



Orange
County
Answers

FACT Sheet

Provided as a Community Service of Orange County Public Works Department • 4200 S. John Young Parkway • Orlando, Florida 32839

Traffic Management Center

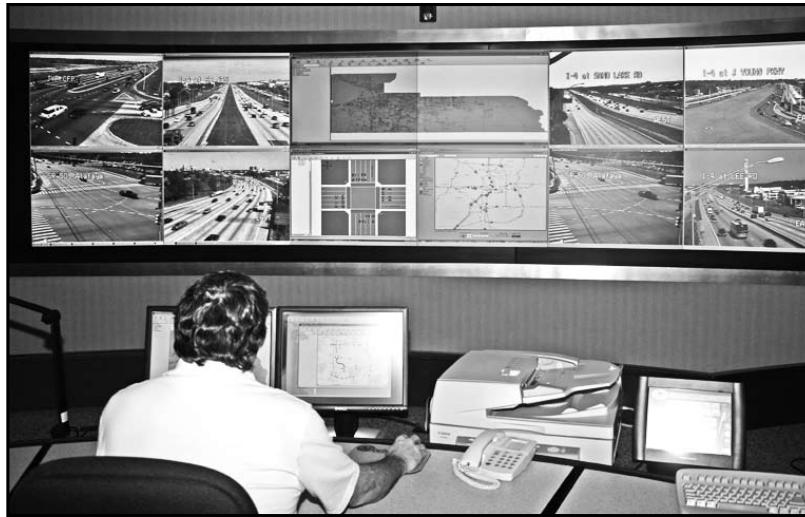
Orange County's Advanced Traffic Management System

A project started in 2001 and funded by a \$7.5M federal grant. A Feasibility Study completed for this project in April 2002 outlined four phases, the first of which was entirely funded by the grant and was completed in January 2006. Phase I included:

- Interconnecting 350 traffic signals using an 80-mile fiber optic communication network to allow for synchronization and reduction of stops and delay.
- Upgrading the County's Traffic Management Center to enable remote control, monitoring, and troubleshooting of various traffic control devices.
- Installing nine traffic-monitoring devices at highly congested intersections.
- Installing eight dynamic message signs at all approaches to I-4 along unincorporated County roads to alert motorists of traffic conditions on I-4 before taking that route.

Subsequent phases include interconnecting additional traffic signals, upgrading traffic signals to latest standards, and installing additional traffic monitoring devices. The following additional improvements have recently been completed:

- Interconnecting 40 traffic signals.
- Installing 31 traffic-monitoring devices.
- Installing communication backup routes for master switches to minimize failures.



The following projects are underway:

- Integrating all dynamic message signs with Florida DOT's traveler information system to display travel time information to various destinations.
- Installing five dynamic message signs and five automatic vehicle identification transponder readers to provide travel time information approaching UCF Stadium.

Adaptive Traffic Control System (SCOOT) Expansion

The system currently includes 44 signals along International Drive, Universal Boulevard, and Sand Lake Road, John Young Parkway, and Central Florida Boulevard. The new expansion will include 26 intersections along University Boulevard, Alafaya Trail, UCF Campus, and Central Florida Research Park. This will allow traffic signals to adapt their timing to the constantly changing traffic conditions in that area and reduce stops and delays to residents, UCF staff, students, and stadium visitors.

Annual Signal Coordination Program

Each year, the TMC staff updates signal timing for one third of traffic signals along major corridors to ensure optimal synchronization. This program minimizes stops and delays for motorists as they travel from one signal to another along those corridors, which reduces their travel time, fuel consumption, vehicle emissions, and may also reduce crash potential. 🍌