

Palm Beach County Traffic Engineering Division

Traffic Management Center (TMC) Major Signal Projects

January 22, 2026



Engineering & Public Works Department,
Traffic Division

Palm Beach County Engineering & Public Works Department

Road and Bridge

Traffic

Roadway Production

Survey

Land Development

Construction Coordination

Streetscape



Palm Beach County Engineering & Public Works Department - Traffic Division



Designing, installing and maintaining

- Signalization of more than 1,300 traffic signal devices and over 70 coordinated signal systems
- Pavement markings
- Signing

Intelligent Transportation System

- Real time control and monitoring of 850 traffic signals, over 250 CCTV installations and other ITS devices connected over 500 miles of fiber-optic communications network.



Traffic Analysis and Performance Standards

- Major road construction projects
- Land development
- Site planning
- Transportation planning
- Street lighting
- Traffic accident records

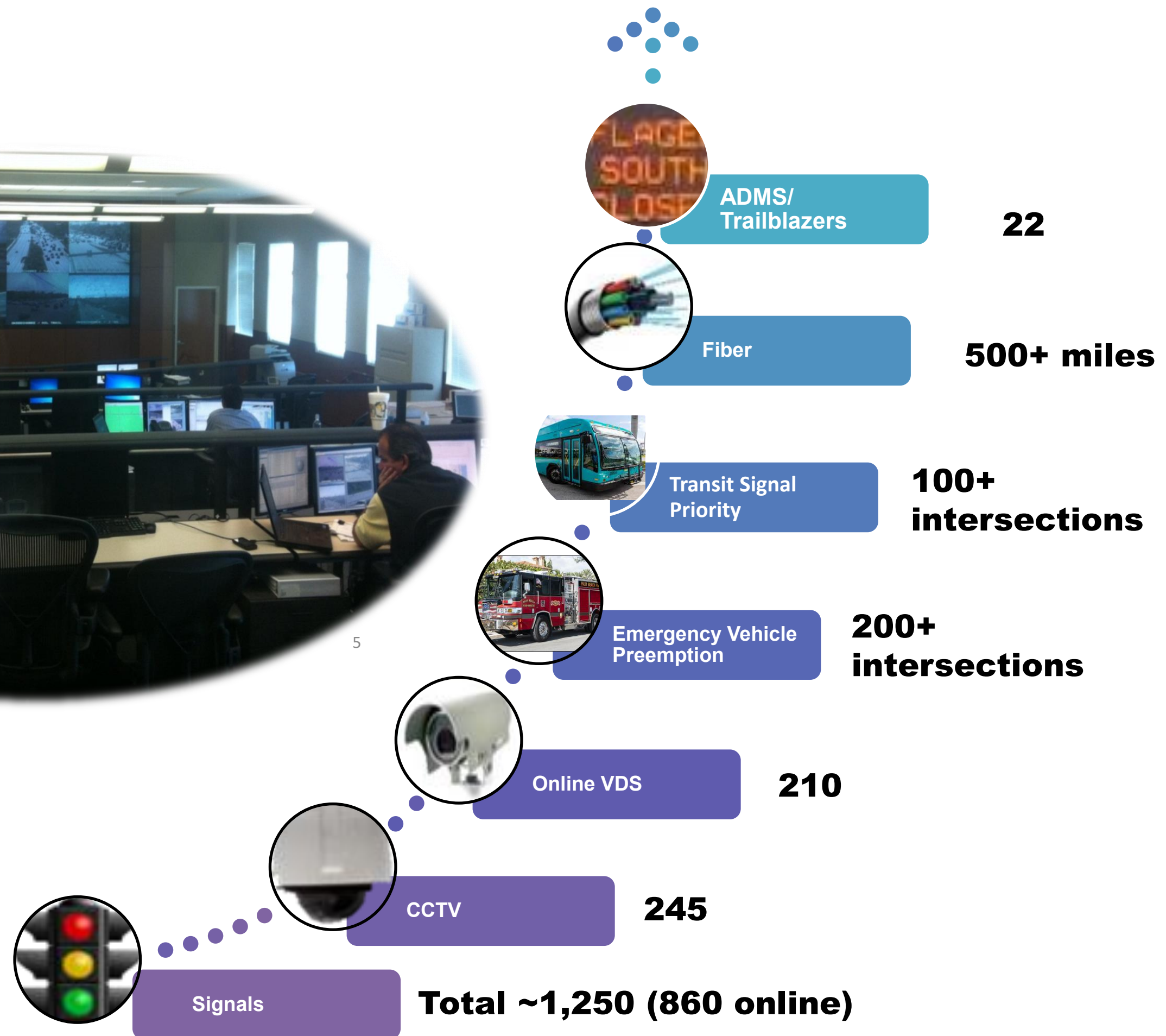
- Roadside Vendor Program
- Traffic Calming Program
- Annual Pathway Program



