ADVANCED TRANSPORTATION AND CONGESTION MANAGEMENT TECHNOLOGIES DEPLOYMENT (ATCMTD) PROGRAM

VIRGINIA

AI Meets ICM: Realizing the Next Generation of Regional Mobility

ATCMTD FY 2019 Grant Award: $4,355,000
Recipient: Virginia Department of Transportation

Project Description

The Virginia Department of Transportation and its planning partners across the region intend to expand two important programs that are part of the Northern Virginia Regional Multi-Modal Mobility Program (RM3P) plan. The first project will deploy predictive parking availability information using artificial intelligence to the planned on-street value-pricing parking project in Arlington and the commuter parking project at lots operated by the Virginia Railway Express around Fredericksburg. The second project will expand the decision support system of RM3P to Fredericksburg, employing advanced machine-learning techniques and artificial intelligence to generate incident and congestion management responses based on real-time conditions.

About ATCMTD

The Advanced Transportation and Congestion Management Technologies Deployment program funds model deployments of cutting-edge transportation technologies that improve mobility and safety for the nation's travelers and enhance performance of the highway system. ATCMTD was established under the "Fixing America's Surface Transportation" (FAST) Act to fund innovative projects that prepare America for a transportation system of the future.