



# Traffic Light Signal Synchronization

## Fast Facts



## Keeping Orange County Moving



### More Green Lights

Traffic signal synchronization allows a series of lights along a street to turn green based on synchronized timers set to current traffic patterns and congestion levels. Signal synchronization is a cost-effective way to reduce overall stops and travel delays. With Orange County's population estimated to increase 11 percent by 2030, the Orange County Transportation Authority in partnership with the California Department of Transportation (Caltrans), the County of Orange and all 34 cities developed a master plan to coordinate traffic lights across the county in an effort to ease growing traffic demands.

### Save time, money and help the environment

- Reduced travel times allow you to spend more time with family and friends.
- Cars use less gas by reducing stop and go travel and unnecessary idling at red lights.
- Vehicle emissions are reduced because cars run more efficiently due to less starting and stopping.



### Signal Synchronization Projects

OCTA has completed eight signal synchronization projects. We worked closely with 21 agencies synchronizing nearly 550 signals over 139 miles. These projects include:

- Euclid Street
  - Demonstration Project
  - 15 miles and 62 signals
- Oso Parkway
  - Demonstration Project
  - 8 miles and 34 signals
- Alicia Parkway
  - Traffic Light Synchronization Program
  - 11 miles and 41 signals
- Beach Boulevard
  - Traffic Light Synchronization Program
  - 20 miles and 70 signals
- Chapman South
  - Traffic Light Synchronization Program
  - 15 miles and 52 signals
- Harbor Boulevard
  - Traffic Control Measure Project
  - 19 miles and 83 signals
- Westminster Avenue
  - Traffic Control Measure Project
  - 22 miles and 100 signals
- Bristol Street
  - Traffic Control Measure Project
  - 28 miles and 107 signals

### The results are successful

- Corridor speeds have increased an average of 19%.
- Travel times have decreased an average of 15%.

### Next Steps

Based on these positive results, OCTA is implementing the remaining seven of ten projects as part of Proposition 1B/Traffic Light Synchronization Program. These project corridors will be synchronized end to end and the first of these projects will be completed starting fall 2011. These project corridors are:

- Brookhurst Street
  - 16 miles and 59 signals
- Edinger Avenue
  - 21 miles and 81 signals
- El Toro Road
  - 11 miles and 39 signals
- Katella Avenue
  - 15 miles and 58 signals
- La Palma Avenue
  - 18 miles and 58 signals
- Orangethorpe Avenue
  - 19 miles and 43 signals
- Yorba Linda Boulevard
  - 12 miles and 45 signals

In summer 2011, OCTA awarded nearly \$8 million for 17 projects to local agencies to implement multi-agency synchronization as part of Measure M2/Project P 2010 Call of Projects. OCTA released the 2012 Call for projects in fall 2011.

### Stay Connected

Visit [www.octa.net/signal\\_overview](http://www.octa.net/signal_overview) or contact Jaclyn Cordova, Associate Community Relations Specialist at (714) 560-5787 or [jcordova@octa.net](mailto:jcordova@octa.net)