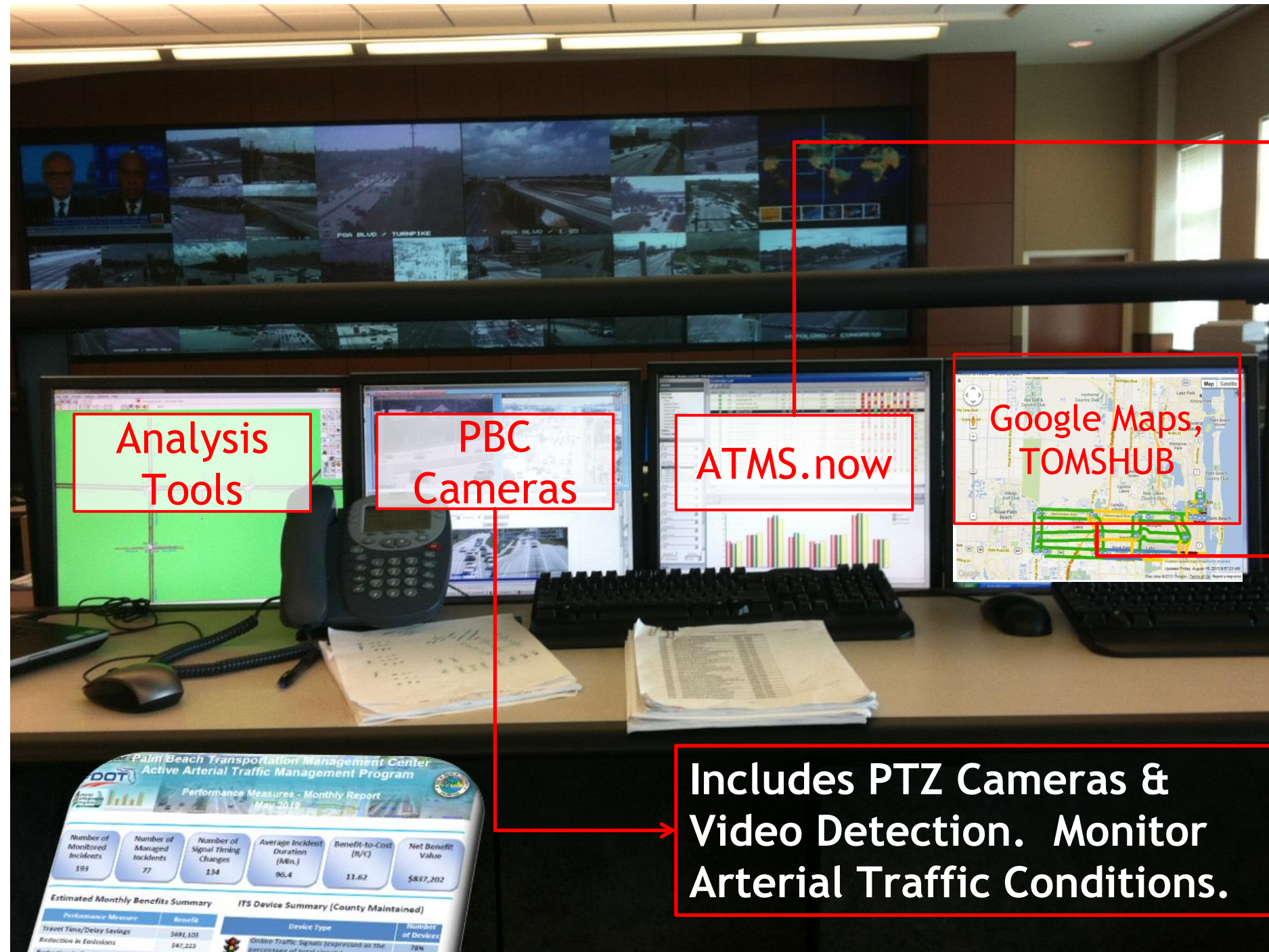


Palm Beach County Traffic Signal & ITS Systems Traffic Management Center (TMC)

