PROJECT COST**

Prior Cost (≤ FY 2018)		STIP Cost (FY 2019-2022)		Balance to Complete (≥ FY 2023)		Total Project Cost
Federal	\$ -	Federal	\$ 190	Federal	\$ -	Federal \$ 190
State/Local	\$ -	State/Local	\$ 10	State/Local	\$ -	State/Local \$ 10
<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ 200</b>	<b>Total</b>	<b>\$ -</b>	<b>Total \$ 200</b>

# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AX7455

**SUMMARY TABLE**

Project	Amendment Criteria	Conformity Status	Environmental Status	Current Funding Level (000s)		
				Federal	State/Local	Total
OMT Pavement Program Development	A	n/a	n/a	\$ -	\$ -	\$ -
	Administration			Net Funding Change (000s)		
	MDOT SHA	Rural (Non-MPO)	tbd 2022 CTP	\$ 2,280	\$ 120	\$ 2,400

Description Support for MDOT SHA's work to produce system preservation reports, pavement optimization analysis reports, and informs FHWA and MDOT transportation asset management decision-making.

Justification This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair.

**INDIVIDUAL REQUEST FORM**

STIP/TIP Amendment Criteria	Funding	FY 2019	FY 2020	FY 2021	FY 2022	Total
		<input checked="" type="checkbox"/> A) Adds new individual projects to the current STIP <input type="checkbox"/> B) Increase/decrease, scope change, advance, delay, or phase change <input type="checkbox"/> C) Removes or deletes individual listed project from the STIP <input type="checkbox"/> D) Other	Current (000s)	\$ -	\$ -	\$ -
MARYLAND DEPARTMENT OF TRANSPORTATION	Proposed (000s)	Total	\$ -	\$ -	\$ 2,400	\$ 2,400
		Federal	\$ -	\$ -	\$ 2,280	\$ 2,280
	State/Local	\$ -	\$ -	\$ 120	\$ 120	
	Change (000s)	Total	\$ -	\$ -	\$ 2,400	\$ 2,400
		Federal	\$ -	\$ -	\$ 2,280	\$ 2,280
	State/Local	\$ -	\$ -	\$ 120	\$ 120	

**PHASE DETAIL**

Current		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Proposed		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,280	\$ -	\$ 2,280	\$ -	\$ 2,280
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120	\$ -	\$ 120	\$ 120
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,280	\$ 120	\$ 2,280	\$ 120	\$ 2,400

Change		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,280	\$ -	\$ 2,280	\$ -	\$ 2,280
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120	\$ -	\$ 120	\$ 120
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,280	\$ 120	\$ 2,280	\$ 120	\$ 2,400

# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AX7455 (cont'd)

**TOTAL PROJECT COST**

Prior Cost (≤ FY 2018)		STIP Cost (FY 2019-2022)		Balance to Complete (≥ FY 2023)		Total Project Cost	
Federal	\$ -	Federal	\$ 2,280	Federal	\$ -	Federal	\$ 2,280
State/Local	\$ -	State/Local	\$ 120	State/Local	\$ -	State/Local	\$ 120
<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ -</b>



# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AZ0234

**SUMMARY TABLE**

Project	Amendment Criteria	Conformity Status	Environmental Status	Current Funding Level (000s)		
				Federal	State/Local	Total
OMT Geotechnical Asset Management	A	n/a	n/a	\$ -	\$ -	\$ -
	Administration			Net Funding Change (000s)		
	MDOT SHA	Area/MPO	CTP Page	Federal	State/Local	Total
		Rural (Non-MPO)	tbd 2022 CTP	\$ 475	\$ 25	\$ 500

**Description:** Support for maintenance of MDOT SHA's geotechnical asset inventory, condition, and risk-based strategy information in a GIS data warehouse including highway cut slopes, embankments, ground improvements, and subsurface exploration data.

