

# Miami Dade Traffic Incident Management Team Palmetto Corridor Meeting

**FDOT District Six**

**August 14, 2024**

**Traffic Impacts**

**National TIM Responder Training**

**Construction Updates**

**Wrong Way Detection System**

**Incident Management Stats**

**Rapid Incident Scene Clearance (RISC)**





## Back to School

- August 15, 2024 - Miami-Dade County Public Schools classes start
- School zone speed limits enforced
- More traffic during peak periods





## Election Season

- Potential for political events
- VIP motorcades
- Increase in traffic movement
- Potential for roadblocks
- Election day – November 5, 2024





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# Responder Training Program

## Details

-  In-Person Training
-  Field Responder Safety Course
-  FHWA Training Certificate
-  Register on SunGuide.info

## Upcoming Trainings

-  September 2024
-  December 2024
-  March 2025

### National TIM Responder Training Program Implementation Progress - As of July 1, 2024



#### Train-the-Trainer Sessions

- 603 sessions with 15,214 participants
- 23% of participants have provided training



#### In-Person Responder Training

- 23,008 sessions with 525,815 participants



#### Web-Based Training (WBT)

- 186,171 Total | 114,352 NHI | 16,321 Other
- 55,498 ERSI Responder Safety Learning Network



**Total Trained: 727,200**



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## SR 826/Palmetto Capacity Project

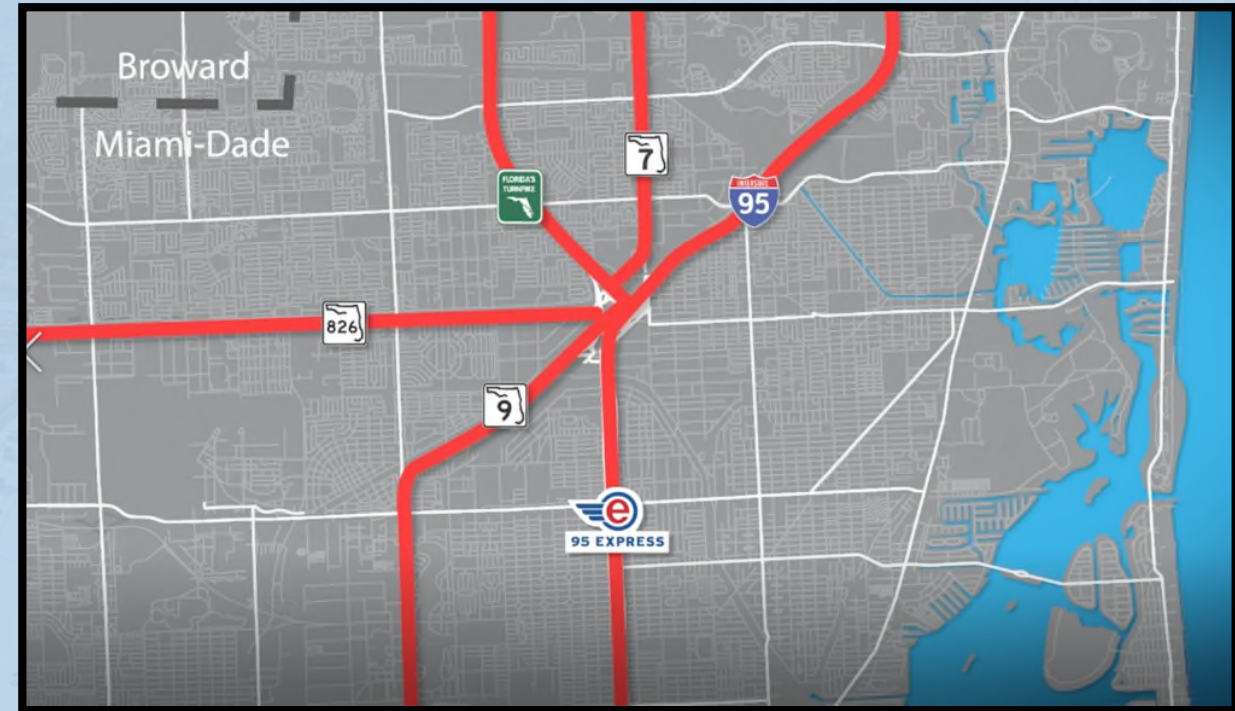
- Temporarily Converting One Southbound Express Lane at NW 103 Street/W 49 Street to a General Purpose Lane
- Extending the auxiliary lane between Okeechobee Road and NW 74 Street
- Widening the southbound bridges over NW 74 Street, Metrorail and FEC Railway
- Widening the northbound bridge over NW 103 Street/W 49 Street





## Golden Glades Interchange Enhancement Project

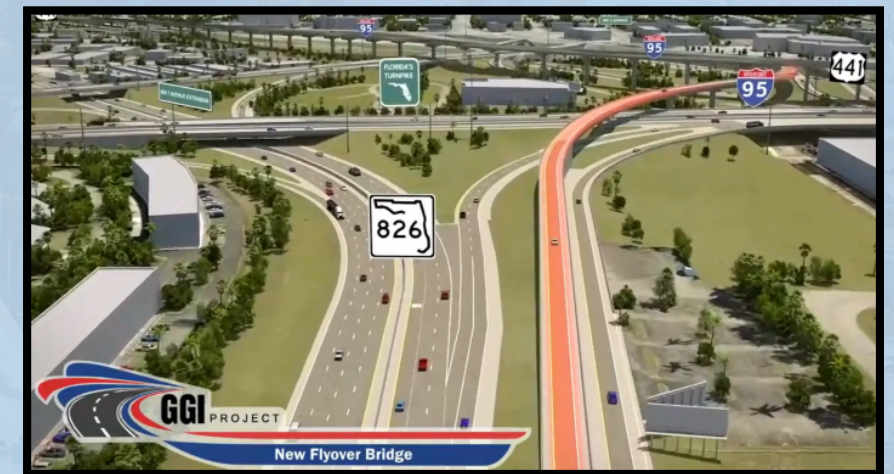
- Golden Glades Interchange (GGI) spans more than 10 miles of roadway and ramps
- Construction started on March 2024; the estimated completion is Fall 2031
- TMC providing increased Road Ranger support 24/7
  - 1 Flatbed Truck - Staged
  - 1 Tow Truck
    - I-95 - Ives Dairy Road to NW 125 Street
    - SR 826 - GGI to NW 27 Avenue





## GGI Enhancement Project SR 826 Details

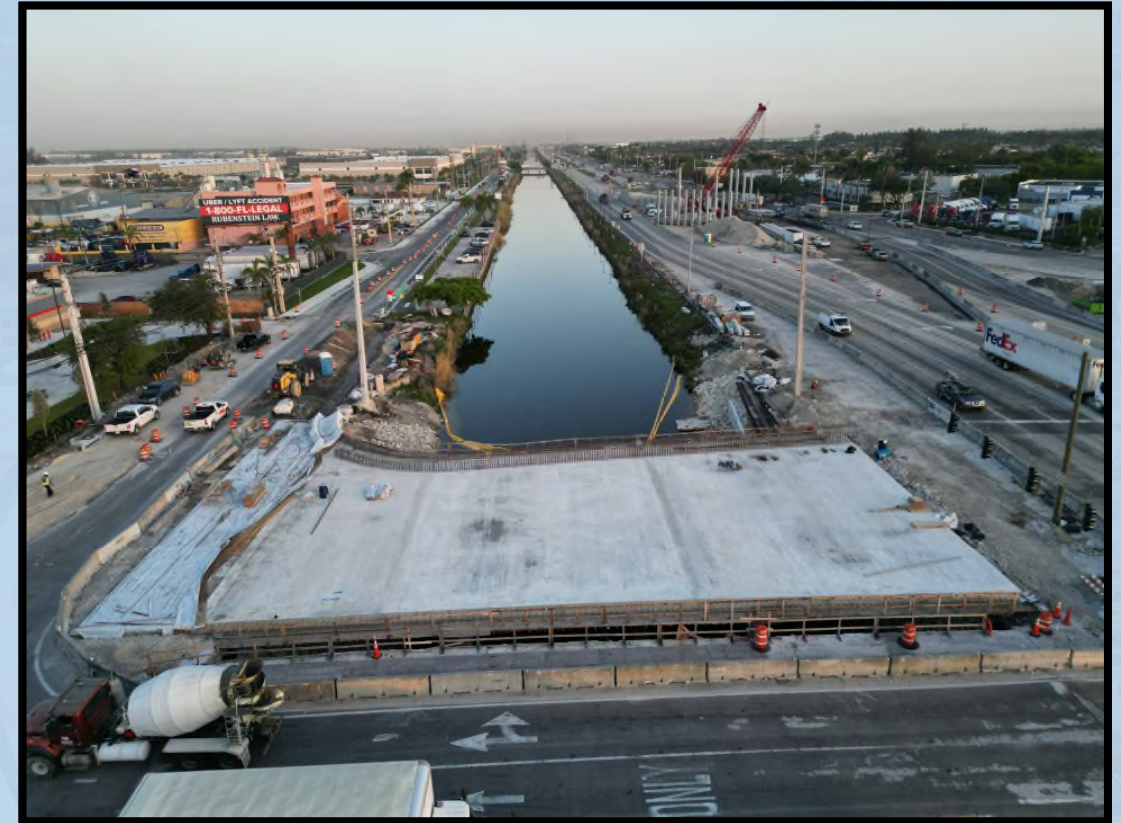
- Build new flyover ramp to connect eastbound Palmetto Expressway to northbound I-95
- Rebuild the westbound Palmetto Expressway bridge and entrance ramp from Florida's Turnpike
- Relocate the entrance ramp from NW 12 Avenue to I-95
- Repaving and restriping





## Okeechobee Road Reconstruction Project

- Improve safety and enhance mobility along this corridor
- Improve turning radius and extend turn lanes at all intersections
- Realign frontage roads and intersections
- Enhance safety by improving guardrails along the canal and medians
- Upgrade pavement markings, lighting, and signalization





# Construction Updates

- FDOT District Six
- Florida's Turnpike
- Estimated Completion Fall 2032

## SEGMENT 1

## TURNPIKE

## SEGMENT 2

## SEGMENT 3

## SEGMENT 4

Okeechobee Rd

**FM No: 423251-2**

SR 25/US 27/Okeechobee Rd from Miami-Dade/Broward County Line to W of the SR 821/Florida's Turnpike

Est. Construction Cost: \$42.5 million

Start: February 2022

Est. Completion: summer 2024

**FM No: 435542-1**

SR 821/Florida's Turnpike from NW 106 St to I-75

**FM No: 435542-3**

SR 25/US 27/Okeechobee Rd from W of SR 821/Florida's Turnpike to W of NW 138 St

Start: March 2020

Est. Completion: fall 2025

Managed by Florida's Turnpike Enterprise (FTE)

**FM No: 443645-1**

SR 25/US 27/Okeechobee Rd from W of NW 138 St to E of NW 107 Ave

Start: March 2020

Est. Completion: fall 2025

Managed by FTE

**FM No: 423251-5**

SR 25/US 27/Okeechobee Rd from E of NW 107 Ave to E of NW 116 Way

Est. Construction Cost: \$105.6 million

Start: May 2022

Est. Completion: early 2026

**FM No: 423251-4**

SR 25/US 27/Okeechobee Rd from E of NW 116 Way to E of NW 87 Ave

Est. Construction Cost: \$233.6 million

Est. Start: early 2026

Est. Completion: early 2032

**FM No: 423251-3**

SR 25/US 27/Okeechobee Rd from E of NW 87 Ave to NW 79 Ave

Est. Construction Cost: \$36 million

Est. Start: late 2024

Est. Completion: fall 2028

**FM No: 436565-1**

SR 25/US 27/Okeechobee Rd at SR 826/ Palmetto Expressway Interchange

Est. Construction Cost: \$121 million

Est. Start: late 2024

Est. Completion: fall 2028

UNINCORPORATED  
MIAMI-DADE COUNTY

Krome Ave

27

NW 137 Ave

SEGMENT 1



TURNPIKE

NW 138 St

HIALEAH  
GARDENS

NW 87 Ave

NW 122 St

SEGMENT 2

SEGMENT 3

SEGMENT 4

MEDLEY

27

826

DORAL

NW 74 St



Dade/Broward County Line



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# Wrong Way Detection System