Signal System and ITS Devices



TSM&O - Active Arterial Management (AAM)

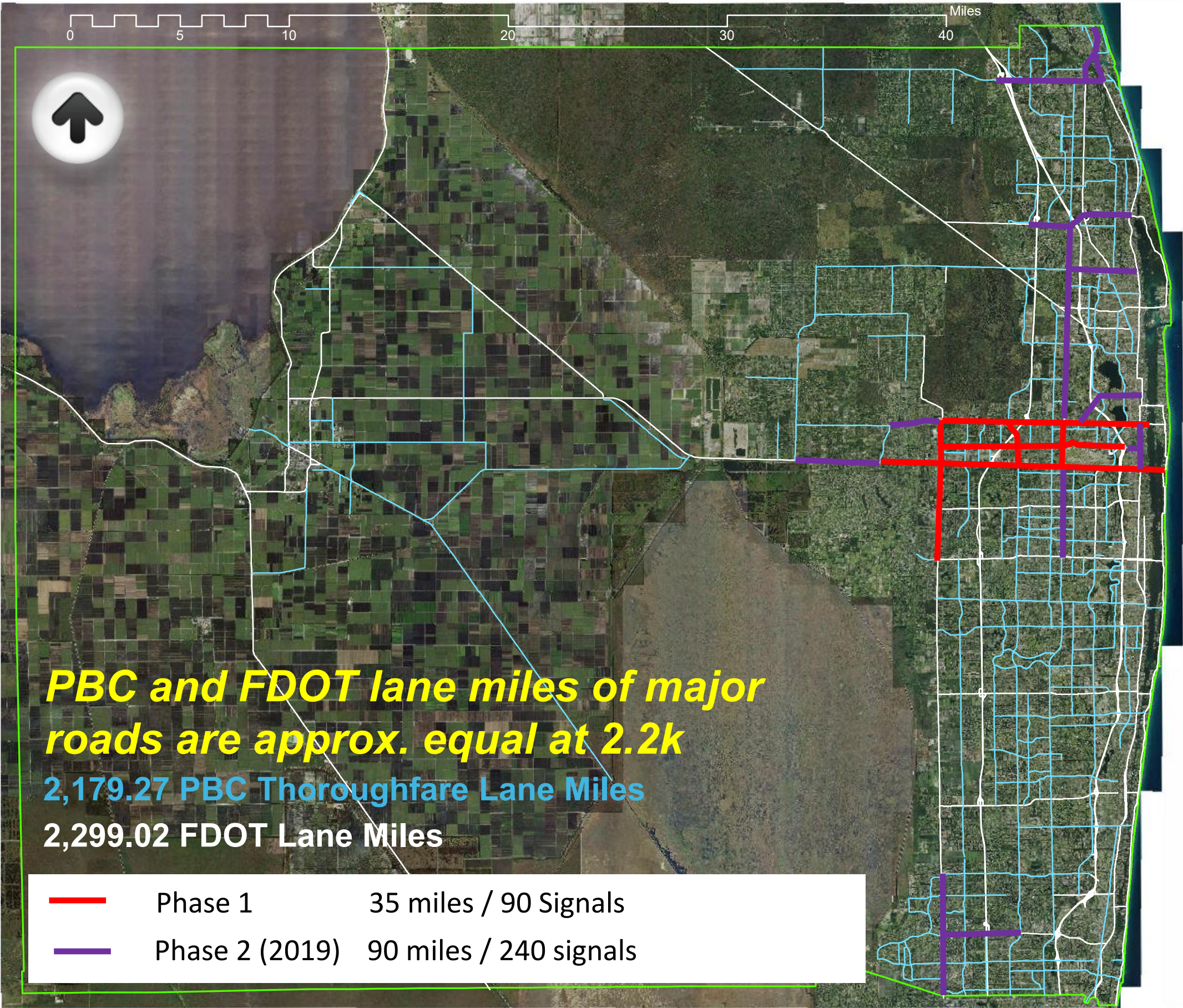


Monitor and adjust signal timing in real-time

- Travel-Time and speed Data
- Real Time Status of arterials



Palm Beach County/FDOT AMP Network



Flashing Yellow Arrow Signals for Left Turn

→ Trial phase at 8 intersections along Congress Ave in Boynton Beach – Completed in 2019

