

5. MARYLAND TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS (TSM&O) PLAN IMPLEMENTATION

The need to maximize the performance of the existing highway system has led Maryland to become one of the first states to formally develop a Transportation Systems Management and Operations (TSM&O) Strategic Implementation Plan. The plan included four key goals, associated objectives, performance metrics, and strategies.

This TSM&O Plan is a strategic effort to maximize mobility and reliable travel by incorporating performance measures into a formal process. The objectives of the program include:

- Incorporate TSM&O oriented practices in planning and programming business processes.
- Promote culture supporting TSM&O both inside and outside of MDOT SHA and raise overall awareness.
- Develop freeway and arterial master plans (statewide monitoring, measurement, communication, infrastructure/detection technology and evaluation strategies).
- Develop Integrated Corridor Management plans to coordinate the assets of multiple transportation disciplines to provide reliable movement of goods and services.

- Implement a comprehensive system level performance measurement program and monitor progress toward mobility and reliability targets.
- Develop TSM&O Performance Monitoring System.
- Coordinate and ensure TSM&O is considered in SHA's Asset Management Program.
- Include reliability in existing traffic analysis and travel forecasting modeling tools.
- Achieve a user cost savings of \$1 billion annually by effective congestion management and TSM&O.

Various tasks are on-going to meet the goals and objectives of the plan. Among the areas that have been addressed include:

- Development of plans for implementing TSM&O strategies.
- Identification of priority corridors.
- Development of performance measures for freeway hot spots.
- Assessment of existing travel time reliability model.
- Created website, YouTube videos, and Twitter account focuses on operations strategies.



Goal 1.
Develop and implement a sustainable TSM&O Program at SHA.



Goal 2.
Improve travel time reliability for both people and freight on both freeways and arterial highways by enabling customers with information and choices.



Goal 3.
Develop data and performance driven approaches to support TSM&O planning, programming, implementation and evaluation decisions.



Goal 4.
Improve the travelling public's experience on Maryland highways by enabling customers with information and choices.