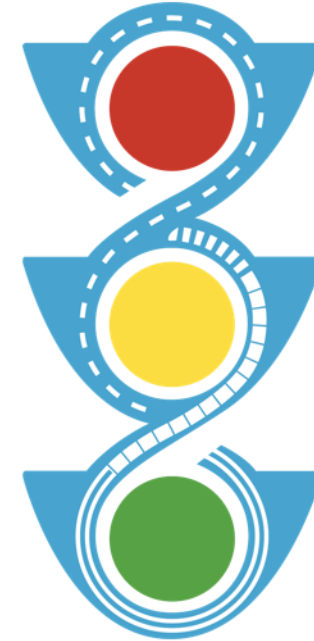


Independent Transportation Surtax Oversight Board Budget Workshop

August 2, 2024



MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation

Agenda Overview – Oversight Board Workshop

Welcome & Call to Order – Chair, C. Douglas Coolman

Roll Call – Administrative Coordinator, Roy Burnett

I. Transportation Surtax Program Overview: January 1, 2019 - June 30, 2024:

Accomplishments

- **Broward County Transportation Department**
- **Broward County Public Works Department**
- **Office of Economic & Small Business Development**
- **Office of the County Attorney – Surtax Legal**
- **Municipal Surtax Program (FY 2020 – June 30, 2024)**

-- FY 2024 MAP Broward National Recognition – Special Presentation --

Agenda Overview – Oversight Board Workshop (cont.)

>> 1 HOUR LUNCH BREAK, AUGMENTED AND VIRTUAL REALITY PREVIEW FOR BOARD MEMBERS<<

II. FY 2025 Budget Requests

- **Introduction – FY 2025 Geographical Equity Analysis (Proposed Surtax Investments)**
- **Broward County Transportation Department Capital & Operating**
- **Broward County Public Works Capital**
- **Municipal Surtax Program (Projects)**
- **Broward County Resilient Environment Department’s Innovation Unit/MAP Administration**

Adjourn August 2, 2024, Workshop on FY2025 Transportation Surtax Budget

Transportation Surtax Program Overview

- The transportation sales surtax is authorized to be levied by Charter Counties (like Broward) under Sec. 212.055, Florida Statutes. Broward County's sales surtax began generating revenues January 1, 2019.
- The transportation surtax program (MAP Broward) is budgeted on the County's fiscal year which runs from October 1 to September 30, annually.
- We are in the last quarter of fiscal year (FY) 2024 and budgeting for FY 2025.
- The Oversight Board is reviewing and approving the statutory eligibility of proposed projects and expenditures in the surtax capital fund for FY2025, as well as the proposed Five-Year Plans (FY2025-2029) prior to the County Commission approving the budget.
- The County Commission will have a Budget Workshop including the Surtax program **August 27th, 2024**; followed by two public hearings in September before adopting the FY 2025 budget.

Completed Surtax Projects in each Commission District

District 1

Southwest Ranches
Roadway Resurfacing
at Various Locations
(Municipal Project)



District 2

Deerfield Beach
Bridge Improvements
SE 13th Avenue
(Municipal Project)



District 3

Multimodal Enhancements
Bike Lanes on Commercial Blvd
(County Public Works Project)



Completed Surtax Projects in each Commission District

District 4

Transit Infrastructure
Bus Stop Improvement
A1A / Palm Club Dr
(County Transit Project)



District 5

Plantation
Roadway Resurfacing
at Various Locations
(Municipal Project)



District 6

Multimodal Enhancements
Hollywood Boulevard
From City Hall Circle to Dixie Highway
(Municipal Project)



Completed Surtax Projects in each Commission District

District 7

Bus Stop Improvement
US 441 / Hollywood Boulevard
(County Transit Project)



District 8

Landscape Improvements
Oakland Park Boulevard
From NW 31 Ave to NW 21 Ave
(Municipal Project)



District 9

Fiber Optic Network
Sunrise Boulevard
From Flamingo Rd to NW 136th Ave
(County Public Works Project)



Broward County Transportation Department Accomplishments

Coree Cuff Lonergan, CEO/General Manager



MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation

Transportation Department FY 2024 Accomplishments



CONGRATULATIONS, BCT!

- Broward County Transit will receive funding to buy battery electric buses and on-route chargers to replace older diesel vehicles. The project also includes building a solar canopy that will provide renewable energy to the fleet and address the impacts of climate change.





We are BCT

Second largest transit agency in Florida.

Ranked in the top 40 transit agencies in America based on passenger trips.

Fixed-route provides 14.1 million miles and 1.1 million hours of service per year.



What We Do

- Deliver vital transportation services to Broward, Miami-Dade, and Palm Beach counties with 422 fixed-route buses and 337 paratransit vehicles
- Employ 1,250+ transit professionals who connect people to life
- Connect communities, support employment, and contribute to the economic vitality of the region
- Maintain and operate two maintenance facilities, four transit centers, and five park & ride lots
- Serve 18 municipalities with 79 community shuttles



We celebrated the spirit of gratitude and acknowledged the hard work of our Broward County Transit employees, who keep our organization moving.

93% PRE-PANDEMIC

📍 RIDERSHIP

**19,796,348
RIDERSHIP**

**1,706
LATE SHIFT
RIDES HAVE BEEN
TAKEN
WITH OUR PROGRAM**

**LATE SHIFT
CONNECT**

**FIXED
ROUTE**

**COMMUNITY
SHUTTLE**

**962,104
RIDERSHIP
COMMUNITY SHUTTLE**

PARATRANSIT

**RIDERS
CHOICE**

**782,897
RIDERSHIP
FOR OUR SHARED
RIDE SERVICE**

**42,126
RIDES
TAKEN WITH
OUR RIDERS CHOICE
PROGRAM**

**FY2024
OCTOBER 2023 - JUNE 2024**



Charging Towards a Greener Future



2 new fully electric over the road coaches to provide express service from Broward to Miami-Dade



14 new charging depot stations in service at Ravenswood Facility



297 paratransit vehicles are propane fueled



2 new mobile chargers purchased and scheduled for installation at Copans Maintenance Facility in August 2024

Elevating the Customer Experience

Safety and Security

- More than 950 employees trained on Behavior Based Mental Health De-escalation Welle Training
- Increase in armed contract security to assist with operator and passenger security across BCT
- Addition of sworn law enforcement detail to Lauderhill Transit Center



relation
point of v
Safety |
possible

Elevating the Customer Experience

Copans Operations and Maintenance Facility

BEFORE



AFTER



NEW COPANS ROAD BUS WASH



Elevating the Customer Experience

Paratransit/TOPS

Provides transportation service to elderly, economically disadvantaged, and disabled individuals which functionally prevent them from using the fixed-route bus system.

Highlights

- 16.4% increase in ridership
- 40 new paratransit vehicles purchased

Rider Choice Program:

Subsidy increased from \$18 to \$30.

- 38.5% increase in ridership



Elevating the Customer Experience

Late Shift Connect

Ridership Tripled!

Late Shift Connect provides on-demand and direct transportation for overnight workers when regular transit service is generally not available.

Effective March 1, 2024:

- Increased subsidy per trip from \$15 to \$30
- Increased number of trips per week from 5 to 7
- Expanded hours of service:
 - 9PM to 7AM, Monday to Friday
 - 8PM to 7AM Saturday and Sundays



Direct
Rides
to or from Work

ENROLL

NOW



Scan the QR code for more information



Elevating the Customer Experience

Fare Interoperability

- Broward County Transit, SFRTA, Miami-Dade Transit, and Palm Tran under one umbrella on one app
- Customers will be able to book trips and purchase tickets from any of the South Florida service providers
- Go live date Winter 2024



Connecting Communities

State of the Workforce and Job Fair

- BCT partnered with CareerSource Broward
- Provided free hourly buses from prosperity zones to the job fair
- 215 job seekers transported
- More than 1,200+ attended this successful event



Connecting Communities

Building a Path to Stability

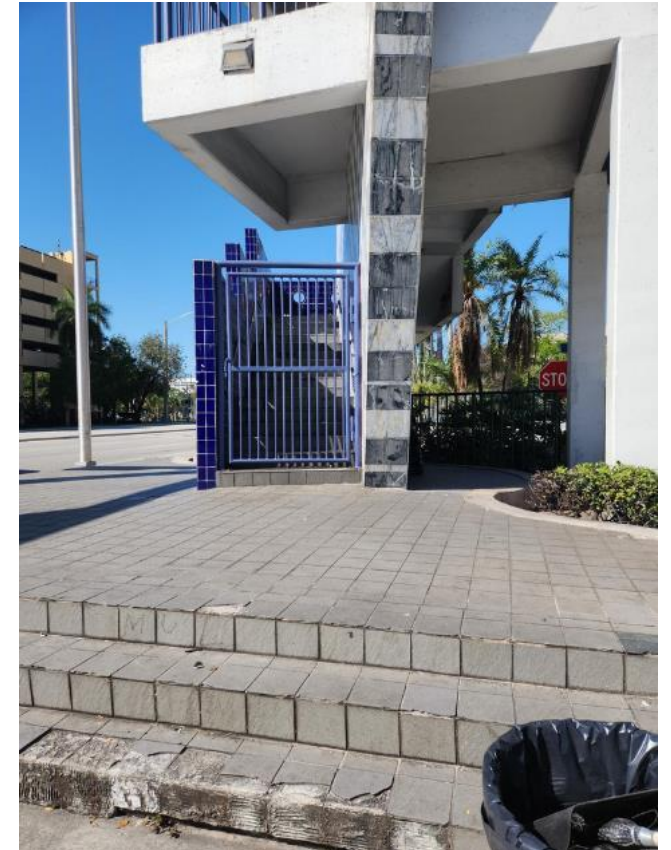
BCT Offers an Innovative Solution to Help Unsheltered Individuals

- BCT and Human Services Division joined forces to address issues of unsheltered individuals at bus terminals, stops, and certain routes
- Provided storage, shelter, outreach, mental health support, and medical services
- 1,500 contacts made with the unsheltered community

BEFORE



AFTER



BCT Staff Goes Above and Beyond



BCT Operator Helps Lost Elderly Man

Operator Helena Russ-Richardson and Supervisor Laurie Henderson reunited an elderly passenger with his family.



Local Customer Service Agents Brighten a Teen's Day

A teenage rider was spotted at LTC with holes in his shoes. Customer Service Agents Anita Davis, Calvin Hercule, and Cheryl Reckley purchased him a new pair of shoes. The team donated other items to the young teen's family.



BCT Operator Assists Unsupervised Children

Operator Shayla Roundtree helped two unsupervised lost children, three and eight years old. She waited with them until BSO Deputies arrived.

Preparing for a Transformative Future

Service & Strategic Planning

Comprehensive Operations Analysis (COA) Study

Reviews existing transit system and the public's travel patterns.

Project Goals:

- Modernize The Network
- Boost Ridership
- Integrate PREMO
- Identify Operational Inefficiencies
- Integrate Mobility on Demand (MOD)
- Expand Service



Preparing for a Transformative Future

Copans Operations and Maintenance Facility

Project Scope:

Rehabilitate and reconstruct Copans Facility.



Accomplishment:

Completed Design Development Phase (May 2024).



Preparing for a Transformative Future

BCT 2.0 Reorganization



Focuses on safety and security



Facilitates customer-centric culture



Clearly defines functional responsibilities, improves span of control and creates natural synergies



Addresses increasing capital investments



Enables future and expanding multi-modalism



Supports succession planning and recruitment

BCT 2.0



Preparing for a Transformative Future

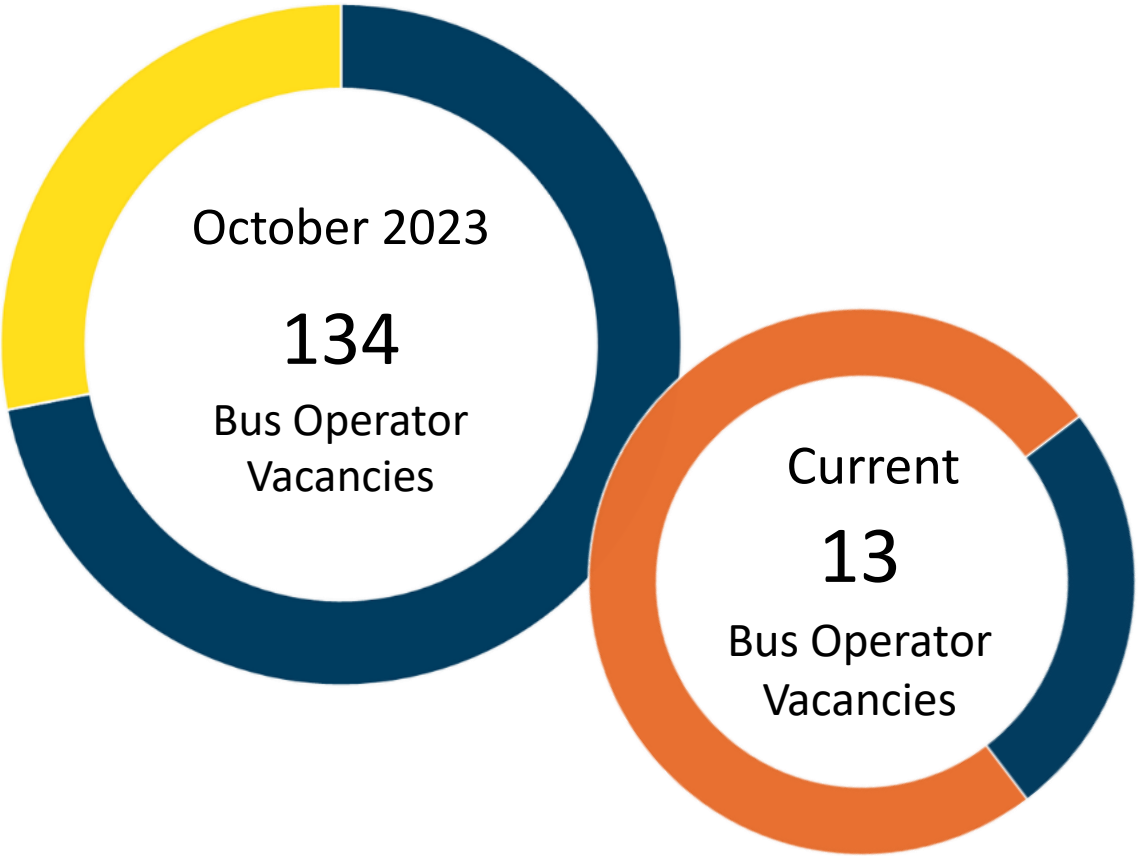
BCT 2.0 New Functional Alignment



Preparing for a Transformative Future

HR Hiring Excellence

Reduction of Bus Operator vacancy rate by 90%.



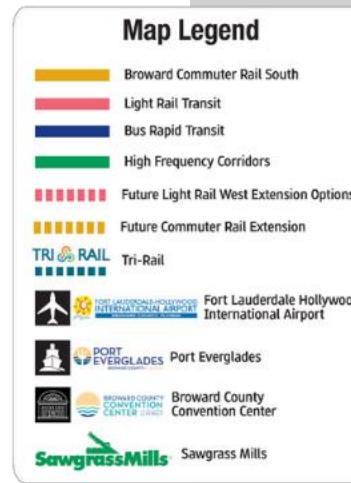


PREMO

The Future of Transit

Existing and Approved PREMO Network

| Mode | Miles |
|-----------------------------|-------|
| Broward Commuter Rail South | 11.5 |
| Light Rail Transit (LRT) | 23.3 |
| Bus Rapid Transit (BRT) | 76 |
| High Frequency Bus | 100 |



PREMO Program

Unanimously approved by the Broward County Board of County Commissioners



More than 200 miles of new premium service



Approximately 23 million annual ridership



Low or no emission fleet



New Intelligent Transportation Systems (ITS) technology



Localized aesthetic and architectural enhancements

3 PREMO Projects Underway

The Future of Transit Starts Here



Broward
Commuter Rail
South



Oakland Park Blvd
Bus Rapid Transit



Airport-Seaport-
Convention
Center

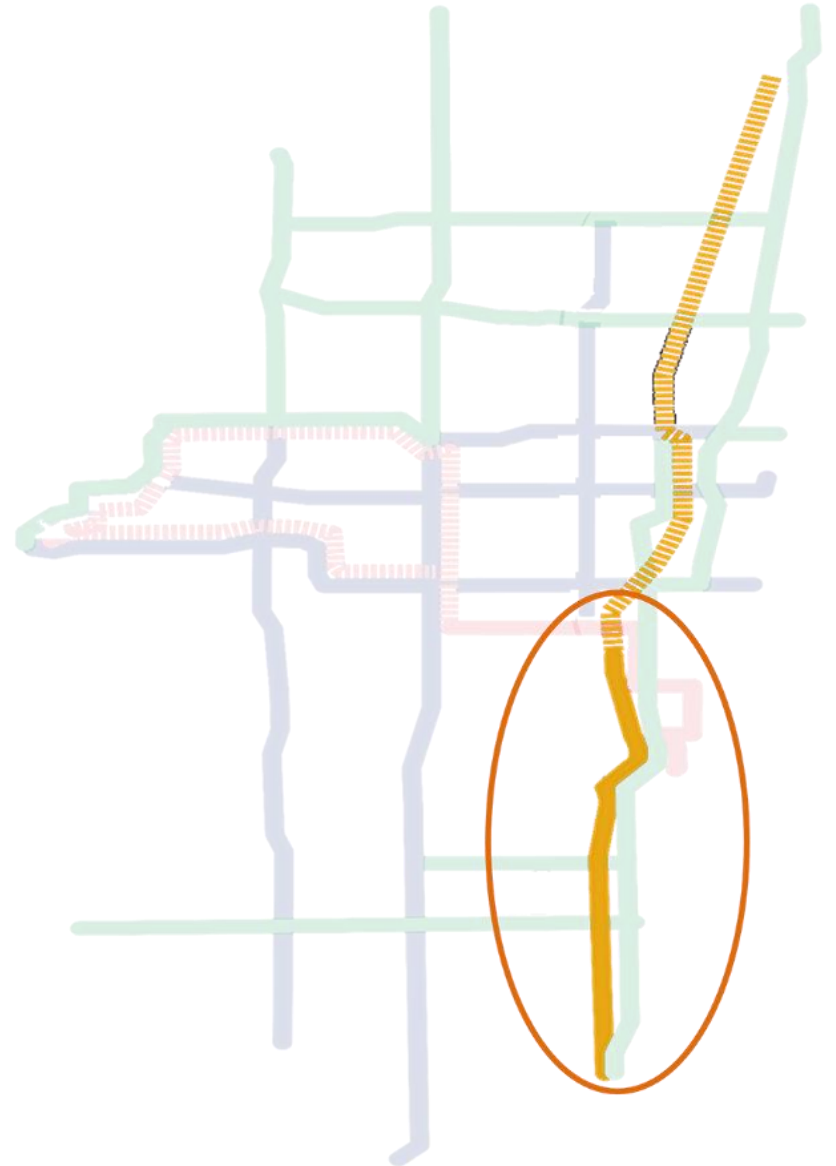
3 PREMO Projects Underway

Broward Commuter Rail South

The Broward Commuter Rail South consists of 11.5 miles of commuter rail in Southeast Broward County and includes three stations at Hollywood, Fort Lauderdale-Hollywood International Airport & South Fort Lauderdale.

YTD Accomplishments:

- Completed NEPA Environmental Analysis
 - Public Comment Period Underway
 - Anticipated Clearance Fall 2024
- Finalizing 30% Design
 - Value Engineering Complete
- Continuing Community Outreach
- Developing Grant Application
- Advancing Cooperative Agreements

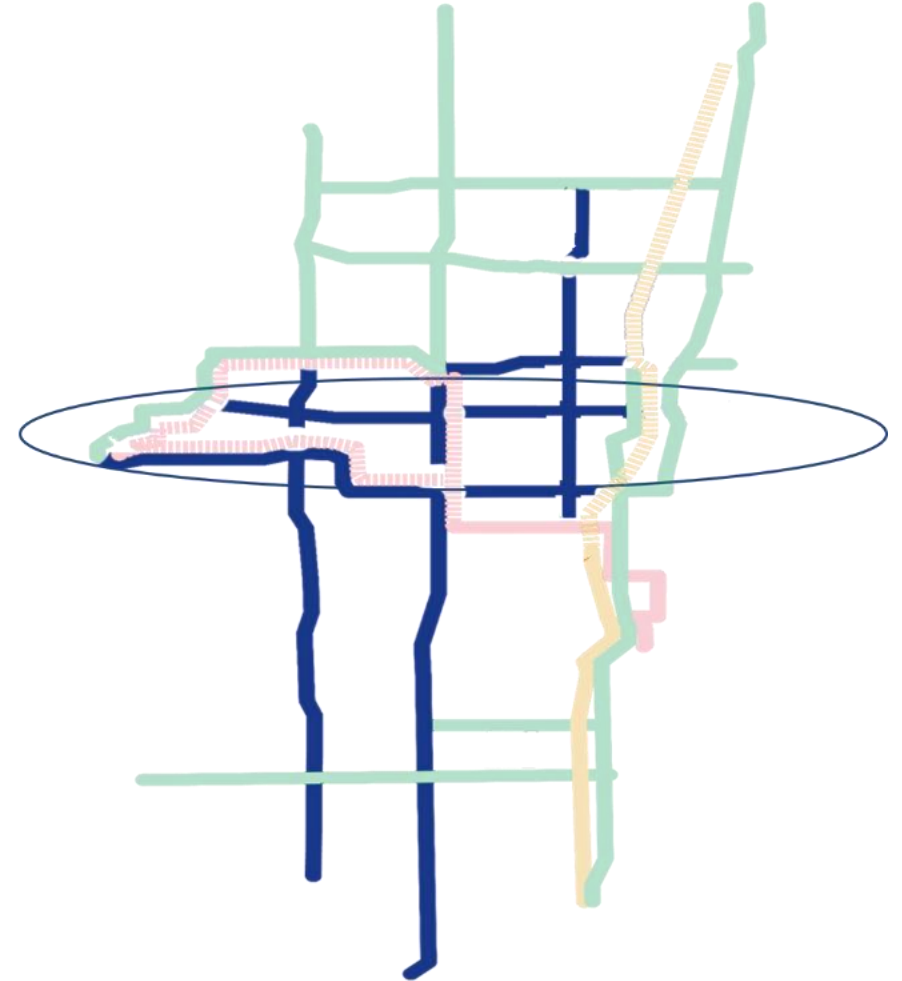


3 PREMO Projects Underway

Oakland Park Blvd Bus Rapid Transit (BRT)

The proposed BRT project connects activity centers between A1A and Sawgrass Mills Mall along Oakland Park Blvd. It includes approximately 15 miles of Bus Rapid Transit (BRT) along Oakland Park Boulevard, 16 branded stations and proposes exclusive transit lanes where feasible.

- Conceptual Design and Development underway
- Ongoing Public and Stakeholder Outreach
- Completed Traffic Data Collection and Analysis Underway
 - Lane Repurposing Process with FDOT Underway



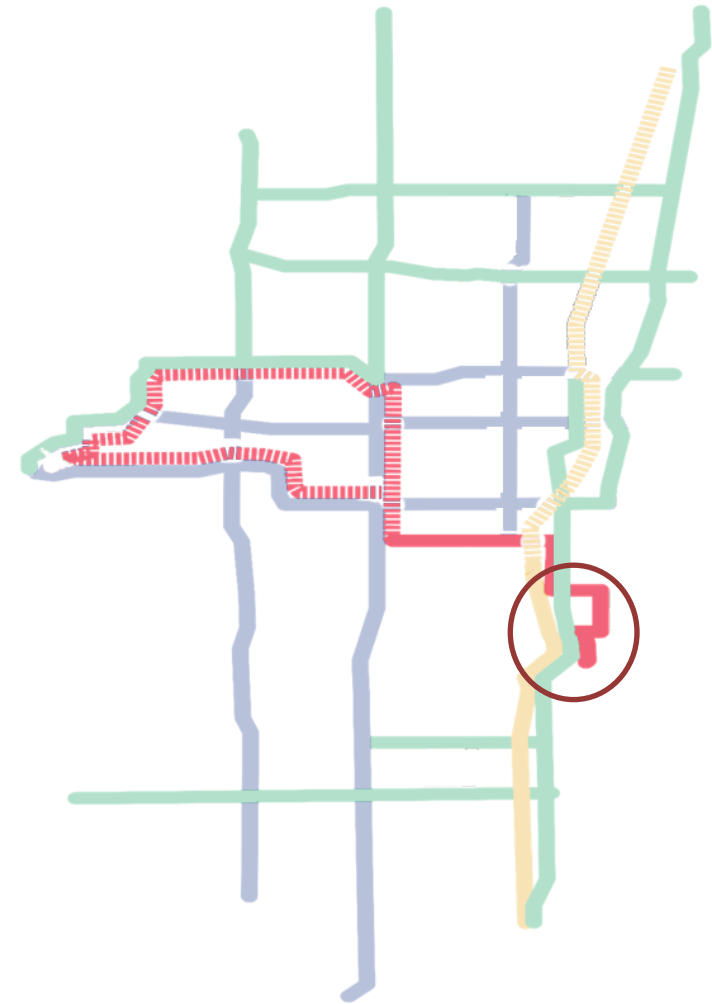
3 PREMO Projects Underway

Airport-Seaport-Convention Center (LRT)

The Airport-Seaport-Convention Center LRT includes 3.5 miles of fixed rail connecting the Fort Lauderdale-Hollywood International Airport, Port Everglades, and Convention Center. The project is at the PD&E procurement phase and some of the milestones completed during this fiscal year includes:

YTD Accomplishments:

- Procuring Consulting Services for the preliminary project delivery and environmental
- Extensive local and national outreach to technical resources
- Anticipated Contract Award Winter 2025



PREMO Industry Days

Business Opportunities

November 15, 2023 | BRT

Project includes more than 76 miles of **Bus Rapid Transit (BRT)** services along six corridors.

- Event attracted more than 150 attendees
- 100 attendees took bus tour beginning at State Road 7/441 and ending at Hollywood Blvd

January 24, 2024 | LRT

Project includes more than 23.3 miles of **Light-Rail Transit (LRT)**.

- Event attracted more than 250 attendees
- 185 attendees took bus tour of routes along Airport, Seaport, new Convention Center, and 441 corridors
- More than 100 industry reps attended the Prime and Sub-prime **Meet and Greet**



Media Coverage



SOUTH FLORIDA SunSentinel

SUNSENTINEL.COM TUESDAY, JUNE 20, 2017 \$4.50

Citizens chooses higher rate hikes

Stronger (8% to 14% increase) than allowed by state law
By the Numbers
The vote to help strengthen Citizen Property Reassessment Corp. in 2017.
The company is now working to bring...



Freedom Day selfie

Freedom Day was celebrated in Broward County on Tuesday, June 19, 2017. A man is seen taking a selfie in front of a bus decorated with 'JUNE 1965 BIRTH' and other graphics.

Broward closing 5 schools

Districts will look for ways to bring back students as it faces low enrollment
By Steve Tracy
Broward County is set to close five schools as it faces low enrollment. The closure will affect about 100 students. Districts are working to bring back students through various programs.

High-speed chase, bump-stop crashes on highway revealed in FHP dash-cam video

3 drivers arrested for possession of stolen vehicle
By Mike Washburn
A high-speed chase on a highway ended in a crash involving a vehicle equipped with a bump stop. Three drivers were arrested. The video shows the vehicle losing control and crashing.



Attorneys argue for release of suspect

Prosecutors using kidnapping charge to hold husband during investigation, defense says
By Mike Washburn
Attorneys are arguing for the release of a suspect held during an investigation. Prosecutors are using a kidnapping charge to keep the suspect in custody.

10 Things You Might Not Know About Nearly Everything contains a plethora of tidbits and trivia that will appeal to everyone, from history buffs to sports fans to foodies. From lighthearted topics such as misspellings and extreme eating, to serious subjects such as WWII and religion, this book leaves readers brimming with useful facts, most below...