**Initial WWDS**

**Phase 1 Project Locations**

**Phase 2 Project Locations**

**Phase 3 Project Locations**

**Phase 4 Project Locations**

**Phase 5 Project Locations**

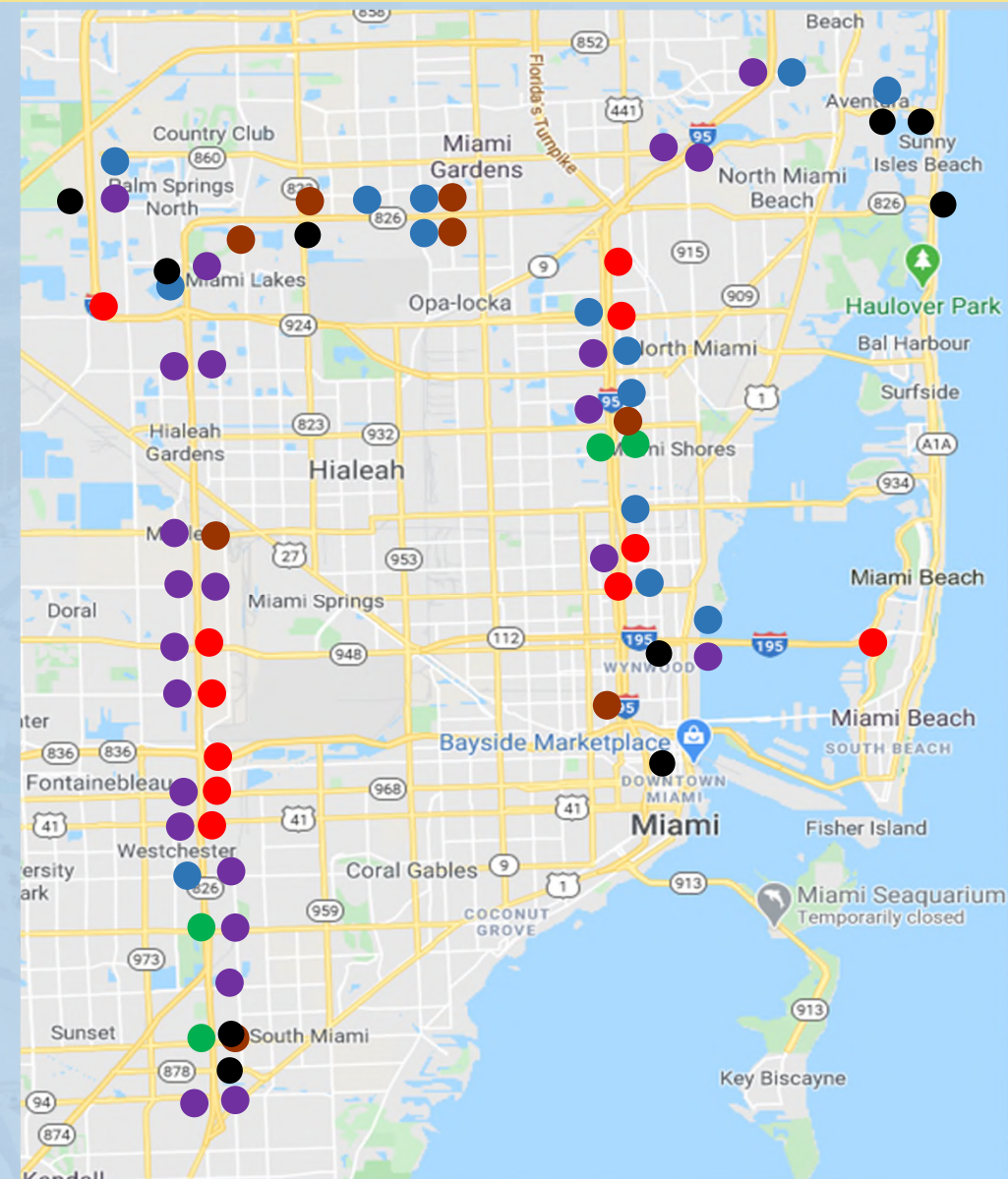
**74 WWDS**

**Other Projects 21 WWDS**

**TOTAL**

**95 WWDS**

- Complete
- Complete
- Construction
- 
- 
- 

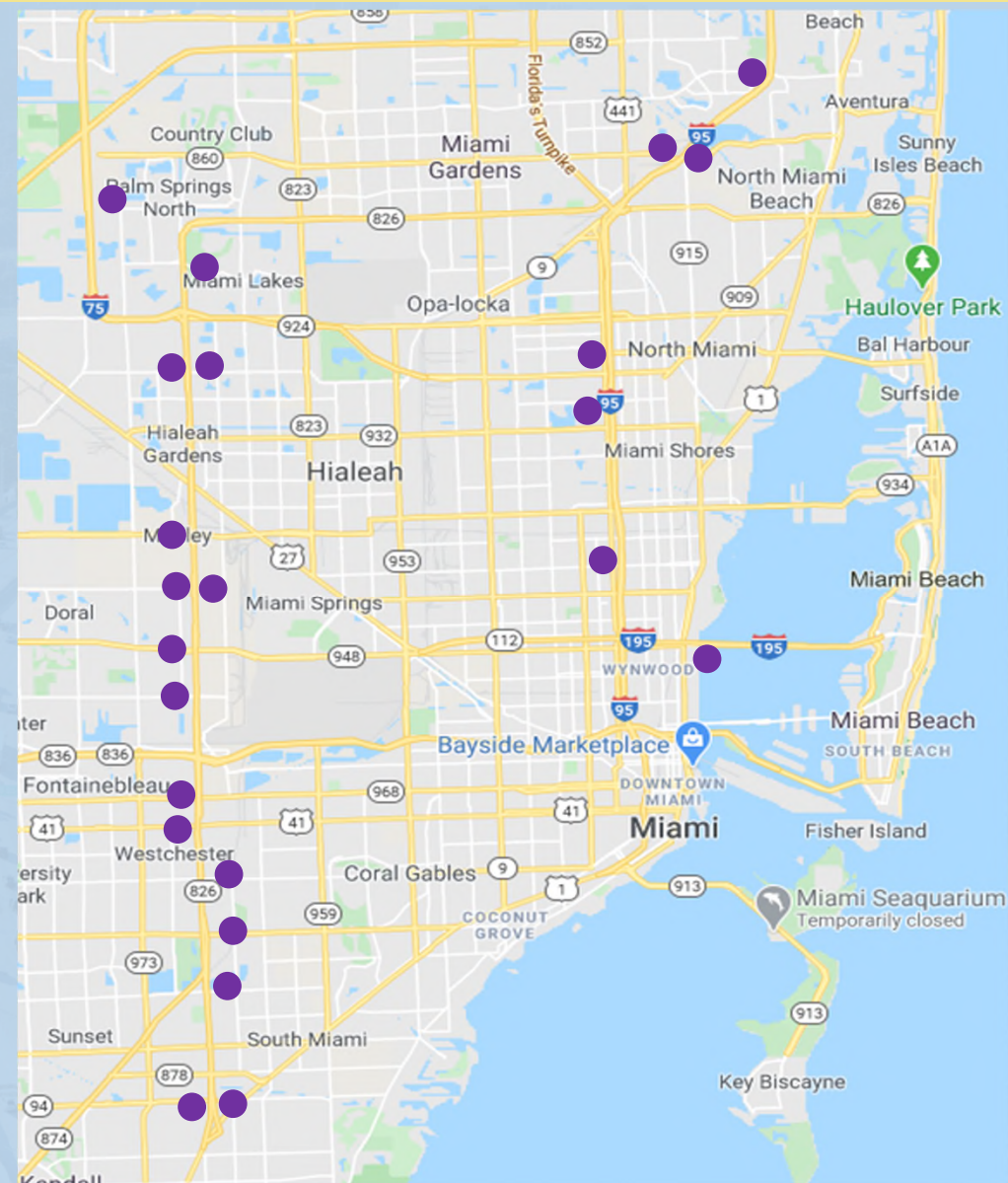




# Wrong Way Detection System

## Phase 2 Project

- 24 off-ramps across Miami-Dade County
- Notice to Proceed issued May 2024
- Estimated completion in early 2026





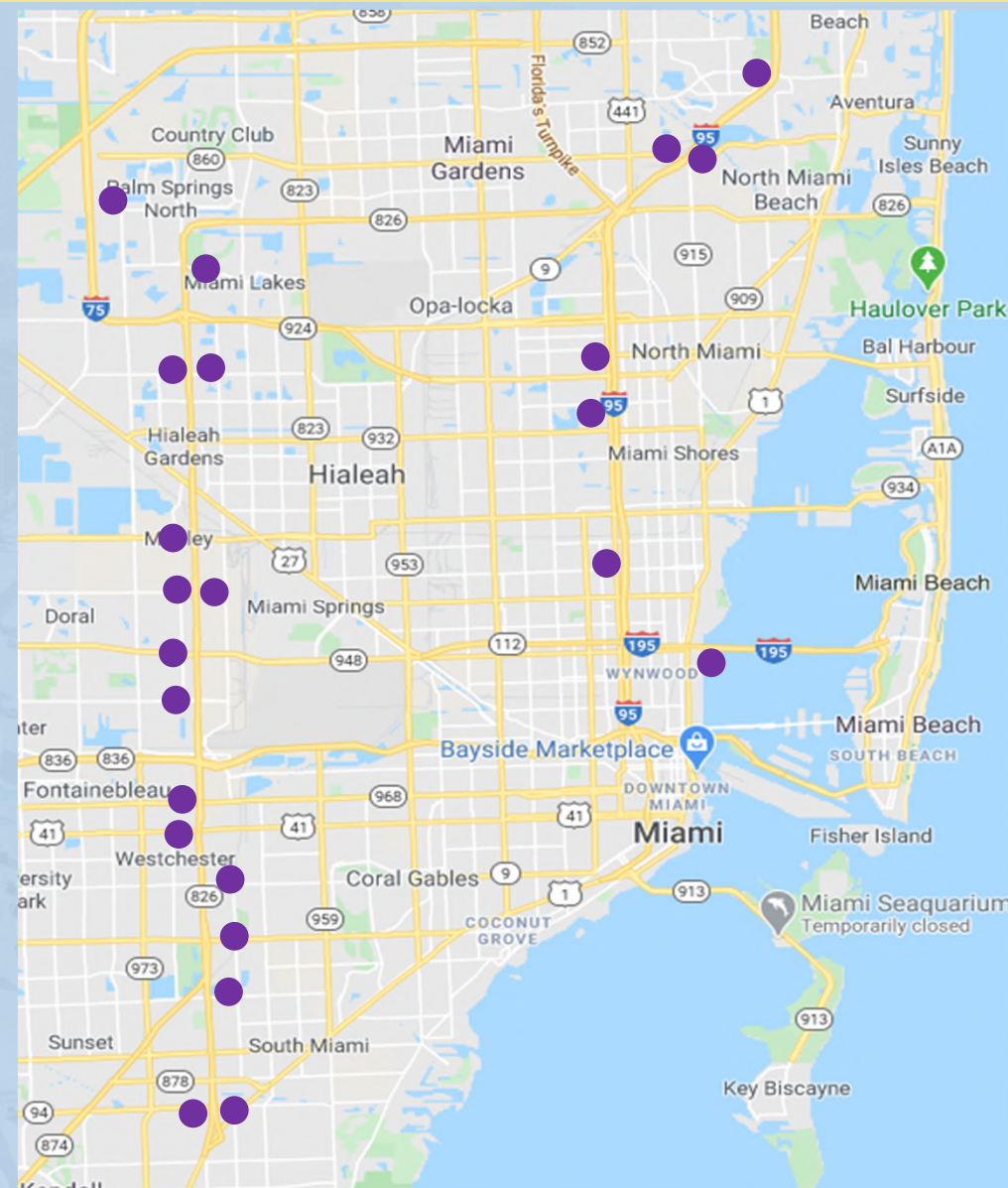
# Wrong Way Detection System

## Benefits

- Quick detection of wrong way drivers
- Notify motorists of a wrong way driver by utilizing Dynamic Message Signs
- TMC will notify Road Rangers and FHP

## Goals

- Prevent a vehicle from entering the highway
- Vehicle self-correction
- Early detection

