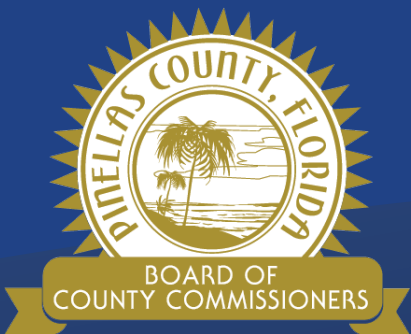
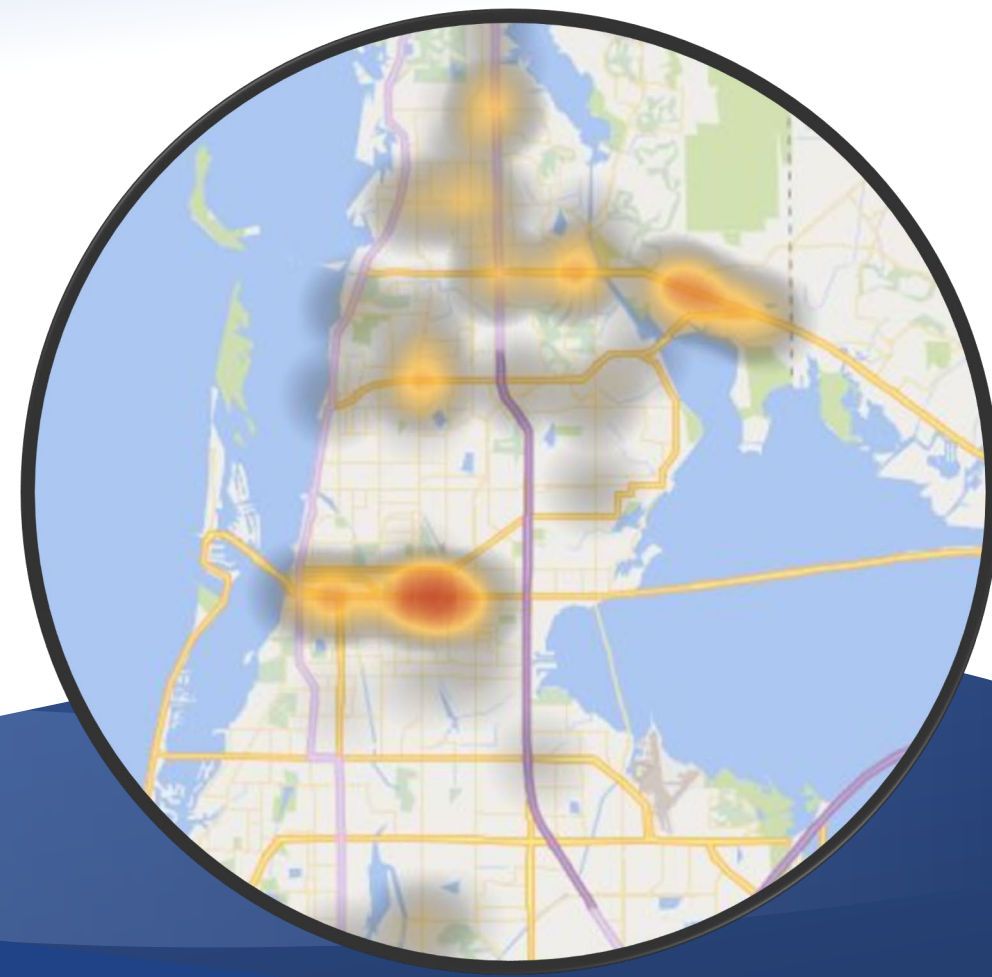


Pinellas County's IVA (Intersection Video Analytics) Program – **Where are we now?**



