Statewide Arterial Management Program

The Statewide Arterial Management Program (STAMP) supports the implementation, management, and operations and maintenance (O&M) of performance-based arterial networks. The goal of the program is to achieve increased throughput, efficient multi-modal operation, reduced travel time, increased traffic and bicycle/pedestrian safety and increased system uptime outcomes envisioned in the Transportation Systems Management & Operations (TSM&O) Strategic Plan.

The **STAMP Action Plan** was developed by the Department to provide outcome based actions intended to guide the collective arterial management efforts of the Department in collaboration with its partners. The STAMP Action plan has five focus areas including infrastructure upgrades, data management, performance measurement, emerging technologies, and operations and maintenance. More information about the STAMP can be found on the STAMP website.

Arterial Projects and Strategies

Projects that build and support arterial operations and management include:

Traffic signals – Installation of new traffic signals.

Traffic signal update – Replacing some or all components of a traffic signal at an intersection to bring them up to the operations needs for the current intersection traffic needs.

Traffic control systems – Refers to an interconnected set of traffic signals that provides for progression through intersections.

Arterial traffic management – Traffic signal systems that provide for the safe and efficient movement of traffic along arterials. These systems are characterized by the interconnection of signals and the use of computers to implement traffic patterns to maximize the throughput of traffic. These systems have the capabilities to receive information from the street through detectors that are either imbedded in the pavement or mounted on the side of the road to make decisions regarding the proper traffic pattern to implement to best move traffic. These systems may include the use of CCTV cameras to monitor the traffic, dynamic message signs to provide feedback to the public, preemption for emergency vehicles, and prioritization for public transit.

ITS communication systems - Projects include the planning, design, deployment, and integration of communications infrastructure that support ITS.

These projects may support major arterial management strategies such as :

Active Arterial Management (AAM) – The practice of monitoring roadways with the goal of identifying crashes, causes for corridor congestion, and maintenance issues that are impacting safety and mobility.

Integrated Corridor Management (ICM) – The practice of coordinating the management of freeway and arterial traffic operations along a corridor to divert traffic in response to nonrecurring congestion. This may involve implementing technology systems to enable associated traffic signal needs.

Automated Traffic Signal Performance Measures (ATSPM) – A system that monitors signal performance by logging real time measures. It also uses tools to evaluate this data and support signal management, operations, and maintenance.

Arterial Management Coordination:

- Coordinate project scope with District Traffic Operations and Traffic Design Offices to identify their current activities and any other considerations which could be evaluated for incorporation.
- Closely coordinate with local agencies on preferred detection technology and other ITS infrastructure preferences they have that meet FDOT standards. On most of the non-limited access State Highway System (SHS) the Department has an agreement with these agencies to be compensated to lead the operation and maintenance of the traffic signal control devices. See the following section.

Traffic Signal Maintenance and Compensation Agreement

FDOT partners with local agencies for the maintenance of traffic signal systems through the Traffic Signal Maintenance and Compensation Agreement (TSMCA). This agreement provides details on maintenance needs, associated compensation for the traffic control devices, and provides for the local agencies to complete repairs to damaged devices from crash or force majeure events.

Training Resources

Useful training on STAMP and other Traffic Operations topics can be found here.