



Larry Hogan
Governor
Boyd K. Rutherford
Lt. Governor
Gregory Slater
Acting Secretary

May 14, 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, Region III
1835 Market Street, Suite 1910
Philadelphia PA 19103-2968

Dear Mr. Murrill and Ms. Crews:

The Maryland Department of Transportation (MDOT) hereby modifies the Fiscal Year (FY) 2019-2022 Maryland Statewide Transportation Improvement Program (STIP) to reflect changes to federal funding for two projects. These administrative modifications were requested by the MDOT State Highway Administration (MDOT SHA) and the City of Baltimore for the FY 2021-2024 Baltimore Regional Transportation Board (BRTB) Transportation Improvement Program (TIP).

The BRTB Executive Committee approved these administrative modifications to the TIP on May 7, 2021, and MDOT has assigned Control #19-121 for this change to the STIP. The approvals and supporting documentation are attached. The details of the changes for both projects can be found in the attached supporting documentation.

Mr. Gregory Murrill
Ms. Terry Garcia Crews
Page Two

Project Name	STIP #	TIP #	Funding Source	FY19-22 Net Federal Change (000)
MD 173: Bridge Replacement over Rock Creek	61-2101-13	61-2101-13	NHPP	78
Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements	12-1218-07	12-1218-07	STBG	\$0

The Maryland Statewide Transportation Improvement Program continues to be fiscally constrained. Should you have additional questions or concerns, please contact Mr. Dan Janousek at 410-865-1098, toll free 888-713-1414 or via e-mail at djanousek@mdot.maryland.gov. Of course, please feel free to contact me directly.

Sincerely,



Tyson Byrne
Regional Planning Manager
Office of Planning and Capital Programming

Attachment

cc: Mr. Dan Janousek, Regional Planner, OPCP, MDOT

MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # BRTB 61-2101-13 MC #19-107 02/26/2021

SUMMARY TABLE

Project	Amendment Criteria	Conformity Status	Environmental Status	Current Funding Level (000s)		
				Federal	State/Local	Total
MD 173 Bridge Replacement over Rock Creek (AA373A)	B	Exempt	tbd	\$ 207	\$ 438	\$ 645
	Administration	Area/MPO	CTP Page	Net Funding Change (000s)		
	MDOT SHA	BRTB	tbd FY 2021	\$ 78	\$ (171)	\$ (93)

Description: Replacement of bridge 02046 on MD 173 over Rock Creek.

Justification: This project will replace a bridge rated in poor condition.

INDIVIDUAL REQUEST FORM

STIP/TIP Amendment Criteria		Funding	FY 2019	FY 2020	FY 2021	FY 2022	Total
<input type="checkbox"/> A) Adds new individual projects to the current STIP <input checked="" 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)	\$ 94	\$ 247	\$ 153	\$ 151	\$ 645
		Federal	\$ -	\$ -	\$ 69	\$ 138	\$ 207
		State/Local	\$ 94	\$ 247	\$ 84	\$ 13	\$ 438
		Proposed (000s)	\$ 89	\$ 89	\$ 146	\$ 228	\$ 552
		Federal	\$ -	\$ -	\$ 57	\$ 228	\$ 285
		State/Local	\$ 89	\$ 89	\$ 89	\$ -	\$ 267
		Change (000s)	\$ (5)	\$ (158)	\$ (7)	\$ 77	\$ (93)
		Federal	\$ -	\$ -	\$ (12)	\$ 90	\$ 78
		State/Local	\$ (5)	\$ (158)	\$ 5	\$ (13)	\$ (171)



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	State	\$ -	\$ 94	\$ -	\$ 247	\$ -	\$ 84	\$ -	\$ 13	\$ -	\$ 438	\$ 438
	NHPP	\$ -	\$ -	\$ -	\$ -	\$ 69	\$ -	\$ 138	\$ -	\$ 207	\$ -	\$ 207
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ -	\$ 94	\$ -	\$ 247	\$ 69	\$ 84	\$ 138	\$ 13	\$ 207	\$ 438	\$ 645

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	State	\$ -	\$ 89	\$ -	\$ 89	\$ -	\$ 89	\$ -	\$ -	\$ -	\$ 267	\$ 267
	NHPP	\$ -	\$ -	\$ -	\$ -	\$ 57	\$ -	\$ 228	\$ -	\$ 285	\$ -	\$ 285
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ -	\$ 89	\$ -	\$ 89	\$ 57	\$ 89	\$ 228	\$ -	\$ 285	\$ 267	\$ 552