Pinellas County Public Works
Deneta Jones, Section Manager TMC



IVA Locations

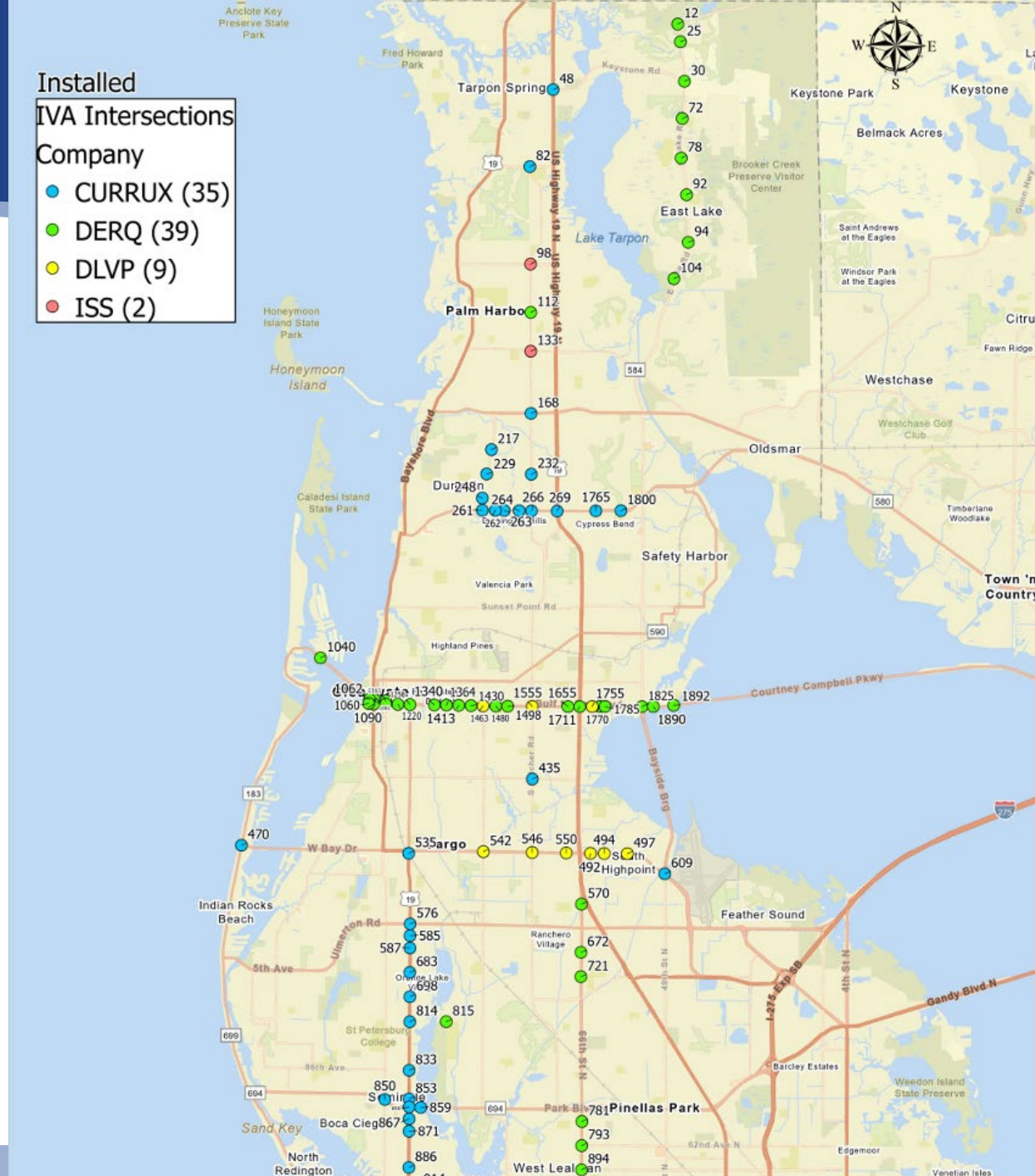


There are currently 92 IVA Locations

- 66th Street
- Seminole Blvd
- East Lake Blvd
- SR 580
- Pasadena Ave/Gulf Blvd
- SR 60 Corridor
- Belcher Rd
- CR 1



IVA Locations 3-3-26.pdf



IVA Priority List



- **Signal Re-Timing Corridors**
 - East Lake Blvd – 2026
 - S Pasadena/Gulf – 2025
 - SR 60 – 2023
 - SR 580 - 2025
- **Citizen Concerns**
 - Gulf Blvd at Causeway
 - Belcher Rd at Nebraska



IVA Program



IVA Operator will verify video/analytics daily. Intersection data will be pulled from the day prior.