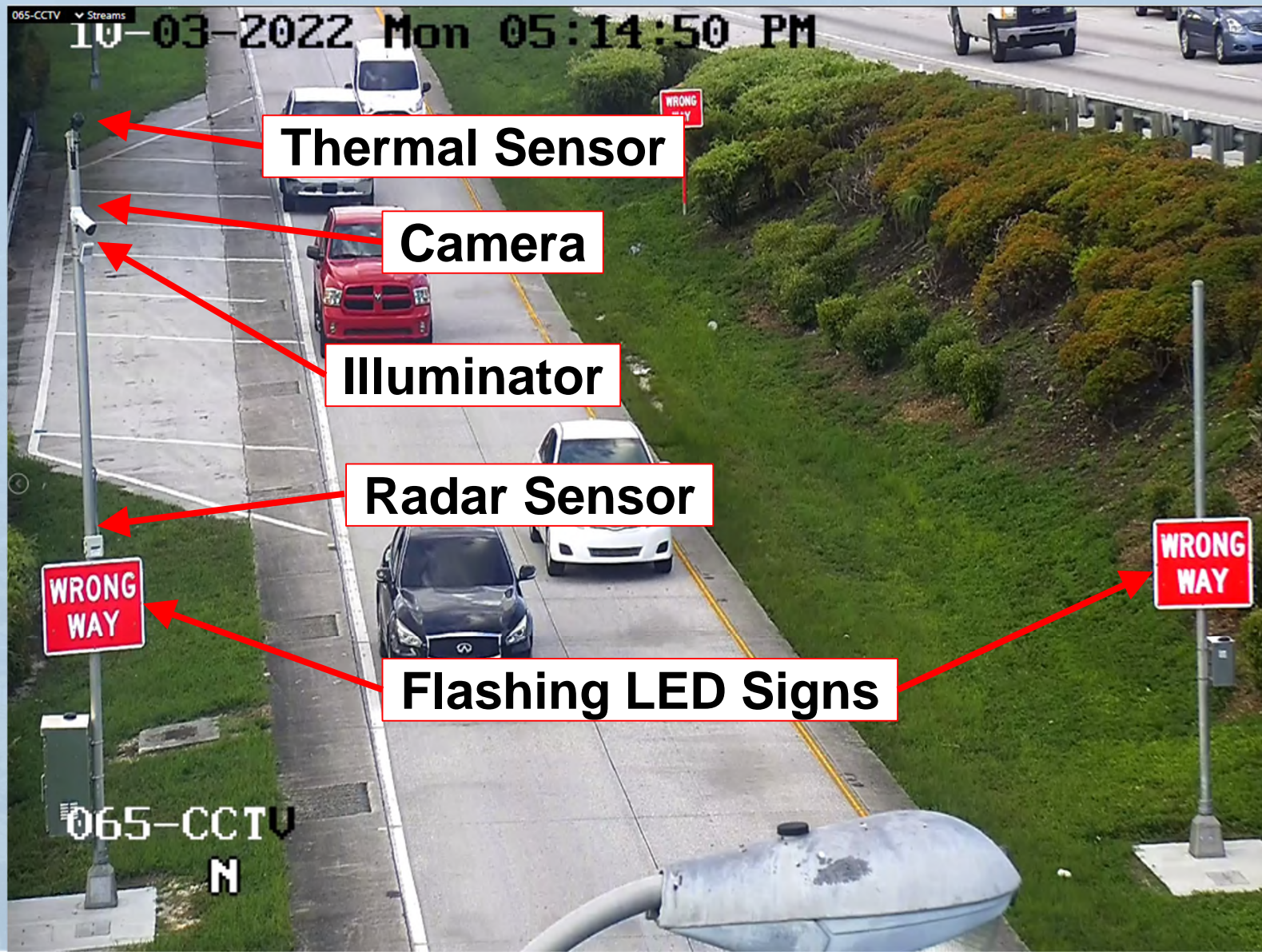




# Wrong Way Detection System

## TAPCO Components

- Thermal Sensors
- Cameras
- Illuminator
- Radar Sensors
- LED Flashing Lights

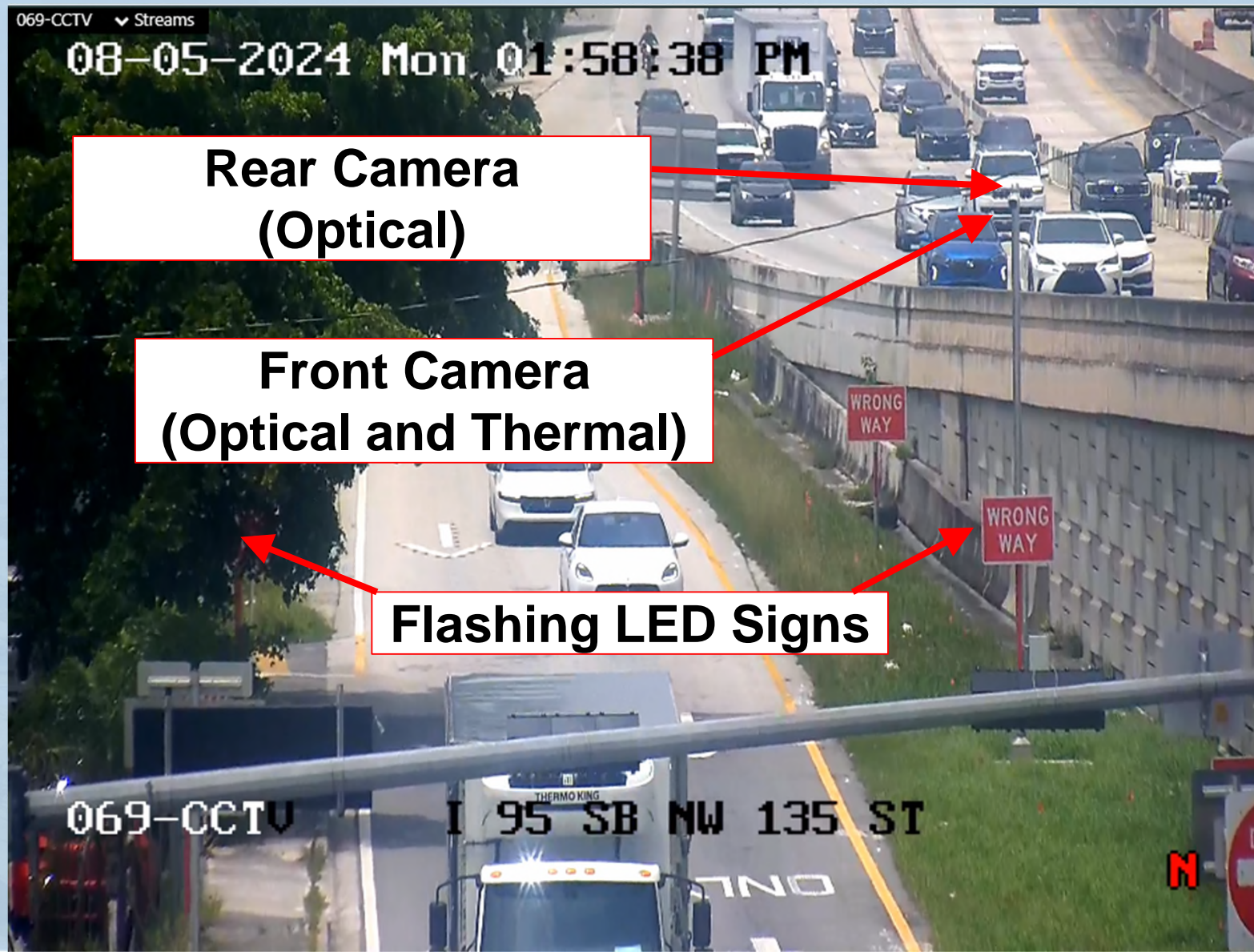




# Wrong Way Detection System

## GovComm Components

- Front Camera
  - Optical
  - Thermal
- Rear Camera
  - Optical
- Flashing LED Signs