**Justification:** This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair.

**INDIVIDUAL REQUEST FORM**

STIP/TIP Amendment Criteria		Funding	FY 2019	FY 2020	FY 2021	FY 2022	Total
<input checked="" type="checkbox"/> A) Adds new individual projects to the current STIP <input type="checkbox"/> B) Increase/decrease, scope change, advance, delay, or phase change <input type="checkbox"/> C) Removes or deletes individual listed project from the STIP <input type="checkbox"/> D) Other		<b>Current (000s)</b>	<b>Total</b>	\$ -	\$ -	\$ -	\$ -
			Federal	\$ -	\$ -	\$ -	\$ -
			State/Local	\$ -	\$ -	\$ -	\$ -
		<b>Proposed (000s)</b>	<b>Total</b>	\$ -	\$ -	\$ 500	\$ 500
			Federal	\$ -	\$ -	\$ 475	\$ 475
			State/Local	\$ -	\$ -	\$ 25	\$ 25
		<b>Change (000s)</b>	<b>Total</b>	\$ -	\$ -	\$ 500	\$ 500
			Federal	\$ -	\$ -	\$ 475	\$ 475
			State/Local	\$ -	\$ -	\$ 25	\$ 25



**PHASE DETAIL**

Current		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Proposed		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475	\$ -	\$ 475	\$ -	\$ 475
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25	\$ -	\$ 25	\$ 25
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475	\$ 25	\$ 475	\$ 25	\$ 500

Change		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475	\$ -	\$ 475	\$ -	\$ 475
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25	\$ -	\$ 25	\$ 25
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 475	\$ 25	\$ 475	\$ 25	\$ 500

# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AZ0234 (cont'd)

**TOTAL PROJECT COST**

Prior Cost (≤ FY 2018)		STIP Cost (FY 2019-2022)		Balance to Complete (≥ FY 2023)		Total Project Cost	
Federal	\$ -	Federal	\$ 475	Federal	\$ -	Federal	\$ 475
State/Local	\$ -	State/Local	\$ 25	State/Local	\$ -	State/Local	\$ 25
<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ -</b>

# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AZ1071


**SUMMARY TABLE**

Project	Amendment Criteria	Conformity Status	Environmental Status	Current Funding Level (000s)		
				Federal	State/Local	Total
OMT Pavement Engineering and System Preservation Planning	A	n/a	n/a	\$ -	\$ -	\$ -
	Administration			Net Funding Change (000s)		
	MDOT SHA	Area/MPO	CTP Page	Federal	State/Local	Total
		Rural (Non-MPO)	tbd 2022 CTP	\$ 1,662	\$ 88	\$ 1,750

Description Support for MDOT SHA field data collection, project level treatment selection, and pavement design.

Justification This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair.

**INDIVIDUAL REQUEST FORM**

STIP/TIP Amendment Criteria	Funding	FY 2019	FY 2020	FY 2021	FY 2022	Total
		<input checked="" type="checkbox"/> A) Adds new individual projects to the current STIP	<b>Total</b>	\$ -	\$ -	\$ -
<input type="checkbox"/> B) Increase/decrease, scope change, advance, delay, or phase change	Federal	\$ -	\$ -	\$ -	\$ -	\$ -
<input type="checkbox"/> C) Removes or deletes individual listed project from the STIP	State/Local	\$ -	\$ -	\$ -	\$ -	\$ -
<input type="checkbox"/> D) Other	<b>Total</b>	\$ -	\$ -	\$ -	\$ 1,750	\$ 1,750
	Federal	\$ -	\$ -	\$ -	\$ 1,662	\$ 1,662
	State/Local	\$ -	\$ -	\$ -	\$ 88	\$ 88
	<b>Total</b>	\$ -	\$ -	\$ -	\$ 1,750	\$ 1,750
	Federal	\$ -	\$ -	\$ -	\$ 1,662	\$ 1,662
	State/Local	\$ -	\$ -	\$ -	\$ 88	\$ 88