REPORT DATE 06-08-26 DATA DATE 06-07-26	EVENTS	# of Events need a recommendation	Recommendations	PROCESS	VIDEO/FILE NAME
LOCATION					
CURRUX - 75th Ave N & Blind Pass Rd					
Lane Stopped (Stopped Vehicles)					
Near Miss	3				
Crosswalk Violations (Jaywalkers)	5				
Wrong Direction (Wrong Way)	1				
Pedestrian Detection Alert	1145				
Red Light Crossing Alert	139				
Video Corruption	8				

CURRUX - 75th Ave N & Blind Pass Rd	5/10	5/17	5/24	5/31
Lane Stopped (Stopped Vehicles)				
Near Miss		7	15	16
Crosswalk Violations (Jaywalkers)		10	11	6
Wrong Direction (Wrong Way)		2	5	1
Pedestrian Detection Alert		1754	4299	3652
Red Light Crossing Alert				328
Video Corruption	5	10	32	18

IVA Program – Safety Report

If a recommendation is warranted a safety form is filled out and routed to the appropriate section.

- **Signs – Route to Traffic Eng/Safety**
- **Striping – Route to Roads and Bridges**
- **Education – Route to PC School Liaison**
- **Bike Lane/Sharrows – Route to Traffic Eng/Safety**
- **Police Enforcement – Route to Local law enforcement**
- **Other – Route to other sections such as Signal Timing, PSTA, Duke**



IVA REPORT

INTERSECTION VIDEO ANALYTICS – ROUTING SHEET

DATE: 06-02-26

Location: Gulf Blvd & Causeway Blvd

Video Checked Date: April 29, 2026 to May 8, 2026 & May 8, 2026, to May 22, 2026

Routed to: Jeff Thompson P.E., Traffic Operations Engineer

Prepared by: Rae Stillwell

Date Closed:

SYSTEM

ANALYTIC

☐ DERQ (33 Locations)

☒ CURRUX (37 Locations)

☐ DLVP (9 Locations)

☐ ISS (2 Locations)

☐ ROADSYS

☐ Intersection Crossing (Jaywalkers, Crosswalk Violations, Red Light Crossing Alert)

☐ Stopped Vehicles (Lane Stopped)

☐ Lane Crossing (Lane Compliance Violation)

☐ Near Miss (Near Miss Vehicle to Vehicle, Near Miss Vehicle to Ped)

☒ Wrong Direction (Wrong Way Driver)

IVA Program – Safety Report



Comments:

Skip line markings were added to the southbound left-turn lanes to enhance lane discipline and reduce drift. The westbound left turn lane stop bars were moved back 10'. Data and video were analyzed from April 29, 2026, to May 8, 2026. 3 events were observed.

Data and video were analyzed again from May 8, 2026, to May 22, 2026. This date range had 1 event.

Live video was also viewed, and most vehicles are following the added skip lines and not drifting into opposing lanes.

*This location has limited data and video due to software restrictions within Currux.

Final Recommendations:

Video/File Name(s):



Gulf Blvd & Causeway Blvd – Before



Gulf Blvd & Causeway Blvd - After

IVA Program – Safety Report



The Traffic Engineer makes the final recommendation.

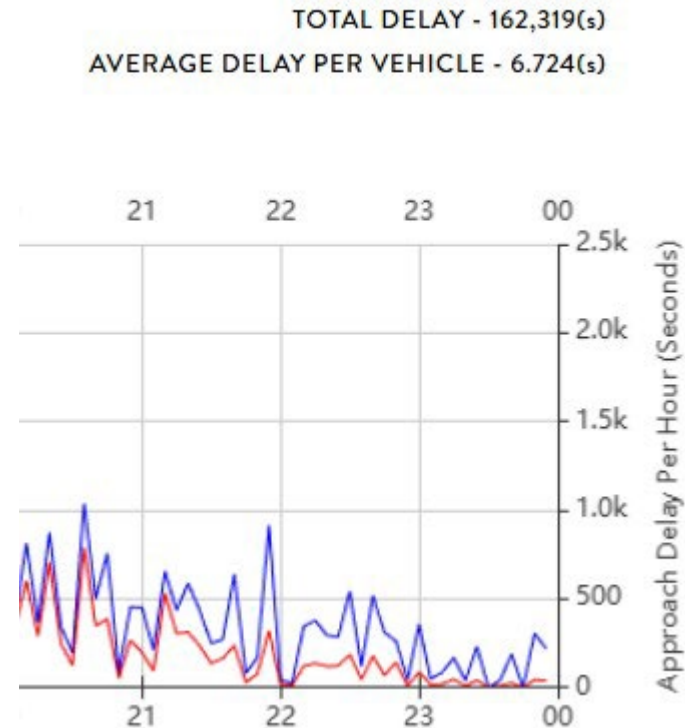
- IVA Operator will create WO's when applicable

