

# TOA Completes Traffic Signal Retiming Project

In today's tight economy, many local and state governments are facing serious funding shortfalls, so it is imperative that new and creative ways to address roadway capacity are considered. One such operational strategy is traffic signal retiming. Traffic signal retiming can provide many benefits, including:

- Reductions in travel time
- High return on investment
- High benefit-cost ratio
- Reductions in greenhouse gas emissions
- Reductions in fuel consumption



TOA recently completed a citywide traffic signal retiming effort in Ocala, Florida. The project consisted of retiming nearly 90 traffic signals along three major corridors and was completed in three phases. The benefits Ocala realized are highlighted as follows.

## ***Phase 1 – SR 40 from 36th Avenue to 49th Terrace (5 signals)***

- Measured travel time reductions as high as **14%**
- Time and value savings to Ocala citizens of **\$2 million per year**
- Estimated reduction in greenhouse gas emissions of **15%**
- Benefit-cost ratio of **24.7**



## ***Phase 2 – SR 40 from US 301/Pine Avenue to 25th Avenue (11 signals)***

- Measured travel time reductions as high as **32%**
- Time and value savings to Ocala citizens of **\$7 million per year**
- Estimated reduction in greenhouse gas emissions of **6.4%**
- Benefit-cost ratio of **37.7**

## ***Phase 3 – SR 200 from 60<sup>th</sup> Court to Martin Luther King Boulevard (16 signals)***

- Final results pending on this primary east-west arterial ; initial results are promising, with measured travel time reductions as high as 27%.

For more information, please contact:

W.T. Bowman, P.E.

TOA Senior Project Manager | Phone (813) 224-8862 | E-mail: [wbowman@tindaleoliver.com](mailto:wbowman@tindaleoliver.com)