Grant Awards



FTA FY2024 LOW-NO GRANT AWARD

Largest discretionary grant awarded in BCT history. BCT secured a \$25 million grant for eco-friendly buses and solar energy projects.



FTA FORMULA FUNDS

Increase of \$10 million in 2024 funding for a total of \$47.7 million.



Awards and Recognitions



ENERGY FOR EVERYONE HERO AWARD

Broward County Transit received the prestigious Energy for Everyone Hero Award from the Propane Education & Research Council (PERC).



NACo AWARDS

- PREMO in Transportation
- IT Transit Bid Quote Proposal



THANK YOU

Coree Cuff Lonergan

CEO/General Manager

Discussion?

Q&A?

Public Works Department Accomplishments

Tony Hui - Deputy Director, Public Works

Richard Tornese – Director, Highway Construction and Engineering

Anh Ton – Director, Highway and Bridge Maintenance



MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation

Public Works Surtax Projects Underway

| Project Phase | Number | Budget |
|--------------------------|------------|----------------------|
| Design Procurement | 41 | \$114,800,000 |
| Design | 47 | \$190,600,000 |
| Construction Procurement | 14 | \$31,000,000 |
| Construction | 29 | \$88,400,000 |
| Total: | 131 | \$424,800,000 |

Key Projects In Construction

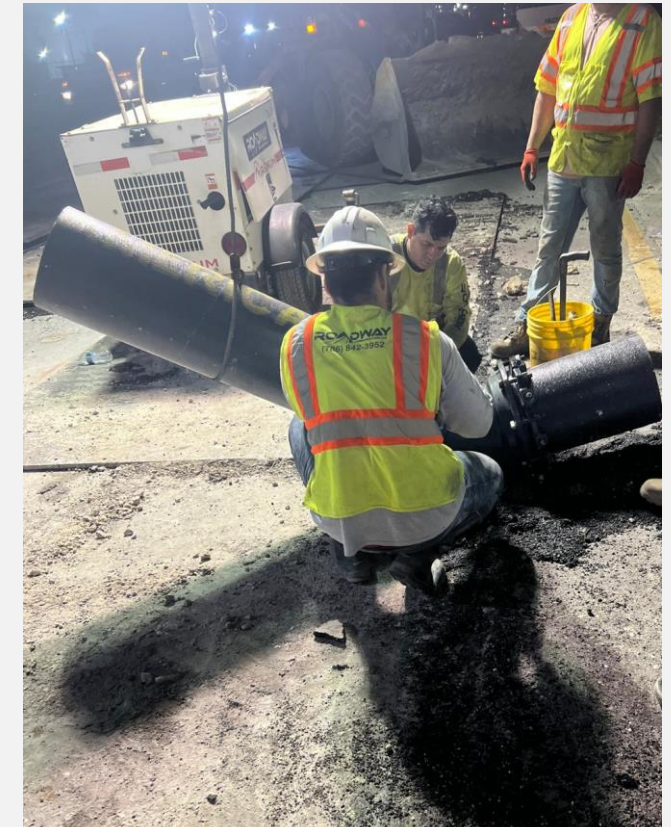
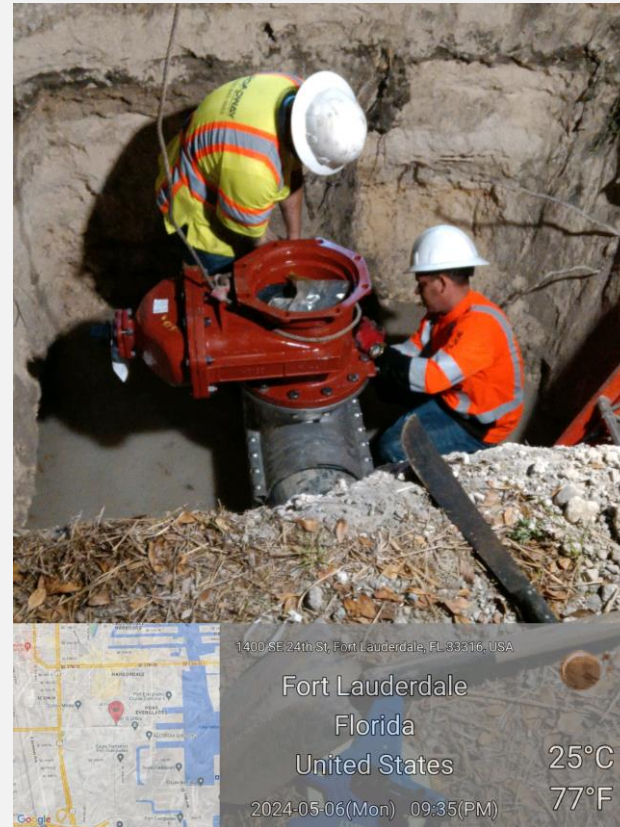
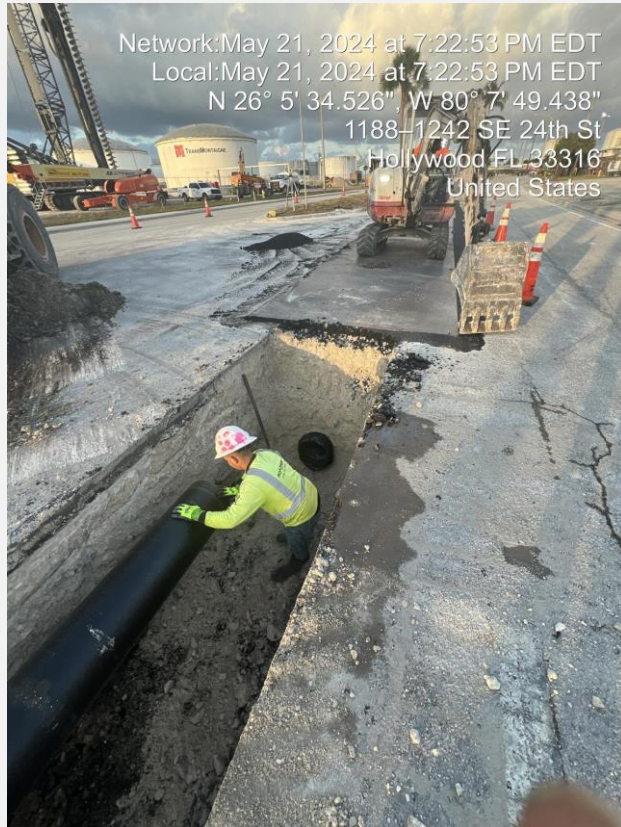
- Port Bypass Road Project
- NW 31 Ave at McNab Rd Intersection Improvement Project
- Road Drainage Projects

Port Bypass Road Underway and On Schedule

- Awarded to Lead Engineering Contractor, Inc.
- Field Construction Started May 1, 2024
- Road Open to Traffic by November 2025

Port Bypass Road Construction

2,000 Feet of 12-inch Water Main Installed



Port Bypass Road Construction (cont.)

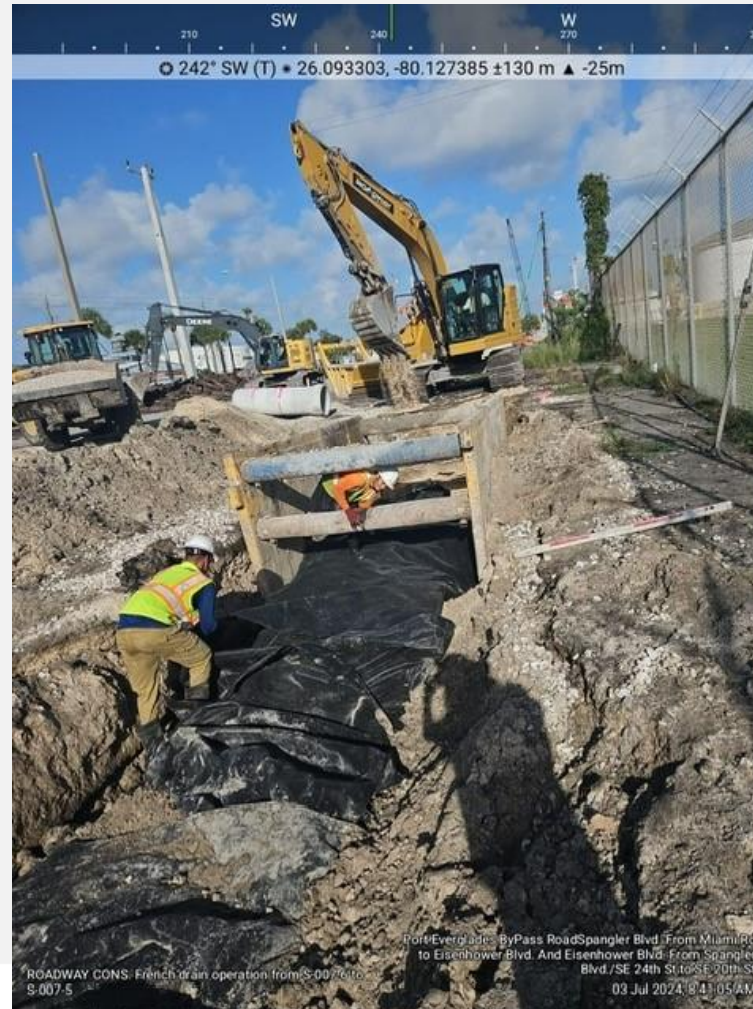


Spangler Blvd Widening



Port Bypass Road Construction (cont.)

Road Drainage



Port Bypass Road Construction (cont.)

Auger Piles – Innovative Use for Bridge Construction

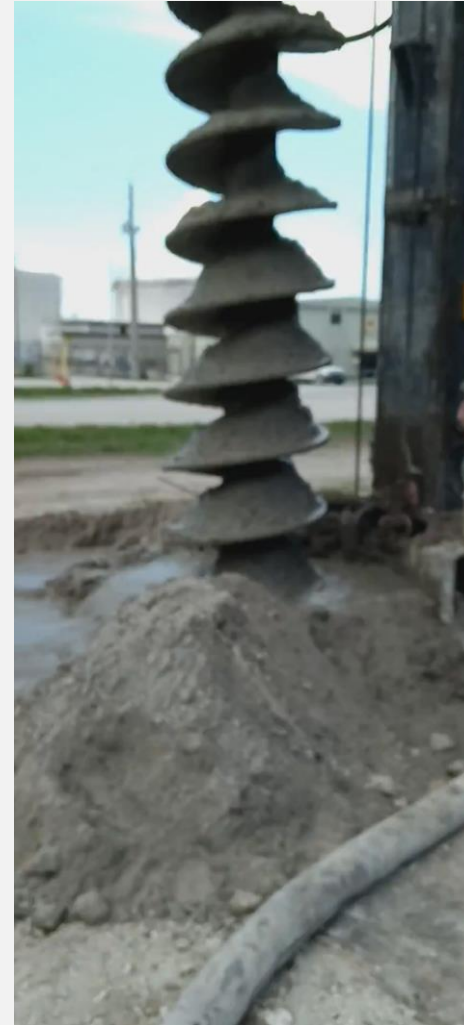


Continuous Flight Auger (CFA)

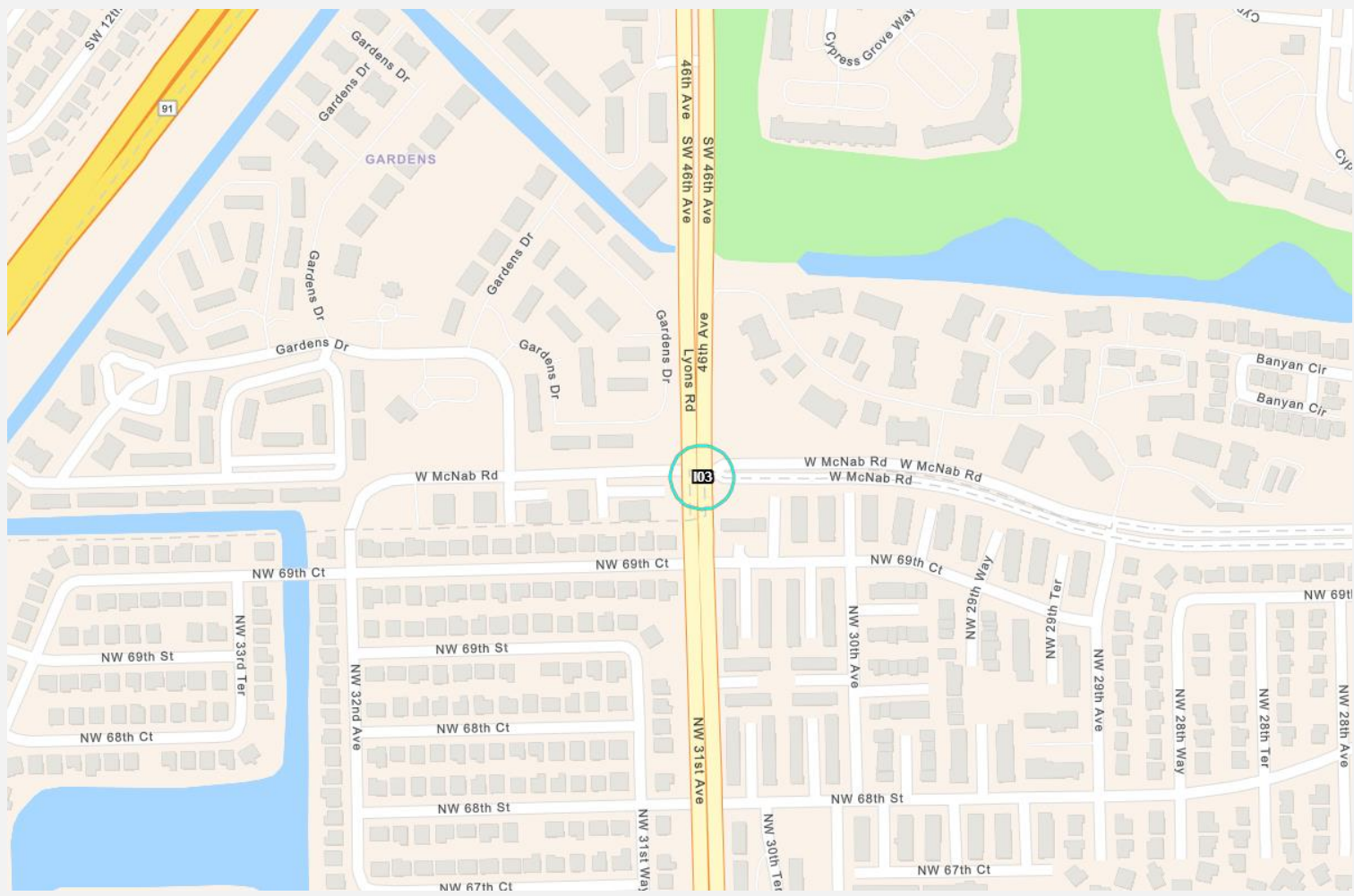
CFA Methodology Video

Port Bypass Road Construction (cont.)

- Over 100 Piles Needed
- Testing Underway



NW 31 Ave at McNab Rd Intersection Improvement



NW 31 Ave at McNab Rd – Traffic Flow

Additional West-Bound (Dual) Left-Turn Lane



Additional South-Bound (Third) Left-Turn Lane



NW 31 Ave at McNab Rd – Multi-Modal

Sidewalk on McNab Road



Bike Lane Connection



NW 31 Ave at McNab Rd – Safety

Lower Speed Limit



Lighting Improvement



NW 31 Ave at McNab Rd – Resiliency

Mast Arm Conversion



NW 31 Ave at McNab Rd – Drainage and Resurfacing

Drainage improvements



Resurfacing



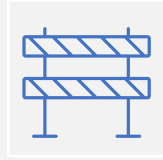


Road Drainage Challenges

Road Drainage Needs Have Changed



No Major Drainage Issue in BMSD Until Recently.



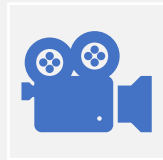
Original Plan - Improve Permeability of Existing Swales, Cleaning, and/or Isolated Repairs.



Drainage Volume Significantly Increased.



Accelerated Deteriorating Condition of Existing Facilities.



Video Inspection Critical to Determine Needs.



Improvements – Urgent and Critical.



Road Drainage Needs Have Changed (cont.)



1 in 1,000-Year Rain Event Impact on Broward

The rainiest day in Fort Lauderdale's history sparks severe flooding and emergency rescues as roads are submerged in 26 inches of water.

Apr. 12-14, 2023

Afternoon rainfall to delay Broward's recovery from '1-in-1,000-year' flood event

Nov. 14-16, 2023

Jun. 12-13, 2024

DeSantis declares state of emergency as more than 25 inches of rain slam South Florida

Jun. 12, 2024

Jun. 13, 2024

South Florida storm dumps more than a foot of rain

BREAKING: Flooding shuts down I-95 southbound in Broward County ahead of rush hour

Wednesday's rain deluge was a "1-in-1,000 chance" event, as flood watch remains in effect until 8 p.m. Thursday

Apr 13, 2023 Updated Apr 13, 2023

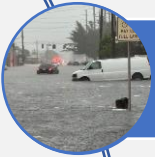
Sources:

1. WSVN. April 13, 2023. <https://wsvn.com/news/local/broward/the-rainiest-day-in-fort-lauderdales-history-sparks-severe-flooding-and-emergency-rescues-as-roads-are-submerged/>
2. Reuters. November 16, 2023. <https://www.reuters.com/world/us/south-florida-storm-dumps-more-than-foot-rain-2023-11-16/>
3. WPLG Local 10 News. April 14, 2023. <https://www.local10.com/news/local/2023/04/14/broward-expects-more-afternoon-rain-amid-recovery-from-1-in-1000-year-flood/#:~:text=FORT%20LAUDERDALE%2C%20Fla.,1%2C000%2Dyear%E2%80%9D%20flood%20event>
4. ABC News. June 13, 2024. <https://abcnews.go.com/US/southern-florida-flooding-rain/story?id=111074789>
5. Palm Beach Post. June 12, 2024. <https://www.palmbeachpost.com/story/news/local/2024/06/12/i-95-shut-down-in-broward-county-because-of-flooding/74074701007/>

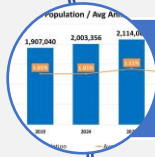
Factors Impacting Storm Drainage



Sea levels projected to rise 10 to 17 inches by 2040.



Climate change predicted to cause about 13% more rain for a “1-in-1,000” year storm by mid-century.



Broward County’s population expected to grow by more than 235,000 new residents by 2040.

| City | Population | Households |
|-----------------|------------|------------|
| Fort Lauderdale | 178,842 | 74,171 |
| Pembroke Pines | 152,537 | 57,855 |
| Fort Lauderdale | 144,431 | 59,405 |
| Coral Springs | 131,189 | 55,727 |
| Miramar | 128,425 | 49,072 |
| Pompano Beach | 102,931 | 44,177 |
| Davie | 90,842 | 33,174 |
| Deerfield Beach | 80,352 | 27,777 |
| Weston | 87,144 | 31,144 |
| Hollywood | 75,004 | 27,004 |

Eastern coastal areas/urban cities expected to see majority of growth.



Aging and insufficient pipe capacity, blockage, and tree roots impact drain efficiency.

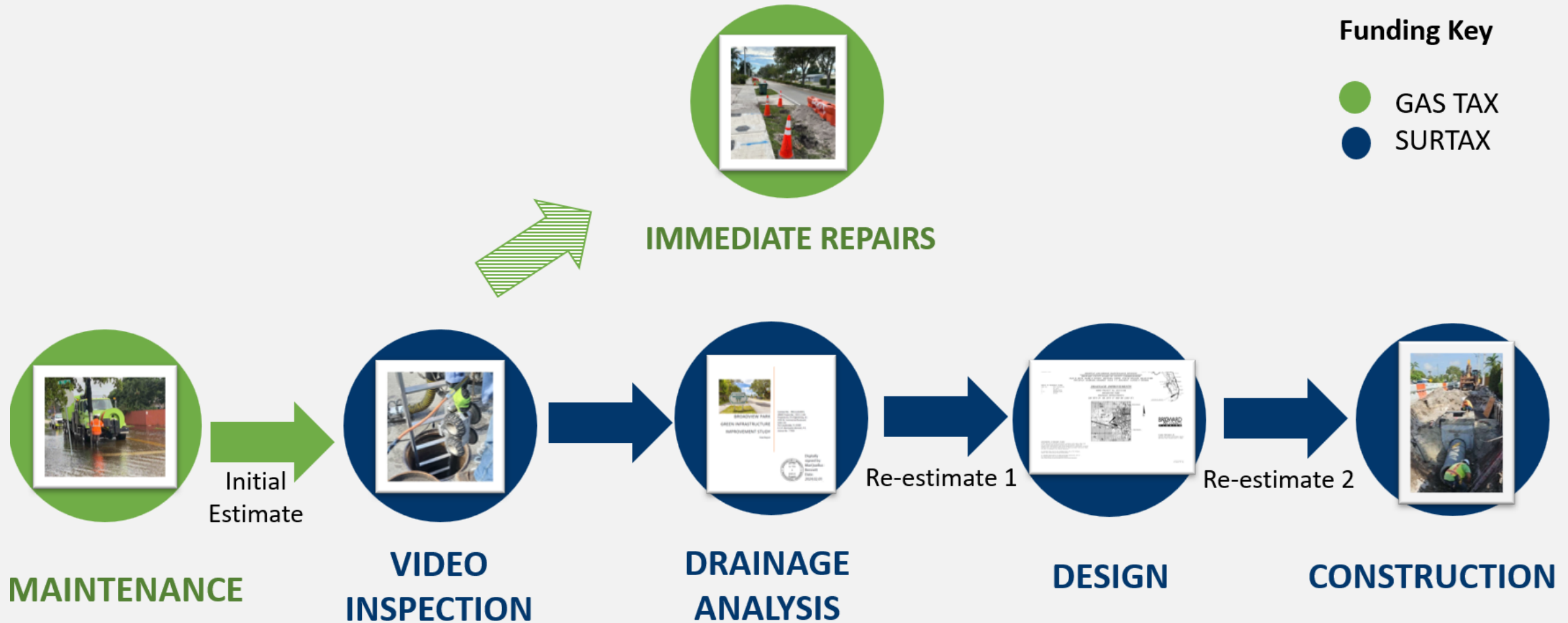


38.7% of properties in Broward County at risk of flooding in 30 years.

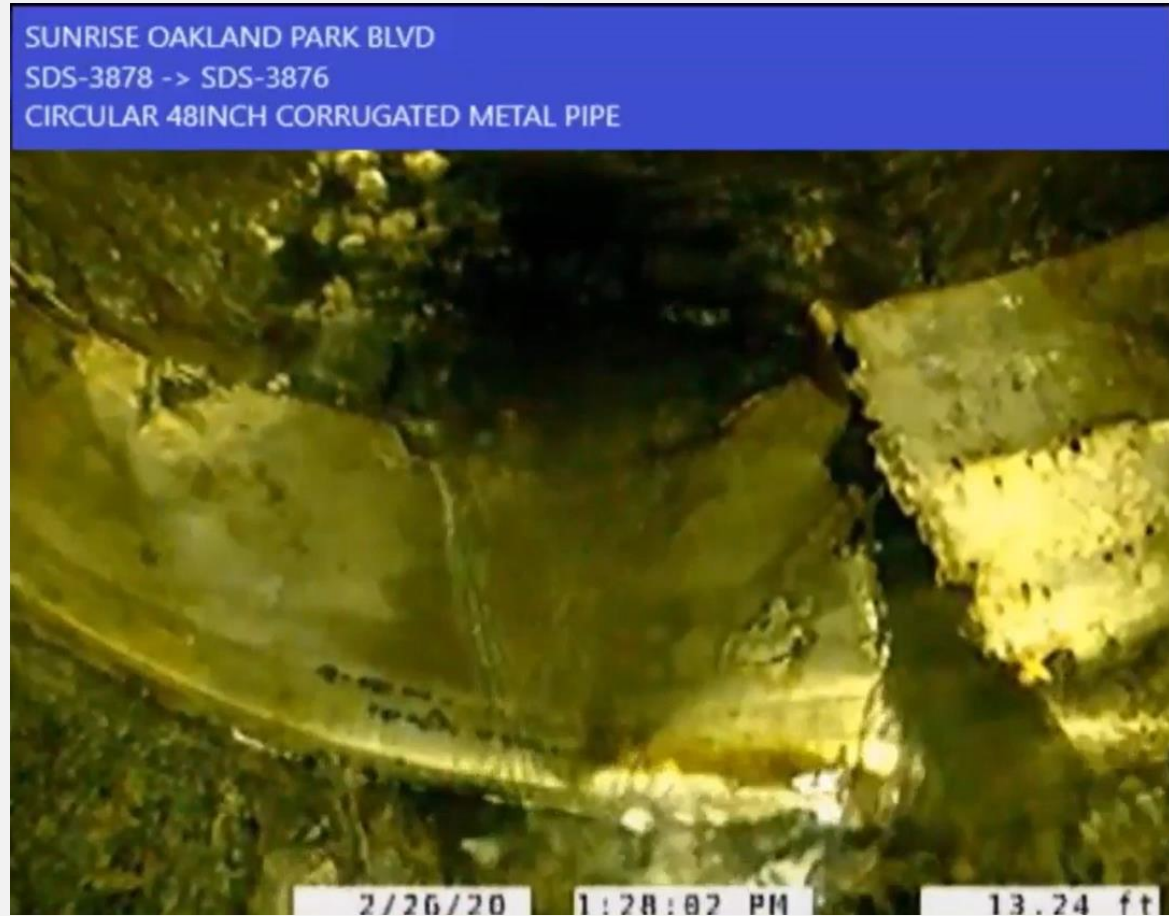
Sources:

1. South FL Regional Climate Compact. Unified Sea Level Rise Projection, 2019.
https://southeastfloridaclimatecompact.org/wp-content/uploads/2020/04/Sea-Level-Rise-Projection-Guidance-Report_FINAL_02212020.pdf
2. WLRN. April 17, 2023.
<https://www.wlrn.org/environment/2023-04-17/climate-change-could-make-freak-events-like-fort-lauderdales-rain-bomb-more-common>
3. Massachusetts Institute of Technology. Case Study.
<https://case-study.mit.edu/florida-10.php>
4. Broward County Urban Planning and Redevelopment Department, Planning Services Division.
<https://daniabeachfl.gov/DocumentCenter/View/931/Broward-by-the-Numbers>
5. First Street. Broward County Flood Risk Ranking and Trends.
https://firststreet.org/county/broward-county-fl/12011_fsid/flood?from=riskfactor.com