IVA TIMELINE:

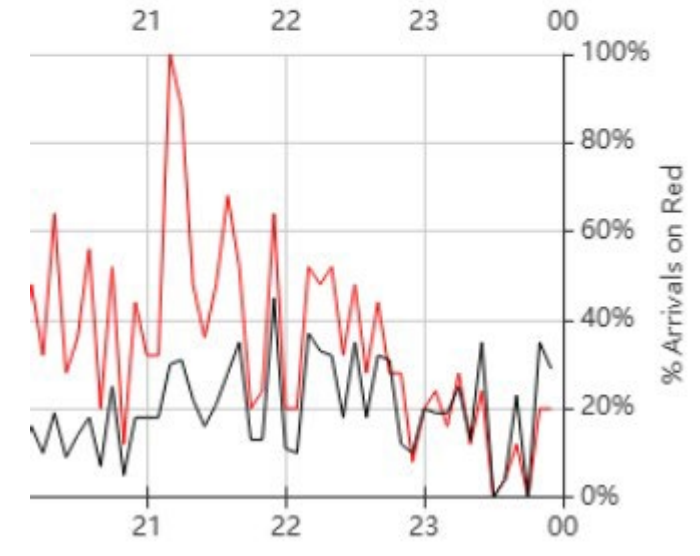
Description	Date	Routing	Comments
IVA Start Date	06-01-26		Analyze location video analytics & report data
Prepare IVA report	06-04-26		To Deneta Jones for review
Route to TE			To Jeff Thompson for final recommendations

IVA Program Metrics

- Safety Score – 75 or below
- SPM –
 - > 80% Arrival on Green during coordinated periods
 - < 15% Arrival on Red during coordinated periods
 - < 20% sec/veh average delay



TOTAL # ARRIVALS ON RED - 2,673
TOTAL % ARRIVALS ON RED - 11.07%



System Validation

1. Centrac's Mobilty

- SPaT (Signal Timing and Phasing) High Resolution data from the Controller
- In Progress

2. Flow Labs

- Probe Data
- In Progress

AM PEAK HOUR 07:45 AM - 08:44 AM		MID-DAY PEAK HOUR 02:45 PM - 03:44 PM		PM PEAK HOUR 04:45 PM - 05:44 PM	
		NB			
Time Interval	LT	TH	RT	App. Total	
Peak Hour Analysis From 07:45 AM - 08:44 AM					
07:45 AM - 07:59 AM	1	423	20	444	
08:00 AM - 08:14 AM	5	389	19	413	
08:15 AM - 08:29 AM	3	394	20	417	
08:30 AM - 08:44 AM	12	393	23	428	
Total Volume	21	1599	82	1702	
% App. Total	1.23%	93.95%	4.82%		
% Heavy Vehicle	0.00%	2.88%	2.44%	2.82%	
PHF	0.438	0.945	0.891	0.958	

IVA Example – Belcher Rd at Nebraska

BELCHER RD at NEBRASKA AVE - IVA LANE COMPLIANCE VIOLATION COMPARISON for FYA

Total Lane Compliance Violations Before - 515					
Total Lane Compliance Violations After - 373					
FYA BEFORE				FYA AFTER	
6:00 am to 8:00 pm	OFF			6:30 to 9:00	OFF
8:00 pm to 6:00 am	ON			9:00 to 14:30	ON
				14:30 pm to 19:00	OFF
				19:00 to Next Day	ON