07-20-2024 Sat 19:36:00

Bottom to top

Top to bottom

NW 25 ST  
WEST

MIA  
Cargo

NW 25 ST  
EAST

Optical



07-20-2024 Sat 19:36:03

Bottom to top

Top to bottom

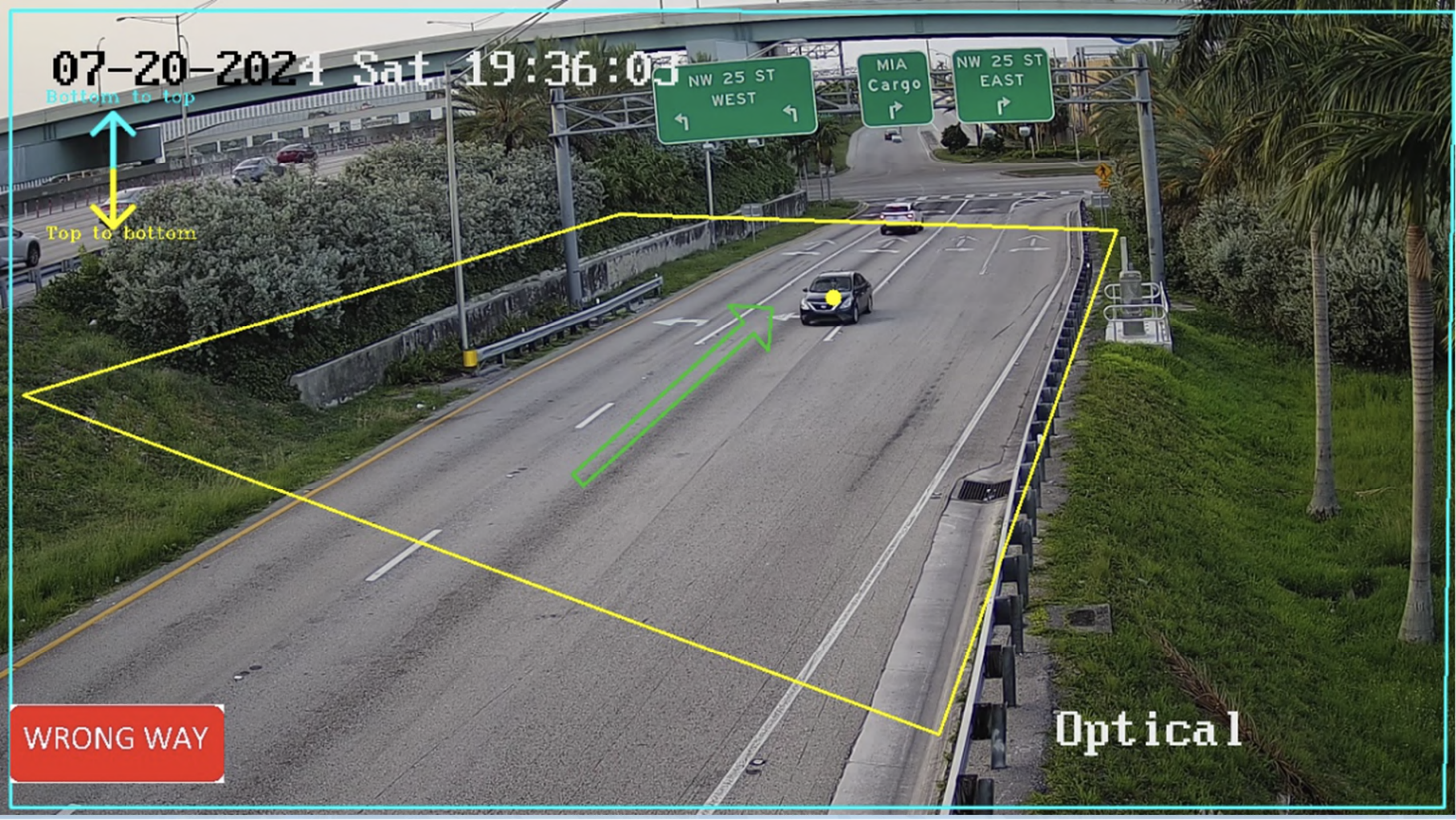
NW 25 ST  
WEST

MIA  
Cargo

NW 25 ST  
EAST

WRONG WAY

Optical





07-20-2024 Sat 19:36:07

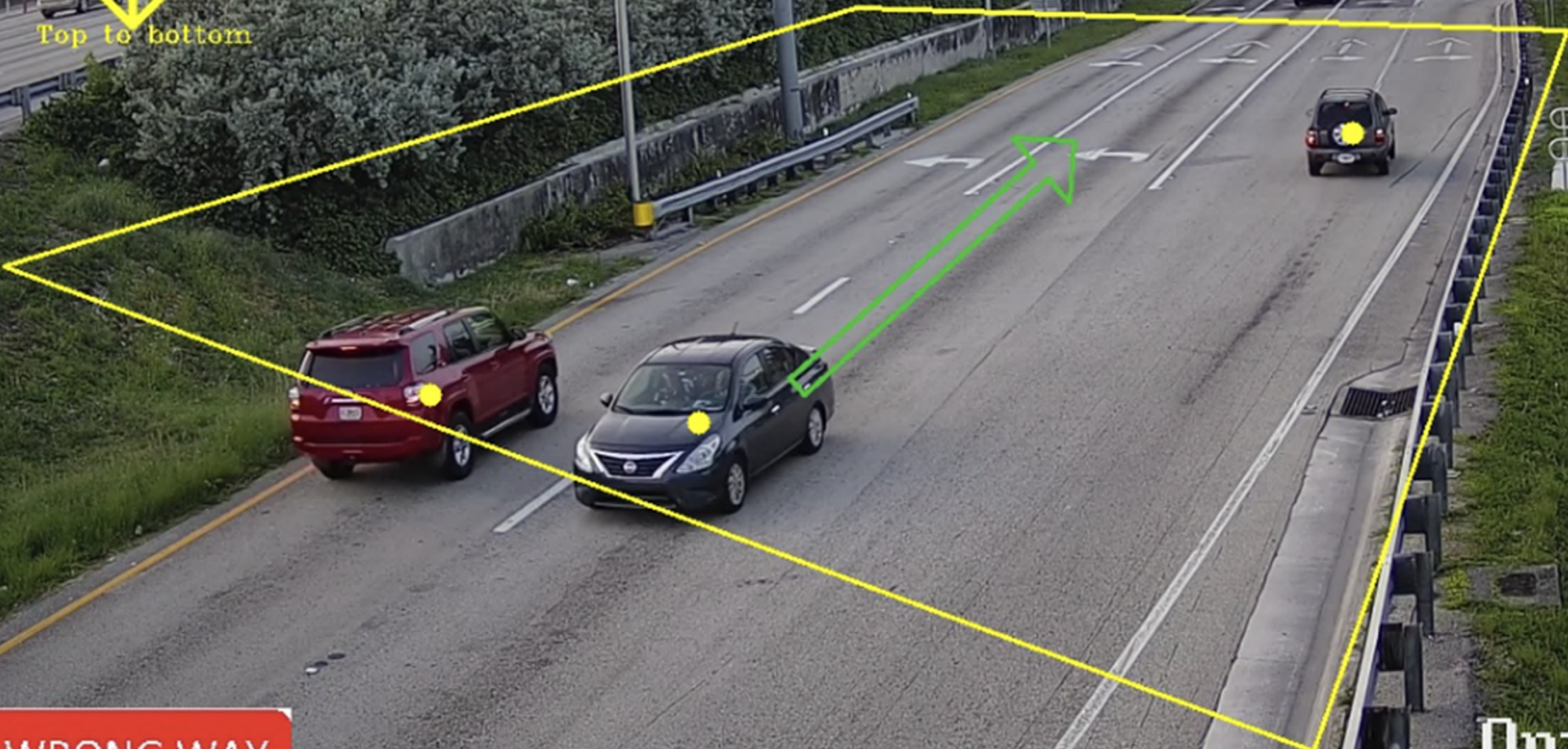
Bottom to top

Top to bottom

NW 25 ST  
WEST

MIA  
Cargo

NW 25 ST  
EAST



WRONG WAY

Optical



07-20-2024 Sat 19:36:15

Bottom to top

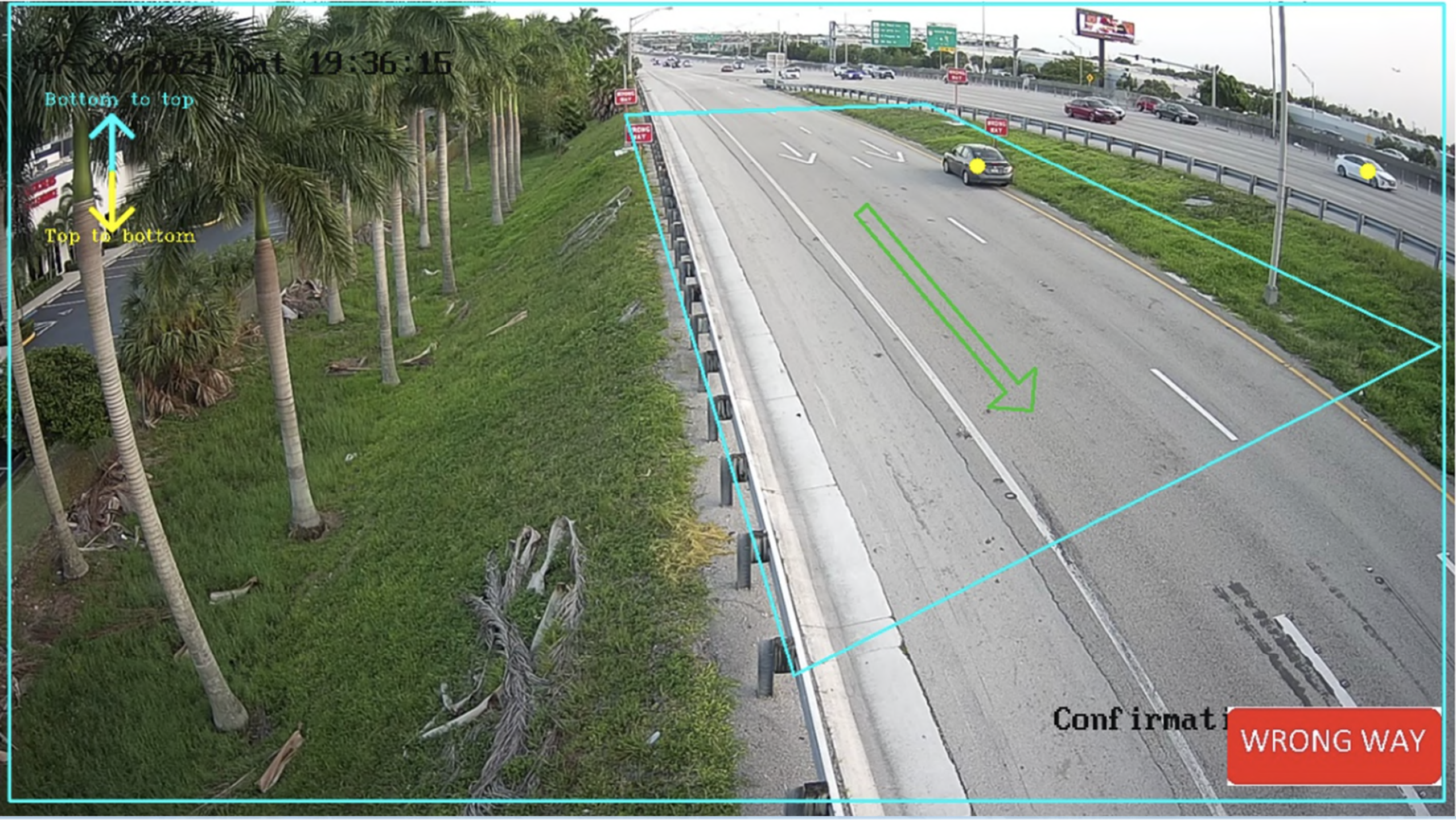


Top to bottom



Confirmation

WRONG WAY



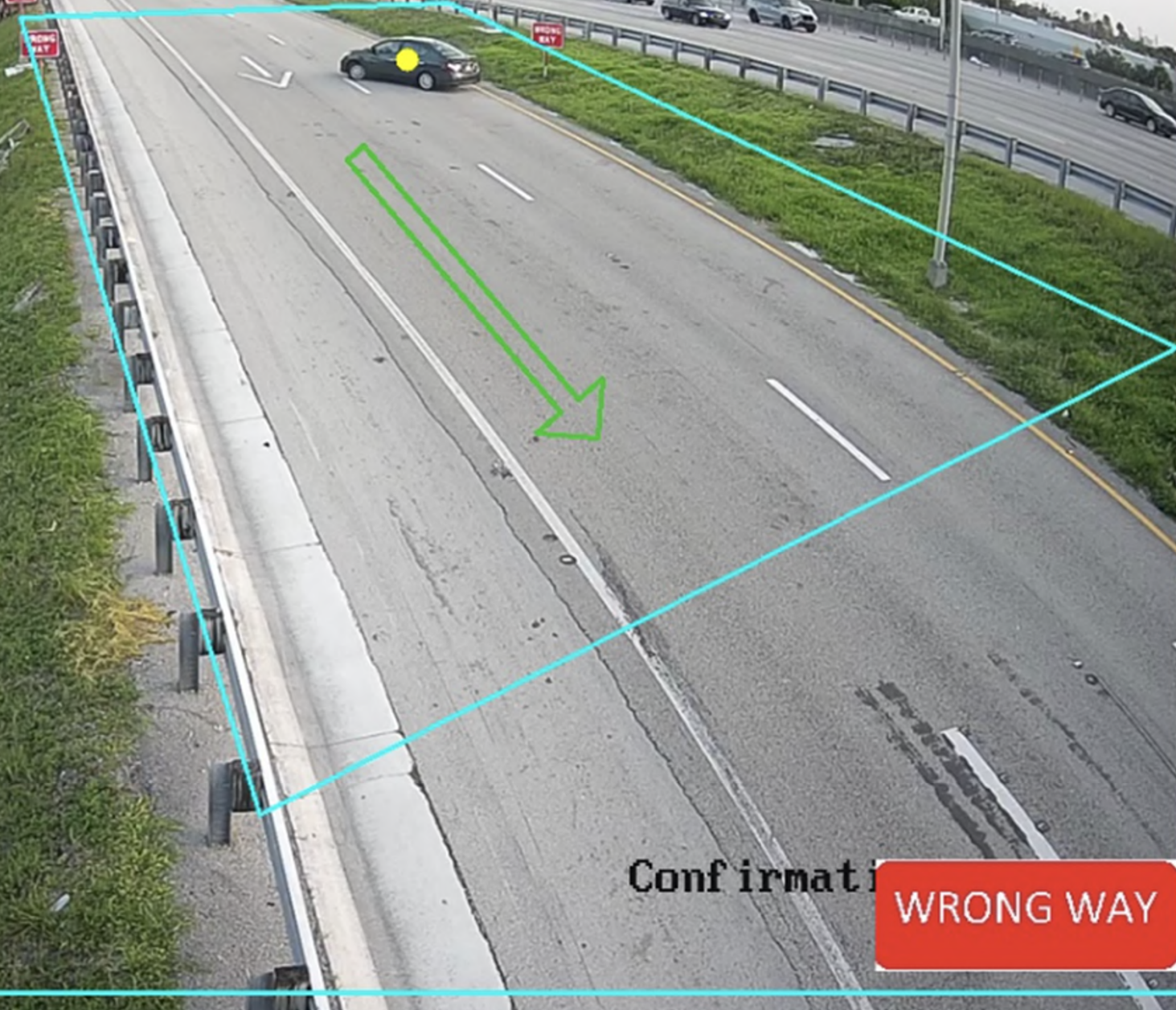


07-20-2024 Sat 19:36:18

Bottom to top



Top to bottom



Confirmation

WRONG WAY

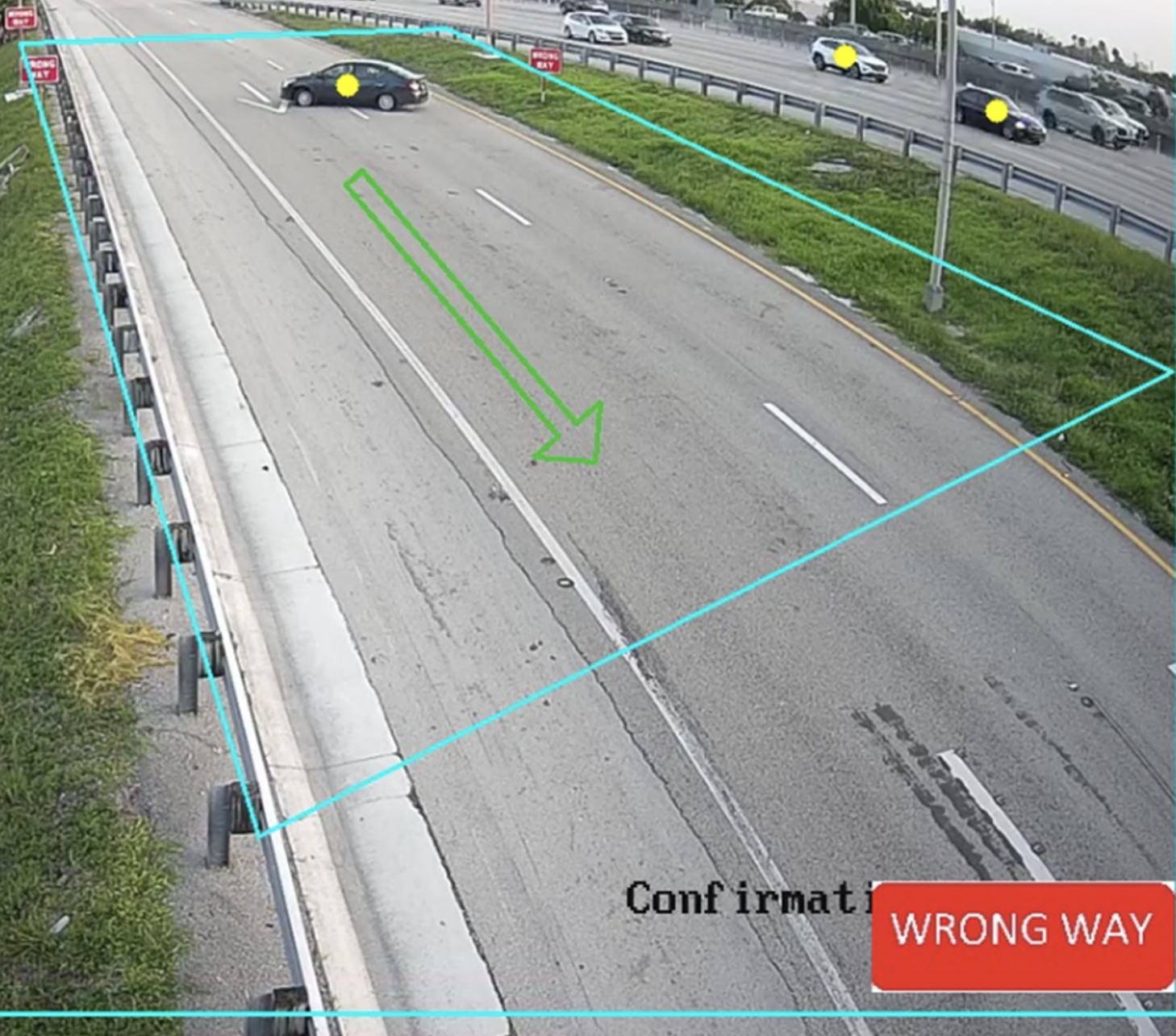


07-20-2024 Sat 19:36:18

Bottom to top



Top to bottom



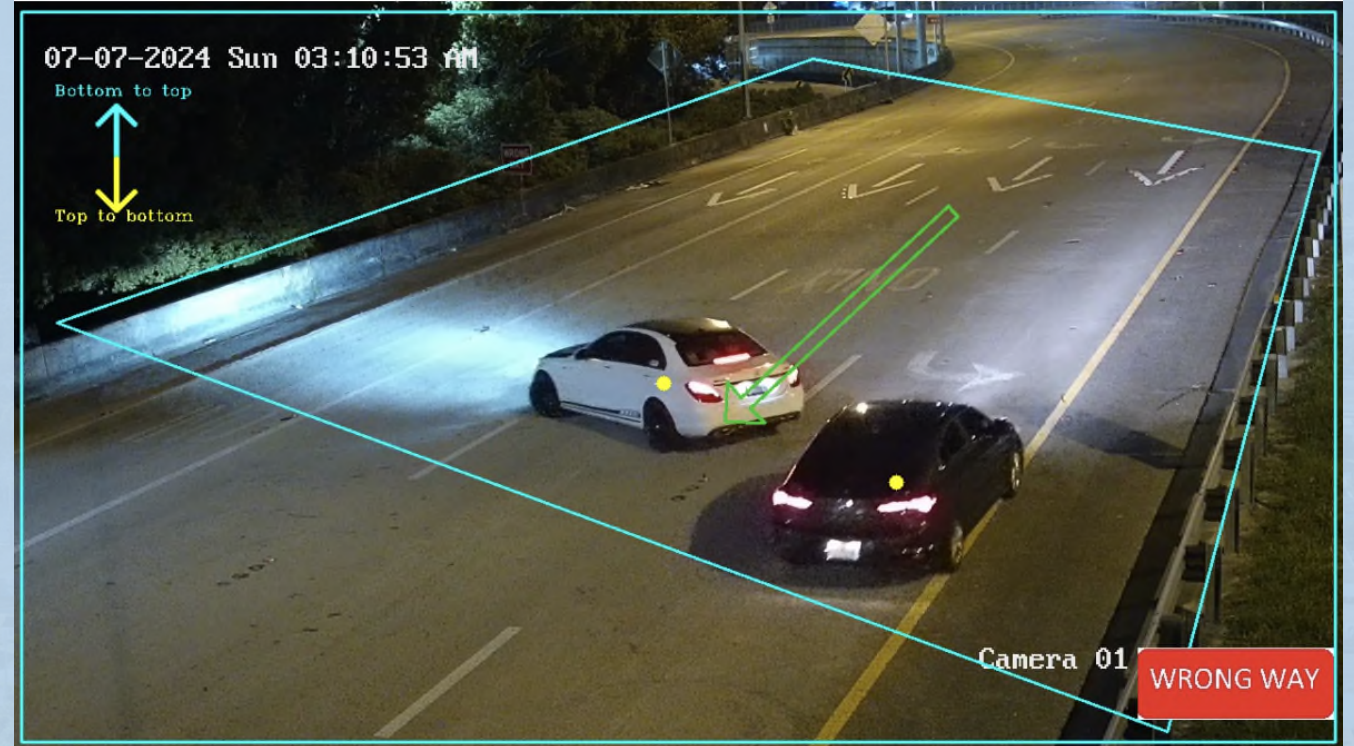
Confirmation

WRONG WAY




# Wrong Way Detection System


- Multiple Image Captures