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	State	\$ -	\$ (5)	\$ -	\$ (158)	\$ -	\$ 5	\$ -	\$ (13)	\$ -	\$ (171)	\$ (171)
	NHPP	\$ -	\$ -	\$ -	\$ -	\$ (12)	\$ -	\$ 90	\$ -	\$ 78	\$ -	\$ 78
RW		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ -	\$ (5)	\$ -	\$ (158)	\$ (12)	\$ 5	\$ 90	\$ (13)	\$ 78	\$ (171)	\$ (93)

MARYLAND STATEWIDE TIP FY 2019-2022

MDOT STIP # BRTB 61-2101-13 MC #19-107 02/26/2021 (

TOTAL PROJECT COST

Prior Cost (≤ FY 2018)		STIP Cost (FY 2019-2022)		Balance to Complete (≥ FY 2023)		Total Project Cost	
Federal	\$ -	Federal	\$ 285	Federal	\$ 337	Federal	\$ 622
State/Local	\$ 287	State/Local	\$ 267	State/Local	\$ -	State/Local	\$ 554
Total	\$ 287	Total	\$ 552	Total	\$ 337	Total	\$ 1,176



May 11, 2021

Ms. Heather Murphy
Office of Planning & Capital Programming
Attn: Mr. Dan Janousek
Maryland Department of Transportation
7201 Corporate Center Drive
Hanover, MD 21076-1415

Dear Ms. Murphy:

Enclosed is one Administrative Modification to the *2021 – 2024 Baltimore Region Transportation Improvement Program (TIP)* as approved by the BRTB Executive Committee on May 7, 2021. The documentation enclosed supports changes to the *2021 – 2024 TIP* for one MDOT State Highway Administration (MDOT SHA) project:

MD 173: Bridge Replacement over Rock Creek: 61-2101-13

These minor changes are within the framework for an Administrative Modification and do not affect conformity. MDOT SHA has affirmed that fiscal constraint for their program of projects remains intact.

Pursuant to the prescribed Transportation Improvement Program MOU signed in 2014, the BRTB Executive Committee approved these changes to the *2021 – 2024 TIP*.

If you have any questions, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Todd R. Lang", written over a light blue horizontal line.

Todd R. Lang, Director
Transportation Planning

Enclosures

cc: Ms. Tara Penders, MDOT SHA
Mr. Stephen Miller, MDOT SHA



Summary of FY 2021-2024 TIP Changes

Project Title	TIP Change Reason	Description	Type of Change
MD 173: Bridge Replacement over Rock Creek 61-2101-13	This administrative modification decreases engineering funds in FY 2021 by \$7,000 (-\$12,000 federal NHPP funds/\$5,000 matching) and increases engineering funds in FY 2022 through FY 2024 by \$187,000 (\$220,000 federal NHPP funds / \$33,000 matching) for a total increase of \$180,000. The overall increase in funding is necessary to complete final design and to adjust the funding as a result of the use of toll credits. The estimated total cost for this bridge replacement remains the same at \$5.176 million.	This project will replace bridge No. 0204600 over Rock Creek. The new bridge will maintain two 11-foot lanes along with 5'-5" bicycle compatible shoulders. Engineering began in 2015 using state only funds. Construction is not currently funded. Conformity Status: Exempt	Admin Mod

MD 173: Bridge Replacement over Rock Creek

TIP ID	61-2101-13	Year of Operation	TBD
Agency	SHA - Anne Arundel County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Other Principal Arterial
Conformity Status	Exempt	Physical Data	2 to 2 lanes
CIP or CTP ID(s)	NA	Est. Total Cost	\$5,176,000

Description:

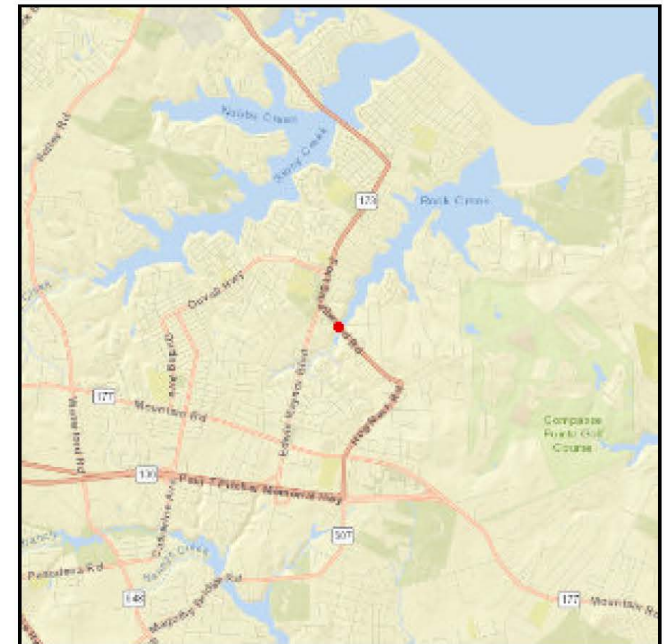
The project will replace bridge no. 0204600 over Rock Creek. The new bridge will maintain two 11-foot lanes along with 5' 5" bicycle compatible shoulders.