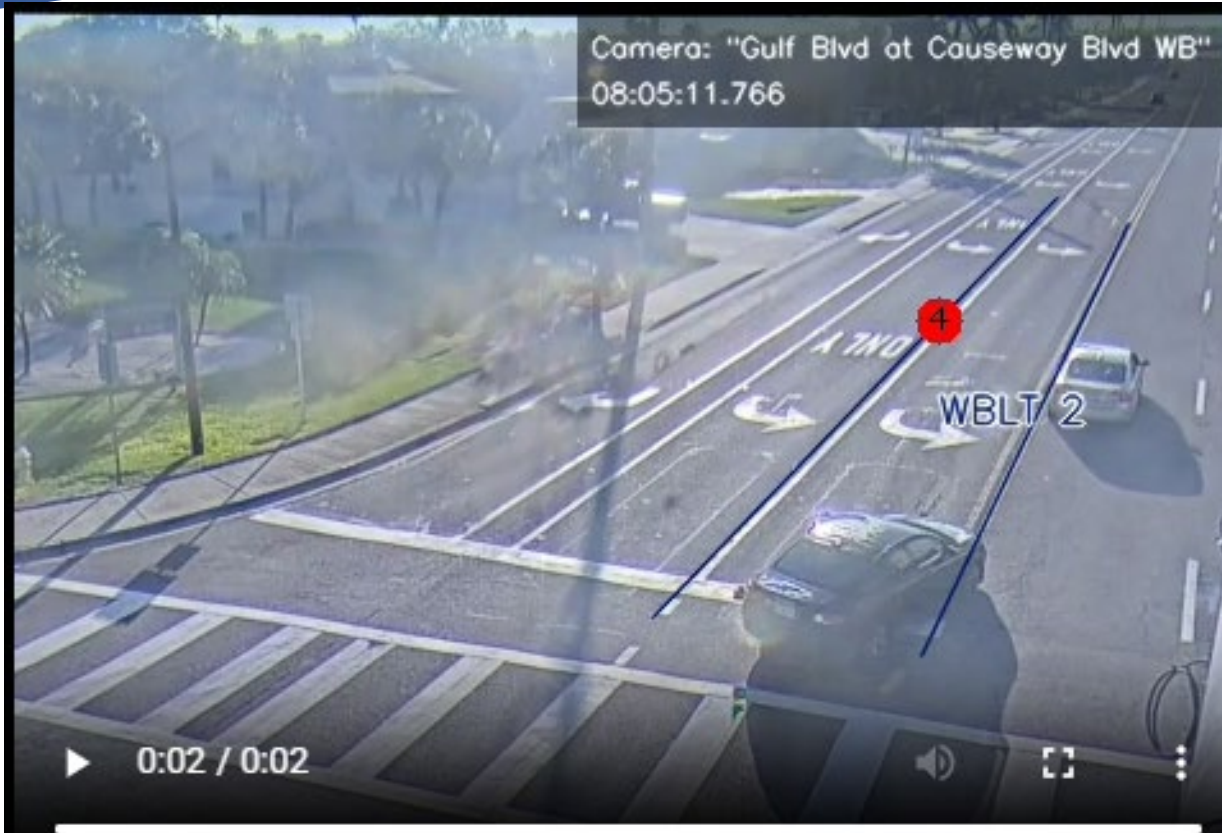
Recent Success:

IVA were used to analyze and retime the intervals when FYA operations occurred at the intersection of Belcher Road and Nebraska Avenue, resulting in the following outcomes:

27.57% Reduction in Lane Compliance Violations

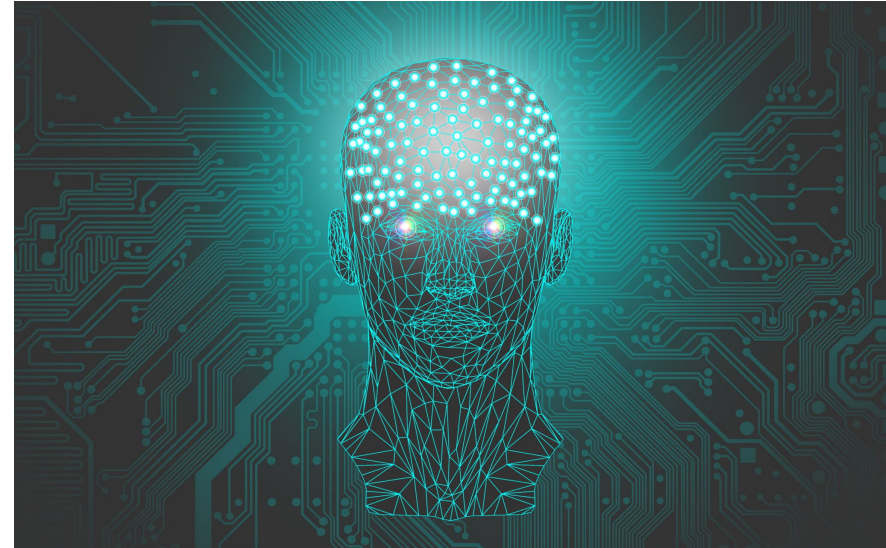
64.12% Reduction in Near-Miss Left Turns

IVA Example – Gulf Blvd at Causeway





Newfound Insights



AI Technology

Pre and Post Studies



Questions?

dejones@pinellas.gov