- Cameras Upstream from Location
- BOLO (“Be on the Lookout”) to Road Rangers and Incident Response Vehicle Operators
- FHP Notification
- Emails to FDOT
- FL511 Notification
- DMS Message





**WRONG WAY  
DRIVER REPORTED  
USE CAUTION**





 Resolve Alarm


 Create New Event


 Create Secondary Event

 Associate to Existing Event

 Acknowledge and Take Ownership

 Dismiss as False Alarm

 View Event Details

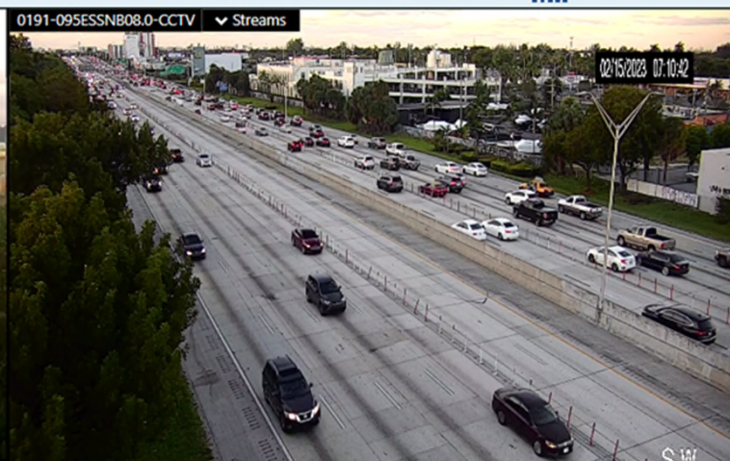
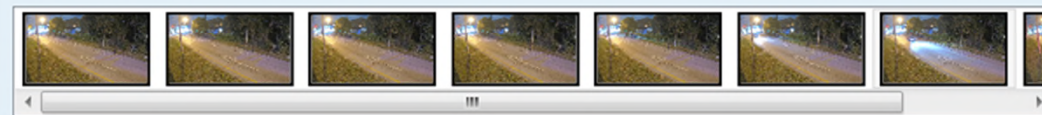
 Find on Map

Resolve Actions

Alarm Actions

Detection Time	Speed	Direction	Roadway	Location Description	Notification Device	Alert Type	Associated Event
02/15/2023 00:59		Northbou...	I-95	I-95 NB@NW 95 ST	WWD:I-95NB@NW95ST	Wrong Way Driver	<a href="#">1150798</a>

7 of 8





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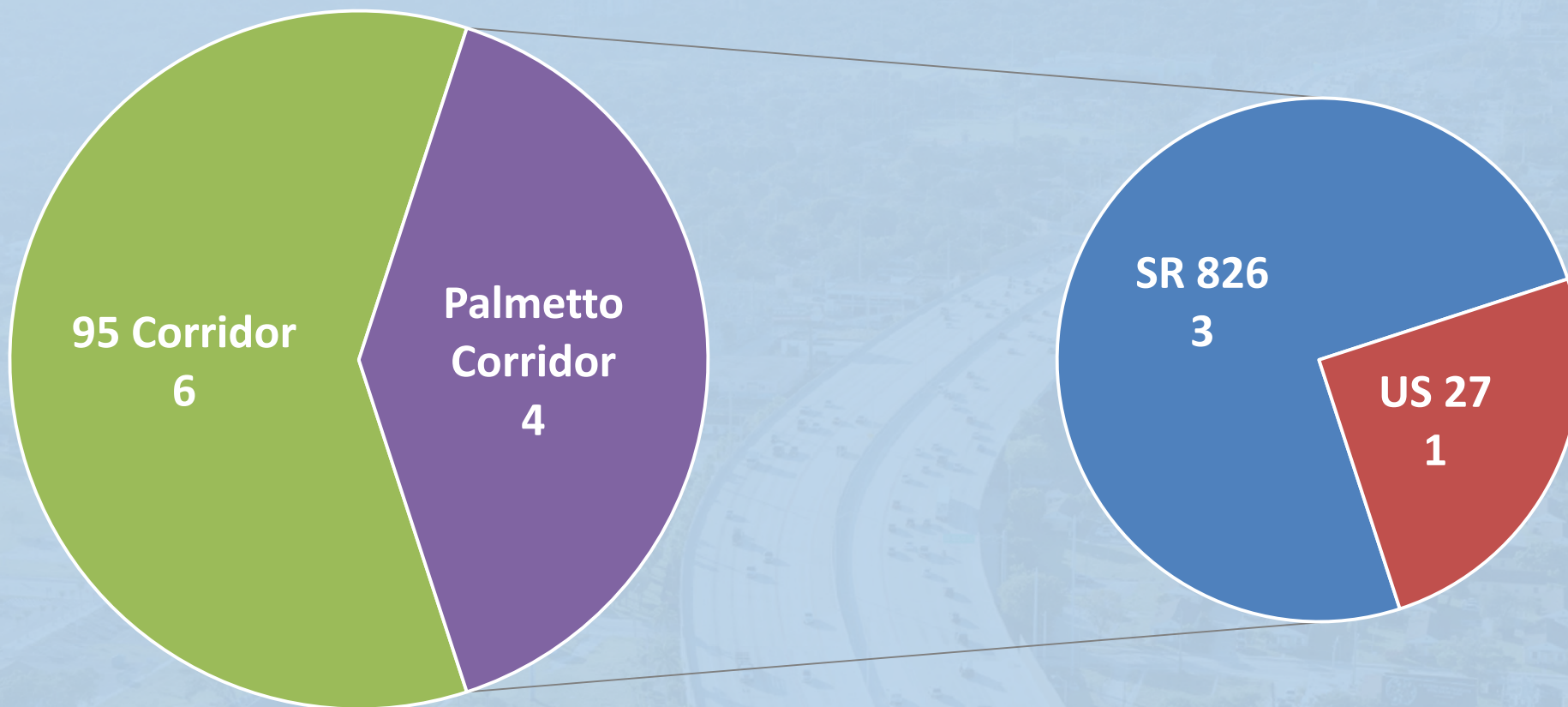
# Incident Management Stats