Engineering began in 2015 using state only funds. Construction is not currently funded.

Justification:

The deteriorating bridge requires replacement to maintain the safety and function of the roadway network. The existing bridge is rated in poor condition.

Administrative Modification: This administrative modification decreases engineering funds in FY 2021 by \$7,000 (-\$12,000 federal NHPP funds/\$5,000 matching) and increases engineering funds in FY 2022 through FY 2024 by \$187,000 (\$220,000 federal NHPP funds/-\$33,000 matching) for a total increase of \$180,000. The overall increase in funding is necessary to complete final design and to adjust the funding as a result of the use of toll credits. The estimated total cost for this bridge replacement remains the same at \$5.176 million.



Connection to Long-Range Transportation Planning Goals:

- 1.C Improve System Safety -- Eliminate hazardous or substandard conditions.
- 2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).



2021 - 2024 Transportation Improvement Program

MD 173: Bridge Replacement over Rock Creek

(Funding in Thousands)

National Highway Performance Program (National Highway System, Interstate Maintenance, Bridge (on-System)) -ORIGINAL

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$69	\$84	\$138	\$13	\$138	\$13	\$69	\$7	\$531
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$69	\$84	\$138	\$13	\$138	\$13	\$69	\$7	\$531
Total	\$69	\$84	\$138	\$13	\$138	\$13	\$69	\$7	\$531



2021 - 2024 Transportation Improvement Program

MD 173: Bridge Replacement over Rock Creek

(Funding in Thousands)

National Highway Performance Program (National Highway System, Interstate Maintenance, Bridge (on-System)) -UPDATE

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$57	\$89	\$228	\$0	\$228	\$0	\$109	\$0	\$711
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$57	\$89	\$228	\$0	\$228	\$0	\$109	\$0	\$711
Total	\$57	\$89	\$228	\$0	\$228	\$0	\$109	\$0	\$711

April 15, 2021

Mr. Todd Lang
Transportation Planning Director
ATTN: Mr. Keith Kucharek
Offices @ McHenry Row
1500 Whetstone Way, Suite 300
Baltimore, Maryland 21230

Dear Mr. Lang:

The Maryland Department of Transportation (MDOT) requests the following Administrative Modification to the Baltimore Region's FY 2021-2024 Transportation Improvement Program (TIP) to reflect changes in federal and local funding on behalf of the MDOT Maryland State Highway Administration (MDOT SHA).

This modification increases the four-year TIP funding for the MD 173: Bridge Replacement over Rock Creek project (TIP ID #61-2101-13) from \$531,000 to \$711,000.

The details of this modification can be found in the attached request memoranda. The proposed action will not impact scheduling or funding availability for other projects in the TIP, which continues to be fiscally constrained.

If you have questions or need additional information, please contact Dan Janousek, Office of Planning and Capital Programming (OPCP) Regional Planner at 410-865-1098, or via email at djanousek@mdot.maryland.gov for assistance

Sincerely,



Tyson Byrne
Regional Planning Manager
Office of Planning and Capital Programming

Attachment

cc: Mr. Dan Janousek, Regional Planner, OPCP, MDOT

MEMORANDUM

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

ATTN: REGIONAL PLANNING MANAGER TYSON BYRNE
REGIONAL PLANNER DAN JANOUSEK

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

SUBJECT: REQUEST FOR ADMINISTRATIVE MODIFICATION OF THE BALTIMORE
REGIONAL TRANSPORTATION BOARD (BRTB) FY 2021-2024
TRANSPORTATION IMPROVEMENT PROGRAM (TIP) AND
NOTIFICATION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA)

DATE: APRIL 15, 2021

REQUESTED BY: N/A

PURPOSE OF MEMORANDUM

To request the MDOT Office of Planning and Capital Programming request BRTB staff approve the following TIP administrative modification and, upon BRTB approval, notify the FHWA Maryland Division of this administrative modification.

