ADVANCED TRANSPORTATION AND CONGESTION MANAGEMENT TECHNOLOGIES DEPLOYMENT (ATCMTD) PROGRAM

MICHIGAN

Intelligent Woodward Corridor Project

ATCMTD FY 2019 Grant Award: $5,500,000
Recipient: Michigan Department of Transportation

Project Description

The project will design, deploy and evaluate an intelligent transportation network along the M-1 (Woodward Avenue) transportation corridor that serves the citizens of Detroit and surrounding communities. Four main capabilities will be deployed along the corridor: 1) pedestrian detection, prioritization and alerts; 2) traffic intersection preemption and signal priority for authorized vehicles; 3) vehicle-to-vehicle and vehicle-to-infrastructure communications; and 4) transportation system optimization through data analytics and edge computing. A fifth technology, wrong way driver detection and alerts, will be deployed at selected expressway vehicle on/off-ramps adjacent to M-1.

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.