

SynchroGreen Adaptive Traffic Signal Control Technology Effectively Solved A Serious Transportation Problem

CUBIC | Trafficware was selected by the City of Baytown, outside Houston, Texas, to deploy SynchroGreen® Adaptive Traffic Control System, ATMS.now Central Management System and the wireless Pod Detection System™ along the State Highway 146 and Garth Road corridors. The project goal was to provide congestion relief to Baytown area commuters and improve travel time for local commercial arterials.

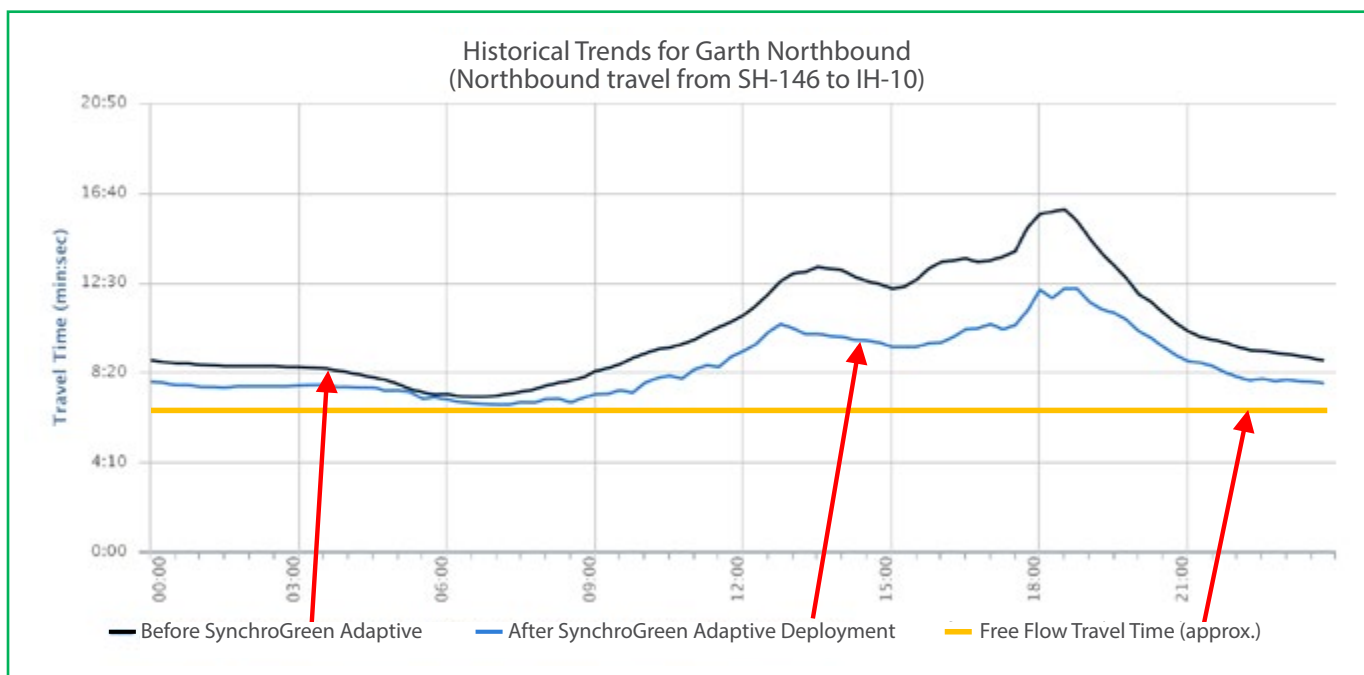
Funded in conjunction with the Texas Department of Transportation's support of adaptive initiatives in the Houston area, the project includes a total of 28 intersections. State Highway 146 and Garth Road are key North-South corridors in Baytown's transportation network. These corridors are a major hub for large oil refining, chemical, plastic and rubber manufacturing companies as well as the primary link to a large concentration of retail and commercial businesses that can cause unpredictable levels of congestion.

The City chose to deploy CUBIC | Trafficware's SynchroGreen Adaptive Traffic Control System since it can adjust traffic signal timing in real-time and adapt to current traffic patterns, mitigating choke points as they occur and improving travel efficiency on these busy economic corridors.

Improvements of approximately 25% in reduced travel time during busy peaks.

Project Recap

- 28 intersections of adaptive control
- Two heavily traveled corridors. The Garth Corridor alone handles 30,000-40,000 ADT
- 980 ATC controllers, stopbar and advance POD wireless magnetometer detection
- BlueTOAD™ bluetooth travel time readers
- Bluetooth system independently verified dramatic speed increases with decreased travel time
- Cellular modems for connectivity
- City reports traffic keeps moving with drivers seldom waiting at red signals
- Baytown contracted for a third, nine intersection corridor on Main Street



Garth NB Travel Times– Wed. 2/17 vs Previous 12 Wednesdays