SUMMARY

The MDOT State Highway Administration (MDOT SHA) hereby requests BRTB administratively modify the FY 2021-2024 BRTB TIP to reflect the following action.

TIP	PROJECT	PHASE	NEW FUNDING
61-2101-13 MC# 19-107 02/26/2021	MD 173 Bridge Replacement over Rock Creek, Pasadena	PE	\$180,000

ANALYSIS

MD 173 Bridge Replacement over Rock Creek (BRTB 61-2101-13 MC# 19-107 02/26/2021) – This requested modification reflects the addition of \$180,000 to BRTB 61-2101-13 MC# 19-107 02/26/2021 design funding in the FY 2021-2024 BRTB TIP, increasing total design funding in FY 2021-2024 from \$531,000 to \$711,000. This modification reflects revised State funding prior to FY 2021, an increased proportion of federal funding going forward, and MDOT SHA’s use of toll credits to facilitate this larger federal funding proportion. Please note, of the \$1,176,000 MDOT SHA now has in total programmed for design, only \$552,000 is programmed during the current FY 2019-2022 STIP.

Ms. Heather Murphy
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This modification ensures the FY 2021-2024 BRTB TIP and FY 2019-2022 Maryland STIP reflect MDOT SHA's updated programmed expenditures and project schedule in FY 2021-2024. This project's estimated total cost remains \$5.2 million. The MDOT SHA anticipates construction in 2023.

The attached Statewide TIP (STIP) report documents MDOT's requested modification with respect to funding for the above projects. This requested action will not impact scheduling or funding availability for other projects in the current STIP, which remains fiscally constrained. The modified 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 (<https://mdot.maryland.gov/tso/Pages/Index.aspx?PageId=27>) and FY 2019-2022 Maryland STIP (<https://mdot.maryland.gov/tso/pages/Index.aspx?PageId=117>).

Please amend the FY 2021-2024 BRTB TIP and FY 2019-2022 Maryland STIP to reflect the funding information provided in the attachments. 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.

ATTACHMENTS

- FY 2021-2024 BRTB TIP project 61-2101-13 MC# 19-107 02/26/2021 report
- FY 2019-2022 Maryland STIP project BRTB 61-2101-13 MC# 19-107 02/26/2021 report

cc: Mr. Eric Beckett, Deputy Director, Office of Planning and Preliminary Engineering, MDOT SHA
Corren Johnson, P.E., District Engineer, District 5, MDOT SHA
Mr. Stephen Miller, Regional Planner, RIPD, MDOT SHA
Tara Penders, AICP, Assistant Chief, RIPD, MDOT SHA
Mr. Pete Regan, Assistant Regional Planner, RIPD, MDOT SHA
Jeffrey Robert, P.E., Chief, Structures Engineering Division, MDOT SHA
Prasoon Shrestha, P.E., Team Leader, Structures Engineering Division, MDOT SHA

2021 – 2024 BRTB Transportation Improvement Program

SHA

Highway Preservation

MD 173 Bridge Replacement over Rock Creek

TIP Id #	61-2101-13 MC#19-107 02/26/2021	Year of Operation	2023
Agency	State Highway Administration	Project Type	Bridge Repair/Deck Replacement
Project Category	Highway Preservation	Functional Class	Principal Arterial
Conformity Status	Exempt	Physical Data	Existing 26'-10" wide two-lane bridge. New bridge will be 32'-11" wide for two 11' lanes and bicycle compatible shoulders.
CIP/CTP Page#	N/a	Estimated Total Cost	\$5,176,000
Description	This project replaces bridge no. 0204600 on MD 173 over Rock Creek	Justification	This project will replace a bridge rated in poor condition.

	Fund Source: Federal NHPP/State Matching								Project Totals (000)	
	Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Estimated Project Total
CON										
OTHER										
PE	\$57	\$89	\$228	\$0	\$228	\$0	\$109	\$0	\$711	
PP										
ROW										
Totals	\$57	\$89	\$228	\$0	\$228	\$0	\$109	\$0	\$711	



May 11, 2021

Ms. Heather Murphy
Office of Planning & Capital Programming
Attn: Mr. Dan Janousek
Maryland Department of Transportation
7201 Corporate Center Drive
Hanover, MD 21076-1415

Dear Ms. Murphy:

Enclosed is one Administrative Modification to the *2021 – 2024 Baltimore Region Transportation Improvement Program (TIP)* as approved by the BRTB Executive Committee on May 7, 2021. The documentation enclosed supports changes to the *2021 – 2024 TIP* for one MDOT Baltimore City project:

**Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements:
12-1218-07**

These minor changes are within the framework for an Administrative Modification and do not affect conformity. Baltimore City has affirmed that fiscal constraint for their program of projects remains intact.