Current Improvement Process



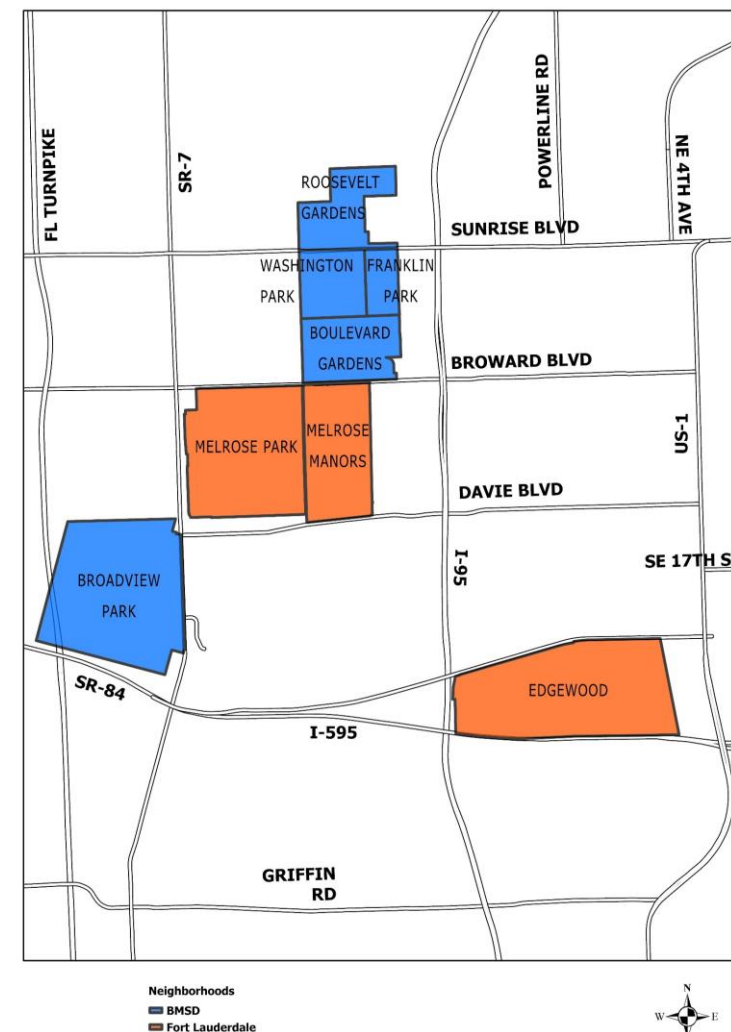
Road Drainage Needs Have Changed



Click photo to play

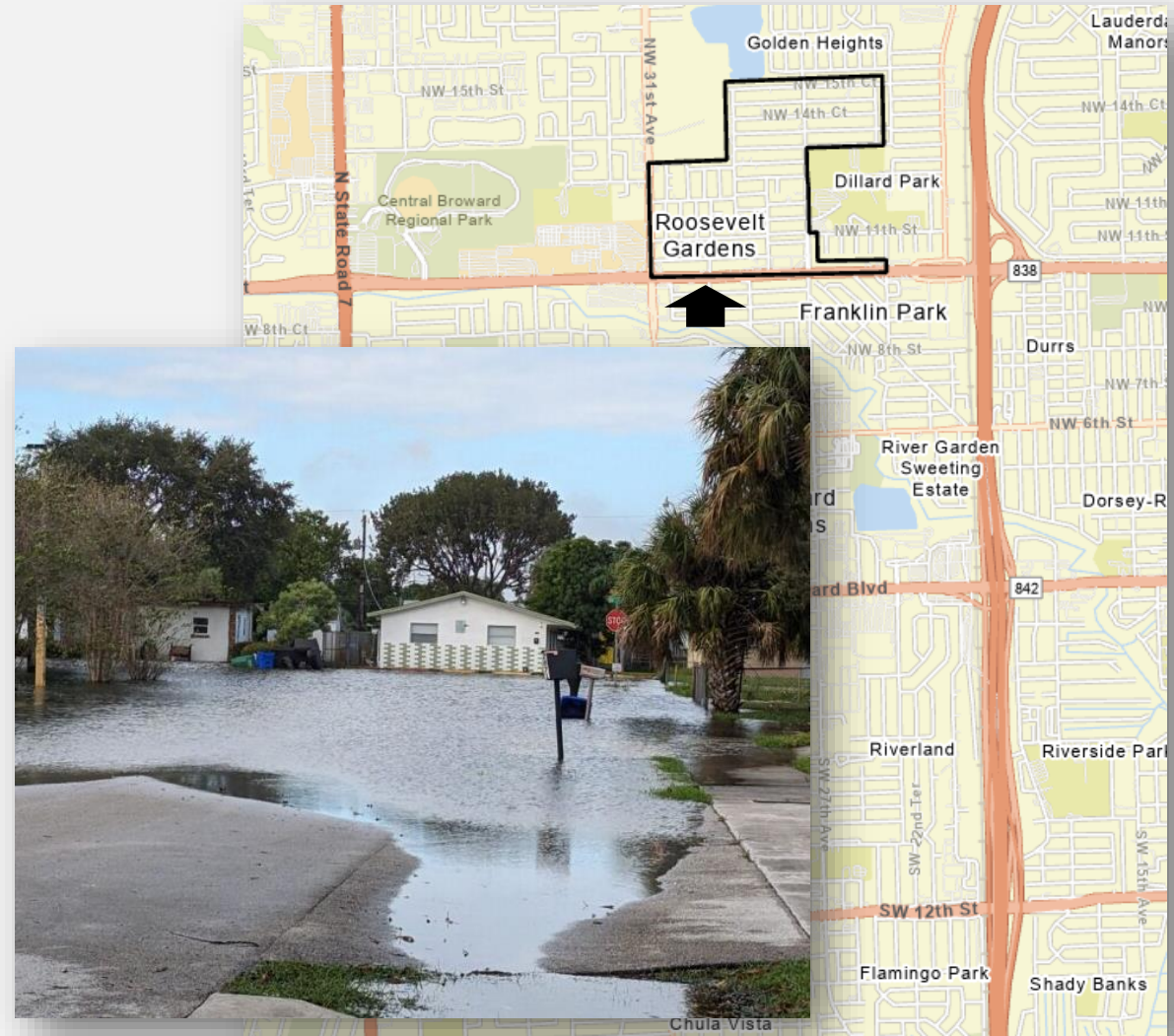
Multiple Road Drainage Projects Underway

- Broward Municipal Service District
 - Boulevard Gardens (Resilient Florida Grant)
 - Broadview Park (FDOC Grant)
 - Franklin Park
 - Roosevelt Gardens (Grant Not Awarded)
 - Washington Park (Grant Not Awarded)
- County Roads
 - NE 6th Ave.
 - NW 21 Ave./NW 23 Ave.
 - NW 19 St.
 - Andrews Ave.



Roosevelt Gardens Is a Good Example

- Repurposed \$2.8 million in FY24 from L03 and L07.
- Starting in late 2023, pipes were cleaned, debris and blockage removed, and damaged pipe segments were replaced.
- Improvements also resulted in permeable sidewalk, restoring 49,588 ft. of swale and updating raingardens/bio-detention areas.



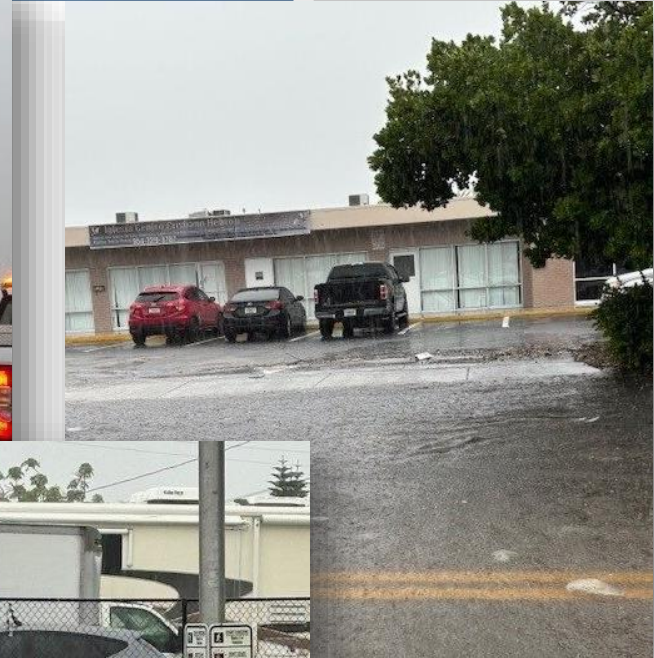
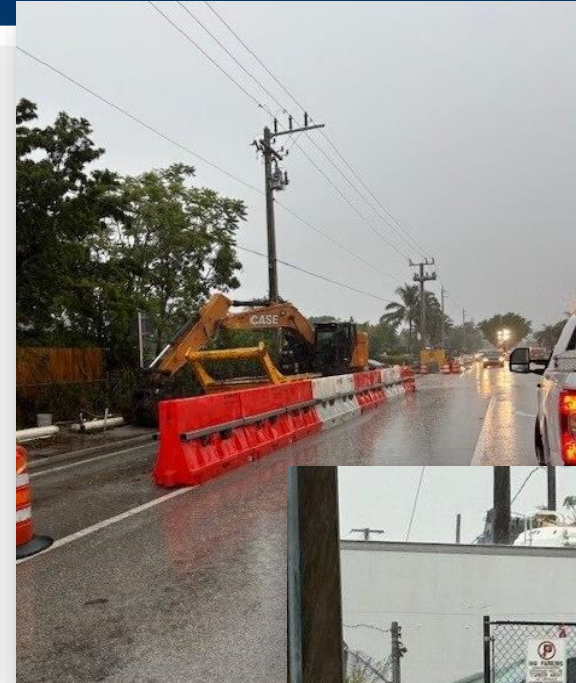
Roosevelt Gardens Drainage

Existing drainage facilities are not sufficient for the community. Current improvements still will not address complete flooding risk. Neighborhood is adjacent to other Ft. Lauderdale communities prone to flooding.

Needs:

\$1 million is needed for comprehensive study and preliminary design to address increasing drainage volume.

Additional construction funding will be required in the future.

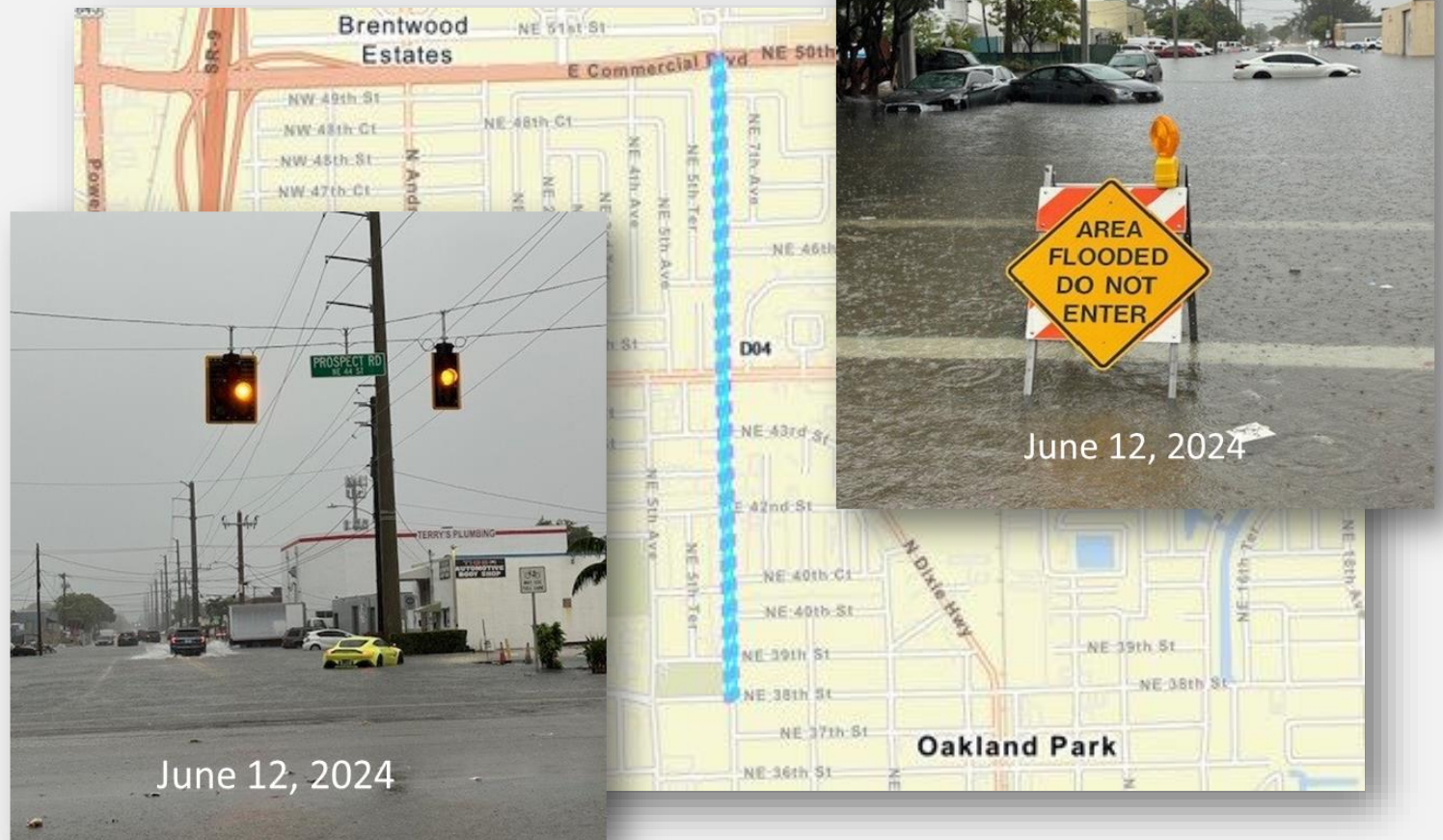


NE 6th Avenue Drainage Improvements

Recent flooding continues to impact neighborhood roads.

Replaced aging drainage pipes and installed new drainage system. Regraded swale areas within the project limits to improve permeability and minimize flooding.

Construction Budget:
\$3.2 million



NE 6th Avenue Drainage Improvements

Phase 1: NE 46th Court to Commercial Blvd.

- Construction Started - 2/2024

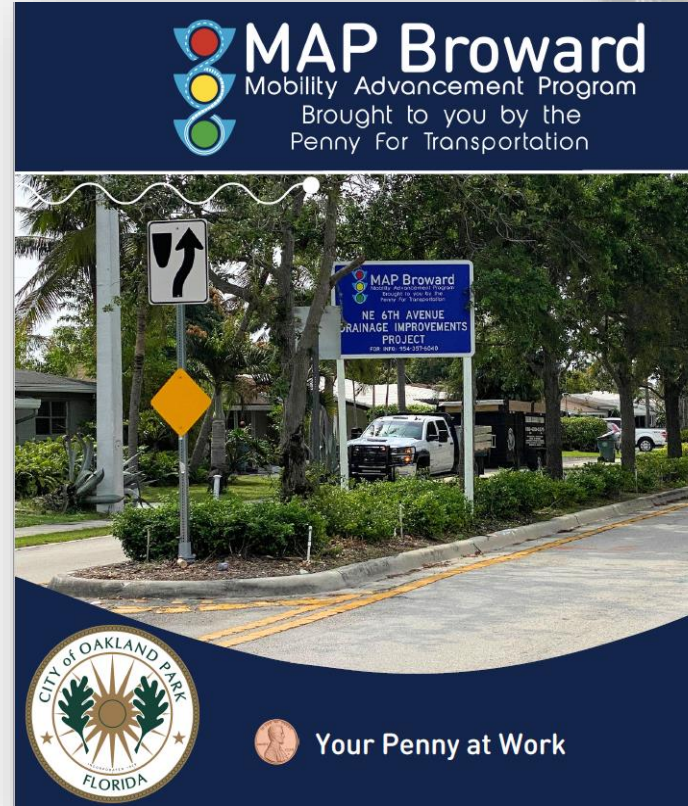
Phase 2: NE 38 Street to NE 46 Court

- Construction Start - 10/2024

Video inspection revealed that 100% of existing french drain needs replacement and upsizing. Estimated cost - \$4.5 M.

Needs:

Include drainage improvements and ADA compliant sidewalk.



Public Works Projects Completed in FY24

| Map ID | Description | Location |
|--------|--------------------------------|--------------------------------------|
| F04 | Fiber Optic Network | McNab Rd from Pine Island Rd to SR-7 |
| I02 | Intersection Improvement | Nob Hill Road at Southgate Blvd |
| I03 | Intersection Improvement | NW 31 Ave / Lyons Rd at McNab Rd |
| M09 | Mast Arm Conversion | NW 31 Ave at NW 19 St |
| M21 | Mast Arm Conversion | Coconut Creek Pkwy at Banks Rd |
| S101 | Drainage Rehab & New Sidewalks | NE 56 St from NE 18 Ave to NE 22 Ave |

Public Works Projects Completed in FY24

F04 McNab Road Fiber Optics from Pine Island Road to SR-7

Network: Nov 3, 2023 at 1:29:39 PM EDT
Local: Nov 3, 2023 at 1:29:39 PM EDT
N 26° 12' 30.435", W 80° 14' 11.851"
8101-8129 W McNab Rd
North Lauderdale FL 33068
United States



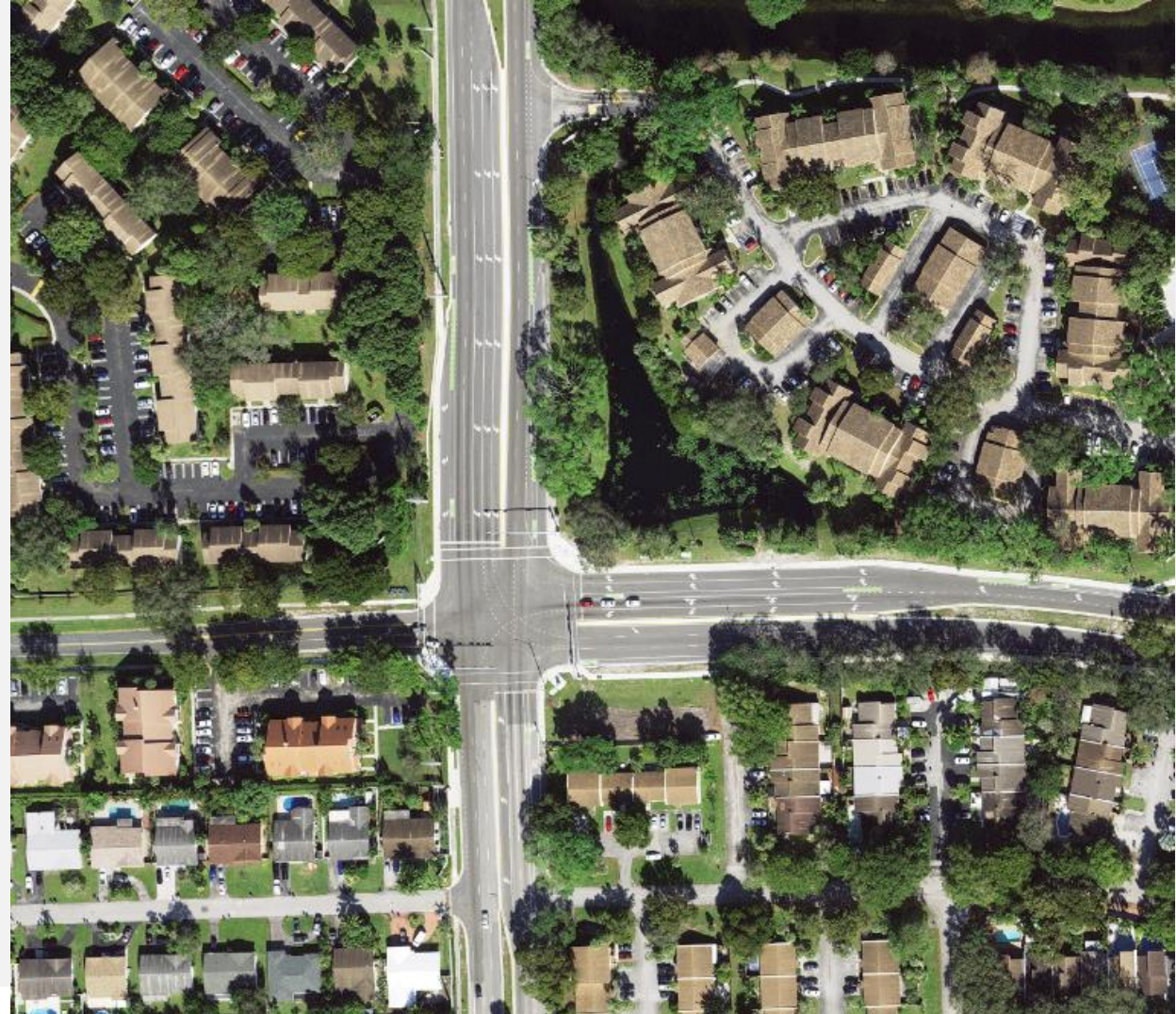
Public Works Projects Completed in FY24

102 - Nob Hill Road At Southgate Boulevard Intersection Improvement



Public Works Projects Completed in FY24

I03 NW 31 Avenue At McNab Road Intersection Improvement



Public Works Projects Completed in FY24

Traffic Signal Mast Arm Conversion

- M09 NW 31 Avenue at NW 19 Street
- M21 Coconut Creek Parkway at Banks Road



Public Works Projects Completed in FY24

S101 NE 56 Street Drainage
Rehab & New Sidewalks
from NE 18 Ave to NE 22 Ave



Discussion?
Q&A?

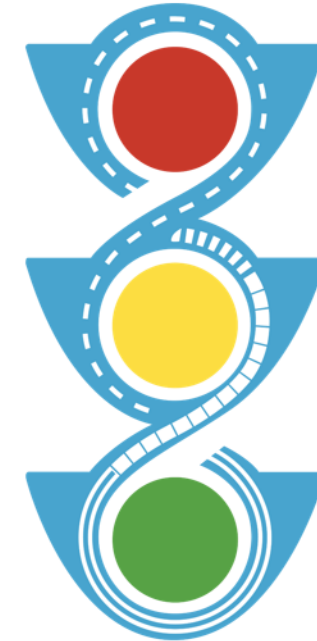
Let's Take a Break
10 minutes



Office of Economic & Small Business Development

Accomplishments

**Nichole Francis,
Small Business Development Specialist**



MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation

MAP Broward Small Business Highlights

CBE Projects REVIEWED* as of 6/30/2024

| COUNTY Projects Reviewed* | MUNICIPAL Projects Reviewed* |
|---|---|
| 101 Projects | 131 Projects |
| \$780,434,466 Total Estimate of Projects | \$150,625,045 Total Estimate of Projects |
| 28% Average CBE Project Goal | 33% Average CBE Project Goal |
| \$351 M – Total CBE Projected Amount | |

*Inclusive of all County Business Enterprise (CBE) Activity from March 2019 – June 2024

MAP Broward Small Business Highlights (cont.)

CBE Projects AWARDED* as of 6/30/2024

| Project Highlights | COUNTY | MUNICIPAL |
|-------------------------------|---------------|--------------|
| Projected Amount to CBE Firms | \$86,885,121 | \$39,910,507 |
| Awarded to Contractors | 46 | 43 |
| Total Amount Awarded | \$321,616,326 | \$69,260,555 |
| Average CBE Commitment | 33% | 40% |

**Inclusive of all County Business Enterprise (CBE) Activity from March 2019 – June 2024*

IMPACT - CBEs on MAP Broward Projects



Alejandro R. Montenegro, P.E.
President/CEO
GCES Engineering Services, LLC.

Turning Experience Into Profit

Alejandro Montenegro started his geotechnical engineering company, GCES Engineering Services, LLC., in 2012. With 30 years of experience in the engineering space, having taught as an adjunct professor and worked in both the private and government sector, Alejandro saw an opportunity to create a business in his field and has cultivated this success for 10 years.

After becoming CBE (County Business Enterprise) certified with Broward County, GCES Engineering Services gained visibility and has now participated on several Broward County projects. Due to his experience in the engineering field and presence in the CBE directory, Alejandro landed a contract providing geotechnical engineering services and load testing for the proposed design foundation for the new JetBlue terminal on the Fort Lauderdale–Hollywood International Airport. GCES Engineering Services also provides geotechnical engineering services and quality control testing on a **MAP (Mobility Advancement Program) project with Broward County.**

In the next five years, Alejandro plans on expanding his business and is confident that the CBE Program will help him to get there.

IMPACT - CBEs on MAP Broward Projects



Soheila Sadough

**President / Senior Structures
Engineer**

ASA Consultants, Inc.

When Opportunity Knocks

Soheila Sadough had worked for over 20 years as an engineer before her employer decided to close their office in the United States. At the time, Soheila had been working on that company's contract with the Department of Transportation before she was offered the opportunity of a lifetime to start her own business in order to continue working on the project. In 2015, Soheila formed ASA Consultants, Inc. As president and senior structural engineer for ASA Consultants and given Soheila's stellar performance with previous employers, Soheila was called upon to perform as a subconsultant on various projects.

By 2016, ASA Consultants had become CBE certified as a County Business Enterprise in Broward County. Currently, Soheila's company has 5-6 projects with Broward County **including a MAP Broward (Mobility Advancement Program) funded project.**

IMPACT - CBEs on MAP Broward Projects



Ossie Larrazabal
Principal / Sr. Project Engineer
Solid Consulting Engineers, Inc.

Research Produces Results

After college, Osvaldo Larrazabal worked his way up from a bridge designer to management for an engineering firm. He learned the ins and outs of the industry and the importance of having a stellar reputation. By 2014, Osvaldo had started his own company becoming the Principal / Sr. Project Engineer at Solid Consulting Engineers, Inc. In 2017, after researching Broward County certifications that would benefit his business, Osvaldo got certified as a CBE (County Business Enterprise).

His company has 22 employees now. Currently, Solid Consulting Engineers provide Construction Engineering Inspection (CEI) services on 3 Broward County projects including 1 **project that is funded by the Mobility Advancement Program (MAP Broward)**. Osvaldo landed the MAP Broward opportunity after researching upcoming MAP Broward projects and attending events where he connected with project managers.

2024 BROWARD & BEYOND BUSINESS CONFERENCE

May 3, 2024
Broward
County
Convention
Center



CONFERENCE HIGHLIGHTS AT-A-GLANCE

Theme: Mindset ■ Methods ■ Make It Happen!
#BBBC2024

- **984 Attendees**
 - 23 States Represented Including Washington D.C.
 - 14 Countries Represented
- **14 Workshops & Activities**
 - Over 30 Panelists & Moderators
- **5,595,427 Media Impressions**
(Estimated: Digital/Print, Radio/Streaming, Television, and Bus Ads)
- **1,049,055 Audience Distribution**
- **54 Exhibitors**
- **15 Sponsors**



Opening Plenary Sponsor – MAP Broward

MAP Broward Project Opportunities Event



**Upcoming MAP Broward
Project Opportunities Event
Monday, July 15, 2024**



Margate Catharine Young Branch Library

- 132 Attendees
- Broward County Presenters
 - Public Works
 - Transportation
- Municipal Presenters
 - Fort Lauderdale
 - Miramar
 - North Lauderdale
 - Weston

Thank You

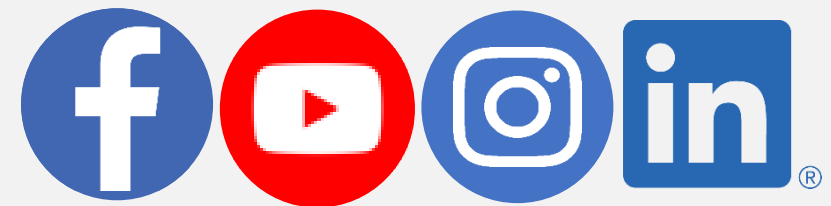
Office of Economic and Small Business Development
115 S. Andrews Avenue, Room A-680
Fort Lauderdale, FL 33301
954-357-6400 | Broward.org/EconDev



MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation



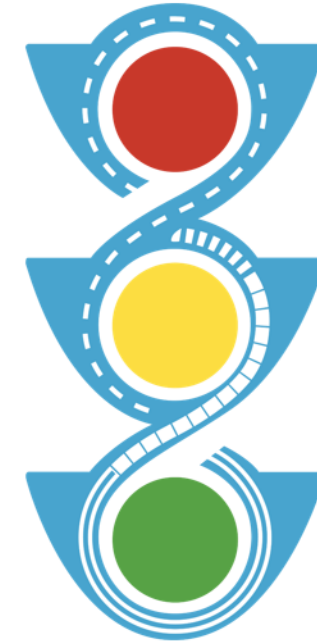
@BCOESBD



@BrowardCountyOESBD

Office of the
County Attorney
Surtax Legal

FY2024
Accomplishments



MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation

SURTAX LEGAL

TRANSPORTATION SURTAX PROJECTS

Our Office worked closely with staff and coordinated with the Broward Metropolitan Planning Organization (MPO) regarding the municipal capital project review, ranking, and recommendation process. During fiscal year 2023, our Office prepared a significant number of project-specific funding agreements and amendments for municipal capital projects and rehabilitation and maintenance projects. Our Office also provides continuing counsel and training to the Independent Transportation Surtax Oversight Board and has also been involved with the process of drafting a proposed comprehensive amendment to the interlocal agreement with participating municipalities, which we expect to dramatically reduce review time and expedite project commencement. Ongoing discussions with County and municipal senior staff regarding this proposed amendment are ongoing.

