ADVANCED TRANSPORTATION MANAGEMENT SYSTEM (ATMS)

Installation begins in July 2012

The Florida Department of Transportation (FDOT), in cooperation with Broward County Traffic Engineering Division and Broward County Transit, is expanding the Advanced Transportation Management System (ATMS) to include the central Broward County area. This project is the pilot project for the FDOT and Broward County Transportation System Management and Operations (TSM&O) program on arterial roadways. Through TSM&O strategies, such as incident management and traffic demand management, the travel time reliability along these streets will improve for all users. When completed, this project will allow traffic on these arterials to be more effectively managed thereby reducing delays and travel times.

PROJECT OVERVIEW

The current project encompasses almost 32 miles of arterial roadways in Fort Lauderdale, Sunrise, Oakland Park, Wilton Manors, Lauderdale Lakes, Lauderhill, and Plantation. The contractor, World Fiber Technologies, will install the following types of devices:

- 22 miles of fiber optic communications infrastructure
- Closed Circuit TV (CCTV) Cameras
- Arterial Dynamic Message Signs (ADMS)
- Opticom devices for emergency pre-emption and Transit Signal Priority (TSP) system devices
- Microwave Vehicle Detection System (MVDS)
- Travel Time System (TTS) readers

The MVDS and TTS devices will be used by the staff at the Traffic Management Center (TMC) to collect data related to travel time and speeds. In combination with the traffic monitoring cameras, TMC staff will be able to identify and respond to the causes of congestion in real time. The TMC staff will use this information to coordinate with emergency responders on incidents and optimize the signal system's operations. The ADMS will be used to display travel times to major destinations within the project limits and any delays due to traffic incidents as well as Amber Alerts, Silver Alerts and motorist safety messages. FDOT and our partners expect that this ATMS will decrease incident response time and improve travel time on these roadways.

PROJECT BENEFITS INCLUDE:

- Increased motorist awareness through the use of ADMS to provide travel times. The signs will provide travel times and incident information in real time empowering the motorists to alter their travel routes, if desired.

- Emergency Pre-Emption and transit signal priority will allow emergency vehicles and buses to travel faster and more safely through intersections.

- Improved incident response time through earlier detection through the use of the MVDS, TTS and traffic monitoring cameras. Incidents can be cleared up to 30% faster preventing secondary incidents and reducing "rubbernecking."

- Data collected can also be used to adjust traffic signals to improve the timing and flow of traffic.

PROJECT AREA

- Oakland Park Boulevard from University Drive to US 1

- Sunrise Boulevard from US 441 to US 1

- Broward Boulevard from University Drive to US 1

- US 441 from SW 6 Street to Commercial Boulevard

- University Drive from Broward Boulevard to Oakland Park Boulevard

- US 1 from Broward Boulevard to Oakland Park Boulevard
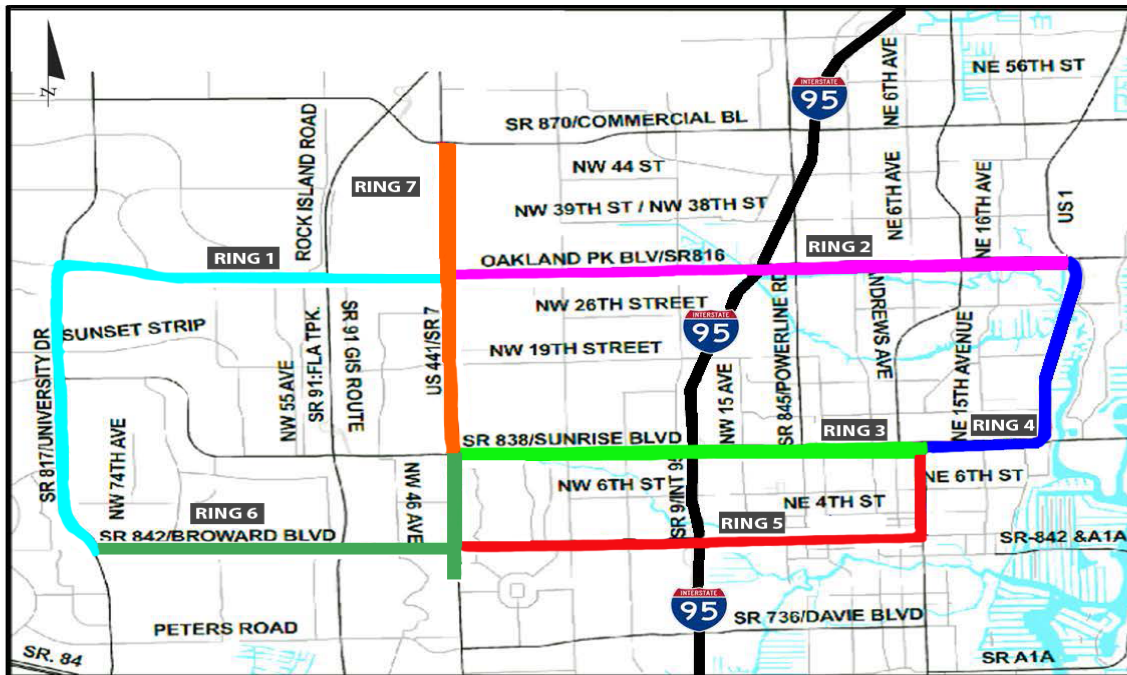
CONSTRUCTION OPEN HOUSE

An open house will be held for the cities impacted by rings 2, 3, 4, 5, and 7.

Wednesday, June 27, 2012
6:00 p.m. to 8:00 p.m.
Jaco Pastorius Community Center
1098 NE 40 Court
Oakland Park, FL 33334

A second open house will be scheduled in the spring for rings 1 and 6.

BROWARD COUNTY ATMS NETWORK RING DESIGN

LEGEND:

RING 1	March 2013	
RING 2	July 2012	
RING 3	May 2013	
RING 4	November 2012	
RING 5	January 2013	
RING 6	March 2013	
RING 7	September 2012	

CONSTRUCTION INFORMATON

Construction is scheduled to begin in July 2012 and last through summer 2013. Access to businesses will be maintained with minimal disruption throughout the project. The construction will not affect driveways. There will be no lane closures between 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m., morning and afternoon rush hours, respectively.

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