Pursuant to the prescribed Transportation Improvement Program MOU signed in 2014, the BRTB Executive Committee approved these changes to the *2021 – 2024 TIP*.

If you have any questions, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Todd R. Lang", written over a thin horizontal line.

Todd R. Lang, Director
Transportation Planning

Enclosures

cc: Mr. Damonnen Taylor, Acting Chief Traffic Division, Baltimore City
Mr. Graham Young, Complete Streets Manager, Baltimore City



Summary of FY 2021-2024 TIP Changes

Project Title	TIP Change Reason	Description	Type of Change
Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements 12-1218-07	This administrative modification shifts Engineering funds to Planning funds in FY 2021 in the amount of \$2.925 million (\$2.24 million federal STBG funds/\$585,000 matching). Planning funds will be used specifically for the Traffic Signal Optimization project. The estimated total cost for this Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements project remains the same at \$17.100 million	Intelligent Transportation System (ITS) related work includes but is not limited to: traffic signal system integration, traffic signal timing optimization, traffic surveillance camera expansion, traffic signal replacement and upgrade, fiber optic connections, variable message signs, and traffic detector upgrade, including geometric improvement of intersections. Projects included in this TIP ID are: CCTV and signal rewiring citywide, geometric improvements at multiple intersections, traffic signal reconstruction, and traffic signal timing optimization. Engineering funds were included in FY 2019. FY 2021 planning and engineering funds are for the traffic signal timing optimization project. Conformity Status: Exempt	Admin Mod

Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements

TIP ID	12-1218-07	Year of Operation	Ongoing
Agency	Baltimore City	Project Type	ITS
Project Category	Emission Reduction Strategy	Functional Class	NA
Conformity Status	Exempt	Physical Data	NA
CIP or CTP ID(s)	512-077, 512-078, 512-080, 512-009	Est. Total Cost	\$17,100,000

Description:

Intelligent Transportation System(ITS) related work includes but is not limited to: traffic signal system integration, traffic signal timing optimization, traffic surveillance camera expansion, traffic signal replacement and upgrade, fiber optic connections, variable message signs, and traffic detector upgrade, including geometric improvement of intersections. Projects included in this TIP ID are: CCTV and signal rewiring citywide, geometric improvements at multiple intersections, traffic signal reconstruction, and traffic signal timing optimization. Engineering funds were included in FY 2019. FY 2021 planning and engineering funds are for the traffic signal timing optimization project.

Justification:

It is necessary to upgrade the aging infrastructure of traffic signals and ITS devices to reduce congestion and delays, distribute traffic volumes through the roadway network, and improve the safety of motorists and pedestrians.

Administrative Modification: This administrative modification shifts Engineering funds to Planning funds in FY 2021 in the amount of \$2.925 million (\$2.24 million federal STBG funds/\$585,000 matching). Planning funds will be used specifically for the Traffic Signal Optimization project. The estimated total cost for this Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements project remains the same at \$17.100 million.

Connection to Long-Range Transportation Planning Goals:

- 2.B Improve and Maintain the Existing Infrastructure -- Replace traffic signals and ITS elements.
- 4.D Increase Mobility -- Apply mobility-related management and operations techniques.
- 5.D Conserve and Enhance the Environment -- Reduce greenhouse gas emissions in accordance with state and local sustainability and climate change plans.





Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements

(Funding in Thousands)

Surface Transportation Block Grant Program -ORIGINAL

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$10,080	\$2,520	\$0	\$0	\$0	\$0	\$0	\$0	\$12,600
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$2,340	\$585	\$0	\$0	\$0	\$0	\$0	\$0	\$2,925
PL	\$1,260	\$315	\$0	\$0	\$0	\$0	\$0	\$0	\$1,575
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$13,680	\$3,420	\$0	\$0	\$0	\$0	\$0	\$0	\$17,100
Total	\$13,680	\$3,420	\$0	\$0	\$0	\$0	\$0	\$0	\$17,100



Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements

(Funding in Thousands)