GENERAL TRANSPORTATION TRANSACTIONAL MATTERS

Our Office aided in the solicitation and negotiated and drafted agreements and other documents for a number of transportation projects, including:

- Broward County Transportation Department (BCT) Electrification Program
- Community Shuttle Program Maintenance and Operations Cooperative Agreement
- Near-Miss Traffic Incident Identification System Pilot Study
- Sheridan Street Bridge over Turnpike
- Transit Infrastructure
- Transportation Surtax Plan Capital Projects Program Management
- US-1 Adaptive Traffic Control Systems and Fiber Optic Network

Nathaniel Klitsberg
Transportation Surtax General Counsel

In addition to the projects mentioned we are also working on:

- **Short-Term Smart Camera Non-Motorized Counts Project**

This is an innovative non-motorized data collection study utilizing video detection with artificial Intelligence (AI) tools. This project involves a partnership between Broward County, FDOT's Transportation and Data Analytics Office, and other local partners. Our Office is assisting to contract Consultant Services to assist the Mobility Advancement Program's Administration with fulfilling data collection requirements for the Low-Stress Multimodal Mobility Transportation System Master Plan. Phase 1 of the project includes site selection, data collection, data analysis, and reporting.

- **Low Stress Multimodal Mobility Transportation System Master Plan**

The Broward County Low Stress Multimodal Mobility Transportation System Master Plan is a countywide master planning effort, including data collection and analysis; planning; resiliency; feasibility; and conceptual design(s) to integrate bicycling, walking, and use of personal conveyance devices safely into the transportation system. Surtax funding for this master planning project was recently approved, and our Office worked with MAP Administration to amend the Consulting Agreement to provide for additional services associated with the project.

Office of the County Attorney

Besides the assistance we provide to MAP Administration and the Oversight Board, our Office continues to provide legal guidance regarding federal and state statutory, regulatory, and grant compliance to the Transportation Department and the Highway Construction and Engineering and Highway Bridge Maintenance Divisions of the Public Works Department. We participate in the procurement process and drafted dozens of agreements and work authorizations between the County and prime consultants, design/build firms, contractors, and other governmental entities such as the State of Florida to deliver various projects.

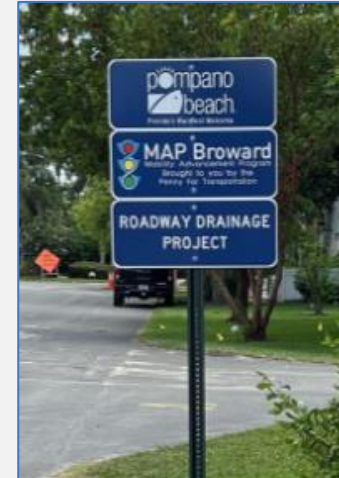
Municipal Surtax Program Highlights (FYs 2020-2024)



MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation

Municipal Surtax Program Highlights (FYs 2020-2024)

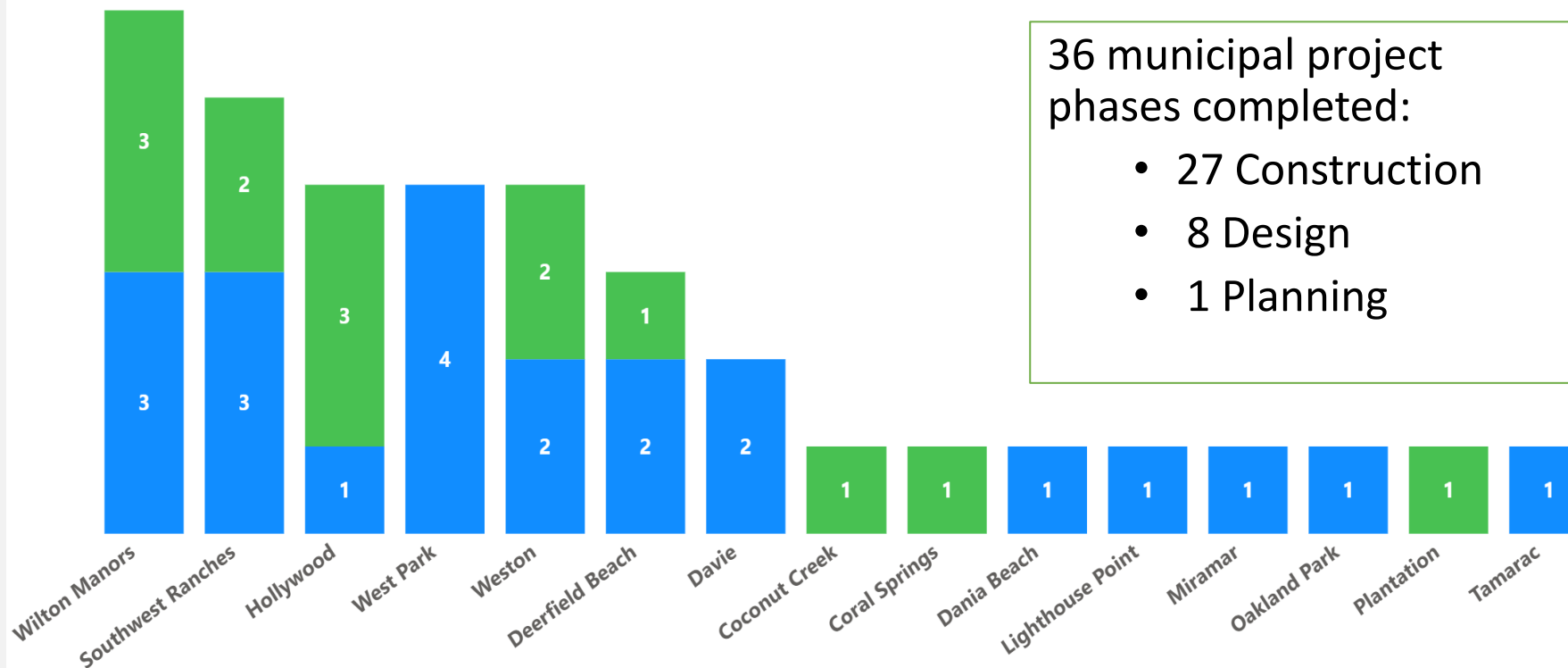
- Approximately \$320M appropriated for municipalities (projects + community shuttle program)
 - 117 municipal capital projects (MCPs) & rehabilitation and maintenance projects (R&Ms) have been awarded and approved (funding appropriated), including “bundles” of 2 or more projects into a single project
 - 86 municipal Project Funding Agreements (PFAs) have been executed
 - 24 R&Ms awarded; 14 projects completed, and 10 projects are under active agreement
 - 62 MCPs awarded; 13 construction projects completed, 9 project *phases* completed, and 40 projects are under active agreement
- Over \$45.2M of leverage (non-surtax funding) has been brought to surtax-funded projects by municipalities (as of 6/30)



Municipal Surtax Project Accomplishments

Municipal Project Phases Completed (as of 6/30/24)

Project Type ● MCP ● R&M



36 municipal project phases completed:

- 27 Construction
- 8 Design
- 1 Planning



MCP: Municipal Capital Projects
 R&M: Municipal Rehabilitation and Maintenance Projects

Municipal Surtax Project Updates – MCP and R&M*

\$106M Total Funding for Executed Agreements

- 50 projects underway
 - MCPs: 40 Agreements totaling \$59M
 - Phases: 5 planning, 20 design and 15 construction
 - R&M: 10 Agreements totaling \$16M (All construction)
- 36 Completed Projects
 - 22 MCPs \$13M: 13 Construction, 8 Design, 1 Planning
 - 14 R&Ms \$18M (Construction only)

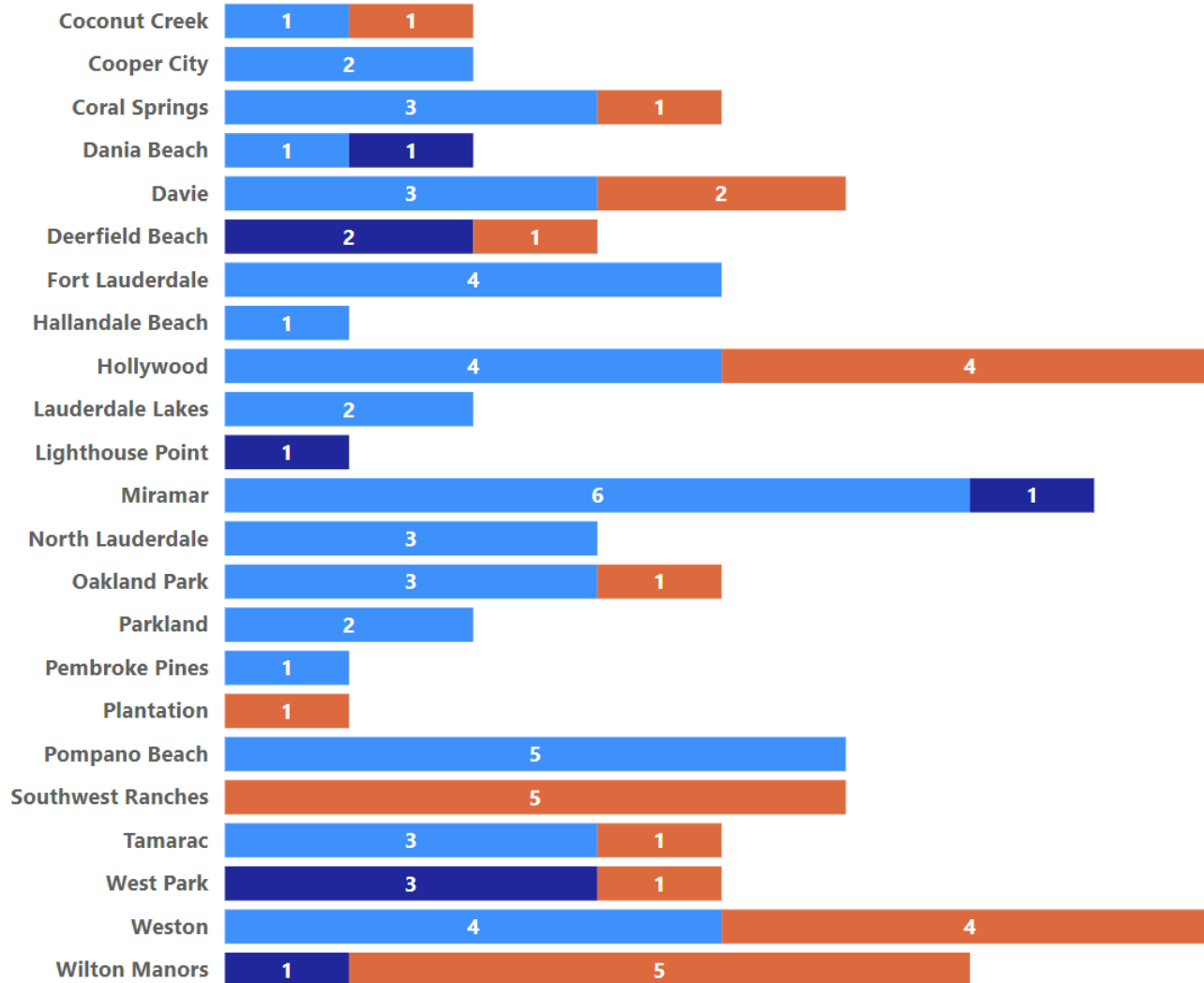
\$61.5M Total Payments (through 6/30/24)

- MCPs: \$41.9M paid
- R&M: \$19.6M paid

*MCP: Municipal Capital Projects
R&M: Municipal Rehabilitation and Maintenance Projects*

**Amounts rounded, as of June 30, 2024*

Municipal Surtax Project Updates (cont.)



Number of Projects by Municipality (Completed and under Agreement)



Municipal Surtax Grantee Scorecard – Q3 FY2024

- As Contract Administrator of grant contracts between Broward County and participating municipalities receiving surtax funds for recommended and approved projects, MAP Administration is responsible for grant contract compliance
- MAP Administration maintains a *Municipal Scorecard (see table to the right)*
 - Also provided to MPO annually; utilized as a secondary evaluation and ranking criteria for Municipal Capital Projects (MCPs) per the 2nd Amendment to and Restatement of the Transportation System Surtax Interlocal Agreement (2nd Amendment)
- Municipal score is based on:
 - Criteria outlined in the Section IV.B.2(b)ix of the 2nd Amendment
 - Ratio of projects under agreement to total awarded projects with appropriated funding
 - Timely, complete reporting (for projects under agreement)
- Each municipality starts with an automatic score of 8 and may receive up to 10 total points

| Surtax Municipal Projects Performance Scorecard | |
|---|---------------------------|
| Updates as of June 30, 2024 | |
| Municipality | Total (Maximum 10 pts) |
| Coconut Creek | 9.5 |
| Cooper City | 8.5 |
| Coral Springs | 9.6 |
| Dania Beach | 9.3 |
| Davie | 9.6 |
| Deerfield Beach | 9.5 |
| Fort Lauderdale | 8.4 |
| Hallandale Beach | 8.4 |
| Hillsboro Beach | 8.0 |
| Hollywood | 9.7 |
| Lauderdale-by-the-Sea | 8.0 |
| Lauderdale Lakes | 8.4 |
| Lauderhill | 8.0 |
| Lighthouse Point | 9.3 |
| Margate | 8.3 |
| Miramar | 9.1 |
| North Lauderdale | 7.9 |
| Oakland Park | 9.1 |
| Parkland | 8.5 |
| Pembroke Park | 8.0 |
| Pembroke Pines | 8.5 |
| Plantation | 9.9 |
| Pompano Beach | 9.7 |
| Southwest Ranches | 9.6 |
| Sunrise | 8.3 |
| Tamarac | 9.7 |
| West Park | 9.0 |
| Weston | 9.8 |
| Wilton Manors | 9.7 |

Resilient Environment Department, Innovations Unit

3D Animated Video
Explaining Surtax-Funded Congestion
Management Investments



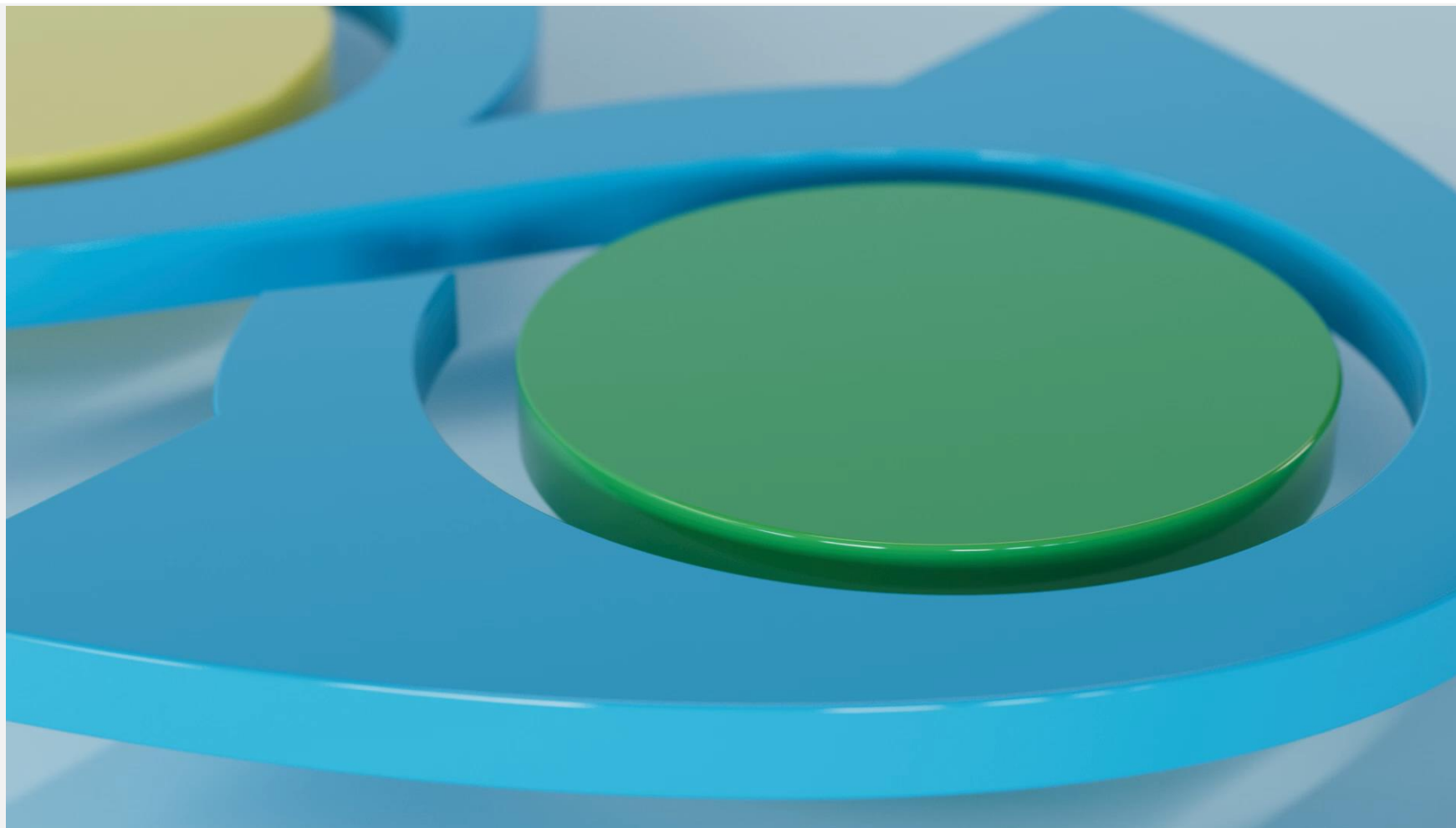
MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation

3D Animated MAP Broward Video – Awards Received

- Non-surtax resources were dedicated to develop this 3D animated public educational video, which has recently been nationally recognized by:
 - **National Association of County Information Officers** – 2024 **Best of Category**, Audiovisual Medium Length Video
 - **National Association of Counties** – 2024 Achievement Award, Civic Education and Public Information Category
- This video will be used for outreach to explain how innovative traffic technology works to the public and stakeholders!
- Special Acknowledgements
 - **Michael Trujillo**, 3D Artist/Analyst
 - **Philip McChesney**, Division Director, Innovation Officer – Resilient Environment Dept.
 - **Lenny Vialpando**, Director – Resilient Environment Dept.
 - **Scott Brunner**, Former Director – Traffic Engineering Division



3D Animated Public Educational Video



**Transportation Surtax
Oversight Board
Civic Education and Public
Information**

2024

**National Association of
Counties**

Achievement Award



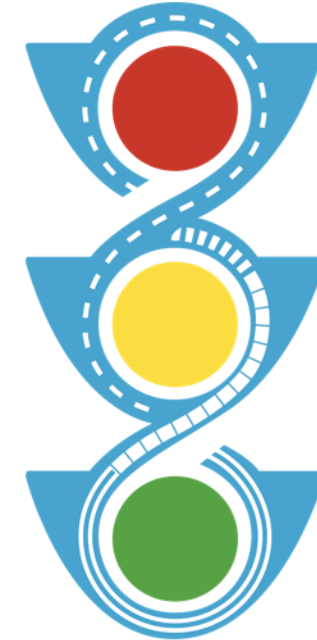
MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation

LUNCH BREAK



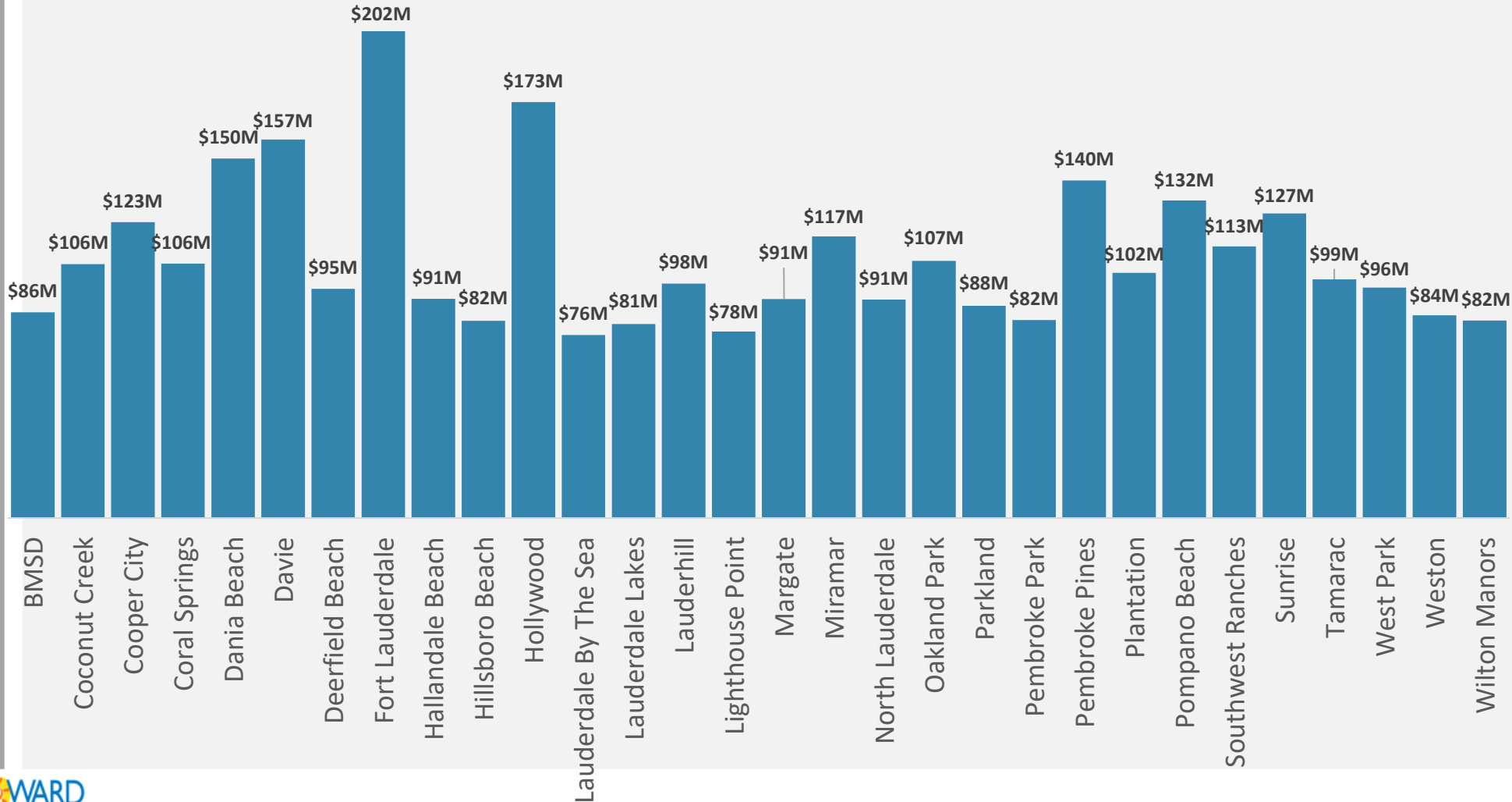
***MAP Broward's
Educational augmented
and virtual reality
(AR/VR) experience beta
tests for Oversight
Board Members***

Proposed Surtax Investments 2025 Geographical Analysis



MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation

Surtax Investments by Municipality, FY2019 to FY2024



Notes:

- Calculations **include:** municipal-led, County-led, and multi-agency projects wholly or partially **surtax-funded** that can be geo-located and contractual amounts for the municipal community shuttle programs; projects expected to impact multiple municipalities are counted in the calculations for each affected jurisdiction
- Calculations **do not include:** surtax-funding appropriated for transit service/operations; some countywide planning and design projects; and certain projects of regional impact, e.g., Broward Commuter Rail-South, Automated People Mover (Airport), and Intermodal Center (Airport-led collaborative)

Article V, Section 31 ½ -75, Code of Ordinances

“(i) Approval of Proposed Projects and Proposed Expenditures.

(1) County staff assigned to support the Oversight Board shall at least annually compile all County and municipal proposed projects and proposed expenditures that will be considered for funding with Transportation Surtax proceeds, consistent with budgetary recommendations, and present them to the Oversight Board for approval as to statutory eligibility. The Oversight Board shall consider proposed projects and proposed expenditures submitted by the County only for eligibility under Section 212.055(1)(d), Florida Statutes, with due consideration given to the opinion of the Transportation Surtax General Counsel to the extent the applicable eligibility determination involves a question of statutory construction." [emphasis added]

Transportation Department

FY2025 Surtax Budget Requests

**Coree Cuff Lonergan,
CEO/General Manager**



MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation

Capital: Total FY2025 Surtax Request

| Category | Surtax Total | Non-Local Total | Total |
|------------------------|-----------------|-----------------|-----------------|
| Transitways (BRT, LRT) | \$ 6.5M | \$0.0M | \$ 6.5M |
| Transit | 27.9M | 0.0M | 27.9M |
| Transit Infrastructure | 118.8M | 0.0M | 118.8M |
| Commuter Rail | 1.1M | 3.4M | 4.5M |
| Total - Capital | \$154.3M | \$3.4M | \$157.7M |

FY2025 Capital: Transitways - Design

| Bus Rapid Transit (BRT/LRT) - Design | Surtax Total |
|---|---------------------|
| Planning and Design – Oakland Park Blvd (BRT) | \$4.3M |
| Planning and Design – US 441/State Road 7 (BRT) | 2.0M |
| Planning and Design – Airport/Seaport/Convention Center (LRT) | 152K |
| Total - Transitways Design | \$6.5M |

FY2025 Capital: Transit

| Category | Surtax Total |
|------------------------------|----------------|
| Fixed-Route Buses | \$12.5M |
| Paratransit Vehicles | 10.4M |
| Planning Studies and Surveys | 5.0M |
| Total - Transit | \$27.9M |

FY2025 Capital: Transit Infrastructure

| Project | Surtax Total |
|---------------------------------------|-----------------|
| Design – Infrastructure Projects | \$ 8.4M |
| Bus Stop Improvements | 3.8M |
| Bus Shelters | 6.0M |
| Electric Bus Charging Infrastructure | 7.5M |
| Electric Bus Charging Equipment | 7.2M |
| Facilities Improvements | 4.8M |
| Copans Control Center | 60.0M |
| IT Enhancements | 21.1M |
| Total – Transit Infrastructure | \$118.8M |

FY2025 Capital: Commuter Rail

| Broward Commuter Rail South | Surtax Total | Non-Local Total | Total |
|--|---------------------|------------------------|---------------|
| Broward Commuter Rail South Construction | \$1.1M | \$3.4M | \$4.5M |
| Total – Broward Commuter Rail South | \$1.1M | \$3.4M | \$4.5M |

FY2025 Operating: Transit Total Request

| Category | Surtax Total |
|--|---------------------|
| Surtax Revenues to Supplement Operating Budget | \$153.7M |
| Late Night Shift Connect | 2.0M |
| Micro-Transit Program | 2.8M |
| Total - Transit Operating | \$158.5M |

FY2025 Municipal Community Shuttle Program

Community Shuttle Funding is attributed to the municipal portion of the program; funding for Existing Service and the Expansion of the Program contributes to the Minimum Annual Guarantee (MAG) of 10% of Surtax Revenues.

