August 16, 2012

12:00 Noon to 4:00 PM

EDC Exchange for Local and Tribal Agencies

Local Discussion for Adaptive Signal Control Technologies: What is it, and How can it Benefit Local Agencies?

Poor traffic signal timing contributes to traffic congestion and delay. Conventional signal systems use pre–programmed, daily signal timing schedules. Adaptive signal control technology adjusts the timing of red, yellow and green lights to accommodate changing traffic patterns and ease traffic congestion. The main benefits of adaptive signal control technology over conventional signal systems are that it can:

- Continuously distribute green light time equitably for all traffic movements.
- Improve travel time reliability by progressively moving vehicles through green lights.
- Reduce congestion by creating smoother flow.
- Prolong the effectiveness of traffic signal timing.

What are Adaptive Signal Control Technologies?

The variability and unpredictability of traffic demand on arterial systems often outpace the ability of local and State agencies to update signal timings so that signalized intersections operate efficiently and do not cause congestion and delays to motorists and pedestrians. The 2007 National Traffic Signal Report Card rated the Nation's traffic signal management and operations practices with a letter grade of "D" and estimated that poor traffic signal timing contributes to as much traffic congestion and more than 295 million vehicle-hours of delay on major roadways alone. Conventional signal systems do not use pre-programmed, daily signal timing schedules that do not monitor system performance, nor can they adjust automatically to accommodate traffic patterns that are different from the peak periods during which they were designed to operate. Adaptive signal control technologies adjust when green lights start and end to accommodate current traffic patterns to promote smooth flow and ease traffic congestion. For more information about Adaptive Signal Control, or other Every Day Counts Initiatives, please visit http://www.fhwa.dot.gov/everydaycounts/

Join the Federal Highway Administration, MassDOT, other municipalities, and the Baystate Roads Program (LTAP) for: lunch, a local discussion on Traffic Control Signalization, and an FHWA webinar with discussion on Adaptive Signal Control Technologies. Delivery methods will include live presentations, webinar presentations, and several interactive webinar question and answer periods. The event will be held in the Central Massachusetts Regional Planning Commission (CMRPC) Training Room at Union Station in Worcester. There is no fee to attend this EDC Exchange session, and local municipal agencies are strongly encouraged to attend. Food will be provided. Space is limited, so please register early. Webinar location:

CMRPC Training Room
Union Station
2 Washington Square
Worcester, MA 01604
508.756.7717

Agenda (Subject to Change)

11:30 am	**Room Opens**
12:00 pm	**Lunch (provided)**
12:45	**MassDOT Signal Control Initiatives**
1:45	**Break (Coffee, Snack)**
2:00	**National FHWA Webinar Part I**
2:25	**Local Q and A / Discussion**
2:45	**National Q and A / Discussion**
3:00	**National FHWA Webinar Part II**
3:25	**Local Q and A / Discussion**
3:40	**National Q and A / Discussion**
4:00 pm	**Adjourn**

Please visit the Baystate Roads Program website to register for this free event:

www.mass.gov/baystateroads