→ Installed at total 54 intersections up to date

→ 114 more intersections planned - funded by federal/state grants

What is Flashing Yellow Arrow?

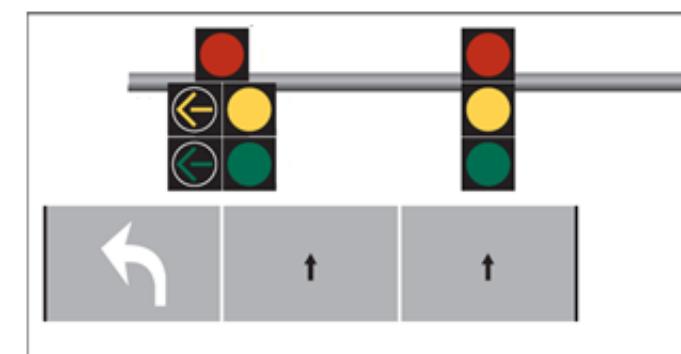
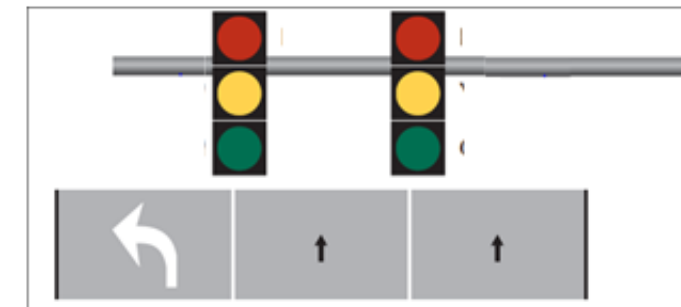
A new traffic signal that means you can turn left if there is a safe gap in traffic



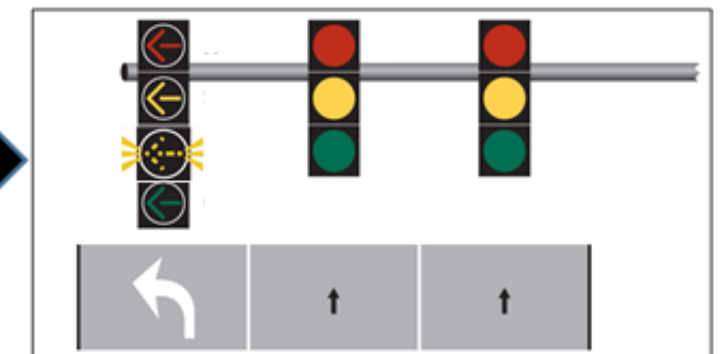
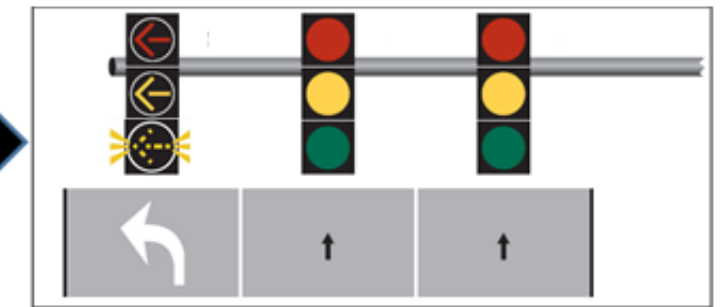
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Signal Display: Current vs. New

