

**NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD**  
777 North Capitol Street, N.E.  
Washington, D.C. 20002

**RESOLUTION ON AN AMENDMENT TO THE FY 2021-2024 TRANSPORTATION  
IMPROVEMENT PROGRAM (TIP) THAT IS EXEMPT FROM THE AIR QUALITY CONFORMITY  
REQUIREMENT TO INCLUDE FUNDING FOR THE DEPLOYMENT OF PERSONALIZED AND  
DYNAMIC TRAVEL DEMAND MANAGEMENT TECHNOLOGY IN THE WASHINGTON, D.C.-  
BALTIMORE, MD-RICHMOND, VA MEGAREGION PROJECT**

**WHEREAS**, the National Capital Region Transportation Planning Board (TPB), which is the metropolitan planning organization (MPO) for the Washington Region, has the responsibility under the provisions of the Fixing America's Surface Transportation (FAST) Act for developing and carrying out a continuing, cooperative, and comprehensive transportation planning process for the Metropolitan Area; and

**WHEREAS**, the TIP is required by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) as a basis and condition for all federal funding assistance to state, local and regional agencies for transportation improvements within the Washington planning area; and

**WHEREAS**, on March 18, 2020 the TPB adopted the FY 2021-2024 TIP; and

**WHEREAS**, the FAST Act established the Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) program to make competitive grants for the development of model deployment sites for large scale installation and operation of advanced transportation technologies to improve safety, efficiency, system performance, and infrastructure return on investment, and each Fiscal Year, 2016 through FY 2020, \$60 million is authorized and the Federal share for each project may be up to 50 percent of the cost of the project; and

**WHEREAS**, on June 6, 2019, the Federal Highway Administration (FHWA) announced the opportunity to apply for approximately \$12 million in Fiscal Year (FY) 2020 funds nationally under the ATCMTD Initiative Grant Award (Catalog of Federal Domestic Assistance number: 20.200 - Highway Research and Development Program); and

**WHEREAS**, COG/TPB staff submitted a \$5.95 million grant application on August 5, 2019 titled "Deployment of Personalized and Dynamic Travel Demand Management Technology in the Washington, D.C.-Baltimore, MD-Richmond, VA Megaregion," and the project will seek to accomplish the following: (1) leverage the best available technology to maximize the cost-effectiveness of a megaregion Transportation Demand Management (TDM) program; (2) integrate and expand existing TDM programs through a shared technology platform with

public and private sector partners; (3) provide personalized, timely and accurate travel information to all residents, businesses, and visitors in the proposed service area; and (4) enhance multimodal transportation access and system performance for all user groups; and

**WHEREAS**, on June 16, 2020, the FHWA announced ATCMTD funding for ten projects nationally, and COG/TPB's "Deployment of Personalized and Dynamic Travel Demand Management Technology in the Washington, D.C.-Baltimore, MD-Richmond, VA Megaregion" project had been selected for funding at the fully requested federal grant dollar amount of \$2.97 million, and the total project budget is \$5.94 million, which includes \$2.97 million (50% of the project total) local matching provided by the project partners (the three state funding agencies, University of Maryland, and Greater Washington Partnership); and

**WHEREAS**, on August 12, 2020, the COG Board of Directors adopted Resolution R27-2020-Resolution Authorizing COG to receive and expend grant funds from the FHWA for its ATCMTD grant; and

**WHEREAS**, the TPB's portion of the FY 2021-2024 TIP is proposed to be amended to include \$2.97 million in federal ATCMTD funds and \$2.97 million in state and local matching funds in FY 2020 for the **Deployment of Personalized and Dynamic Travel Demand Management Technology in the Washington, D.C.-Baltimore, MD-Richmond, VA Megaregion project (TIP ID 6728)**, as described in the attached tables and memorandum to the TPB; and

**WHEREAS**, this project is exempt from the air quality conformity requirement, as defined in Environmental Protection Agency's (EPA) Transportation Conformity Regulations as of April 2012.

**NOW, THEREFORE, BE IT RESOLVED THAT THE STEERING COMMITTEE OF THE NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD** amends the FY 2021-2024 TIP to include \$2.97 million in federal ATCMTD funds and \$2.97 million in state and local matching funds for the **Deployment of Personalized and Dynamic Travel Demand Management Technology in the Washington, D.C.-Baltimore, MD-Richmond, VA Megaregion project (TIP ID 6728)** in FY 2020 as described in the attached materials.