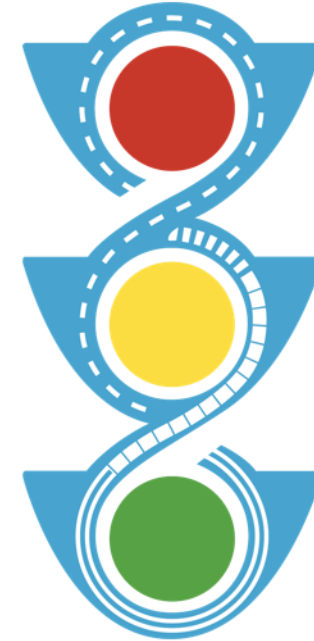
| Existing Community Shuttle Program | | Surtax Total |
|--|----------|---------------------|
| Existing Community Shuttle – Operating | | \$11.4M |
| Community Shuttle Capital – Buses and Equipment | | 2.5M |
| Community Shuttle Capital – Bus Stop Improvement Program | | 2.5M |
| Subtotal - Existing Community Shuttle Program | | \$16.4M |
| Expansion Community Shuttle Program | | Surtax Total |
| Expansion Community Shuttle Operating | Subtotal | \$3.7M |
| Total – Municipal Community Shuttle Program | | \$20.1M |

Discussion?

Q&A?

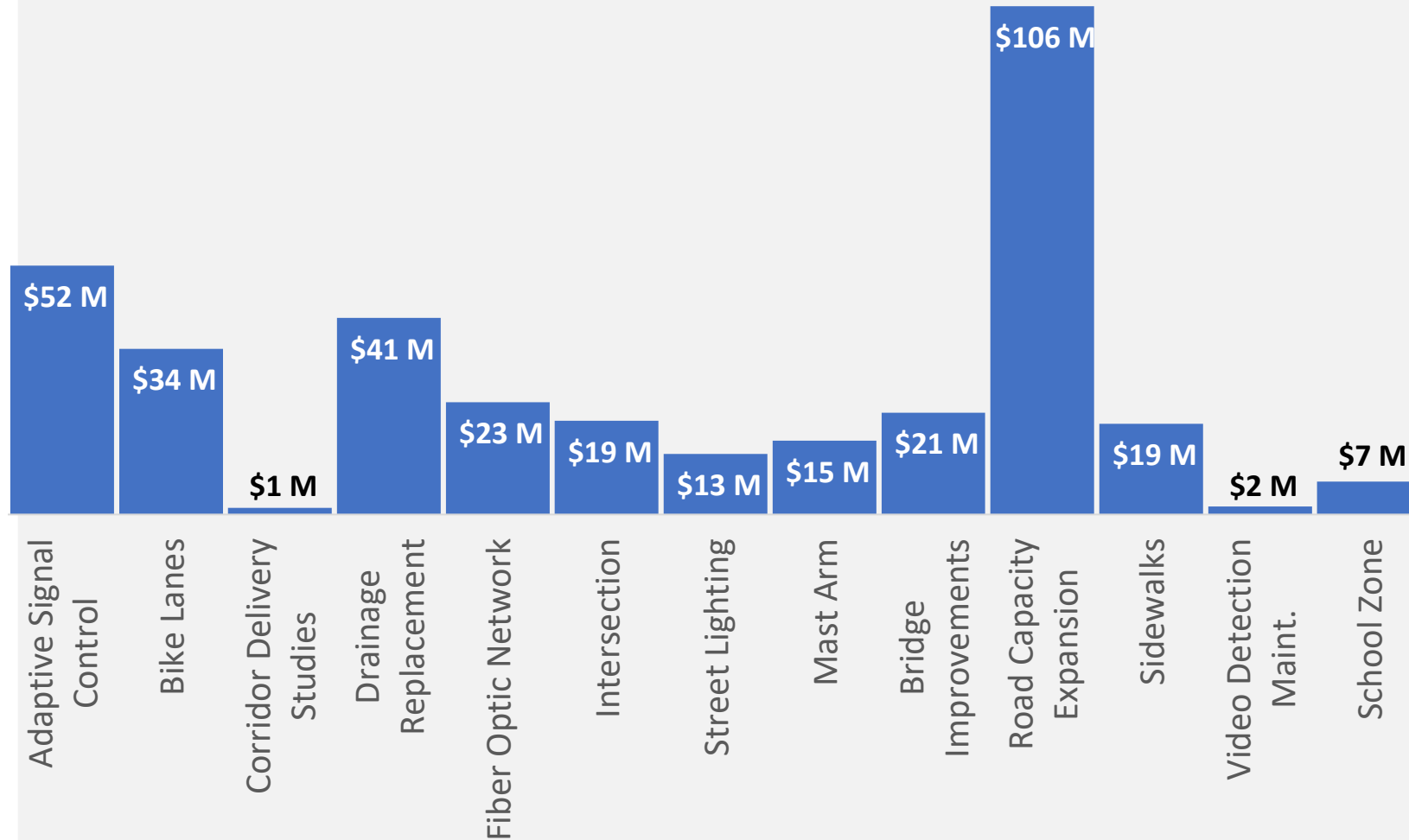
Public Works Department

FY 2025 Surtax Budget Requests



MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation

Public Works Investments by category, FYs 2019-2024



- Over \$350M of surtax investments from FY 2019 to FY 2024 in County Public Works projects
- Initial years funded design phases (to be constructed in future years)
- FY2024 saw significant increase in construction funding for **Road Capacity Expansion** projects
- Various **School Zone** projects were designed with Gas Tax and construction ready
- Early funding priority in surtax program was given to (1) **Adaptive Signal Control** projects and supporting elements to improve connectivity and better manage congestion, as well as (2) **Road Drainage Projects** to improve resiliency

FY2025 Public Works Budget Proposal by Category

**FY25 Capital
Budget Totals
\$77 M**

| Project Types | Proposed FY25 Budget |
|--------------------------------------|----------------------|
| Adaptive Signal Control | \$3,810,000 |
| Fiber Optics Network | \$7,740,000 |
| Road Capacity Expansion | \$2,500,000 |
| Intersection Improvements | \$13,930,000 |
| Drainage Replacement | \$12,500,000 |
| Bridge Repairs | \$10,000,000 |
| Mast Arm Conversion | \$4,830,000 |
| Resurfacing and Road Improvements | \$10,800,000 |
| Drainage Rehab and Missing Sidewalks | \$7,260,000 |
| Street Lighting | \$1,100,000 |
| School Zone Improvements | \$2,550,000 |
| Total | \$77,020,000 |

A14 Sheridan Street Adaptive Signals from I-95 to A1A (Dania Beach, Hollywood)

Implement adaptive traffic signal technology to optimize traffic flow along Sheridan Street; monitor real-time traffic count, travel time and other traffic characteristics.

Schedule:

Construction Phase Start - 2025
FY24-28 Capital (Cap) Plan
Start - 2025

Cost Estimate:

Construction Cost - \$3,370,000
FY24-28 Cap. Plan Construction Cost - \$3,370,000
Reasons for Change: N/A

FY2025 Budget Request:

\$3,370,000 for Construction



A18 Weston Road Adaptive Signals from SR-84 to Griffin Road to I-75 (Weston)

Implement adaptive traffic signal technology to optimize traffic flow along Weston Road; monitor real-time traffic count, travel time and other traffic characteristics.

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

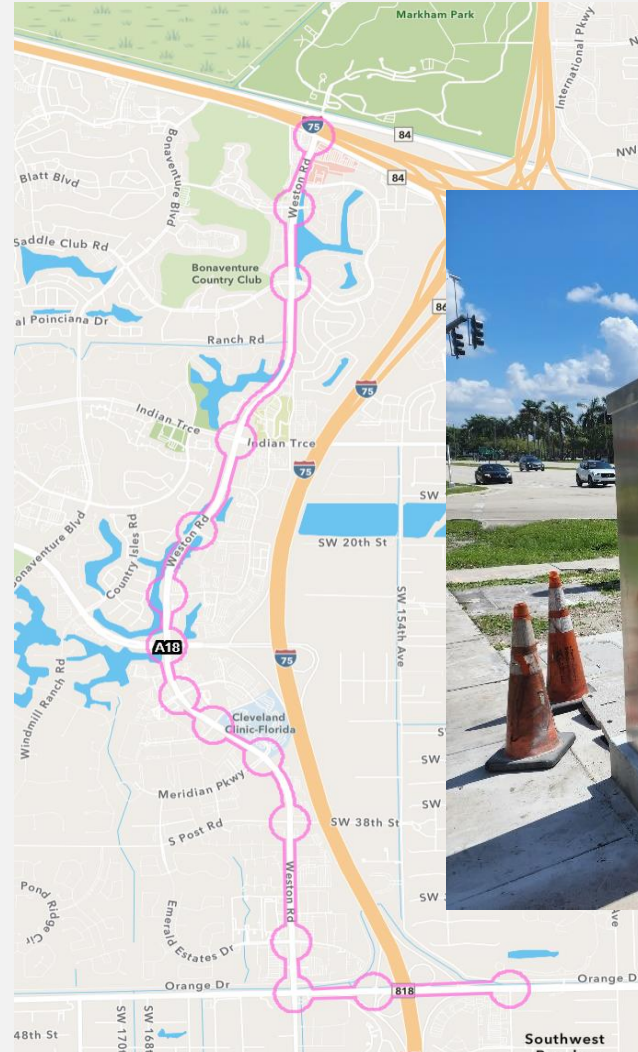
Design Cost - \$ 440,000

FY24-28 Cap. Plan Design Cost - \$ 440,000

Reasons for Change: N/A

FY2025 Budget Request:

\$440,000 for Design



F07 Copans Road Fiber Optic Network from SR-7 to I-95 (Coconut Creek, Margate, Pompano Beach)

Install fiber optic cables and associated equipment to support new traffic technology requiring high data volume and speed requirement.

Schedule:

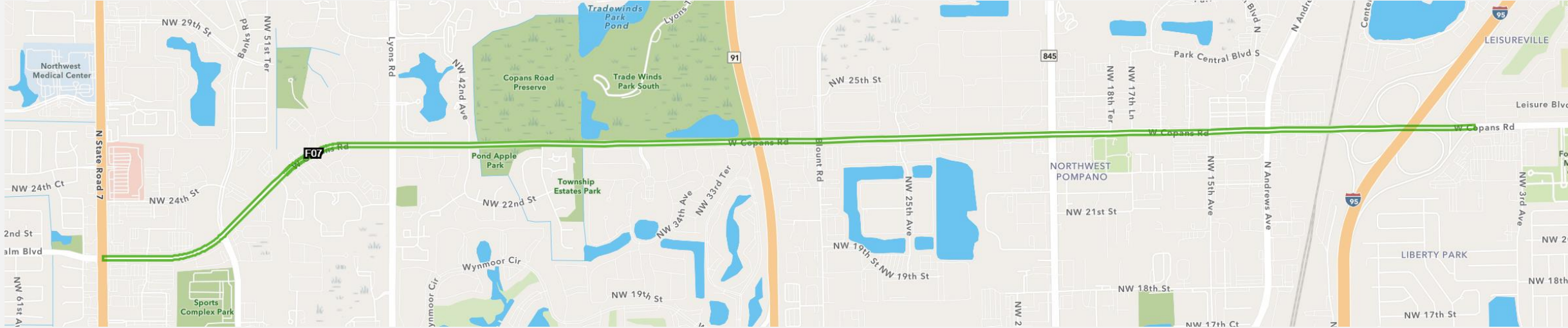
- Construction Phase Start - 2025
- FY24-28 Cap. Plan Start – 2025
- Reasons for Change: N/A

Cost Estimate:

- Construction Cost - \$2,460,000
- FY24-28 Cap. Plan Construction Cost - \$2,460,000
- Reasons for Change: N/A

FY2025 Budget Request:

\$2,460,000 for Construction



F11 I-595 Alignment Fiber Optic Network

from Weston Road to NW 136th Avenue, then north to Sunrise Blvd. (Davie, Sunrise)

Install fiber optic cables and associated equipment to support new traffic technology requiring high data volume and speed requirement.

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

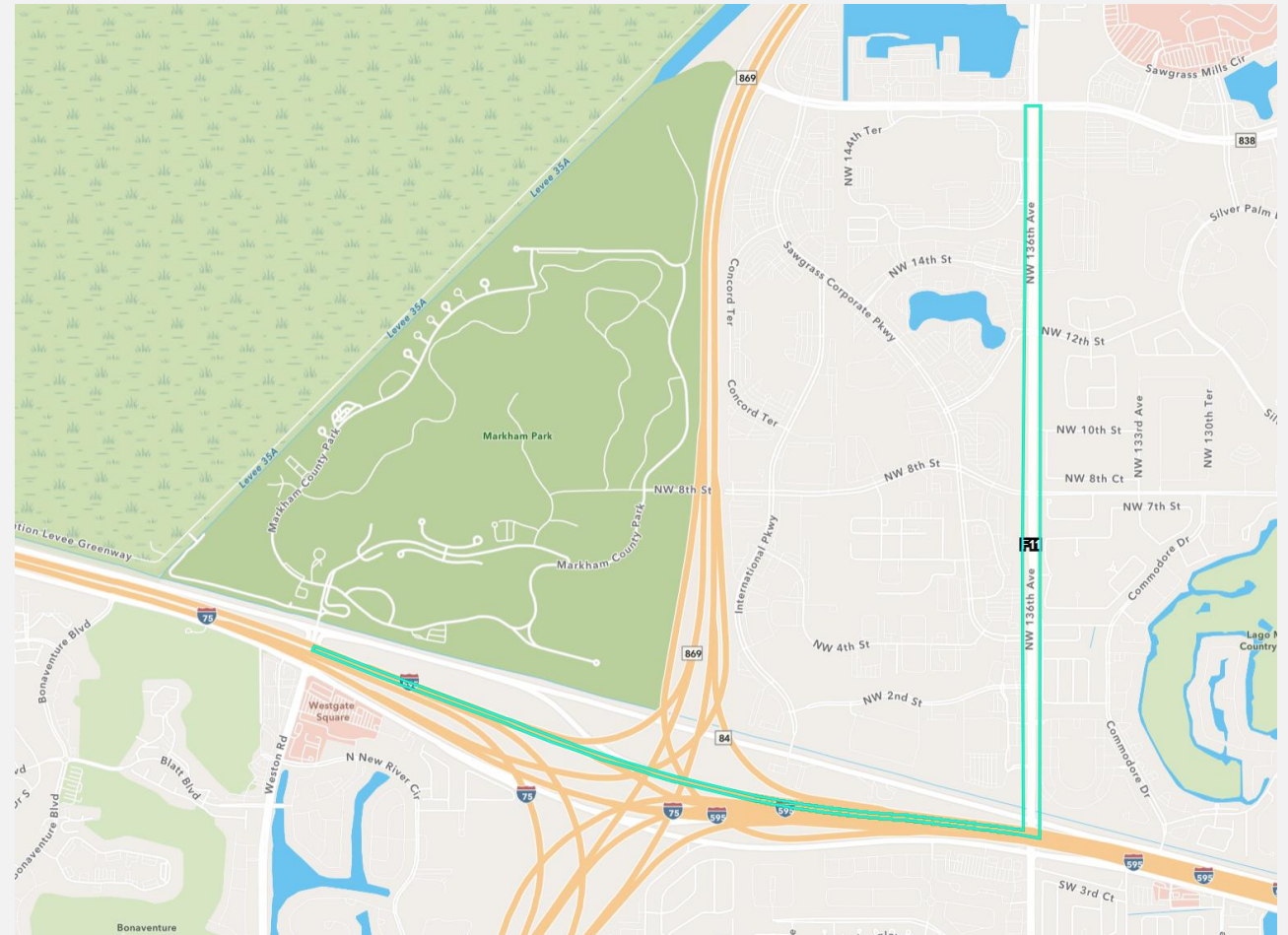
Construction Cost - \$1,550,000

FY24-28 Cap. Plan Construction Cost - \$1,550,000

Reasons for Change: N/A

FY2025 Budget Request:

\$1,550,000 for Construction



F12 Pine Island Road Fiber Optic Network from McNab Road to Atlantic Boulevard (Coral Springs, Tamarac)

Install fiber optic cables and associated equipment to support new traffic technology requiring high data volume and speed requirement.

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

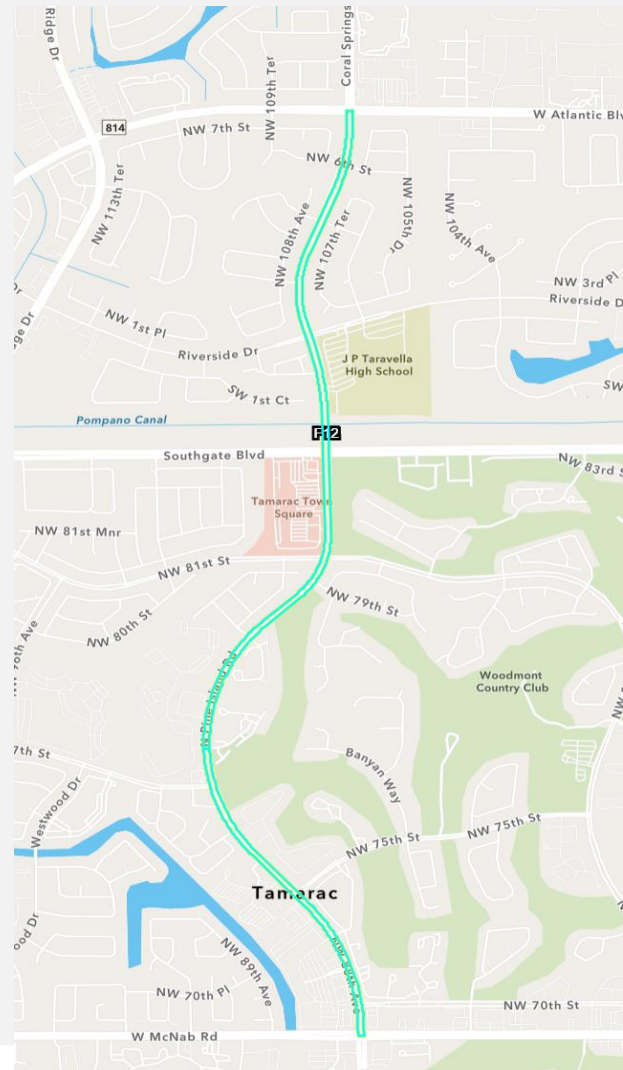
Construction Cost - \$1,140,000

FY24-28 Cap. Plan Construction Cost - \$1,140,000

Reasons for Change: N/A

FY2025 Budget Request:

\$1,140,000 for Construction



F15 Coral Springs Drive Fiber Optic Network from Atlantic Boulevard to Royal Palm Boulevard (Coral Springs)

Install fiber optic cables and associated equipment to support new traffic technology requiring high data volume and speed requirement.

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

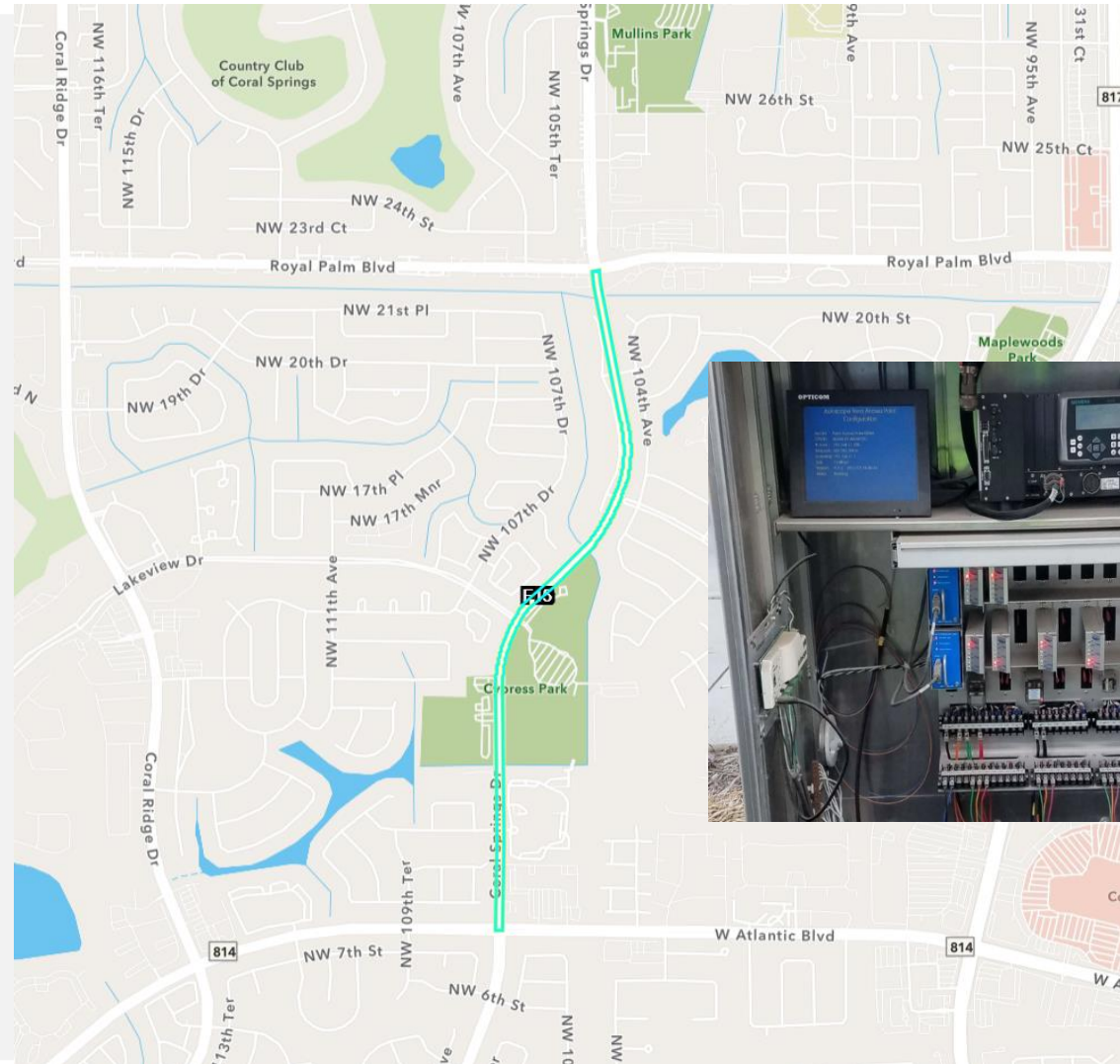
Construction Cost - \$690,000

FY24-28 Cap. Plan Construction Cost - \$690,000

Reasons for Change: N/A

FY2025 Budget Request:

\$690,000 for Construction



F17 Royal Palm Boulevard Fiber Optic Network from Coral Springs Drive to SR-7 (Coral Springs, Margate)

Install fiber optic cables and associated equipment to support new traffic technology requiring high data volume and speed requirement.

Schedule:

Construction Phase Start - 2025

FY24-28 Capital Plan Start – 2025

Cost Estimate:

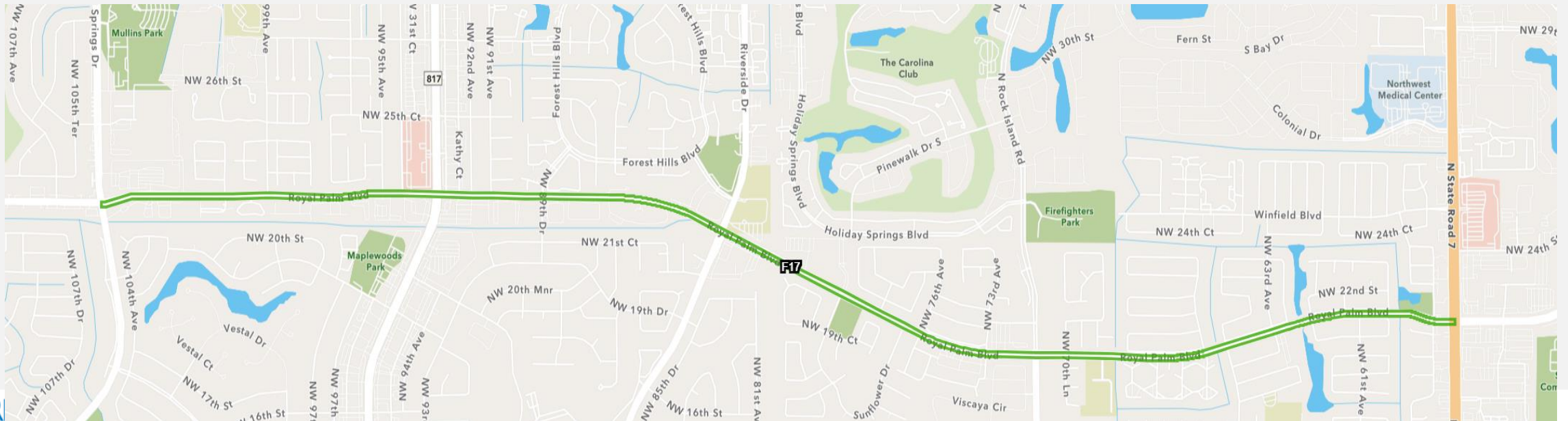
Construction Cost - \$1,830,000

FY24-28 Cap. Plan Construction Cost - \$1,830,000

Reasons for Change: N/A

FY2025 Budget Request:

\$1,830,000 for Construction



F105 Commercial Boulevard Fiber Optic Network from Pine Island Road to University Drive (Tamarac, Lauderhill)

Install fiber optic cables and associated equipment to support new traffic technology requiring high data volume and speed requirement.

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

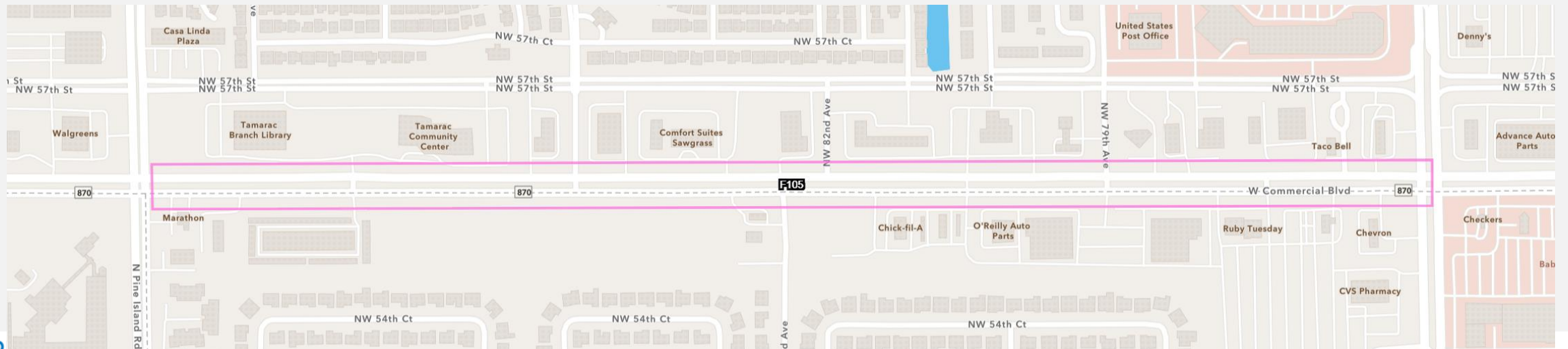
Design Cost - \$70,000

FY24-28 Cap. Plan Design Cost - \$70,000

Reasons for Change: N/A

FY2025 Budget Request:

\$70,000 for Design



I102 NE 3rd Avenue Intersection @ Flagler Drive / Progresso Drive (Fort Lauderdale)

Install controlled pedestrian crossing across FEC train tracks.