Current



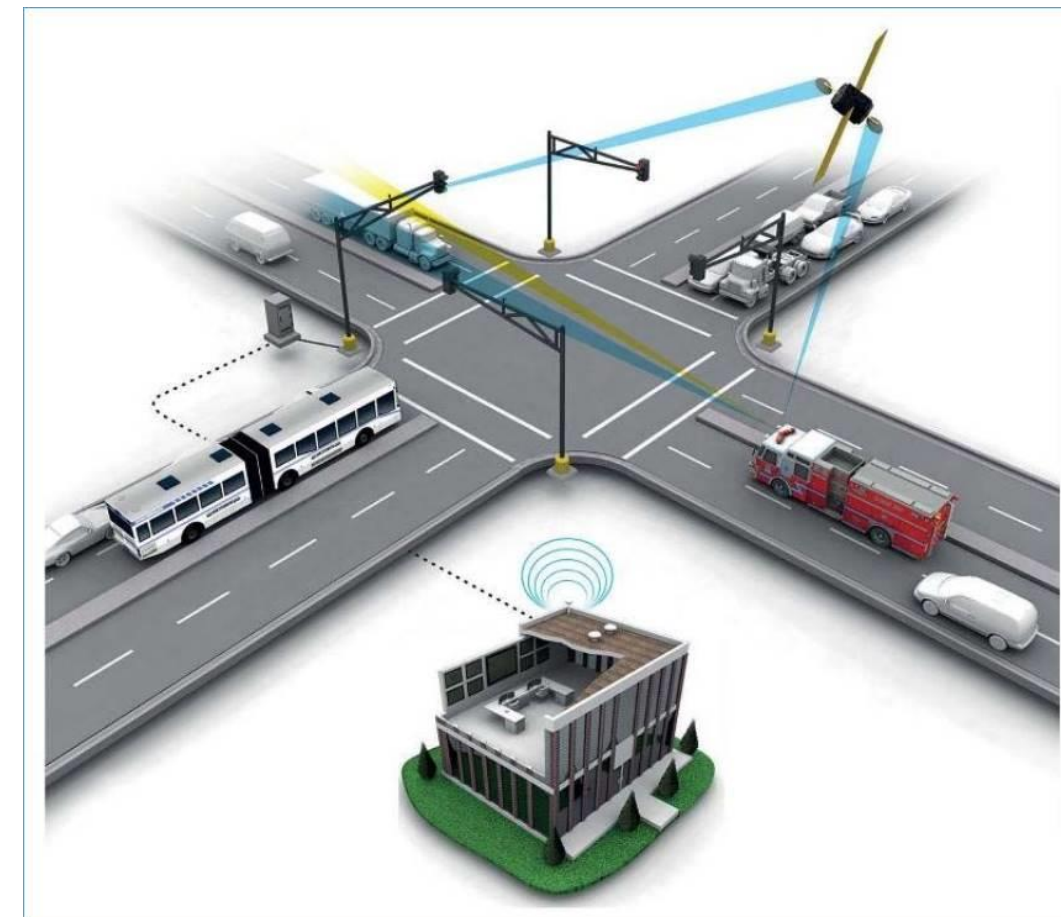
New





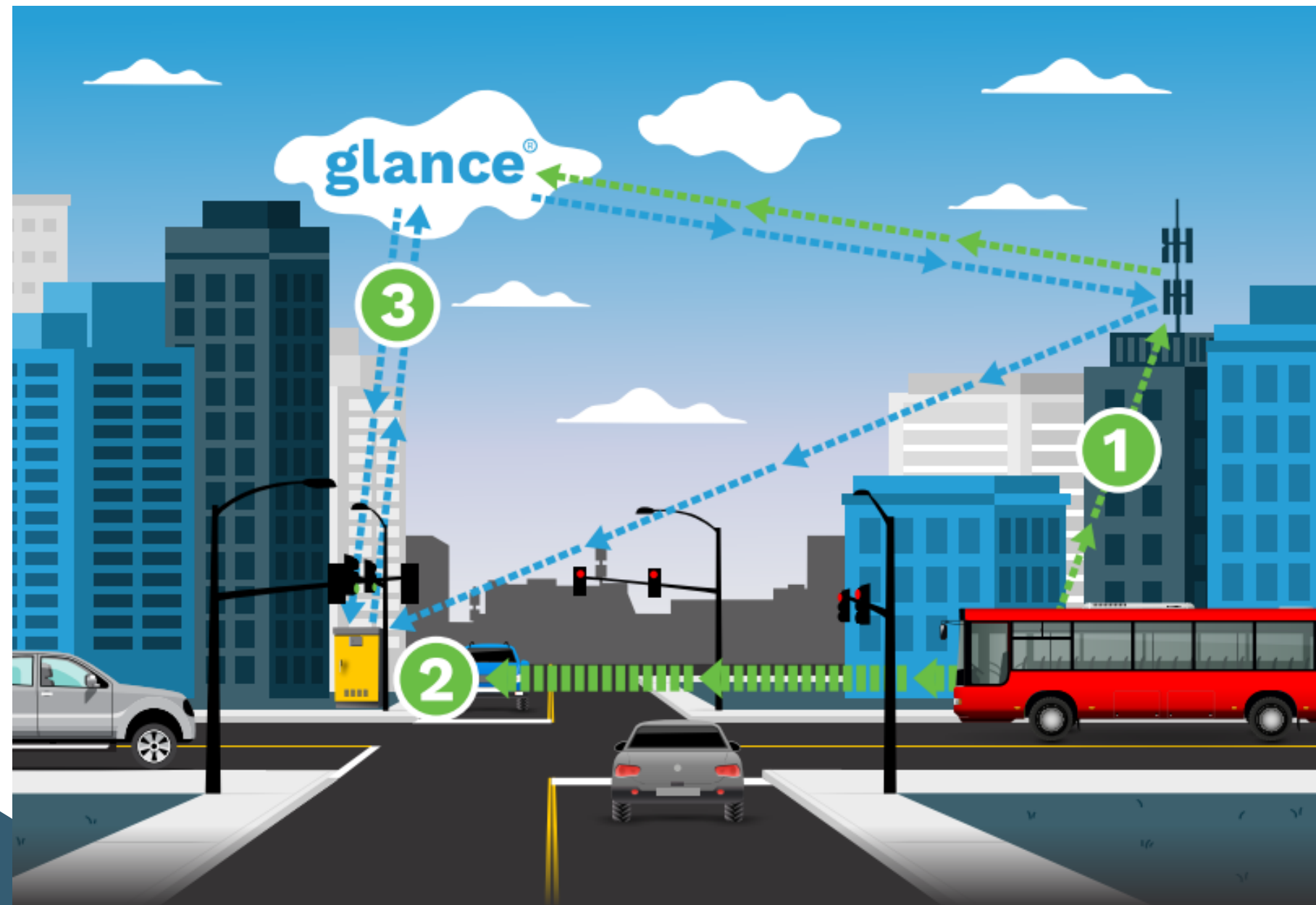
Transit Signal Priority (TSP)/Emergency Vehicle Preemption (EVP)

- TSP (Palm Tran)/EVP (Fire-Rescue) funded through the MPO along US1 from Broward County Line to PGA Blvd for \$2 million
- TSP deployment almost completed on US 1
- TSP to be deployed next on Okeechobee Blvd., Lake Worth Rd, and SR7
- EVP Countywide, so far deployed at more than 200 intersection with another 200+ in progress
- One System that does both TSP/EVP



Transit Signal Priority (TSP)

Transit Signal Priority System: Giving Public Buses Green Lights



1. Notify

The moment a route starts, the in-vehicle unit uses a cellular signal to alert Glance of the emergency call.

2. Preempt

Glance processes the route and communicates wirelessly with the traffic cabinet to clear traffic ahead of the vehicles arrival.

3. Adapt

Glance monitors route progress in real time and dynamically adapts preemption requests as the situation changes.



