

INTRODUCED: September 11, 2023

AN ORDINANCE No. 2023-249

To authorize the Chief Administrative Officer, for and on behalf of the City of Richmond, to accept funds in the total amount of \$1,488,000.00 from the Virginia Department of Transportation, to amend Ord. No. 2023-073, adopted May 8, 2023, which accepted a program of proposed Capital Improvement Projects for Fiscal Year 2023-2024 and the four fiscal years thereafter, adopted a Capital Budget for Fiscal Year 2023-2024, and determined a means of financing the same, by (i) establishing a new project for the Department of Public Works in the Transportation category called the “Automated Traffic Signal Performance Measures” project and (ii) increasing estimated revenues from the funds received from the Virginia Department of Transportation and the amount appropriated to the new Department of Public Works’ Automated Traffic Signal Performance Measures project in the Transportation category by \$1,488,000.00, all for the purpose of funding the implementation of an Automated Traffic Signal Performance Measures project to provide traffic data collection devices at certain signalized intersections.

Patron – Mayor Stoney

Approved as to form and legality
by the City Attorney

PUBLIC HEARING: SEP 25 2023 AT 6 P.M.

THE CITY OF RICHMOND HEREBY ORDAINS:

§ 1. That the Chief Administrative Officer, for and on behalf of the City of Richmond, is authorized to accept funds in the total amount of \$1,488,000.00 from the Virginia Department of Transportation for the purpose of funding the implementation of an Automated Traffic Signal

AYES: 9 NOES: 0 ABSTAIN: _____

ADOPTED: SEP 25 2023 REJECTED: _____ STRICKEN: _____

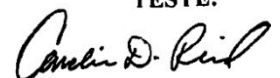
Performance Measures project to provide traffic data collection devices at certain signalized intersections.

§ 2. That Ordinance No. 2023-073, adopted May 8, 2023, which accepted a program of proposed Capital Improvement Projects for the fiscal year commencing July 1, 2023, and ending June 30, 2024, and the four fiscal years thereafter, adopted a Capital Budget for the fiscal year commencing July 1, 2023, and ending June 30, 2024, and determined a means of financing the same, be and is hereby amended by establishing a new project for the Department of Public Works in the Transportation category called the “Automated Traffic Signal Performance Measures” project for the purpose of funding the implementation of an Automated Traffic Signal Performance Measures project to provide traffic data collection devices at certain signalized intersections.

§ 3. That Ordinance No. 2023-073, adopted May 8, 2023, which accepted a program of proposed Capital Improvement Projects for the fiscal year commencing July 1, 2023, and ending June 30, 2024 and the four fiscal years thereafter, adopted a Capital Budget for the fiscal year commencing July 1, 2023, and ending June 30, 2024, and determined a means of financing the same, be and is hereby amended by increasing estimated revenues and the amount appropriated for expenditures by \$1,488,000.00, and allotting such sum to the Department of Public Works’ Automated Traffic Signal Performance Measures Project in the Transportation category by \$1,488,000.00 for the purpose of funding the implementation of an Automated Traffic Signal Performance Measures project to provide traffic data collection devices at certain signalized intersections

§ 4. This ordinance shall be in force and effect upon adoption.

A TRUE COPY:
TESTE:



City Clerk



City of Richmond

900 East Broad Street
2nd Floor of City Hall
Richmond, VA 23219
www.rva.gov

Master

File Number: Admin-2023-1247

File ID: Admin-2023-1247

Type: Request for Ordinance or Resolution

Status: Regular Agenda

Version: 1

Reference:

In Control: City Clerk Waiting Room

Department:

Cost:

File Created: 08/04/2023

Subject:

Final Action:

Title:

Internal Notes:

Code Sections:

Agenda Date: 09/11/2023

Indexes:

Agenda Number:

Patron(s):

Enactment Date:

Attachments: Admin-2023-1247 VDOT Six-Year Improvement Program

Enactment Number:

Contact:

Introduction Date:

Drafter: Enrique.Burgos@rva.gov

Effective Date:

Related Files:

Approval History

Version	Seq #	Action Date	Approver	Action	Due Date
1	1	8/7/2023	Michael Sawyer	Approve	8/8/2023
1	2	8/7/2023	Michael Sawyer	Approve	8/9/2023
Notes: Approved for M.S. Khara as acting City Engineer					
1	3	8/8/2023	Bobby Vincent	Approve	8/9/2023
1	4	8/9/2023	Robert Steidel	Approve	8/10/2023
1	5	8/10/2023	Jason May	Approve	8/11/2023
1	6	8/17/2023	Sheila White	Approve	8/14/2023
1	7	8/17/2023	Sabrina Joy-Hogg	Approve	8/21/2023
1	8	8/17/2023	Enrique Burgos - FYI	Notified - FYI	
1	9	8/25/2023	Lincoln Saunders	Approve	8/28/2023
1	10	9/7/2023	Mayor Stoney	Approve	9/12/2023

History of Legislative File

Master Continued (Admin-2023-1247)

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
-----------------------	---------------------	--------------	----------------	-----------------	------------------	-------------------------	----------------

Text of Legislative File Admin-2023-1247

O&R REQUEST

DATE: August 4, 2023 **EDITION:** 1

TO: The Honorable Members of City Council

THROUGH: The Honorable Levar M. Stoney; Mayor

THROUGH: J.E. Lincoln Saunders; Chief Administrative Officer

THROUGH: Sabrina Joy-Hogg; Deputy Chief Administrative Office - Finance and Administration

THROUGH: Sheila White; Director of Finance

THROUGH: Jason May; Director of Budget & Strategic Planning

THROUGH: Robert C. Steidel; Deputy Chief Administrative Officer - Operations

THROUGH: Bobby Vincent Jr.; Director of Public Works

THROUGH: M.S. Khara, P.E., City Engineer

FROM: Michael B. Sawyer, PE, City Transportation Engineer

RE: TO AMEND THE FY24 ADOPTED CAPITAL IMPROVEMENT PROGRAM BUDGET AND TO AUTHORIZE THE CHIEF ADMINISTRATIVE OFFICER TO ACCEPT AND APPROPRIATE FUNDS FROM THE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) FOR THE AMOUNT OF \$1,488,000 TO THE AUTOMATED TRAFFIC SIGNAL PERFORMANCE MEASURES (ATSPM) PROJECT (UPC 124131)

ORD. OR RES. No.

PURPOSE: To amend Ord. No. 2023-073 adopted May 8, 2023, which adopted the Capital Improvement Plan for FY 2024, and to authorize the Chief Administrative Officer, for and on behalf of the City of Richmond, to accept funds for the total amount of \$1,488,000 from the Virginia Department of Transportation (VDOT) and appropriate the revenues by amending the FY2024-2028 Capital Improvement Program (CIP) Budget for the amount of \$1,488,000 to a New Award Project [“Automated Traffic Signal Performance Measures (ATSPM)”].

REASON: The Virginia Department of Transportation (VDOT) has allocated funds in their FY24-29 Six-Year Improvement Program (SYIP) for the “Automated Traffic Signal Performance Measures (ATSPM)”, and it will be necessary to amend of FY24 - FY28 CIP Budget to allocate these funds.

RECOMMENDATION: The Department of Public Works (DPW) recommends approval of this ordinance.

BACKGROUND: The Bipartisan Infrastructure Law (BIL) continues the Congestion Mitigation and Air Quality Improvement Program (CMAQ) to provide a flexible funding source to State and local governments for transportation projects and programs to help meet the requirements of the Clean Air Act. Funding is available to reduce congestion and improve air quality for areas that do not meet the National Ambient Air Quality Standards for ozone, carbon monoxide, or particulate matter (nonattainment areas) and for former nonattainment areas that are now in compliance (maintenance areas). The City applied for a grant to implement an Automated Traffic Signal Performance Measures (ATSPM) in 145 signalized intersections. The Richmond Regional Transportation Planning Organization (RRTPO) Board approved funding for this project through the CMAQ Funds which has been included in the Six-Year Improvement Program (SYIP) 2024-2029.

This project will provide for the implementation of an Automated Traffic Signal Performance Measures (ATSPM) on at least 17 corridors outside the downtown grid area (i.e. US Routes 1, 33, 60, 250, 360; State Routes 6, 10, 147, 161, 197; Brook Road, Commerce Road, Forest Hill Avenue, Grove Avenue, and Monument Avenue).

