

# FREDERICKSBURG AREA METROPOLITAN PLANNING ORGANIZATION (FAMPO)

Fredericksburg City  
Spotsylvania County  
Stafford County

Paul Milde  
Chairperson

Andy Waple  
FAMPO Administrator

## FAMPO RESOLUTION 14-26

### A RESOLUTION OF THE FREDERICKSBURG AREA METROPOLITAN PLANNING ORGANIZATION AMENDING THE FY15-FY18 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) TO AUTHORIZE AN AMENDMENT TO THE SCOPE OF WORK FOR THE ROUTE 1 SIGNAL OPTIMIZATION PROJECT (UPC 100451) IN THE CITY OF FREDERICKSBURG AND ALSO TO SWITCH THE ALLOCATION YEARS OF FUNDS BETWEEN THE US-1 SIGNAL PROJECT AND THE ROUTE 610/ONVILLE RD. INTERSECTION PROJECT.

WHEREAS, the City of Fredericksburg is requesting to amend the project description for UPC 100451 from a traffic signal optimization project along the US-1 Corridor to construct a traffic operations center, and

WHEREAS, the traffic operations center will better enable the City of Fredericksburg to manage the operations and function of capable signalization devices and collect associated data , and

WHEREAS, recent signal upgrade projects along the two primary route corridors in the City of Fredericksburg, Rte 1 – Jefferson Davis Highway and Rte 3 – Plank Road/Blue-Gray Parkway, were completed and this project will serve to connect and coordinate operations of the upgraded signalized intersections to better control traffic flow through the City of Fredericksburg and into/from the neighboring jurisdictions of Spotsylvania and Stafford Counties to aid in congestion mitigation, safety, and incident management, and

WHEREAS, VDOT is proposing that \$200,000 of FY17 and \$225,000 of FY18 CMAQ funds are switched for the same respective amounts of FY15 and FY16 CMAQ funds between this project (UPC 100451) and UPC 93225 (Route 610/Onville Rd Intersection improvement project), and

WHEREAS, the benefits of this transaction is that Onville Road stays funded to its current level, just in different fiscal years, with no impact to the new schedule. However, the City of Fredericksburg can produce a project that will have regional benefits based on being able to better manage traffic and signal operations throughout the City, especially on Routes 1 and 3, which should have a positive impact on traffic flow into the neighboring jurisdictions and provide regional benefits, and


WHEREAS, staff from the VDOT – Fredericksburg Residency have received an update on this information and are in support of such a project.

NOW THEREFORE BE IT RESOLVED BY THE FREDERICKSBURG AREA METROPOLITAN PLANNING ORGANIZATION THAT IT DOES HEREBY AUTHORIZE AN AMENDMENT TO THE SCOPE OF WORK FOR PROJECT UPC 100451 (US-1 SIGNAL OPTIMIZATION), AND

BE IT FURTHER RESOLVED THAT \$425,000 IN FY 2017 AND 2018 CMAQ FUNDS ARE HEREBY TRANSFERRED FROM UPC 100451 TO UPC 93225, AND \$425,000 OF FY 2015 AND 2016 ARE HEREBY TRANSFERRED FROM UPC 93225 TO UPC 100451, AND

BE IT FURTHER RESOLVED THE CITY OF FREDERICKSBURG WILL SUBMIT AN UPDATED CMAQ APPLICATION TO FAMPO AND VDOT DEMONSTRATING WHERE THE PROPOSED SCOPE RECLASSIFICATION WILL AID OR IMPROVE CONGESTION AND/OR AIR QUALITY FOR THE REGION AS WELL AS SERVING TO SUPPLEMENT PROJECT DOCUMENTATION.

Adopted by the FAMPO Policy Committee at its Meeting on October 20, 2014.

FAMPO Resolution 14-26  
  
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Chairperson  
Fredericksburg Area Metropolitan Planning Organization  
Date: 10-20-14

City of Fredericksburg		
Traffic Signal Central System Estimate - Econolite Centracs 10/01/14		
\$55,000	Centracs software - intersection license 100	Centracs Core System component/license
\$42,160	Integration	System support to install/configure (30 intersections), test and train
\$30,490	Hardware	PC, laptop, server equipment, & peripherals
\$11,650	Commercial Off The Shelf Software	Microsoft Server SQL, Navteq, & MapDotNet licensing
\$68,290	Maintenance Management System Module	Asset Management, inventory, preventive maintenance, work logs, technician support
\$20,000	Measures Of Effectiveness (MOE) module	collect and present detailed statistical data of intersection operation in graphical formats
\$2,500	Synchro Interface Module	import/Export data between Centracs and Synchro (timing optimization)
\$5,000	Centracs Local Edition	allows local field connections and laptop interface in absence of network communication
\$61,775	ASC/3 controllers	35 each - TS2-Type2 controller units @ \$1,765 each
\$4,100	Synchro Studio software	traffic signal timing synchronization and optimization software
\$1,392	Cox Communications internet service	12 months operating expense - dedicated internet line for server connection (\$116 per mo)
\$48,000	TS-2 R cabinet	6 each - TS-2 terminals & facilitates cabinet to fully support TS-2 migration. Will allow retrofit of remaining TS-1 cabinets along Rt.1 & Rt.3 corridors. @ \$8,000 ea
<b>\$350,357</b>	<b>Sub-Total</b>	<b>Estimate to configure and integrate 30 of the 60 City maintained intersections</b>
\$35,000	10% contingency	
\$40,000	CEI	
<b>\$425,357</b>	<b>TOTAL</b>	