

# Bluetooth Travel Time Measuring Devices

## Adaptive Traffic Signal Control

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# Overview

- **University Parkway Pilot Project**
  - Adaptive Traffic Signal Control
  - Bluetooth Travel Time Measuring
- **Countywide Projects**
  - Bluetooth Travel Time Performance Measuring
- **Summary**
- **Recommendation**



# University Parkway Pilot Project

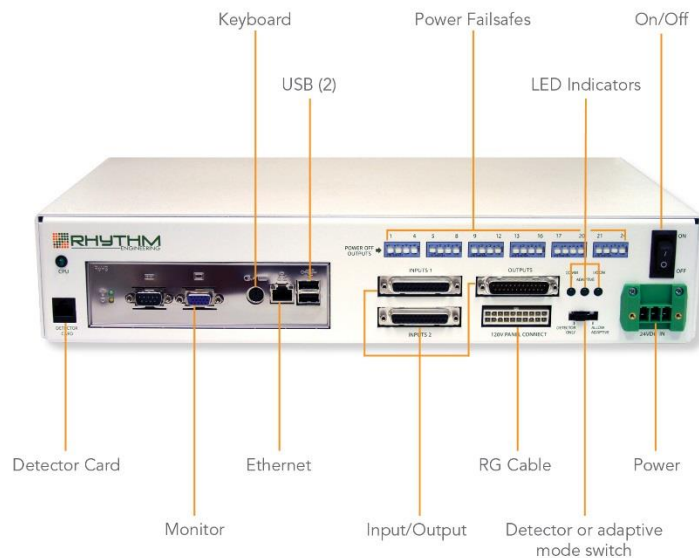
- Partnership with FDOT and Sarasota County
- Adaptive Traffic Signal Control
  - InSync
  - 3 Traffic Signals in Manatee County
  - 15 in Sarasota County
- Bluetooth Travel Time Measurement
  - BlueTOAD
  - 2 devices (and server) in Manatee County
  - Possibly upgrading Sarasota County locations



# InSync

## Adaptive Traffic Signal Control

This computer processor is installed in the traffic signal cabinet at each intersection. The InSync Processor gathers and calculates detection information from all sources available (such as video cameras, loops and pedestrian intercepts) and then determines the service priority for each approach.