ATSPMs consist of a high-resolution data-logging capability added to existing traffic signal infrastructure and data analysis techniques. This provides the Department of Public Works with the information needed to proactively identify and correct deficiencies. The Department can then manage traffic signal maintenance and operations in support of an agency’s safety, livability and mobility goals.

The technology is cost effective, as ATSPMs can be applied to a wide range of signalized intersections and use existing infrastructure to the greatest extent possible. ATSPMs will also support the validation of other technologies and operational strategies, such as traffic responsive system and emerging connected vehicle applications.

ATSPM Benefits:

- Targeted Maintenance. ATSPMs provide the actionable information needed to deliver high-quality service to customers, with significant cost savings to agencies.
- Improved Operations. Active monitoring of signalized intersection performance lets agencies address problems before they become complaints.
- Increased Safety. A shift to proactive operations and maintenance practices can improve safety by reducing the traffic congestion that results from poor and outdated signal timing.

This initiative leveraged the traffic signal communication network built as part of the Richmond Signal System (RSS) Phases I through IV.

The total project estimate is \$7,423,920, but this O&R Request to amend the budget is for only

\$1,488,000 as allocated in the SYIP FY24. The remaining allocations amount will be submitted as part of the FY25-29 CIP Budget Cycle.

FISCAL IMPACT / COST: None. Project funds are 100% reimbursable.

FISCAL IMPLICATIONS: Not accepting this project will result in a loss of potential revenue and in foregoing or paying for safety improvements with city funds.

BUDGET AMENDMENT NECESSARY: Yes. This request amends the Adopted FY2024-28 Capital Improvement Program (CIP) and appropriate funds in New Award for the “Automated Traffic Signal Performance Measures (ATSPM)” in the amount of \$1,488,000.

REVENUE TO CITY: \$1,488,000 in CMAQ reimbursable funds.

DESIRED EFFECTIVE DATE: Upon Adoption

REQUESTED INTRODUCTION DATE: September 11, 2023

CITY COUNCIL PUBLIC HEARING DATE: September 25, 2023

REQUESTED AGENDA: Consent Agenda

RECOMMENDED COUNCIL COMMITTEE: None

CONSIDERATION BY OTHER GOVERNMENTAL ENTITIES: None

AFFECTED AGENCIES: Department of Public Works; Law Department; Planning and Development; Economic and Community Development; Department of Public Utilities; Finance Department; Budget and Strategic Planning; Copies also sent to: City Mayor; Chief Administrative Officer); Deputy Chief Administrative Officer; and City Attorney; Planning Commission.

RELATIONSHIP TO EXISTING ORD. OR RES.: Amends Ord. No. 2023-073 Adopted May 8, 2023.

REQUIRED CHANGES TO WORK PROGRAM(S): None.

ATTACHMENTS: VDOT SYIP Program.

STAFF: Enrique Burgos, Signal Systems Engineer, 646-6337



Six-Year Improvement Program

[Home](#) [User's Guide](#) [About](#)

[All Projects](#) [Major Projects](#) [MPO](#) [Fund](#) [Reports](#)

Line Item Details

Project Summary

UPC	T28385
Project	AUTOMATED TRAFFIC SIGNAL PERFORMANCE MEASURES (ATSPM)
Scope of Work	Safety
Description	FROM: VARIOUS TO: VARIOUS
Report Note	
Fund Source	

Project Location

District	Richmond	Jurisdiction	Richmond
Road System	Urban	Length	-
Route	U000	Street	CITY WIDE
MPO Area	Richmond		

Estimates & Schedule

	Estimated Cost (Thousands)	Schedule
Prelim. Eng. (PE)	\$756	FY2024
Right of Way (RW)	\$0	N/A
Construction (CN)	\$6,668	FY2026
Total Estimate	\$7,424	

Required Allocations

	Previous Allocations	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	Required After FY2029
Fund Sources								
Values in Thousands of Dollars								
Specialized State and Federal: MPO CMAQ	\$0	\$1,488	\$5,936	\$0	\$0	\$0	\$0	
Total Funding	\$0	\$1,488	\$5,936	\$0	\$0	\$0	\$0	\$0