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

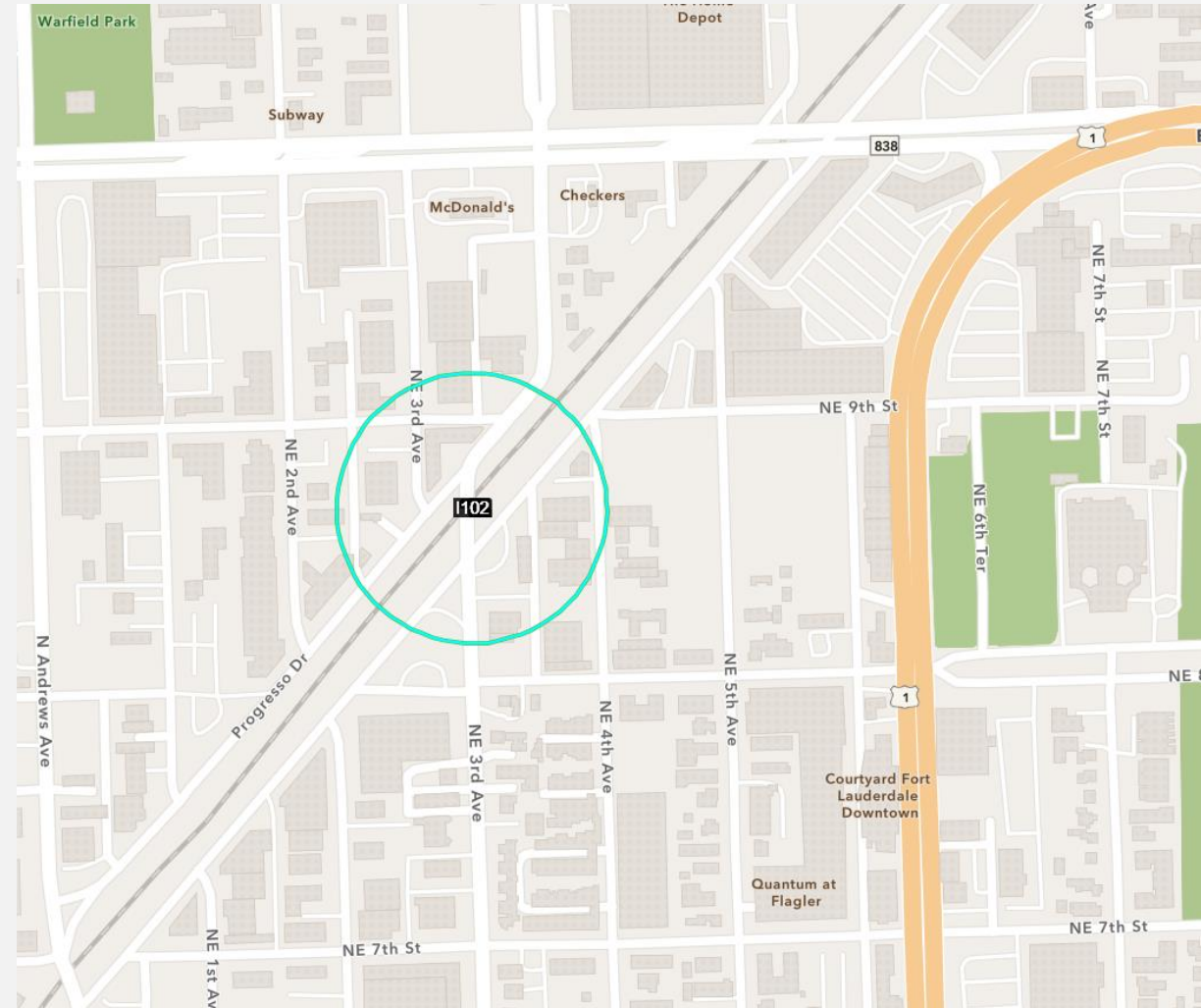
Construction Cost - \$1,360,000

FY24-28 Cap. Plan Construction Cost - \$1,360,000

Reasons for Change: N/A

FY2025 Budget Request:

\$1,360,000 for Construction



I103 Intersections Study Group 1, Countywide

Intersection improvements identified:

I103.1 Commercial Blvd @ Rock Island Rd

I103.2 McNab Rd @ Rock Island Rd

I103.3 Miramar Parkway @ Palm Ave

I103.4 NE 62 St @ NE 18 Ave

Schedule:

Construction Phase Start – 2025

FY24-28 Cap. Plan Start – 2025

Reasons for change: N/A

Cost Estimate:

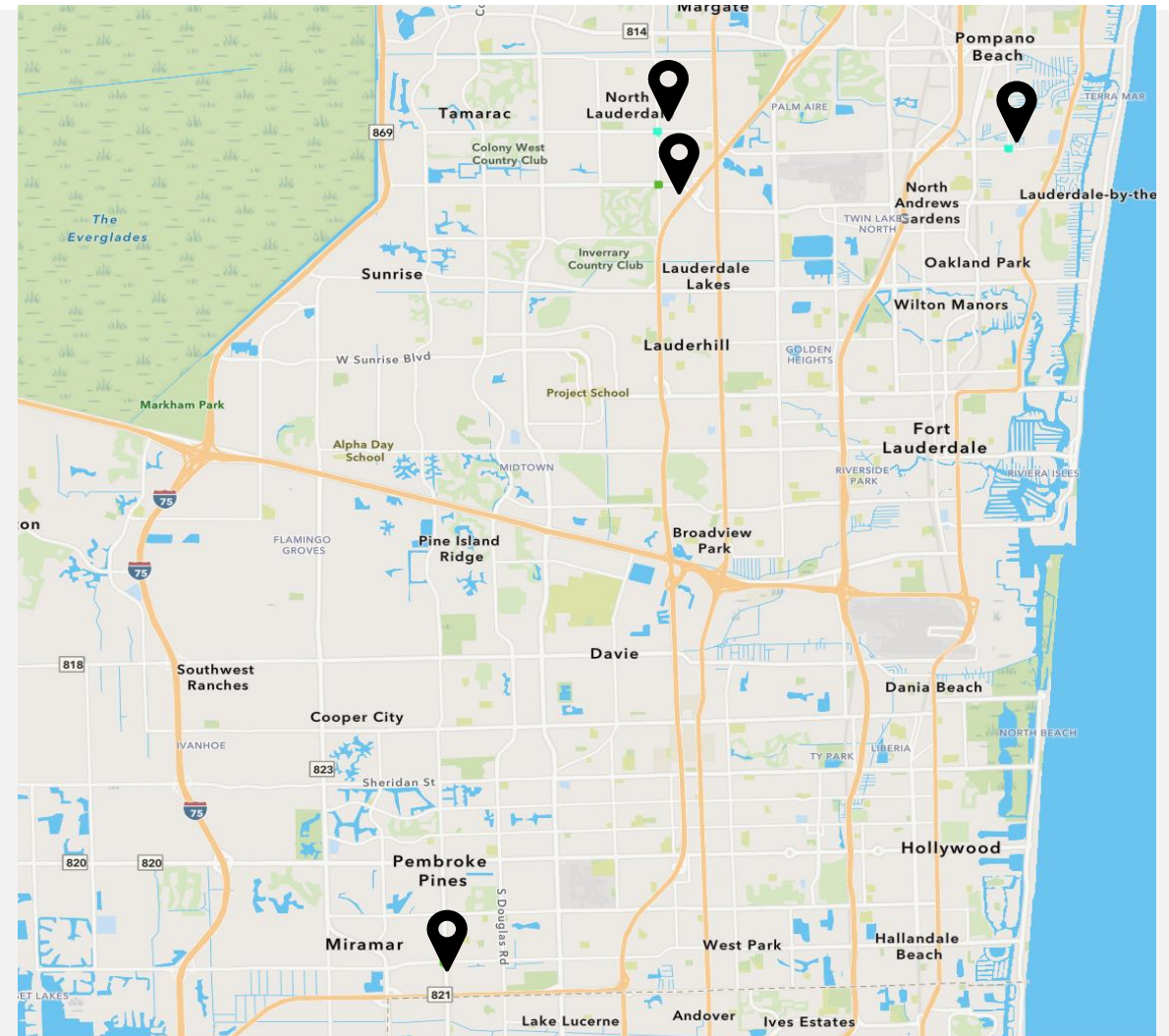
Construction Cost - \$11,570,000

FY24-28 Cap. Plan Construction Cost - \$11,570,000

Reasons for Change: N/A

FY2025 Budget Request:

\$11,570,000 for Construction



I104 Intersections Study Group 2, Countywide

Countywide intersection improvement priority group 2: Up to 3 intersections for design - dependent on scope.

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – 2026

Reasons for Change: Intersections are ready for earlier design start

Cost Estimate:

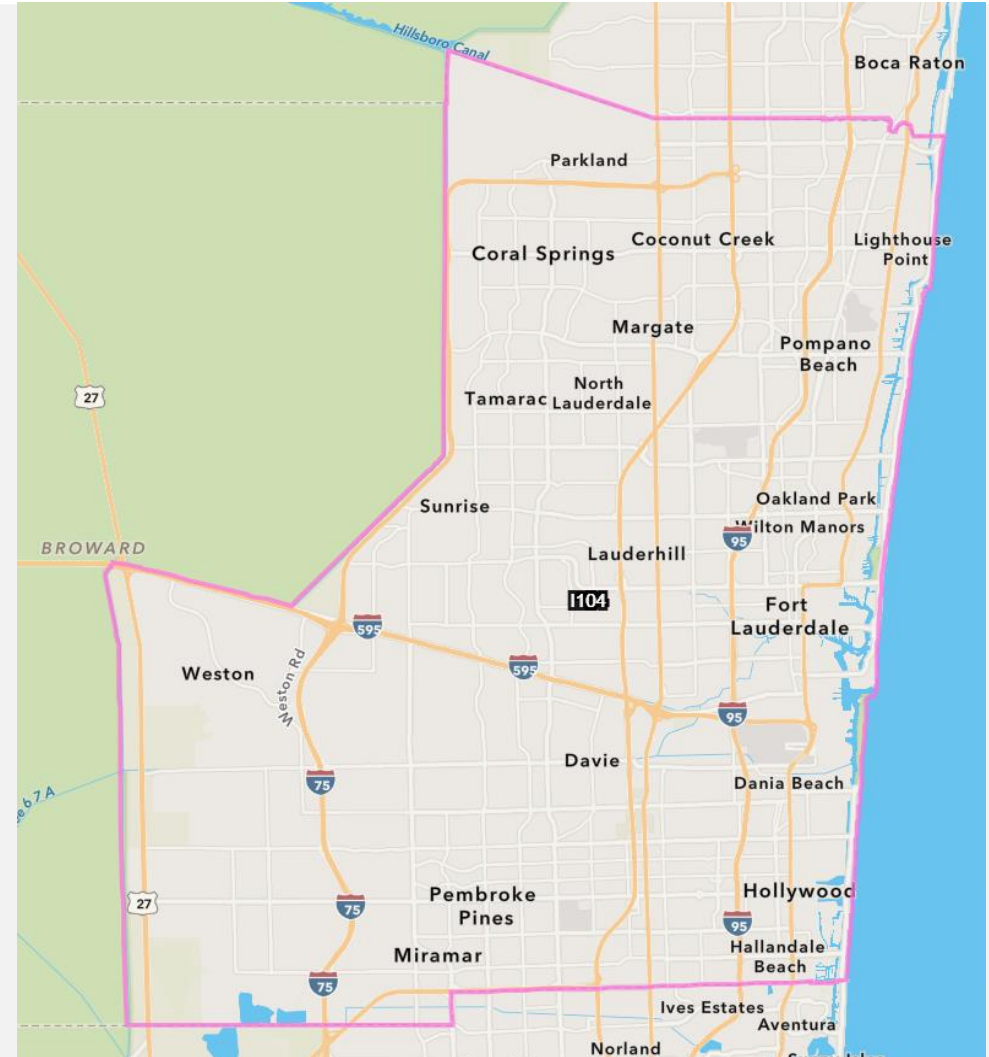
Design Cost - \$1,000,000

FY24-28 Cap. Plan Design Cost - \$1,230,000

Reasons for Change: Costs correspond with design scope

FY2025 Budget Request:

\$1,000,000 for Design



R14 Pine Island Road Capacity Expansion from Commercial Boulevard to McNab Road (Tamarac)

Expand Pine Island Rd from 4 to 6 lanes from Commercial Boulevard to McNab Road

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

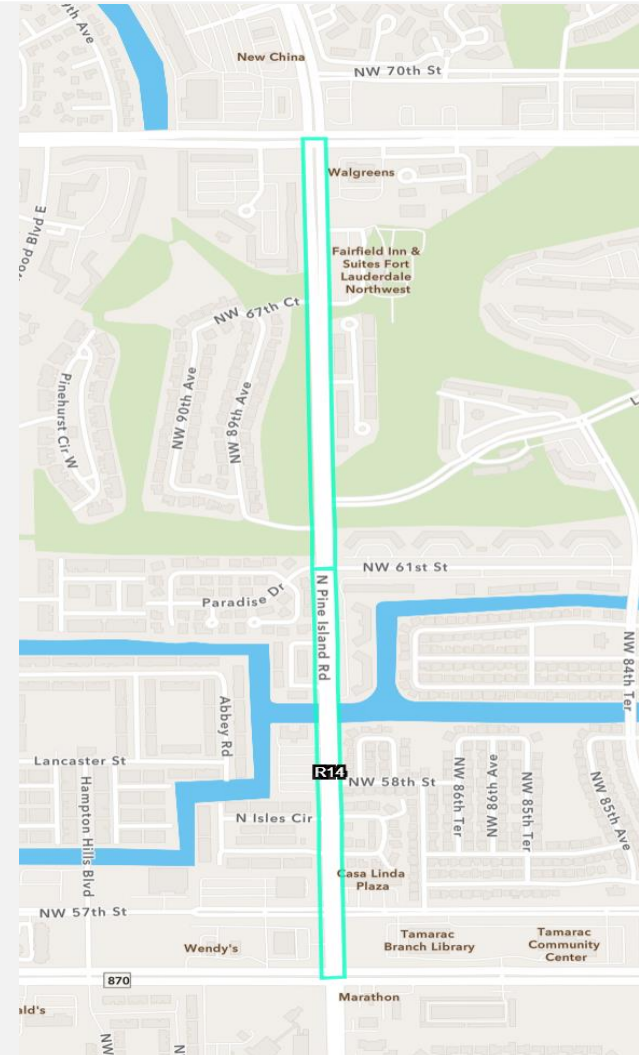
Design Cost - \$2,500,000

FY24-28 Cap. Plan Design Cost - \$2,500,000

Reasons for Change: N/A

FY2025 Budget Request:

\$2,500,000 for Design



D04 NE 6th Avenue Drainage Replacement from NE 38th Street to Commercial Boulevard (Oakland Park)

Replace aging drainage piping and structures, and regrade swale areas to improve permeability and minimize flooding

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2024

Reasons for Change: N/A

Cost Estimate:

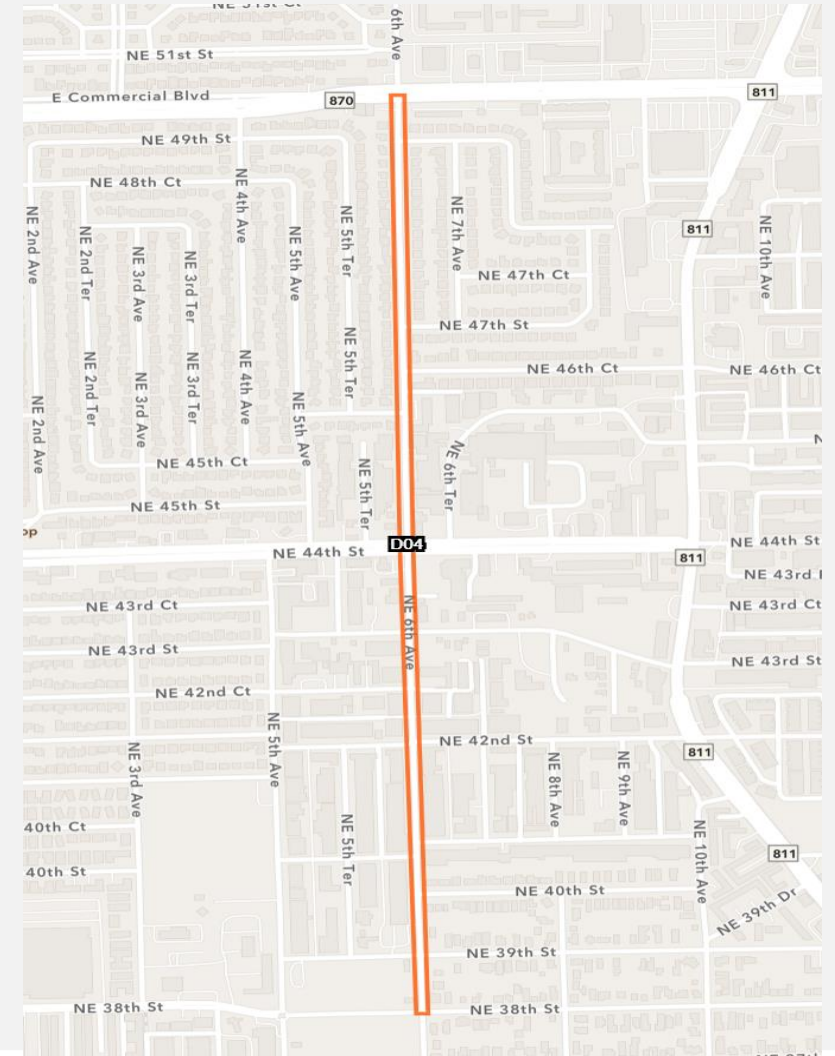
Construction Cost - \$4,500,000

FY24-28 Cap. Plan Construction Cost - N/A

Reasons for Change: Recent floodings indicate additional deficiencies with existing aged system

FY2025 Budget Request:

\$4,500,000 for Construction



D05 NE 6th Avenue Drainage Replacement from Wilton Drive to Oakland Park Boulevard (Wilton Manors)

Replace aging drainage piping and structures, and regrade swale areas to improve permeability and minimize flooding

Schedule:

Design Phase Start – 2025

Construction Phase Start – 2025

FY24-28 Cap. Plan Start – 2026 / 2027

Reasons for Change: Recent floodings require earlier start to improvements

Cost Estimate:

Design Cost – \$900,000

Construction Cost - \$4,500,000

FY24-28 Cap. Plan Design Cost – \$190,000

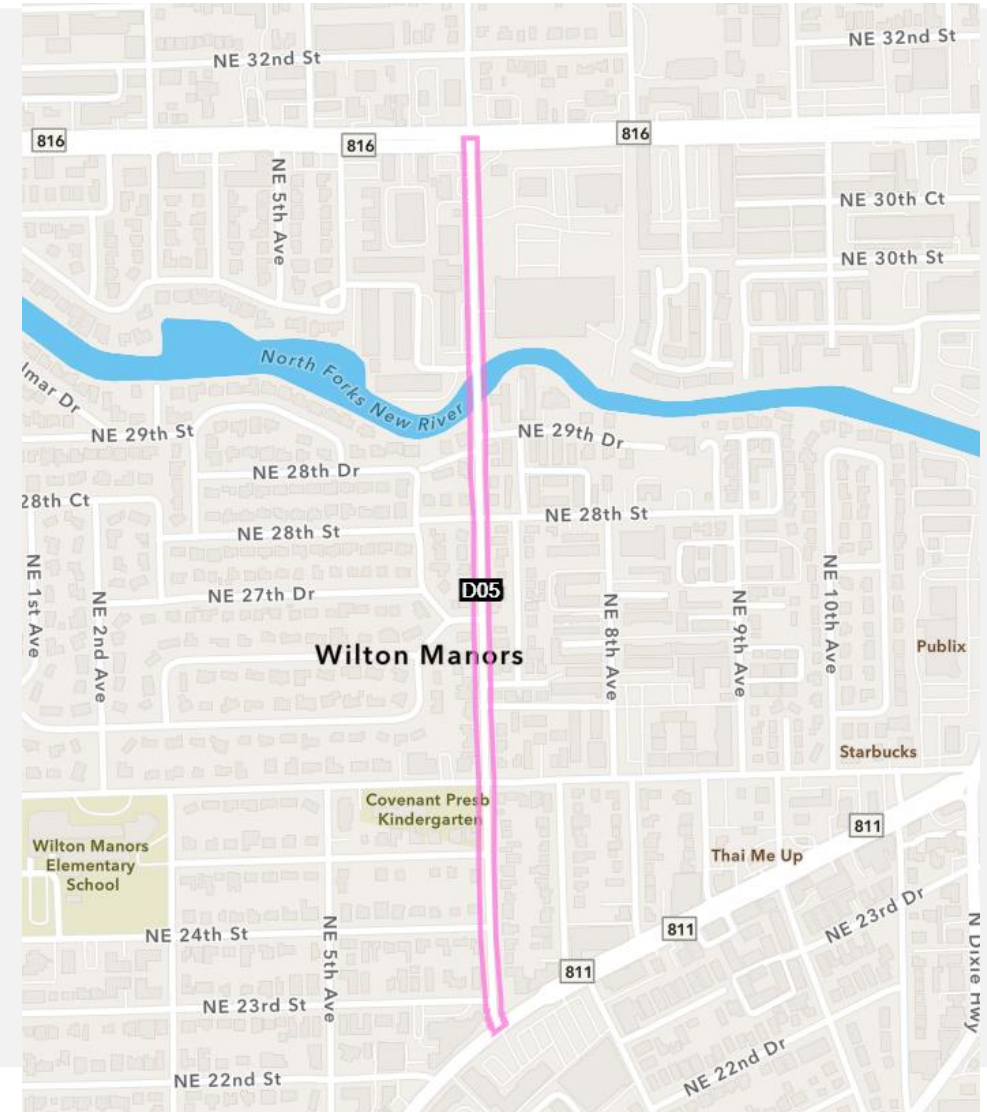
FY24-28 Cap. Plan Construction Cost- \$1,480,000

Reasons for Change: Recent floodings indicate additional deficiencies with existing aged system

FY2025 Budget Request:

\$900,000 for Design

\$4,500,000 for Construction



D106 Roosevelt Gardens Drainage within the Municipal Services District of Roosevelt Gardens

Replace aged pipes and add new stormwater pipes, swale-exfiltration trenches, french drains, raingardens/bio-detention areas, permeable asphalt pavement, and permeable sidewalk.

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – N/A

Reasons for Change: Pipe cleaning identified deficiencies that must be corrected

Cost Estimate:

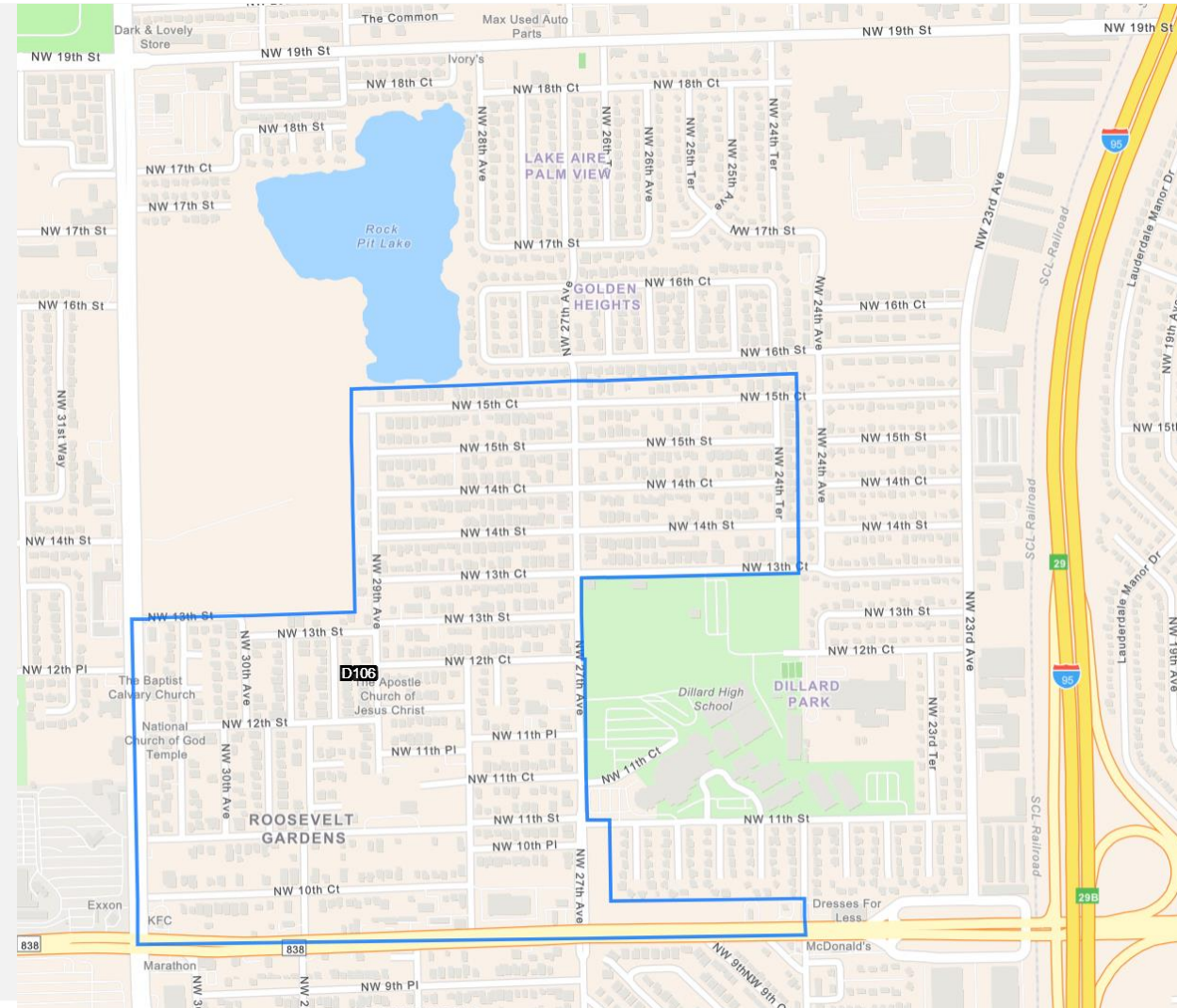
Design Phase Cost - \$1,000,000

FY24-28 Cap. Plan Design Cost – N/A

Reasons for Change: Cost to complete a comprehensive drainage study and preliminary design

FY2025 Budget Request:

\$1,000,000 for Design



D107 Washington Park Drainage within the Municipal Services District of Washington Park

* New Project

Replace aged pipes and add new stormwater pipes, swale-exfiltration trenches, French-drains, raingardens / bio-detention areas, permeable asphalt pavement, and permeable sidewalk.