Surface Transportation Block Grant Program **-UPDATE**

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$10,080	\$2,520	\$0	\$0	\$0	\$0	\$0	\$0	\$12,600
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PL	\$3,600	\$900	\$0	\$0	\$0	\$0	\$0	\$0	\$4,500
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$13,680	\$3,420	\$0	\$0	\$0	\$0	\$0	\$0	\$17,100
Total	\$13,680	\$3,420	\$0	\$0	\$0	\$0	\$0	\$0	\$17,100

CITY OF BALTIMORE
Brandon M. Scott, Mayor



DEPARTMENT OF TRANSPORTATION
Steve Sharkey, Director
417 E. Fayette Street
Baltimore, Maryland 21202

April 26, 2021

Mr. Todd R. Lang, Director
Transportation Planning
Baltimore Metropolitan Council
1500 Whetstone Way, Suite 300
Baltimore, MD 21230

Attn: Ms. Regina Aris

Re: **Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements (FY 2021-2024), TIP. ID. 12-1218-07 – Admin Modification Request**
Agency: Baltimore City, DOT

Dear Mr. Lang,

The Baltimore City Department of Transportation (BCDOT) is requesting an amendment to the FY2021-FY2024 TIP for the following project:

Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements (12-1218-07)
This modification shifts a portion of the funding for this active project in the FY 2021-2024 TIP. The admin mod shifts funds in the amount of \$2,340,000 Federal and \$585,000 matching local funds from the Engineering Phase to Planning Phase in FY21. The funds shifted to the planning phase will be utilized for the **Traffic Signal Timing Optimization** project, which is included under this TIP ID.

There is no change to the total amount of funding for this ongoing project and Baltimore City's 2021-2024 TIP projects remain fiscally constrained. The traffic signal timing optimization project utilizes federal Surface Transportation Block Grant program funds and HUR funds for the project match.

The revised TIP forms for this project are attached.

If you have any questions or need additional information, please feel free to contact Mr. Raj Sharma at 443-452-7475 or raj.sharma@baltimorecity.gov.

Sincerely,

Damonnen Taylor, Acting Chief
Traffic Division

Attachments: TIP Sheets (TIP ID 12-1218-07)

Mr. Todd R. Lang
Page 2 of 2

Cc: - Bimal Devkota, P.E.
Dhirendra Sinha
Manmohan Singh
Lok Shresta
Raj Sharma
Graham Young

Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements

TIP ID	12-1218-07	Year of Operation	Ongoing
Agency	Baltimore City	Project Type	ITS
Project Category	Emission Reduction Strategy	Functional Class	NA
Conformity Status	Exempt	Physical Data	NA
CIP or CTP ID(s)	512-077, 512-078, 512-080, 512-009	Est. Total Cost	\$17,100,000

Description:

Intelligent Transportation System (ITS) related work includes but is not limited to: traffic signal system integration, traffic signal timing optimization, traffic surveillance camera expansion, traffic signal replacement and upgrade, fiber optic connections, variable message signs, and traffic detector upgrade, including geometric improvement of intersections. Projects included in this TIP ID are: CCTV and signal rewiring citywide, installation of fiber optic and copper communications citywide, ITS deployment and upgrades citywide, geometric improvements at multiple intersections, traffic signal reconstruction, and traffic signal timing optimization. Engineering funds were included in FY 2019. FY 2021 planning and engineering funds are for the traffic signal timing optimization project.

Justification:

It is necessary to upgrade the aging infrastructure of traffic signals and ITS devices to reduce congestion and delays, distribute traffic volumes through the roadway network, and improve the safety of motorists and pedestrians.

Connection to Long-Range Transportation Planning Goals:

- 2.B Improve and Maintain the Existing Infrastructure – Replace traffic signals and ITS elements.
- 4.D Increase Mobility – Apply mobility-related management and operations techniques.
- 5.D Conserve and Enhance the Environment – Reduce greenhouse gas emissions in accordance with state and local sustainability and climate change plans.





Citywide Traffic Signals, Intelligent Transportation System and Safety Improvements

(Funding in Thousands)

Surface Transportation Block Grant Program

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$10,080	\$2,520	\$0	\$0	\$0	\$0	\$0	\$0	\$12,600
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$2,340 0	\$585 0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,925 0
PL	\$1,260 3,600	\$345 900	\$0	\$0	\$0	\$0	\$0	\$0	\$1,575 4,500
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$13,680	\$3,420	\$0	\$0	\$0	\$0	\$0	\$0	\$17,100
Total	\$13,680	\$3,420	\$0	\$0	\$0	\$0	\$0	\$0	\$17,100