Priority vs Preemption

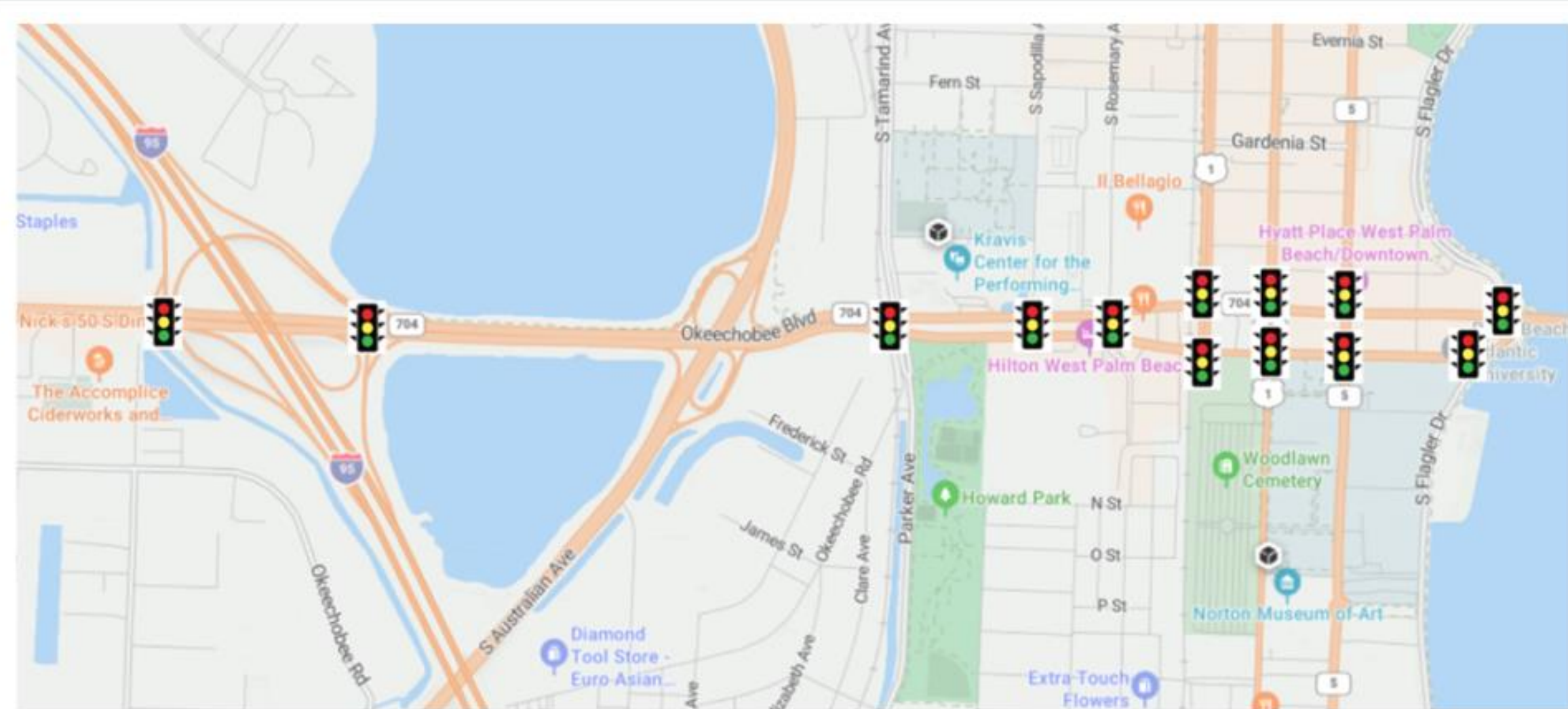
	Transit Priority	Fire Rescue Preemption
Extends green lights	✓	
Interrupts signal timing		✓
Corridor application	✓	
County-wide application		✓
Cloud-based technology	✓	✓



