GOAL 2

Systems & Technology

Objective 2.1: Develop and implement Advanced Traffic Management Systems (ATMS) with Active Traffic Management (ATM) capabilities

Strategy 2.1a: Launch the first set of TSMO Active Traffic Management (ATM) capabilities as part of the I-270 Innovative Congestion Management Project

Strategy 2.1b: Complete an assessment of MDOT and MDOT SHA communications assets and incorporate enhancements into future projects

Strategy 2.1c: Implement integrated traffic management projects including Traffic Relief Program (TRP) projects like I-695 TSMO and Smart Signals projects

Strategy 2.1d: Develop Asset Management Systems for ITS devices and TSMO infrastructure

Objective 2.2: Develop Integrated Corridor Management (ICM) capabilities for multimodal passenger and freight movement

Strategy 2.2a: Use the existing I-95 ICM Concept of Operations to identify opportunities for freeway and arterial management integrated operations

Strategy 2.2b: Bring operations data regarding various transportation modes into a single platform to develop a Common Operating Picture (COP)

Strategy 2.2c: Identify opportunities to improve coordinated transportation management including highway, transit, and freight operations

Strategy 2.2d: Implement a Decision Support System that incorporates real-time data from existing systems and develops appropriate response strategies

Objective 2.3: Develop and apply technological foundations for Connected and Automated Vehicles (CAV)

Strategy 2.3a: Align and coordinate TSMO Planning efforts with the MDOT SHA CAV Strategic Action Plan implementation

Strategy 2.3b: Implement CAV technology deployment pilots on MDOT transportation infrastructure and develop a Maryland owned traffic management and CAV testing facility

Strategy 2.3c: Collaborate with private sector and research community for CAV testing on MDOT infrastructure (roadways and facilities)