

Active Arterial Management – Reducing Daily Congestion

Arterial roadways are a crucial link in the national transportation system. They account for more than one million miles of roadway, connecting local and collector roads to the national highway systems.

In order to keep Central Florida’s arterials safe, mobile, and efficient for all users, the Florida Department of Transportation (FDOT) operates the Active Arterial Management (AAM) program in District Five.

The AAM program is designed to provide a higher level of service, accurate traveler information, and safer arterial roadways for the motorists in Central Florida. These are integral facets of Integrated Corridor Management (ICM), which primarily aims to reduce daily and non-recurring congestion on arterials. The project also manages congestion related to special events and work zones.



With a diverse toolkit at its disposal, AAM allows FDOT to effectively and preemptively mitigate congestion. Some of these methods include active signal retiming, coordination with local first responders, facilitation of emergency maintenance needs, diversion routes, and the dissemination of traveler information through dynamic message signs (DMS).

By dedicated human and technological resources, AAM can identify and effectively address the causes of congestion on a real-time basis, enhancing the mobility of Central Florida’s arterial roadways.

For roadside assistance,
call *FHP (*347) from your
mobile phone.

For more information, visit
CFLsmartroads.com

Diversion Routes and Signal Timing

A diversion route is a detour or redirection of traffic from a main or congested roadway onto a temporary, adjacent, or arterial roadway. AAM specialists coordinate with various agencies to make multiple signal timing adjustments across a range of intersections. By controlling the timing of traffic signals, AAM allows traffic to quickly circumvent incidents and congestion.

AAM specialists have created a compilation of reusable diversion routes called the “Corridor Smartbook.” By recording their diversion routes, AAM specialists are prepared to mitigate congestion in a range of situations and incidents.



AAM Roles

- ▶ **Operations Manager:** Responsible for overseeing the daily operations of the Regional Transportation Management Center (RTMC) AAM program. Responsibilities include general management, oversight, quality control, and administration.
- ▶ **Signal Timing Engineer:** Oversees operations in accordance with protocols and policies, and assures all incidents are handled properly. Responsible for the development of training manuals, providing services in the timing plan, and special event development/refinement.
- ▶ **RTMC AAM Operator:** Responsible for operating the various RTMC system workstations and monitoring traffic conditions. Assists in the development of protocols, standard operating procedures, and ensuring compliance with the FDOT and Central Florida Expressway Authority guidelines and practices.