ROADWAY INCIDENTS	FY 22/23	FY 23/24	CHANGE
Number of Events	52,000	57,300	↑ 10%
Lane Blockage Events	20,500	23,100	↑ 13%
Average Response Time	11.3 min	11.5 min	↑ 2%
Average Lane Clearance Time	30.6 min	30.9 min	↑ 1%

RISC	FY 22/23	FY 23/24	CHANGE
RISC Events	26	10	↓ 61%
RISC Average Arrival Time	58 min	53 min	↓ 9%
RISC Average Lane Clearance Time	57 min	66 min	↑ 16%
RISC Average Incident Clearance Time	169 min	164 min	↓ 3%



## RISC Events

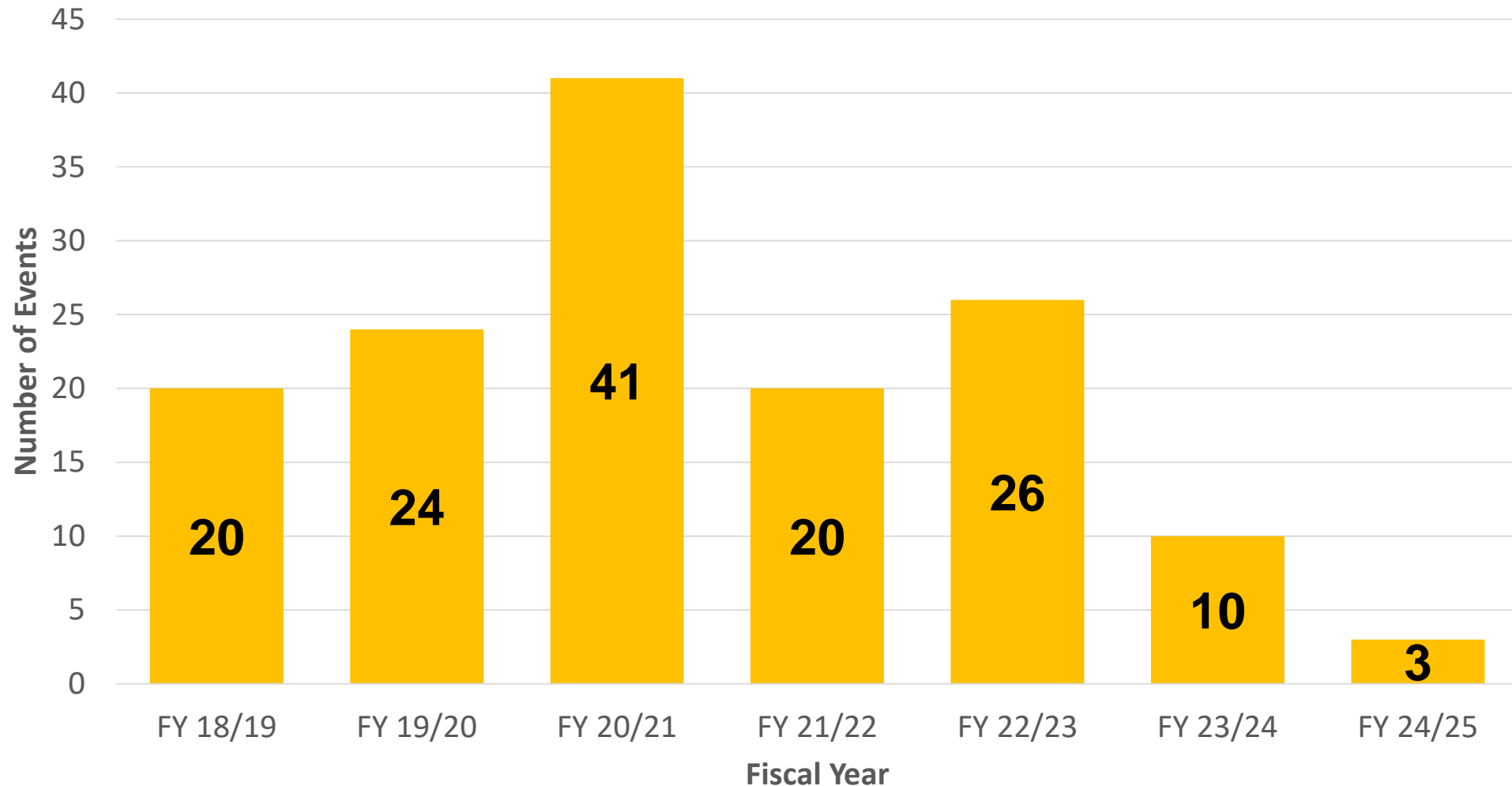


**Fiscal Year 23/24**



# Incident Management Stats

## District Six RISC Events





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## RISC Event

- Thursday, July 18, 2024, at 05:22 PM
- Location: I-75 Southbound at Miami Gardens Drive
- Details
  - Flatbed tractor trailer wedged between bridge column and median barrier wall
  - Vehicle fire
  - Fatality
  - Potential bridge damage







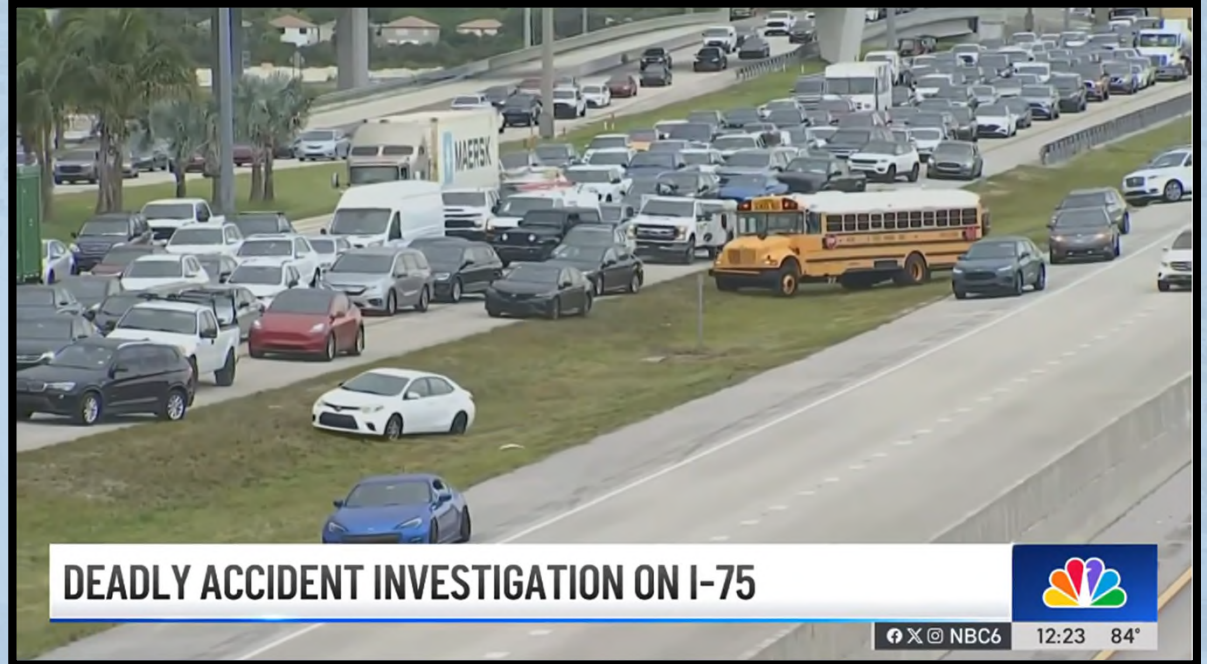






## Traffic Impact

- All lanes blocked I-75 SB at Miami Gardens Drive
- I-75 SB traffic redirected to Turnpike
- 75 Express closed in Miramar
- Congestion to Pembroke Pines