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – N/A

Reasons for Change: Recent floodings indicate need for comprehensive drainage study of entire neighborhood

Cost Estimate:

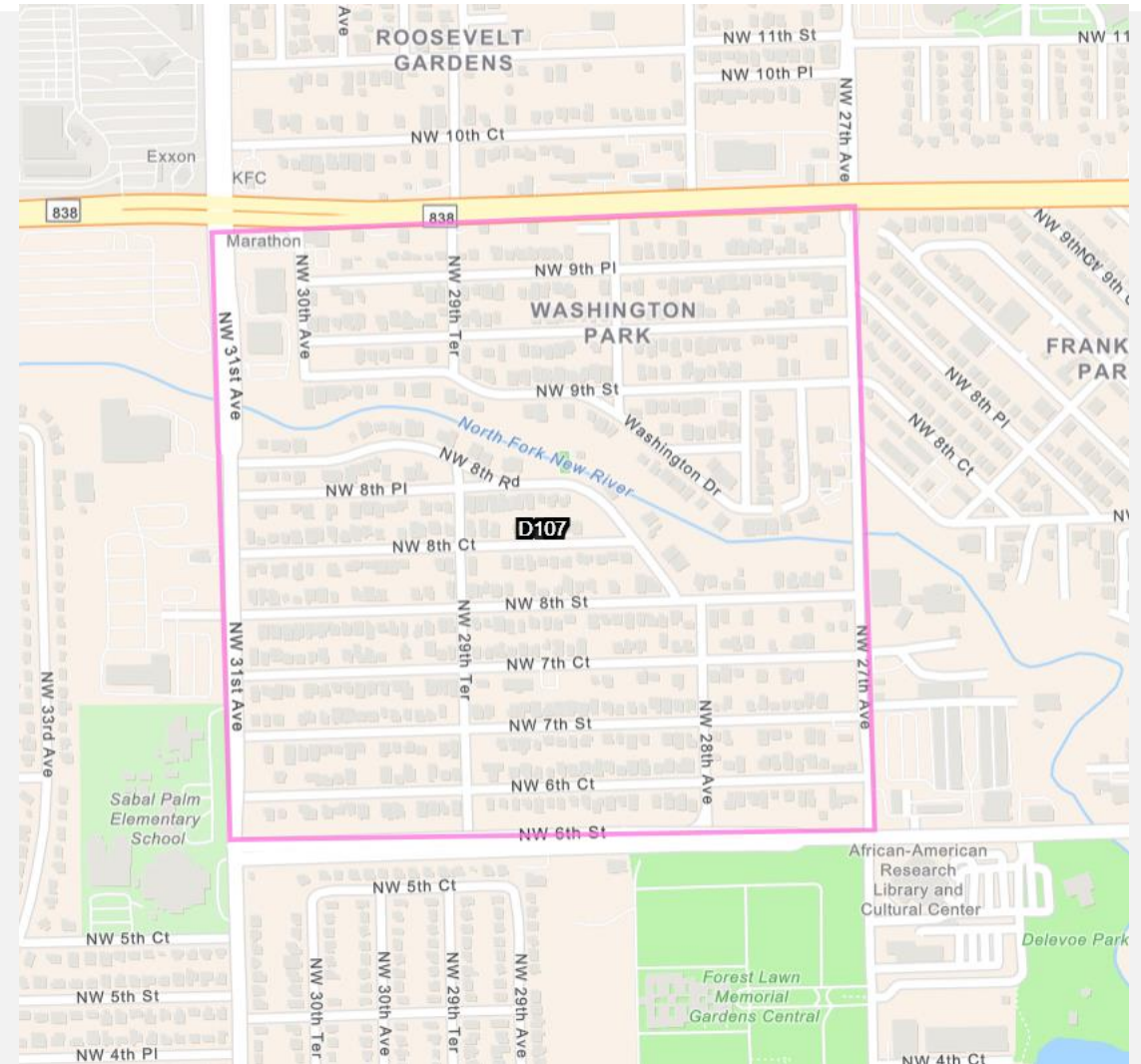
Design Cost - \$1,600,000

FY24-28 Cap. Plan Design Cost – N/A

Reasons for Change: Recent floodings indicate need for comprehensive drainage study of entire neighborhood

FY2025 Budget Request:

\$1,600,000 for Design



001 SW 4th / 7th Avenue Bridge Replacement @ the New River (Fort Lauderdale)

Replace bridges and overpasses not meeting current standards in a proactive and planned manner to ensure continued use and minimize unscheduled downtime for repairs.

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

Construction Cost - \$10,000,000

FY24-28 Cap. Plan Construction Cost - \$19,040,000

Reasons for Change: Work can be implemented in multiple stages. Remaining funding will be needed in 2026

FY2025 Budget Request:

\$10,000,000 for Construction



B11 Dixie Highway Resurfacing + Road Improvements

from County Line Road to Sheridan Street (Dania Beach, Hallandale Beach, Hollywood)

Perform PD&E of road improvements including multi-purpose path, resurfacing, drainage, traffic signal and new signing and pavement markings

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – N/A

Reasons for Change: Project is being advanced to coordinate with design of commuter rail station and to seek grant funding opportunities

Cost Estimate:

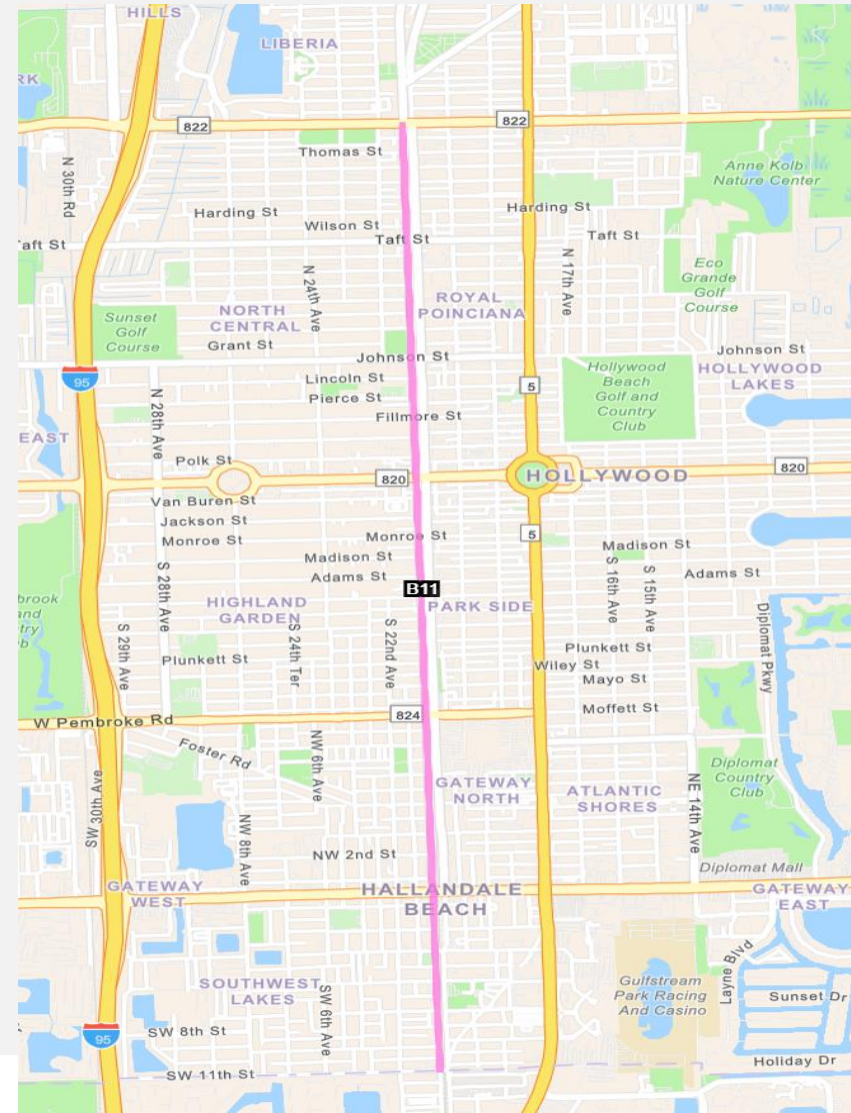
Design Cost - \$3,500,000

FY24-28 Cap. Plan Design Cost - N/A

Reasons for Change: N/A

FY2025 Budget Request:

\$3,500,000 for Design



B28 NE 62nd Street Resurfacing + Road Improvements from NE 18th Avenue to US-1 (Fort Lauderdale)

Resurface roadway and install drainage, signing, and pavement marking. B28 is being implemented together with I103, M48, and S25.

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – N/A

Reasons for Change: Schedule is advanced to be implemented together with other approved projects

Cost Estimate:

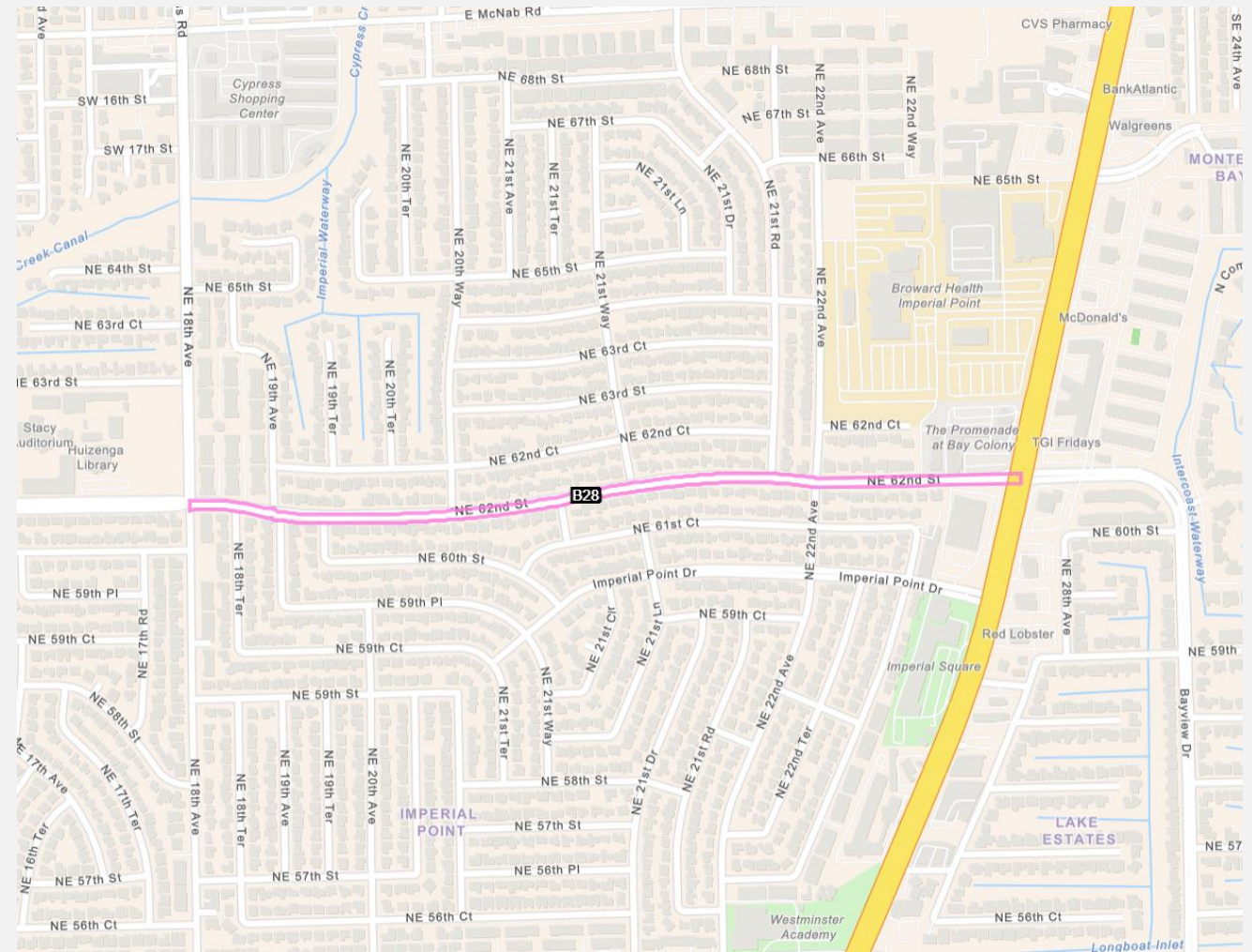
Design Cost - \$330,000

FY24-28 Cap. Plan Design Cost – N/A

Reasons for Change: N/A

FY2025 Budget Request:

\$330,000 for Design



B44 Atlantic Boulevard Resurfacing + Road Improvements from Lakeview Drive to Coral Ridge Drive (Coral Springs)

Resurface roadway and install signing, pavement marking and bike lanes.

Schedule:

Design Phase Start – 2025

Construction Phase Start – 2025

FY24-28 Cap. Plan Start – N/A

Reasons for Change: Schedule is advanced due to condition of aging road surface

Cost Estimate:

Design Cost – \$180,000

Construction Cost - \$1,650,000

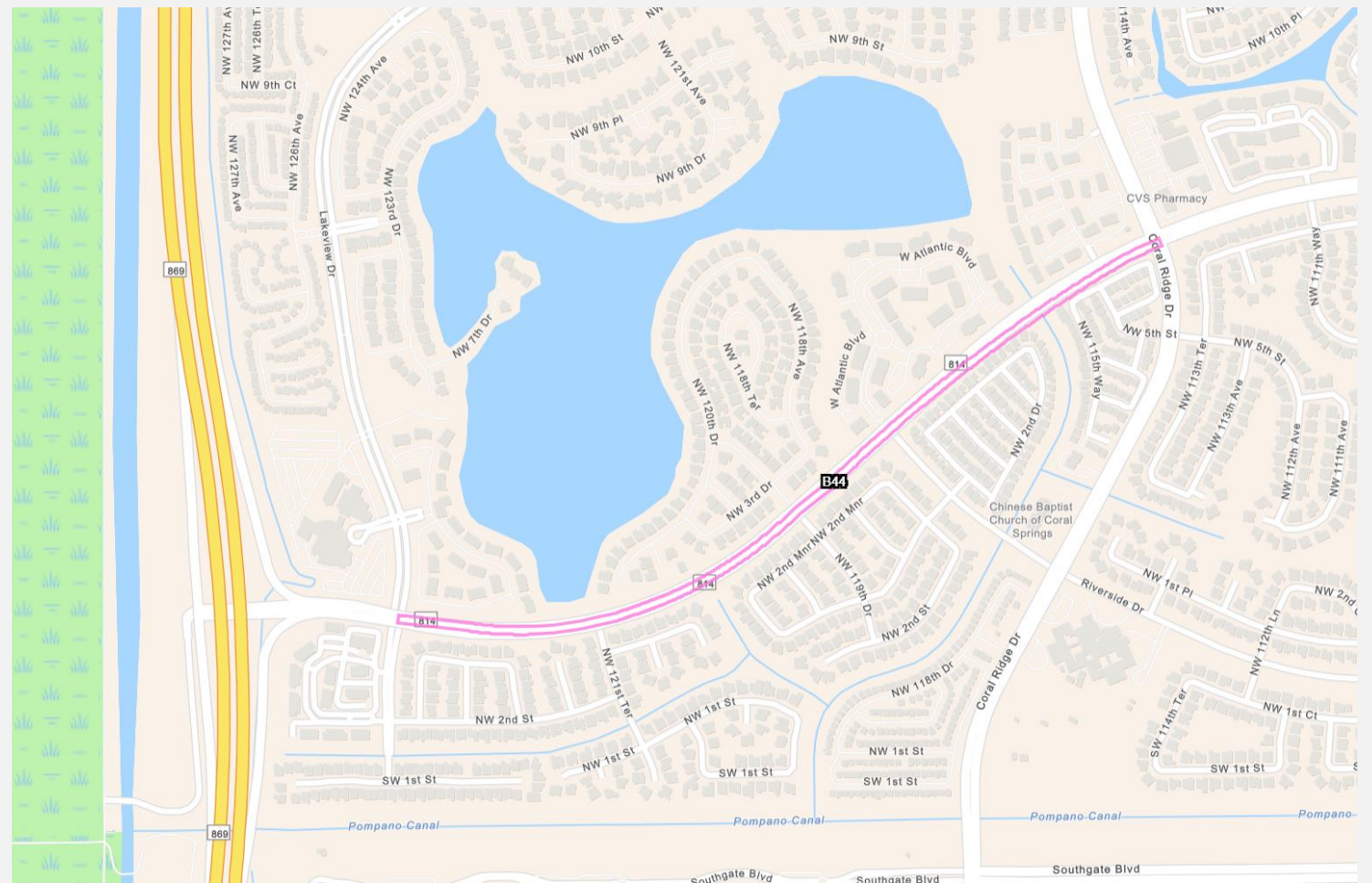
FY24-28 Cap. Plan Design Cost – N/A

Reasons for Change: N/A

FY2025 Budget Request:

\$180,000 for Design

\$1,650,000 for Construction



B61 Sheridan Street Resurfacing + Road Improvements from N 64th Avenue to SR-7 (North Side) (Hollywood)

Resurface roadway and install signing, pavement marking and bike lanes. B61 is being implemented together with O07.

Schedule:

Design Phase Start – 2025

Construction Phase Start – 2025

FY24-28 Cap. Plan Start – N/A

Reasons for Change: Schedule is advanced to be completed with O07

Cost Estimate:

Design Cost – \$80,000

Construction Cost - \$610,000

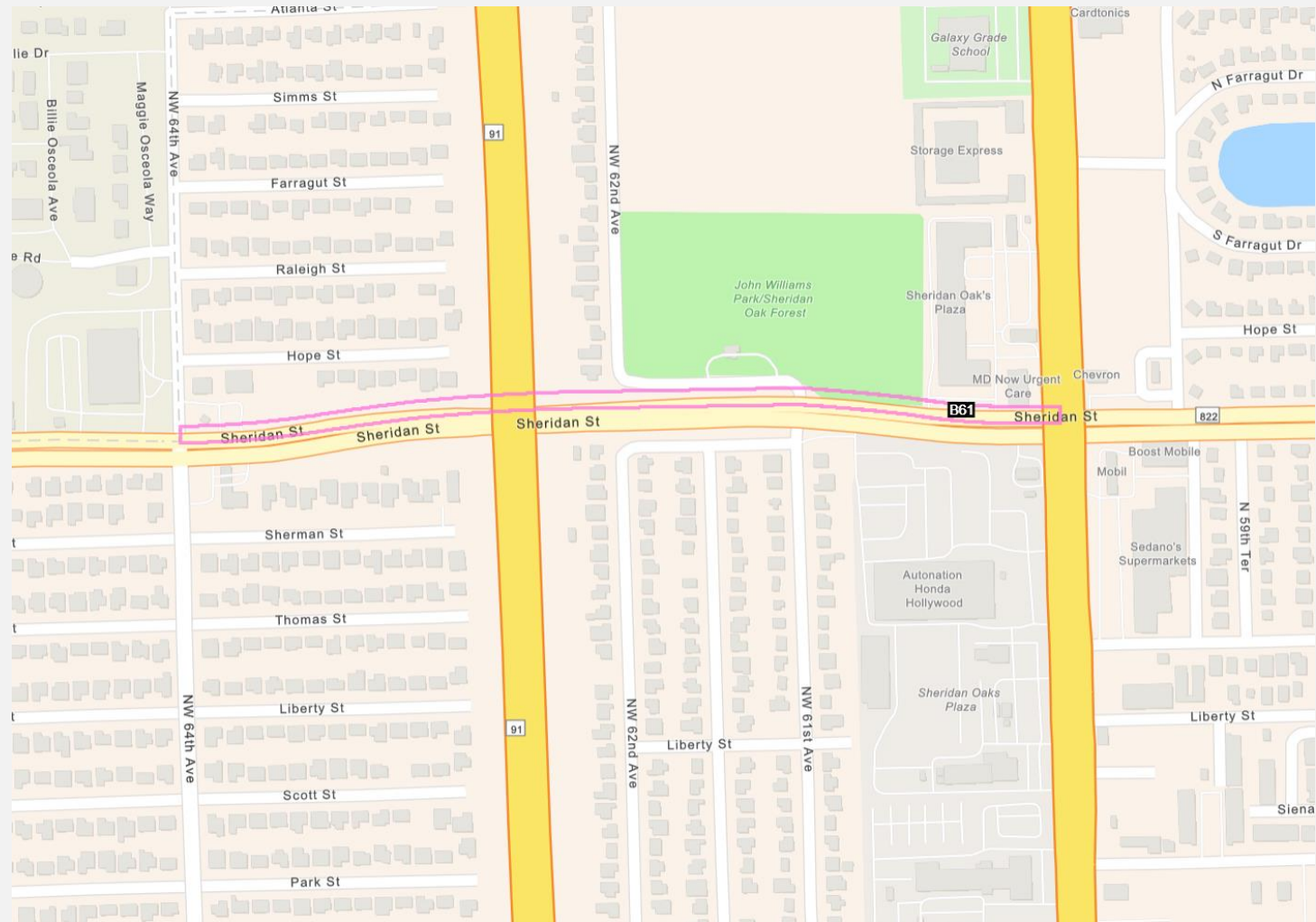
FY24-28 Cap. Plan Design Cost – N/A

Reasons for Change: N/A

FY2025 Budget Request:

\$80,000 for Design

\$610,000 for Construction



B62 Sheridan Street Resurfacing + Road Improvements from N 64th Avenue to SR-7 (South Side) (Hollywood)

Resurface roadway and install signing, pavement marking and bike lanes. B62 is being implemented together with O07.

Schedule:

Design Phase Start – 2025

Construction Phase Start – 2025

FY24-28 Cap. Plan Start – N/A

Reasons for Change: Schedule is advanced to be completed with O07

Cost Estimate:

Design Cost – \$50,000

Construction Cost - \$400,000

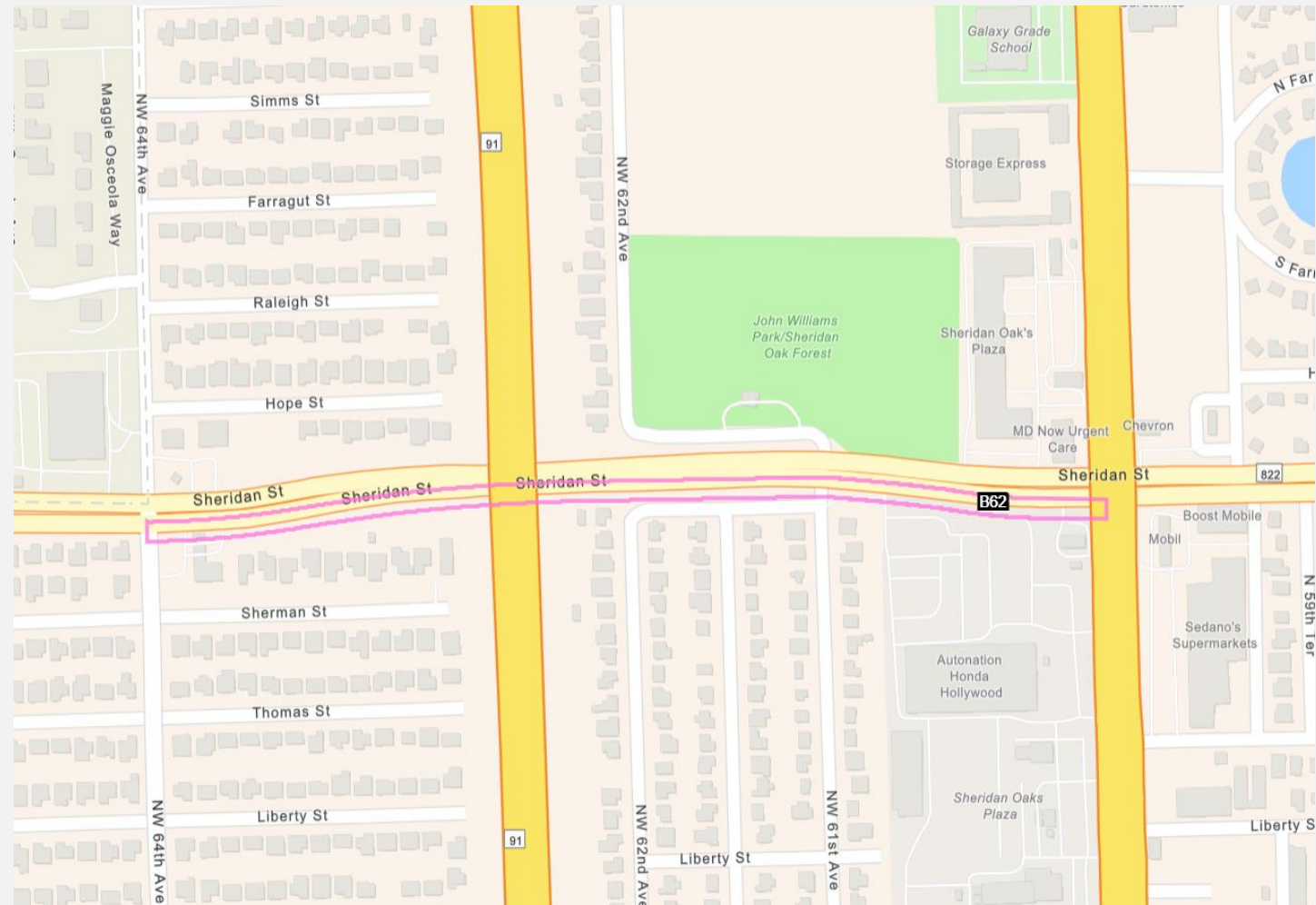
FY24-28 Cap. Plan Design Cost – N/A

Reasons for Change: N/A

FY2025 Budget Request:

\$50,000 for Design

\$400,000 for Construction



B108 Miramar Parkway Resurfacing + Road Improvements from SW 67th Avenue to SW 64th Avenue (Miramar)

* New Project

Resurface roadway, superelevate curve, install signing and pavement marking to improve safety. This project will complement safety improvements that were recently constructed with gas tax funding.