## MEMORANDUM

**TO:** National Capital Region Transportation Planning Board  
**FROM:** Nicholas Ramfos, Director, Transportation Operations Programs  
**SUBJECT:** Federal Highway Administration's Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Initiative Grant Award  
**DATE:** July 22, 2020

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The FAST Act established the ATCMTD program to make competitive grants for the development of model deployment sites for large scale installation and operation of advanced transportation technologies to improve safety, efficiency, system performance, and infrastructure return on investment. Each Fiscal Year, 2016 through FY 2020, \$60 million is authorized and the Federal share for each project may be up to 50 percent of the cost of the project.

On June 6, 2019, The Federal Highway Administration (FHWA) announced the opportunity to apply for approximately \$12 million in Fiscal Year (FY) 2020 funds nationally under the Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Initiative Grant Award; (Catalog of Federal Domestic Assistance number: 20.200 - Highway Research and Development Program).

COG/TPB staff submitted a \$5.95 million grant application on August 5, 2019 titled "Deployment of Personalized and Dynamic Travel Demand Management Technology in the Washington, D.C.-Baltimore, MD-Richmond, VA Megaregion." The project will seek to accomplish the following: (1) leverage the best available technology to maximize the cost-effectiveness of a megaregion Transportation Demand Management (TDM) program; (2) integrate and expand existing TDM programs through a shared technology platform with public and private sector partners; (3) provide personalized, timely and accurate travel information to all residents, businesses, and visitors in the proposed service area; and (4) enhance multimodal transportation access and system performance for all user groups.

In collaboration with state and local governments in the District of Columbia, Maryland, and Virginia, the private sector represented by the Greater Washington Partnership (GWP), more than 8,000 existing employer partners, and the University of Maryland (UMD), this ATCMTD project will leverage the latest advances in real-time big data, artificial intelligence, and advanced computing technologies to deliver personalized and dynamic traveler incentives and to implement a first-in-the-nation, coordinated TDM deployment in an entire megaregion covering three metropolitan areas: the DMV megaregion of Washington, D.C., Baltimore, MD, and Richmond, VA metropolitan areas and surrounding rural counties in D.C., DE, MD, PA, VA, and WV.

On June 16, 2020, COG/TPB staff [was notified](#) that it had been one of 10 projects nationally that had been awarded a ATCMTD program grant for the full grant dollar application amount; \$2.97 million (50%) of the grant award will be federal, and the remaining \$2.97 million (50%) will be a local match provided by the project partners (Commuter Connections funding agencies, UMD, and GWP) tasked with the development and deployment of the technology service platform. COG's responsibilities will be to work with FHWA on executing a direct Cooperative Agreement to manage

and implement the grant, executing agreements/MOU's or amending the CCWP with the project partners as needed, filing progress and financial reports, reviewing and approving invoices, and handling all financial aspects of the grant during the three year grant period.

#### **NEXT STEPS**

The COG Board will be asked to approve the receipt and expenditure of the ATCMTD grant funds at its August 12, 2020 Board meeting. The TPB will be asked to approve the ATCMTD grant award, with COG as its administrative agent, at its September 16, 2020 meeting.

# FY 2021-2024 TRANSPORTATION IMPROVEMENT PROGRAM

Amendment request for TPB Steering Committee consideration on 9/4/2020

All amounts shown in \$1,000s

**Agency:** National Capital Region Transportation Planning Board

**Title:** Deployment of Personalized and Dynamic Travel Demand Management Technology in the Washington, D.C.-Baltimore, MD-Richmond, VA Megaregion

<b>TIP ID:</b>	6728	<b>Description:</b>	<b>Projected Completion:</b>	2020
<b>Agency ID:</b>		Expand the incenTrip technology platform leverage the best available technology to maximize the cost-effectiveness of a megaregion TDM program, integrate and expand existing TDM programs through a shared technology platform with public and private sector partners; and provide personalized, timely and accurate travel information to all residents, businesses, and visitors in the proposed service area and enhance multimodal transportation access and system performance for all user groups.		
<b>Facility:</b>				
<b>From:</b>				
<b>To:</b>				

**Total Project Cost: \$5,940**

SOURCE CODE	Federal/ State/ Local.	Total Funds Prior to FY 2020	Prev. Annual Element FY 2020	ANNUAL ELEMENT				TOTAL BY SOURCE FY 21-24	4-YEAR PROGRAM TOTAL
				FY 2021	FY 2022	FY 2023	FY 2024		
ATCMTD	100/0/0		2,970 e						
State	0/100/0		2,970 e						

Amendment or Modification Description and Approval Date

<b>Amendment: Amendment: 21-07: Amend New Project to TIP</b>	<b>Requested on: 9/4/2020</b>
Amend project into the FY 2021-2024 TIP with \$2.97 M in federal ATCMTD funding and \$2.97 M in state and local match funds in FY 2021	