# BlueTOAD

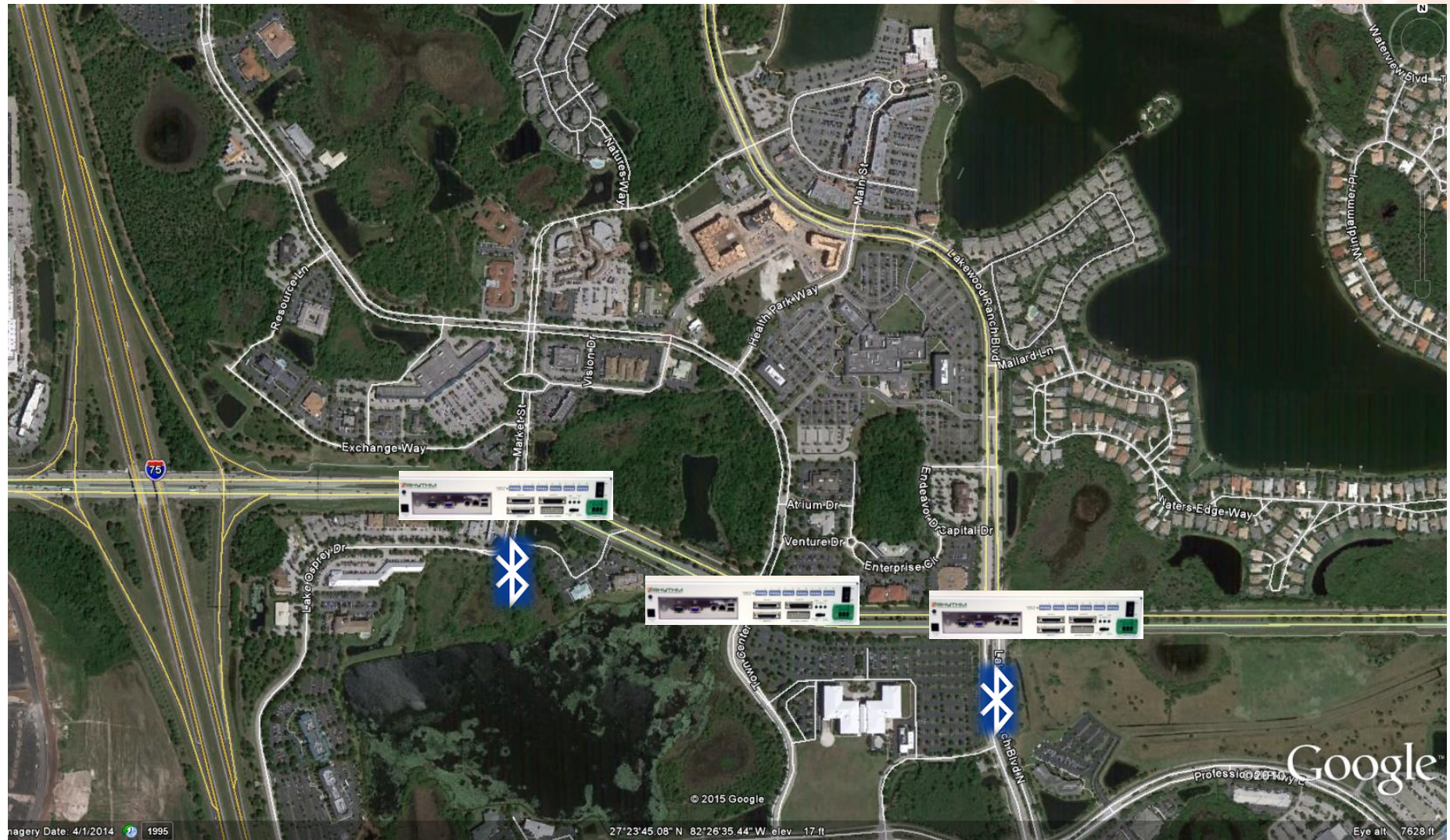


- BlueTOAD™ (**B**luetooth **T**ravel-time **O**rigination **A**nd **D**estination) traces anonymous Bluetooth™ by Trafficast signals from mobile devices in vehicles to determine travel times, road speeds and vehicle movements.
- BlueARGUS is the most comprehensive data driven reporting software, optimized for travel-time data and dashboard-based visualization. BlueARGUS provides data analysis using intuitive information selection menus - no programming needed!





# University Project Map



# Upcoming Projects

## FDOT Tentative Work Program

- Bluetooth System at Various Locations Throughout County
- Project Traveler Information Website
- Master Plan & Concept of Operations for RTMC

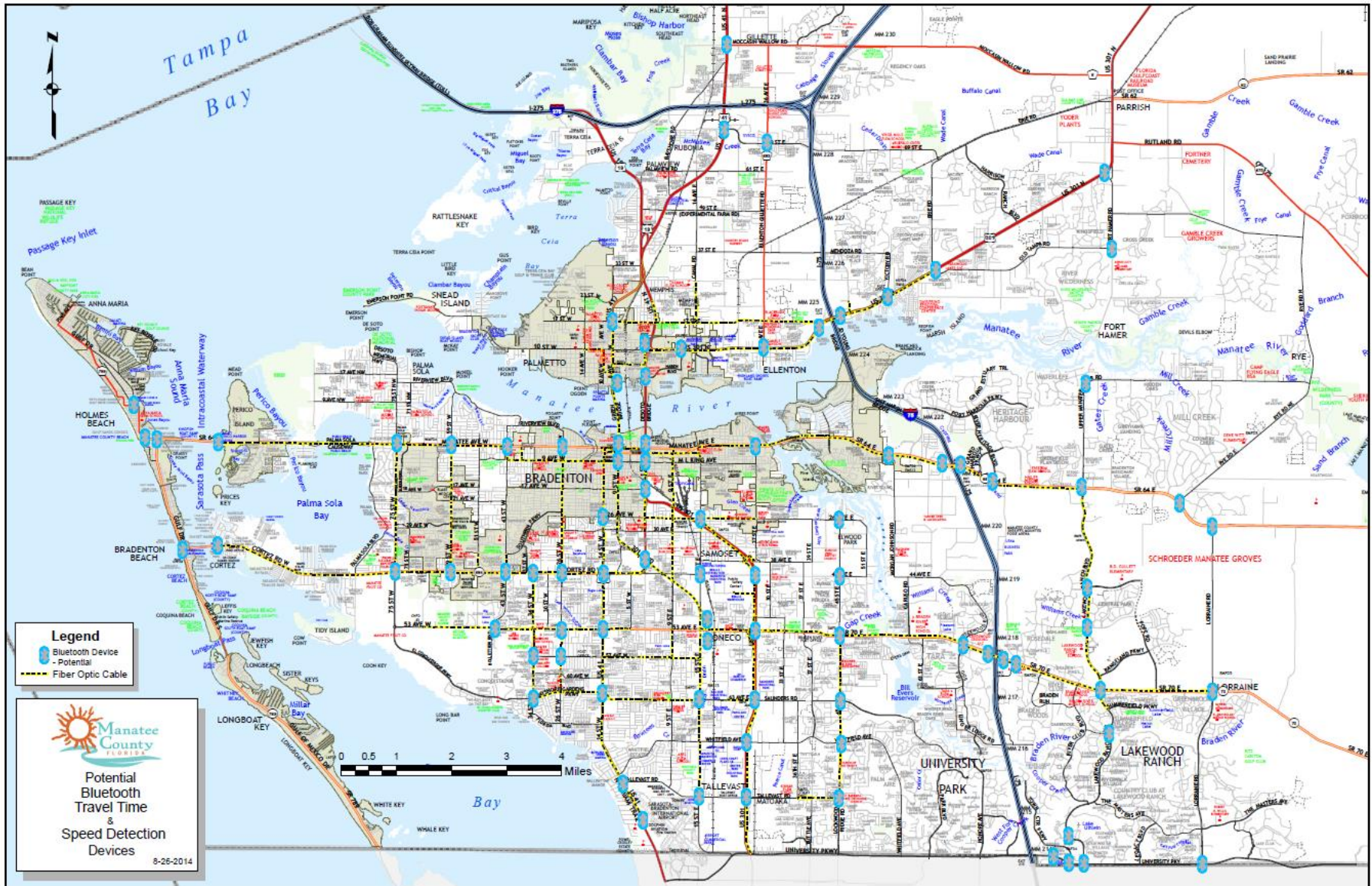
## Possible Projects

- Adaptive Traffic Signal Control Grant Application
- Future ATMS Priority Projects through the MPO





# Countywide Project Locations





# Summary

- University Parkway Pilot Project
- Upcoming Bluetooth Countywide Project

## Recommendation

- Continue to support the Regional Traffic Management Center with upcoming project requests