**PHASE DETAIL**

Current	FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
	Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Proposed	FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
	Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,662	\$ -	\$ 1,662	\$ -	\$ 1,662
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88	\$ -	\$ 88	\$ 88
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,662	\$ 88	\$ 1,662	\$ 88	\$ 1,750

Change	FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
	Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,662	\$ -	\$ 1,662	\$ -	\$ 1,662
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88	\$ -	\$ 88	\$ 88
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,662	\$ 88	\$ 1,662	\$ 88	\$ 1,750

# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AZ1071 (cont'd)

TOTAL PROJECT COST							
Prior Cost (≤ FY 2018)		STIP Cost (FY 2019-2022)		Balance to Complete (≥ FY 2023)		Total Project Cost	
Federal	\$ -	Federal	\$ 1,662	Federal	\$ -	Federal	\$ 1,662
State/Local	\$ -	State/Local	\$ 88	State/Local	\$ -	State/Local	\$ 88
<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ -</b>

# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AZ1091


**SUMMARY TABLE**

Project	Amendment Criteria	Conformity Status	Environmental Status	Current Funding Level (000s)		
				Federal	State/Local	Total
OMT Pavement Network Condition Data Collection	A	n/a	n/a	\$ -	\$ -	\$ -
	Administration			Net Funding Change (000s)		
	MDOT SHA	Area/MPO Rural (Non-MPO)	CTP Page tbd 2022 CTP	Federal	State/Local	Total
			\$ 997	\$ 53	\$ 1,050	

Description Support for MDOT SHA's collection of pavement condition data by taking skid measurements and the use of an automatic road analyzer (ARAN).

Justification This project enables MDOT SHA to continue to ensure MDOT SHA roads are maintained in a state of good repair.

**INDIVIDUAL REQUEST FORM**

STIP/TIP Amendment Criteria	Funding	FY 2019	FY 2020	FY 2021	FY 2022	Total
		<input checked="" type="checkbox"/> A) Adds new individual projects to the current STIP	<b>Total</b>	\$ -	\$ -	\$ -
<input type="checkbox"/> B) Increase/decrease, scope change, advance, delay, or phase change	Federal	\$ -	\$ -	\$ -	\$ -	\$ -
<input type="checkbox"/> C) Removes or deletes individual listed project from the STIP	State/Local	\$ -	\$ -	\$ -	\$ -	\$ -
<input type="checkbox"/> D) Other	<b>Total</b>	\$ -	\$ -	\$ -	\$ 1,050	\$ 1,050
	Federal	\$ -	\$ -	\$ -	\$ 997	\$ 997
	State/Local	\$ -	\$ -	\$ -	\$ 53	\$ 53
	<b>Total</b>	\$ -	\$ -	\$ -	\$ 1,050	\$ 1,050
	Federal	\$ -	\$ -	\$ -	\$ 997	\$ 997
	State/Local	\$ -	\$ -	\$ -	\$ 53	\$ 53

**PHASE DETAIL**

Current		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Proposed		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 997	\$ -	\$ 997	\$ -	\$ 997
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53	\$ -	\$ 53	\$ 53
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 997	\$ 53	\$ 997	\$ 53	\$ 1,050

Change		FY 2019		FY 2020		FY 2021		FY 2022		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
PP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	STIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 997	\$ -	\$ 997	\$ -	\$ 997
	State	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53	\$ -	\$ 53	\$ 53
<b>Total</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 997	\$ 53	\$ 997	\$ 53	\$ 1,050

# MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # AZ1091 (cont'd)

**TOTAL PROJECT COST**

Prior Cost (≤ FY 2018)		STIP Cost (FY 2019-2022)		Balance to Complete (≥ FY 2023)		Total Project Cost	
Federal	\$ -	Federal	\$ 997	Federal	\$ -	Federal	\$ 997
State/Local	\$ -	State/Local	\$ 53	State/Local	\$ -	State/Local	\$ 53
<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ 1,050</b>	<b>Total</b>	<b>\$ -</b>	<b>Total</b>	<b>\$ 1,050</b>