National Capital Region
Transportation Planning Board

MEMORANDUM

TO: TPB Technical Committee

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 1, 2020

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 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.