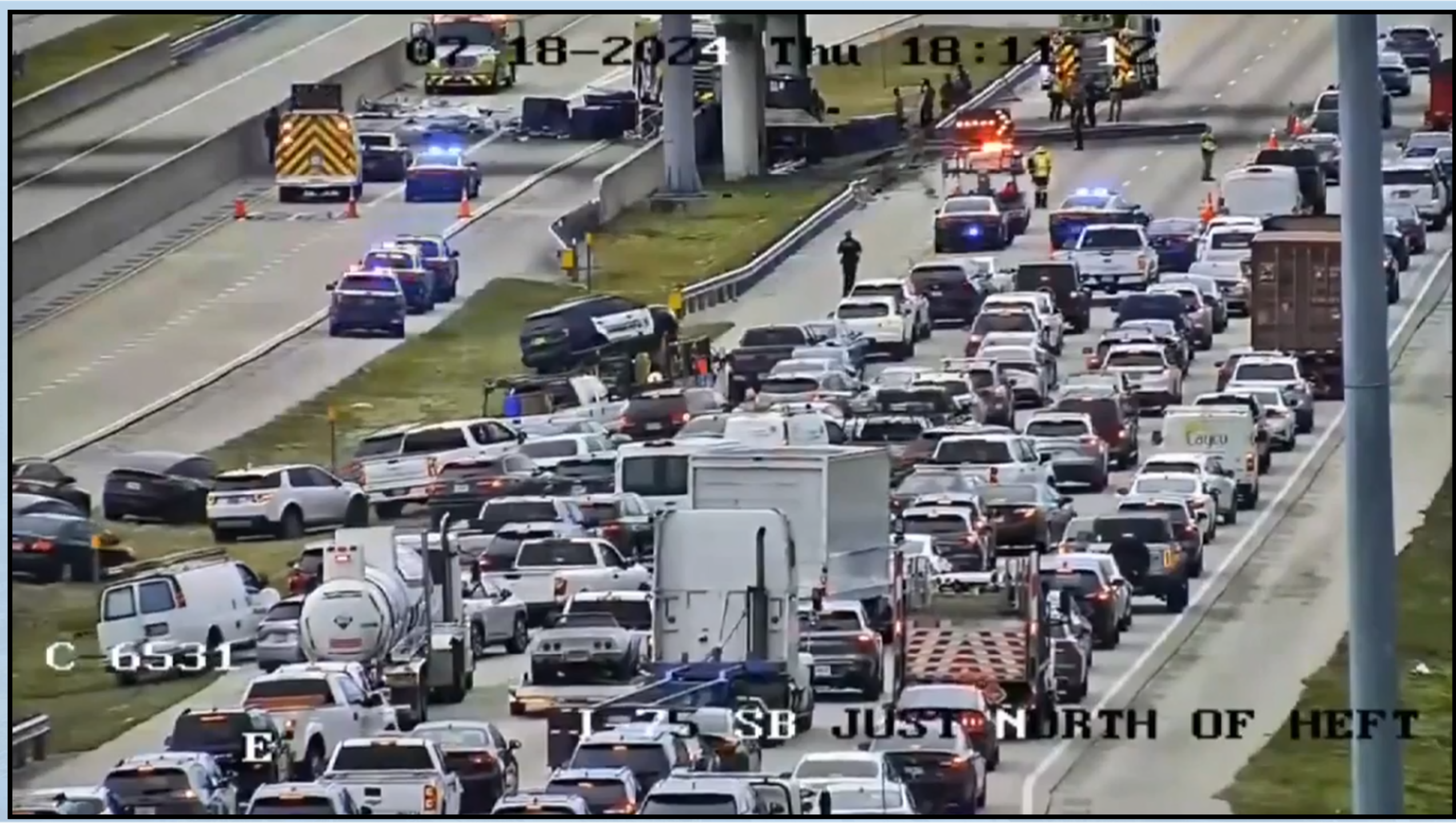




07-18-2024 Thu 18:11

C 6531

E I-75 SB JUST NORTH OF HEFT

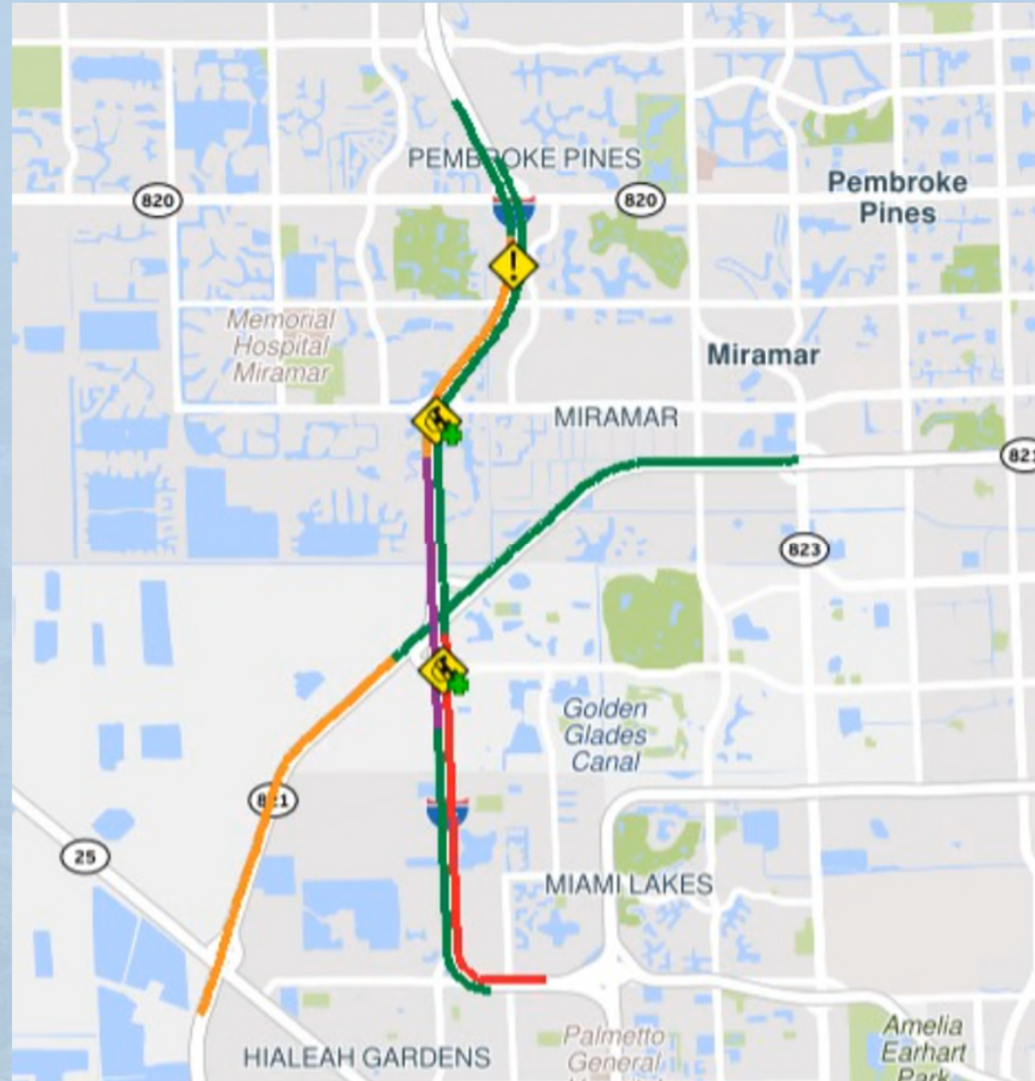




# Rapid Incident Scene Clearance (RISC)

## Traffic Impact

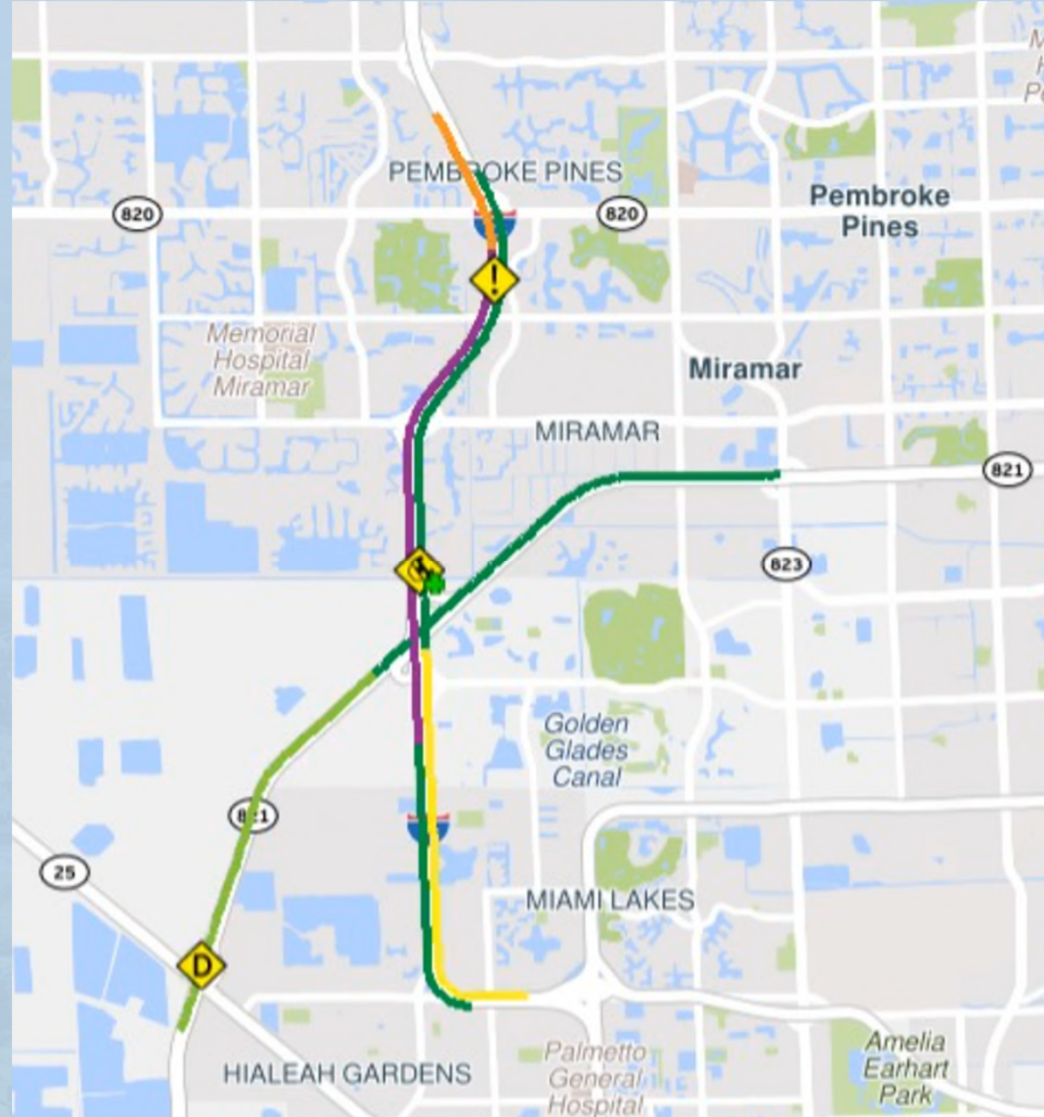
5:00 PM to 6:00 PM





## Traffic Impact

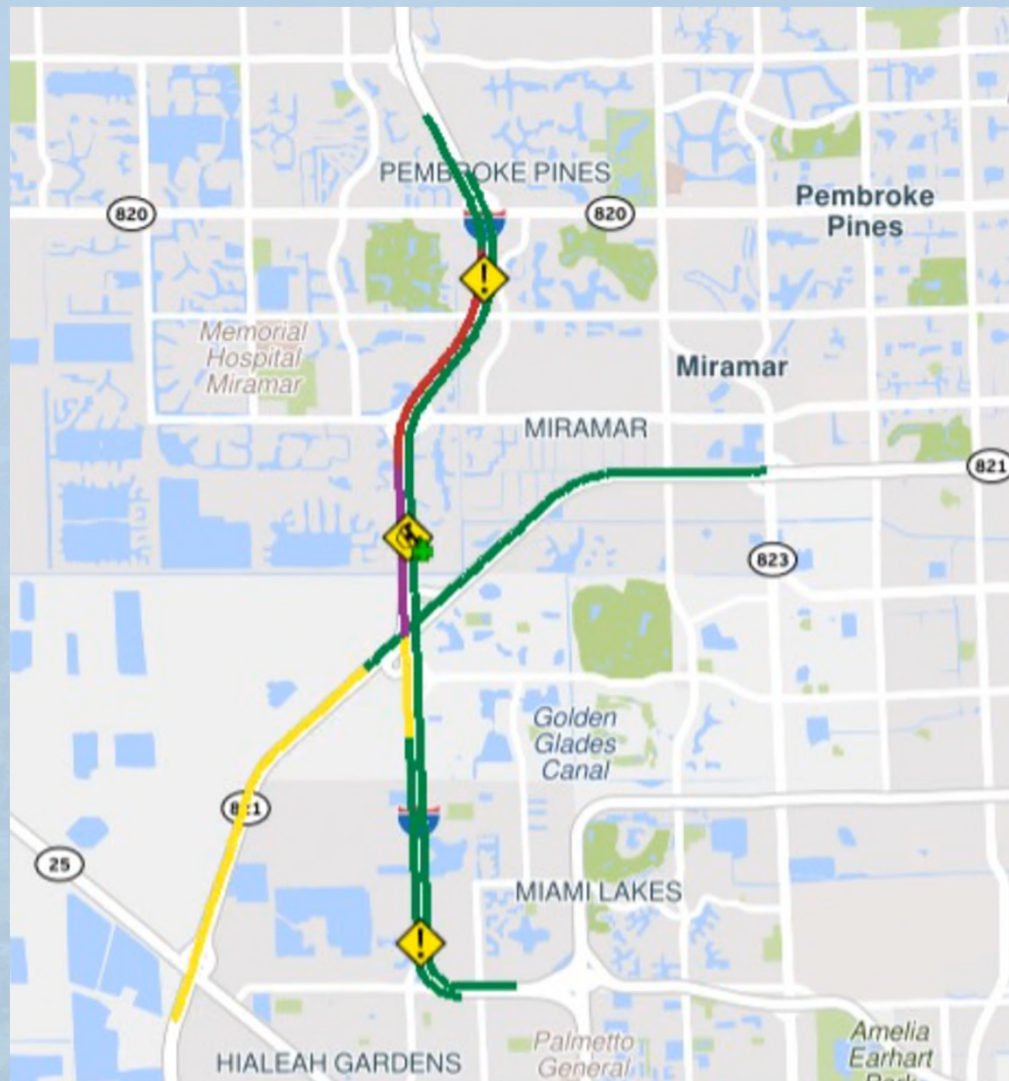
6:00 PM to 7:00 PM





## Traffic Impact

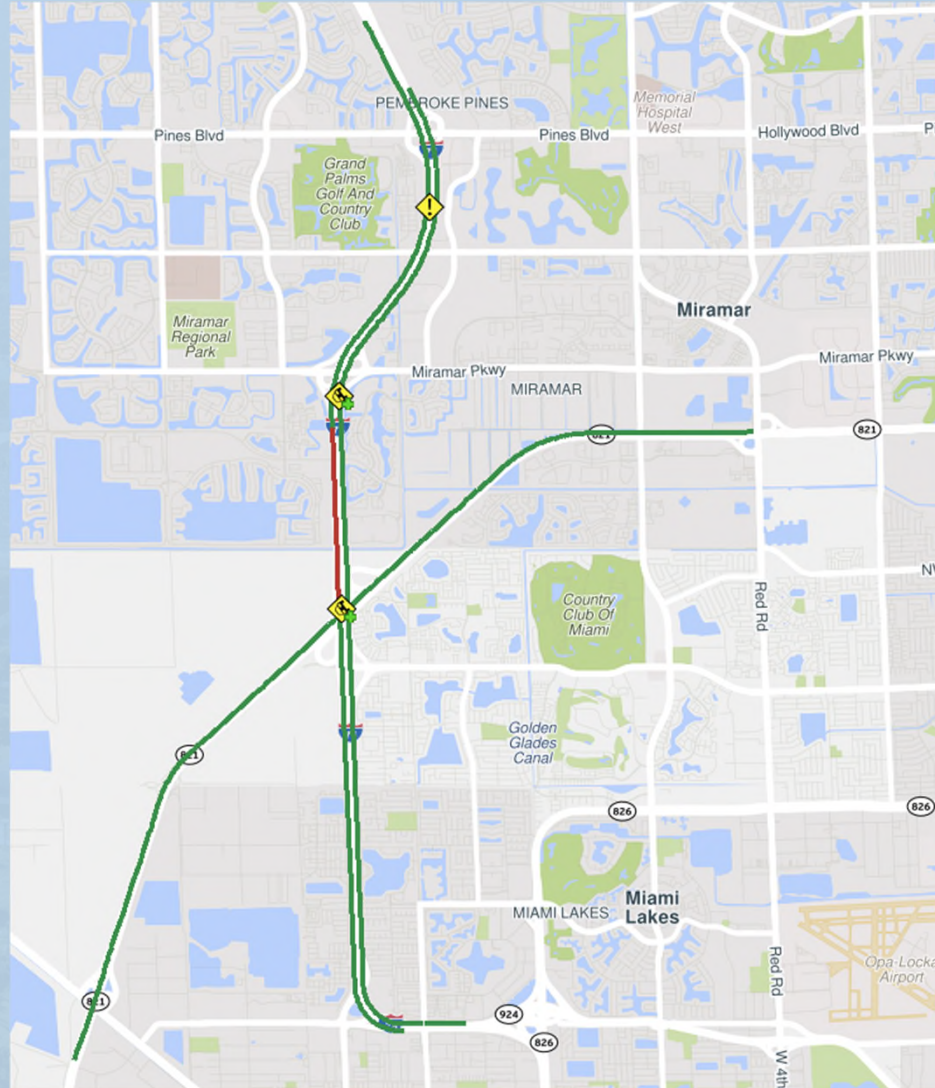
7:00 PM to 8:00 PM





## Traffic Impact

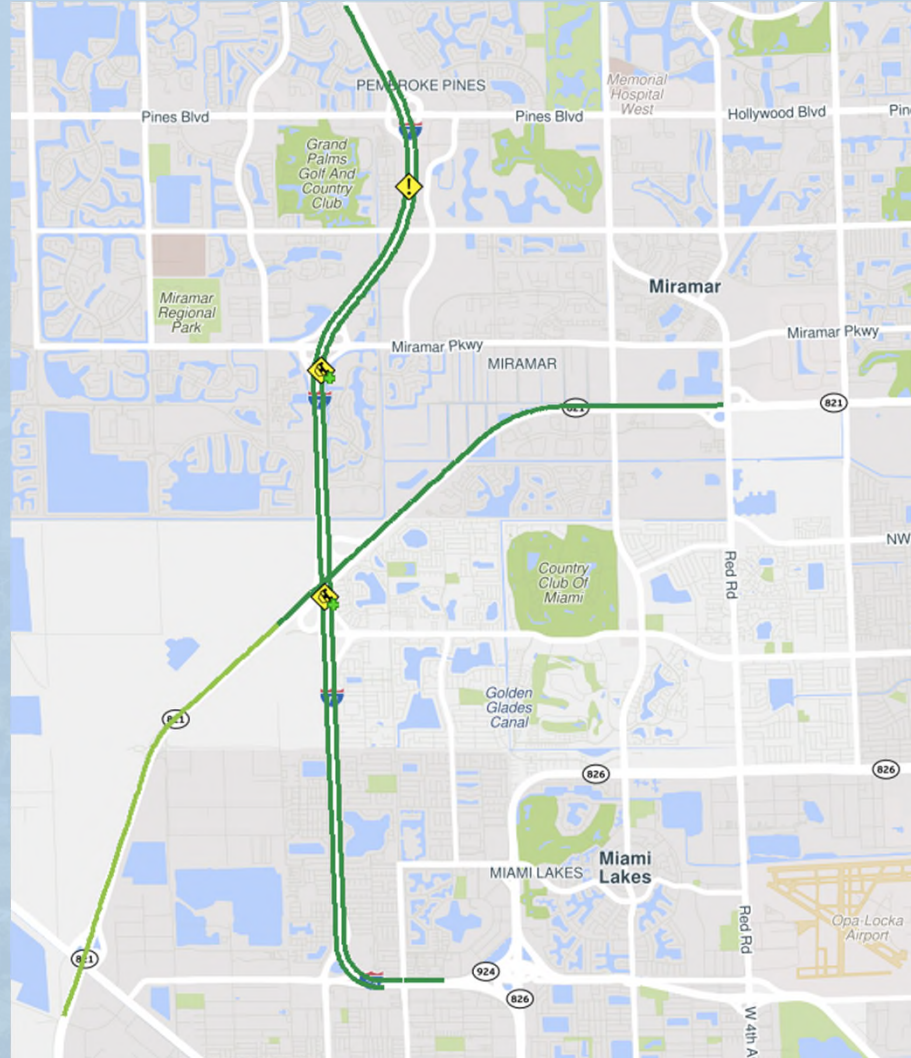
8:00 PM to 9:00 PM





## Traffic Impact

10:00 PM to 11:00 PM





## Vehicle Fire

- Single vehicle crash involving a flatbed tractor trailer
- The vehicle burst into flames once it crashed



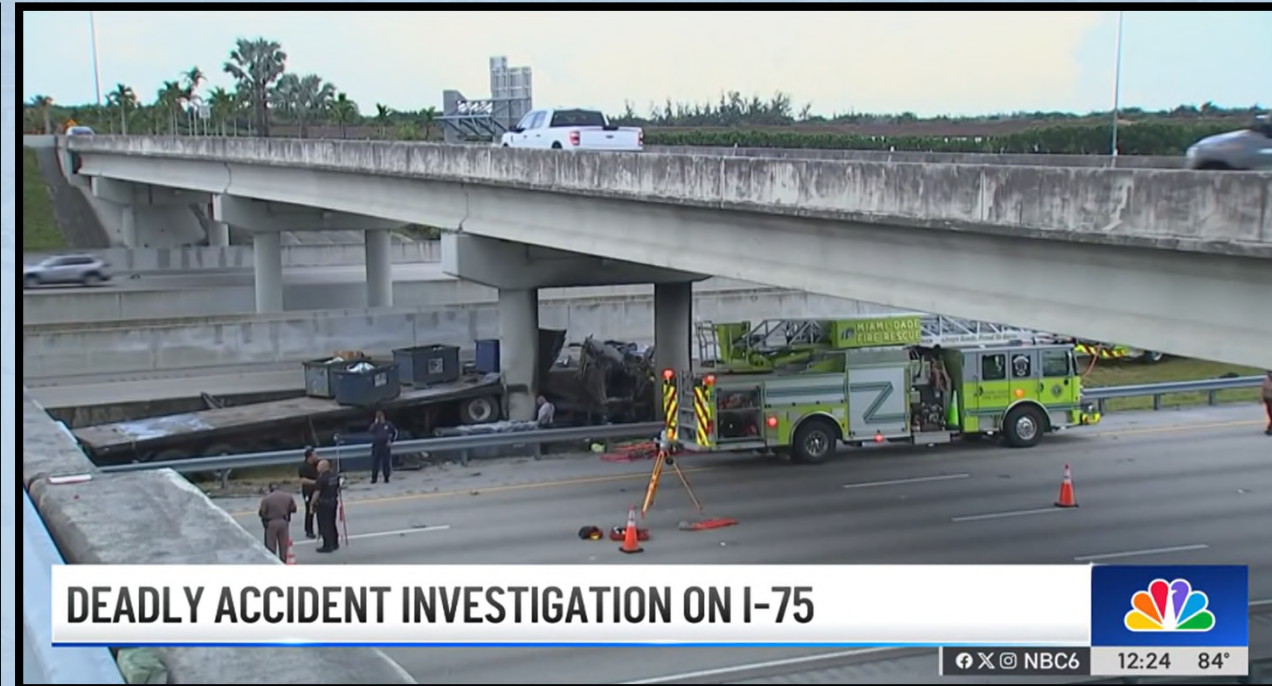






## Fatality

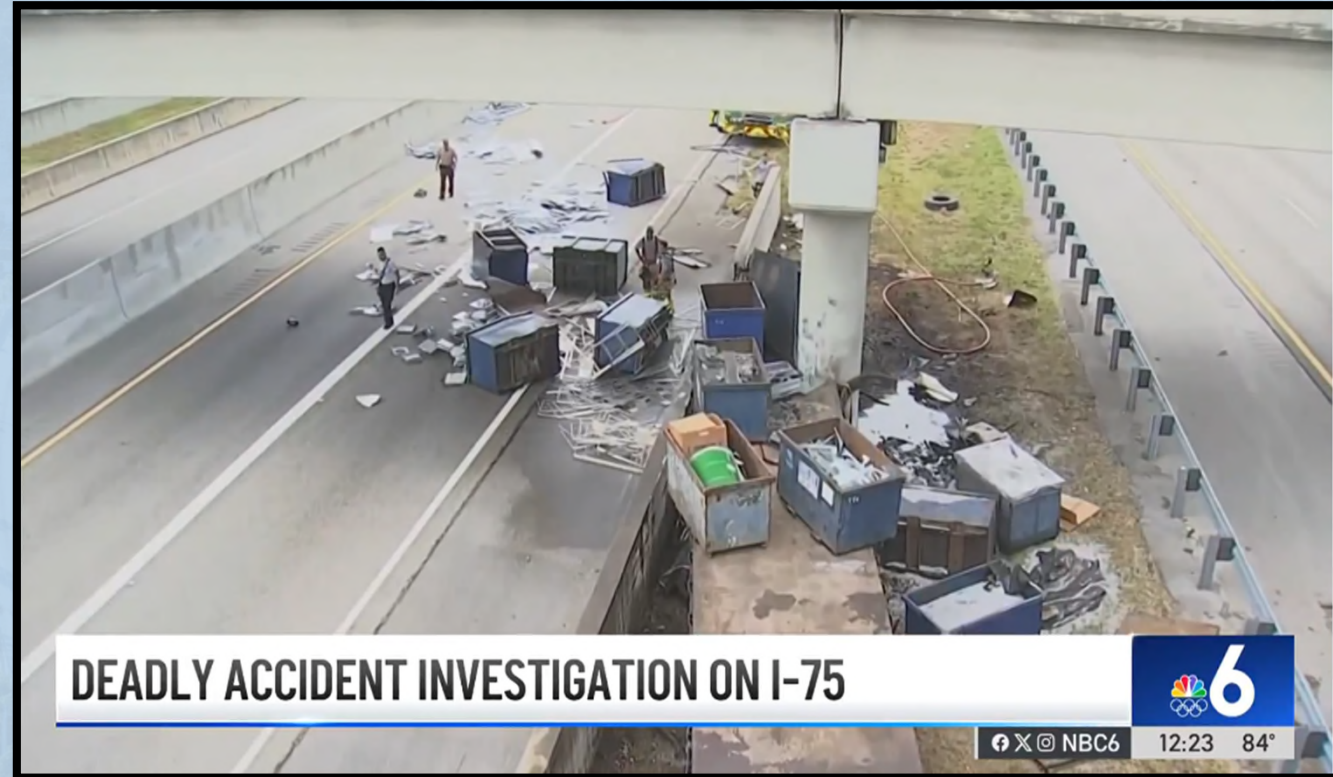
- Driver trapped in vehicle after the crash
- Traffic Homicide Investigation (THI) conducted investigation
- Delayed start of RISC clearance





## Debris on Roadway

- Truck was hauling dumpsters filled with metal material
- Dumpsters and material jettisoned forward upon impact
- Debris scattered across SB 75 Express and NB 75 Express



DEADLY ACCIDENT INVESTIGATION ON I-75



## Structural Inspection

- Fire directly below bridge
- Potential impact damage to bridge column
- Structural inspector arrived and determined structurally sound









## RISC Clearance

- RISC Vendor Kauff's Towing arrived on scene
- Vendor removed vehicle from the roadway
- Debris cleanup was conducted after the vehicle was removed





## Incident Clearance / All Lanes Clear

- Lanes opened at 12:30 AM
- Total Incident Duration - 7 Hours





# Thank You!

**TRANSPORTATION SYSTEMS  
MANAGEMENT & OPERATIONS**  
1001 NW 111th Ave, Miami, FL 33172

VISIT [SUNGUIDE.INFO](https://www.floridadot.org/sunguide) FOR MORE INFORMATION

## FDOT PSA August 2024: Impaired Driving National Enforcement



**IF YOU FEEL DIFFERENT  
YOU DRIVE DIFFERENT  
DRIVE HIGH GET A DUI**