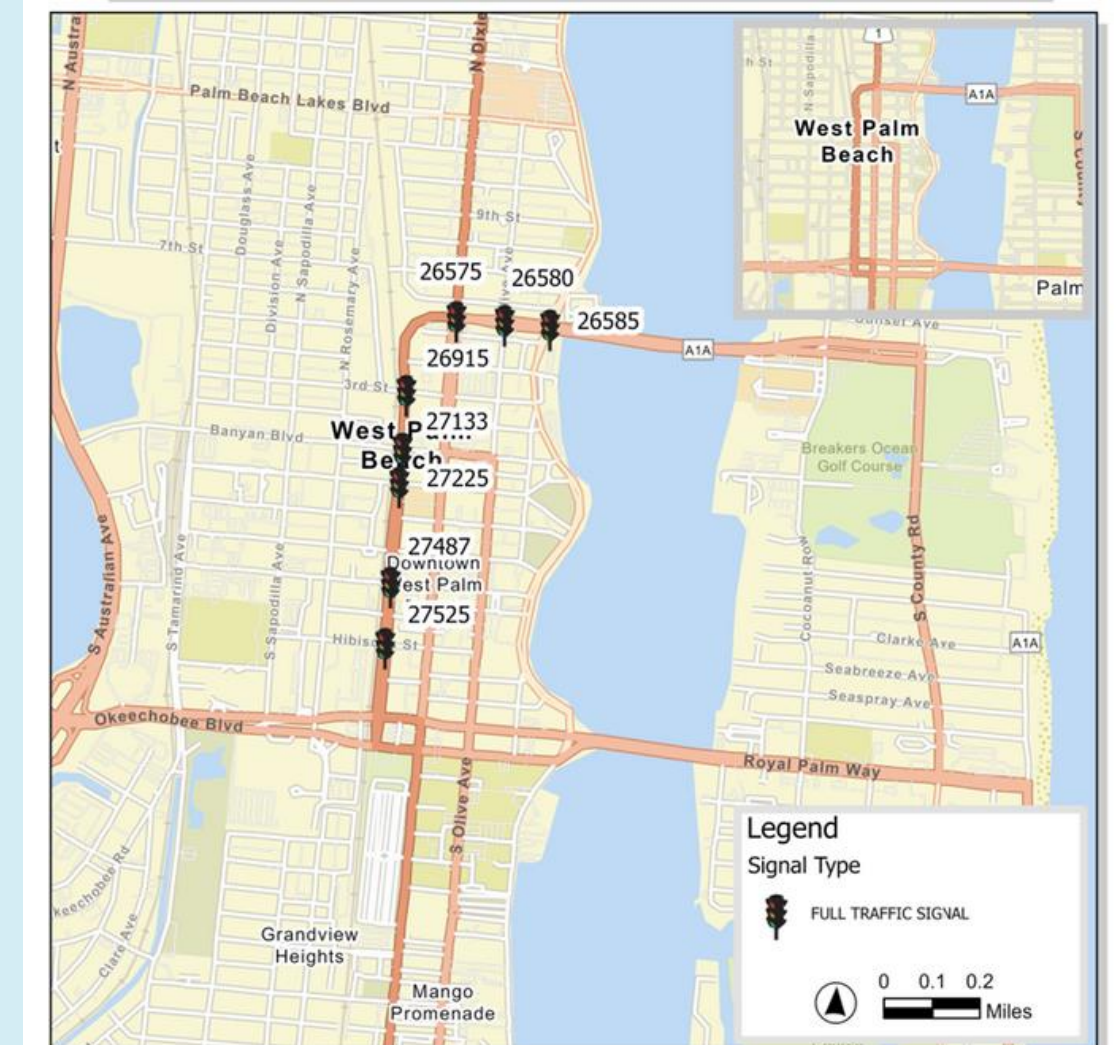
Signal System Improvements

Adaptive Traffic Control System (ATCS) and Associated Traffic Signal and ITS equipment Upgrades in downtown West Palm Beach

Phase I - Okeechobee Blvd from I95 to Flagler Dr



Phase 2 - Quadrille Blvd from Okeechobee Blvd to Flagler Dr



Thank you!



Engineering & Public Works Department,
Traffic Division

CONTACT US

Traffic Division

2300 North Jog Road, 3rd Floor
West Palm Beach, FL 33411

To report a traffic problem, you can contact the
Traffic Division by email or phone as follows:

Damaged or Malfunctioning Traffic Signal or Sign

Email: ENG-FixTrafficSignal@pbc.gov
Phone: [561-683-6885](tel:561-683-6885)

Traffic Signal Timing Concerns or Questions

Email: ENG-Timing@pbc.gov
Phone: [561-684-4030](tel:561-684-4030)

Street Light Repairs or Requests

Email: ENG-Streetlighting@pbc.gov
Phone: [561-684-4030](tel:561-684-4030)

Roadway Striping Concerns or Questions

Email: ENG-TrafficStriping@pbc.gov
Phone: [561-684-4030](tel:561-684-4030)

To Request an Inspection

Email: ENG-Traff-Inspection@pbc.gov
Please read the [minimum required information](#)
needed before submitting your request.

All Other Traffic Concerns

Email: ENG-TrafficDivision@pbc.gov
Phone: [561-684-4030](tel:561-684-4030)