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – N/A

Reasons for Change: Project is developed to address community safety concerns

Cost Estimate:

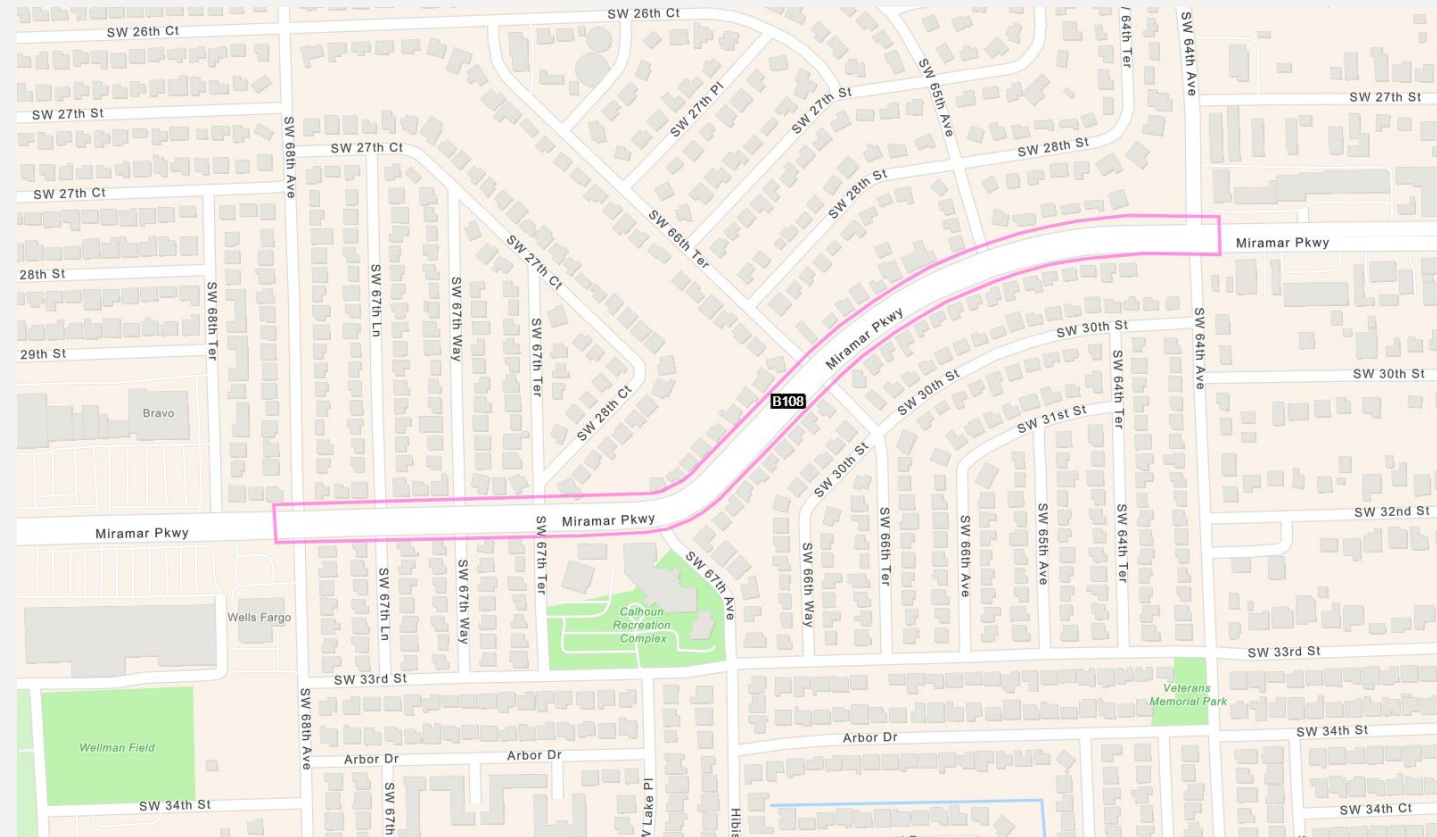
Design Cost - \$1,500,000

FY24-28 Cap. Plan Design Cost - N/A

Reasons for Change: N/A

FY2025 Budget Request:

\$1,500,000 for Design



B109 NW 31st Avenue Resurfacing + Road Improvements Broward Boulevard to McNab Road

(Lauderhill, Lauderdale Lakes, Broward Municipal Services District, Fort Lauderdale, Oakland Park, Tamarac, Pompano Beach)



* New Project

Install safety improvements and resurface roadway, incorporating recommendations from Broward Safety Action Plan. Project will receive \$1.25M reimbursement from BMPO in 2028 and seek additional grant opportunities

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – N/A

Reasons for Change: Project is developed to address community safety concerns

Cost Estimate:

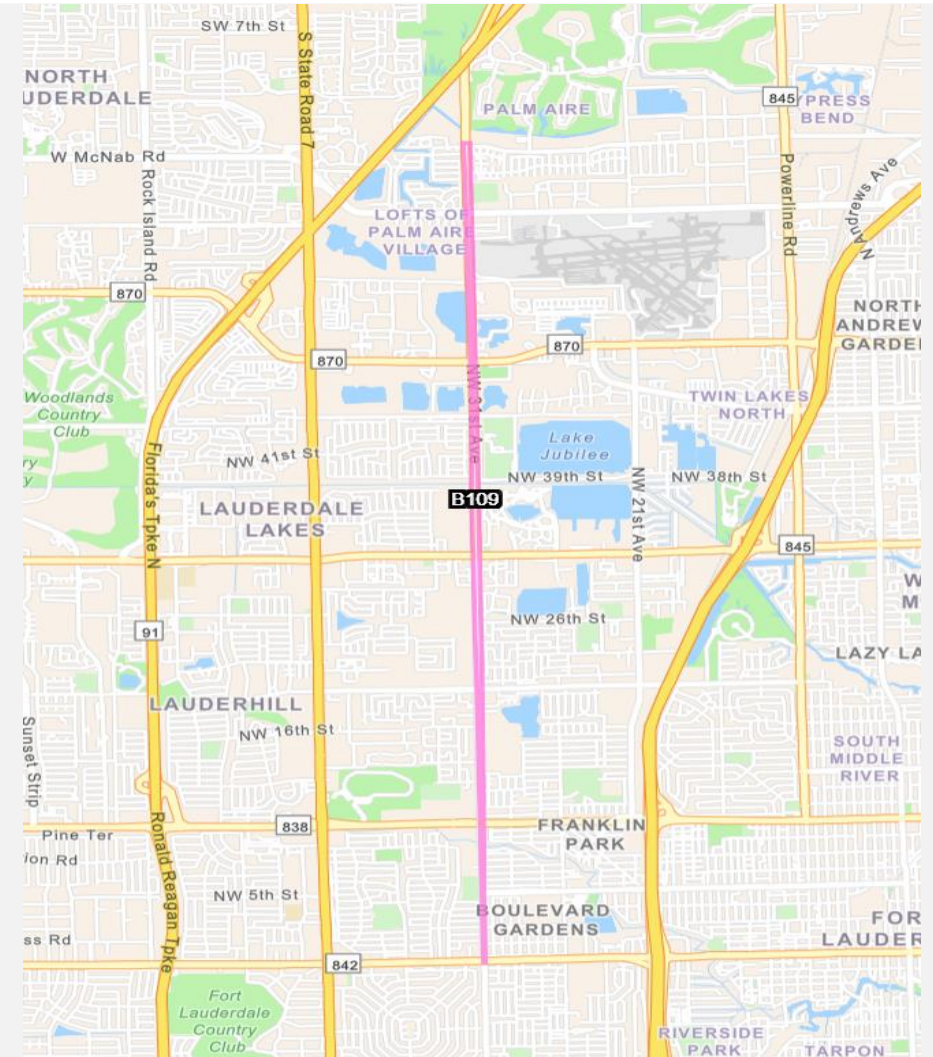
Design Cost - \$2,500,000

FY24-28 Cap. Plan Design Cost - N/A

Reasons for Change: N/A

FY2025 Budget Request:

\$2,500,000 for Design



M08 Nob Hill Road Mast Arm @ NW 44th Street (Sunrise)

Convert traffic signal supports from span-wire to mast- arm support. Conversion may include mast-arm foundations, poles and arms, updated signals and equipment, ADA upgrades, milling and resurfacing, signing and pavement marking.

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

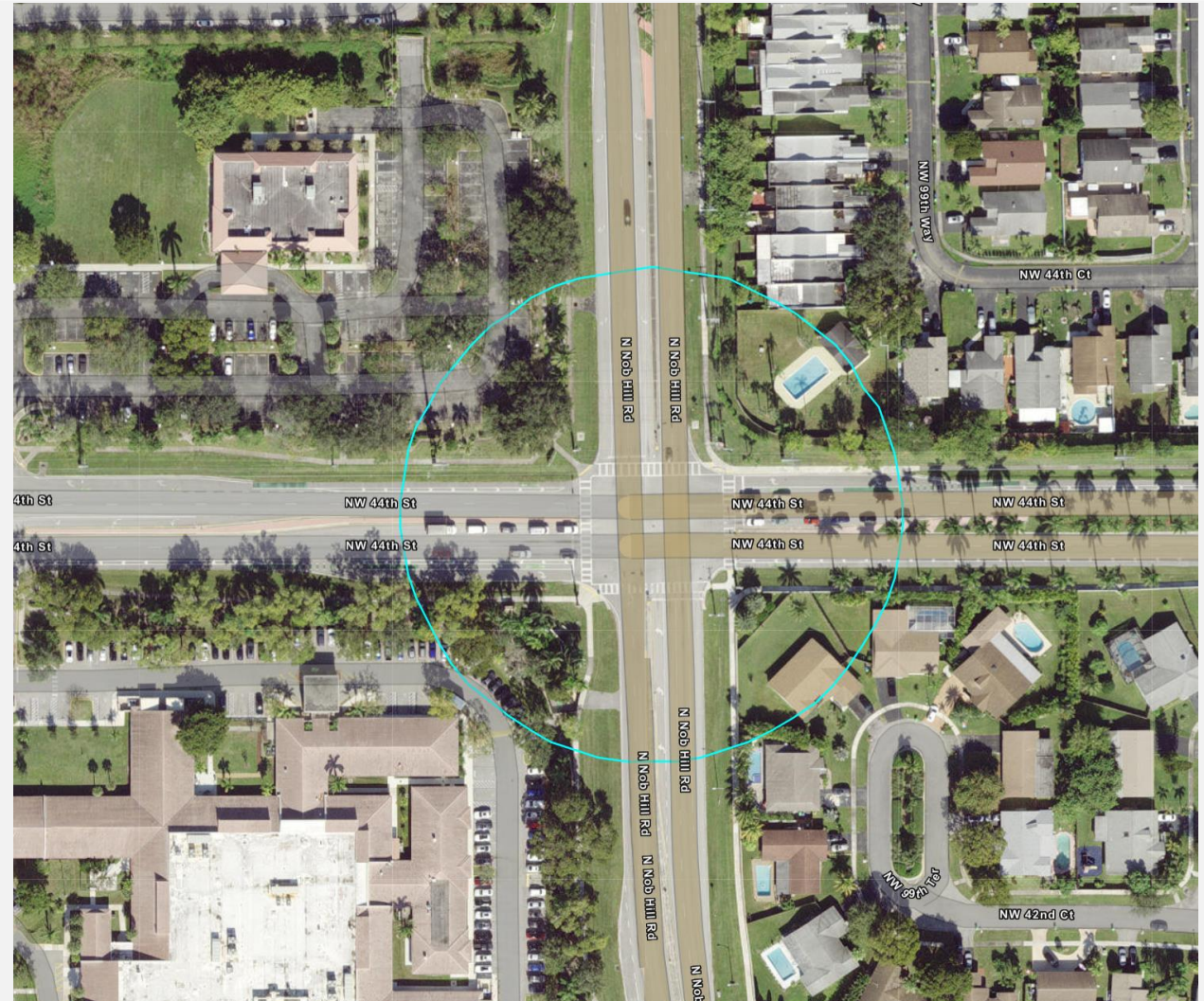
Construction Cost - \$1,290,000

FY24-28 Cap. Plan Construction Cost - \$1,290,000

Reasons for Change: N/A

FY2025 Budget Request:

\$1,290,000 for Construction



M26 Nob Hill Road Mast Arm @ Sunset Strip (Sunrise)

Convert traffic signal supports from span-wire to mast- arm support. Conversion may include mast-arm foundations, poles and arms, updated signals and equipment, ADA upgrades, milling and resurfacing, signing and pavement marking.

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

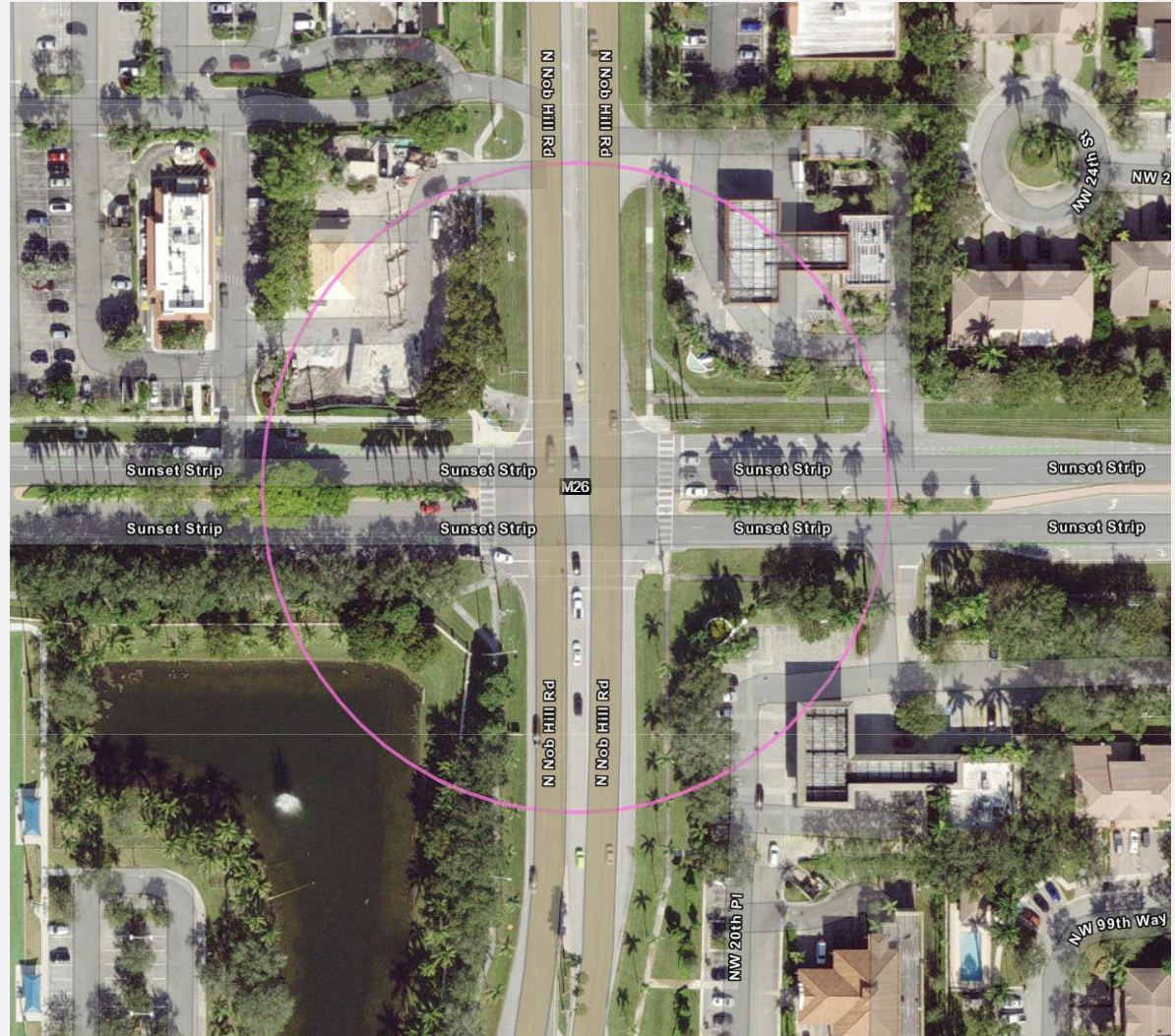
Design Cost - \$200,000

FY24-28 Cap. Plan Design Cost - \$200,000

Reasons for Change: N/A

FY2025 Budget Request:

\$200,000 for Design



M27 Stirling Road Mast Arm @ Hiatus Road (Cooper City)

Convert traffic signal supports from span-wire to mast-arm support. Conversion may include mast-arm foundations, poles and arms, updated signals and equipment, ADA upgrades, milling and resurfacing, signing and pavement marking.

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

Design Cost - \$200,000

FY24-28 Cap. Plan Design Cost - \$200,000

Reasons for Change: N/A

FY2025 Budget Request:

\$200,000 for Design



M48 NE 62nd Street Mast Arm @ NE 18th Avenue (Fort Lauderdale)

Convert traffic signal supports from span-wire to mast-arm support. This project is being implemented together with S25 and I103

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

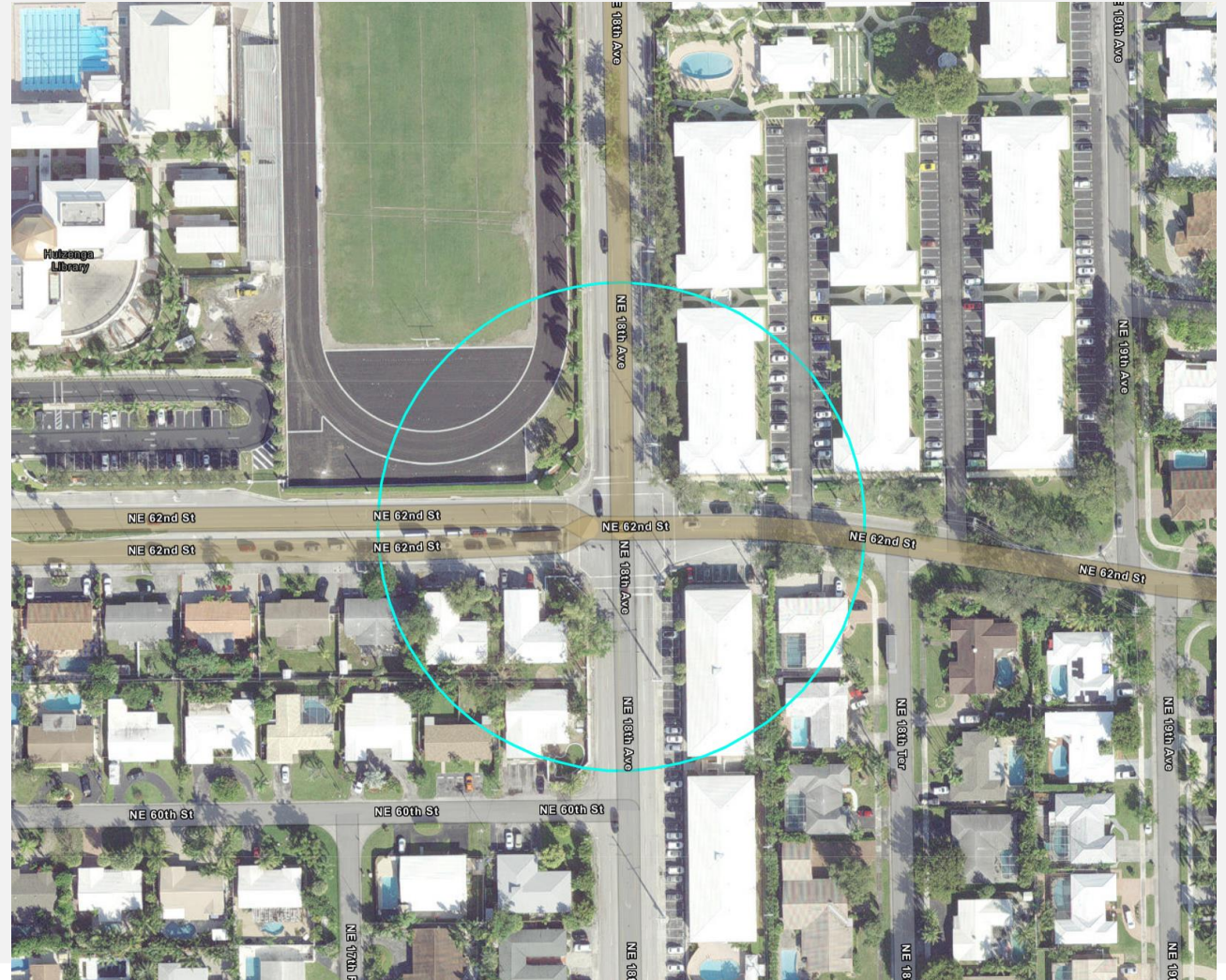
Construction Cost - \$600,000

FY24-28 Cap. Plan Construction Cost - \$600,000

Reasons for Change: N/A

FY2025 Budget Request:

\$600,000 for Construction



M59 Atlantic Boulevard Mast Arm @ Ramblewood Drive (Coral Springs)

Convert traffic signal supports from span-wire to mast- arm support. Conversion may include mast-arm foundations, poles and arms, updated signals and equipment, ADA upgrades, milling and resurfacing, signing and pavement marking.

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

Construction Cost - \$1,240,000

FY24-28 Cap. Plan Construction Cost - \$1,240,000

Reasons for Change: N/A

FY2025 Budget Request:

\$1,240,000 for Construction



M63 Miramar Parkway Mast Arm @ Fairmont Avenue (Miramar)

Convert traffic signal supports from span-wire to mast-arm support. Conversion may include mast-arm foundations, poles and arms, updated signals and equipment, ADA upgrades, milling and resurfacing, signing and pavement marking.

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

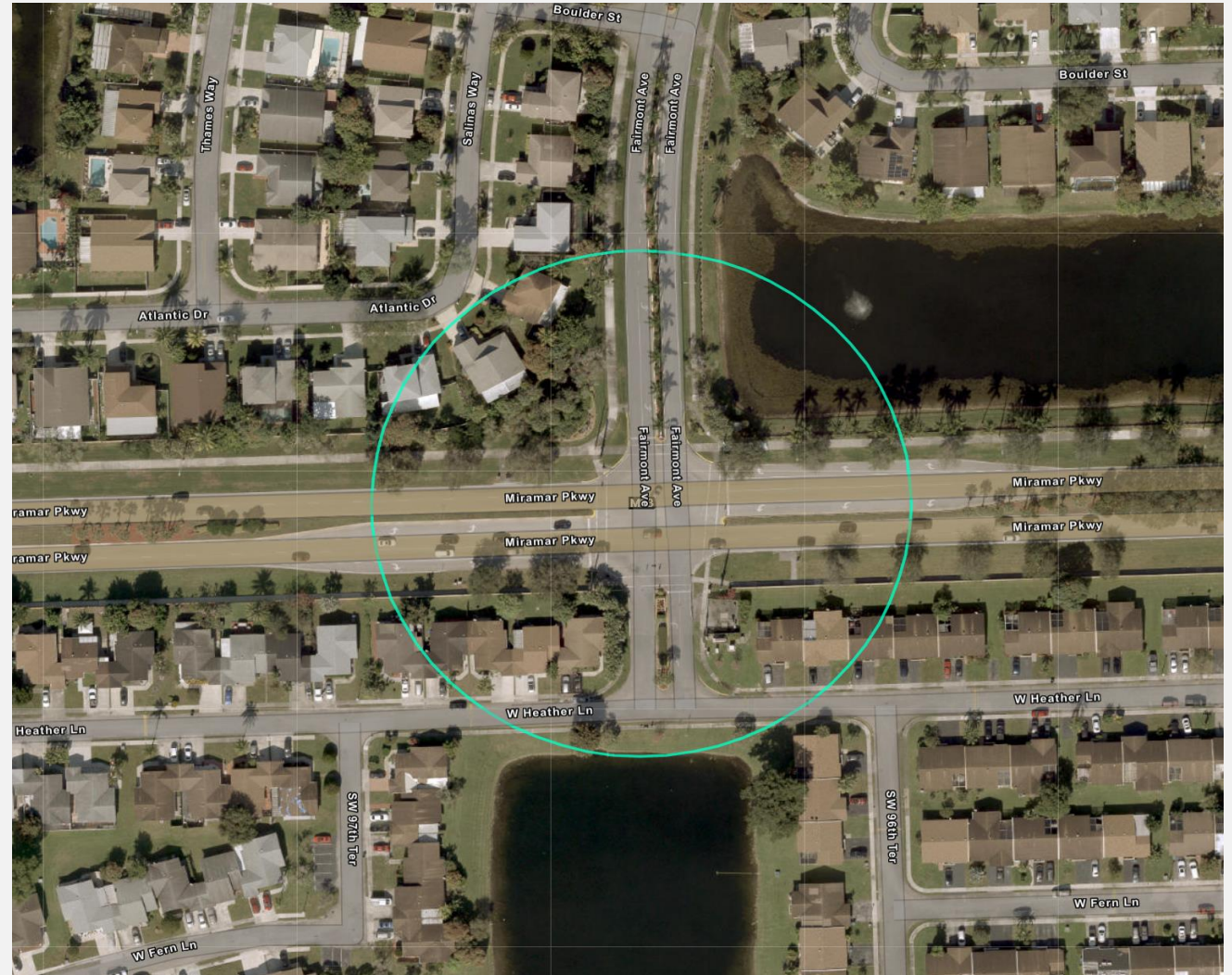
Construction Cost - \$1,100,000

FY24-28 Cap. Plan Construction Cost - \$1,100,000

Reasons for Change: N/A

FY2025 Budget Request:

\$1,100,000 for Construction



M64 Oakland Park Boulevard Mast Arm @ Joshlee Boulevard (NW 33rd Street) (Sunrise)

Convert traffic signal supports from span-wire to mast-arm support. Conversion may include mast-arm foundations, poles and arms, updated signals and equipment, ADA upgrades, milling and resurfacing, signing and pavement marking.

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

Design Cost - \$200,000

FY24-28 Cap. Plan Design Cost - \$200,000

Reasons for Change: N/A

FY2025 Budget Request:

\$200,000 for Design



L11 Nob Hill Road (SW 101st Avenue) Street-Lighting from Griffin Road to Whispering Pines Road (Davie)

Install lighting on Nob Hill Road to meet current road safety standards.

Schedule:

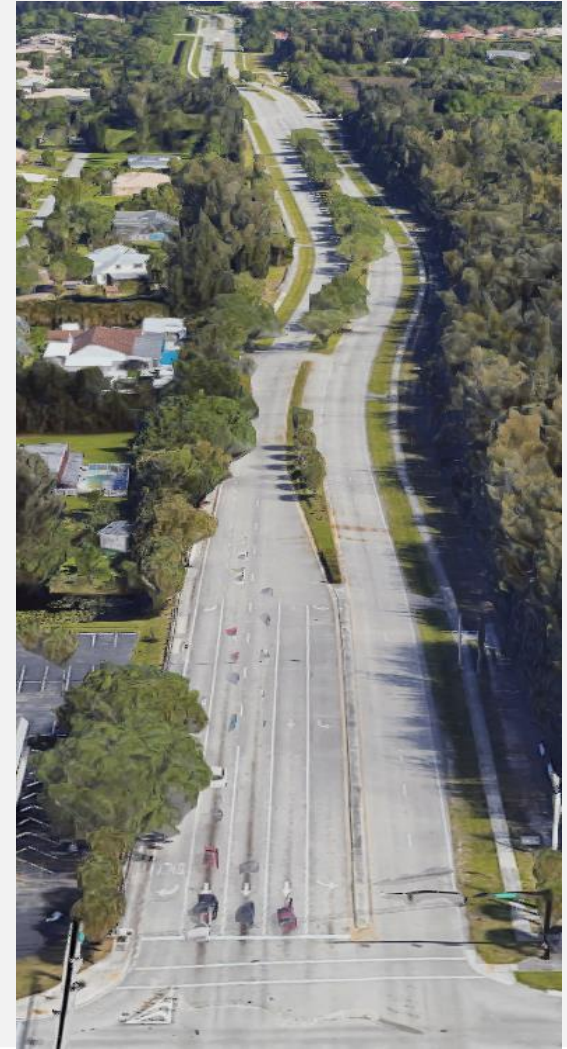
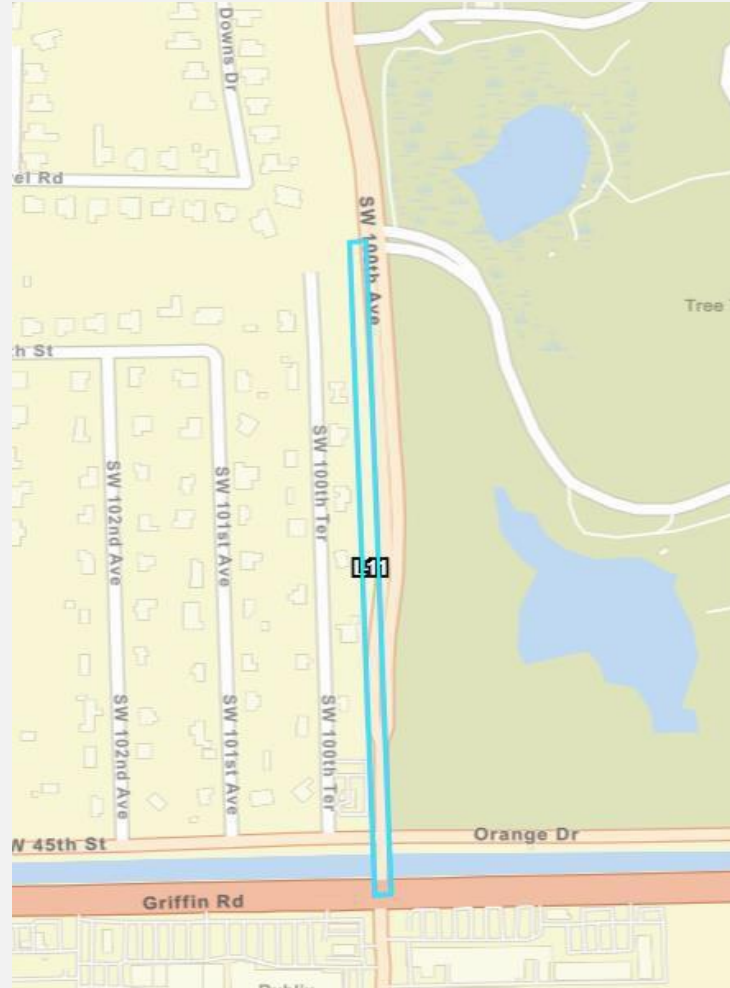
Construction Phase Start - 2025
FY24-28 Cap. Plan Start – 2025
Reasons for Change: N/A

Cost Estimate:

Construction Cost - \$470,000
FY24-28 Cap. Plan Construction Cost - \$470,000
Reasons for Change: N/A

FY2025 Budget Request:

\$470,000 for Construction



L12 Nob Hill Road Street-Lighting from NW 55th Street to Commercial Boulevard (Sunrise)

Install lighting on Nob Hill Road to meet current road safety standards.

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

Construction Cost - \$240,000

FY24-28 Cap. Plan Construction Cost - \$240,000

Reasons for Change: N/A

FY2025 Budget Request:

\$240,000 for Construction



L13 Nob Hill Road (Palm Avenue) Street-Lighting from south of Miramar Parkway to Homestead Ext. (Miramar)

Install lighting on Nob Hill Road to meet current road safety standards.

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

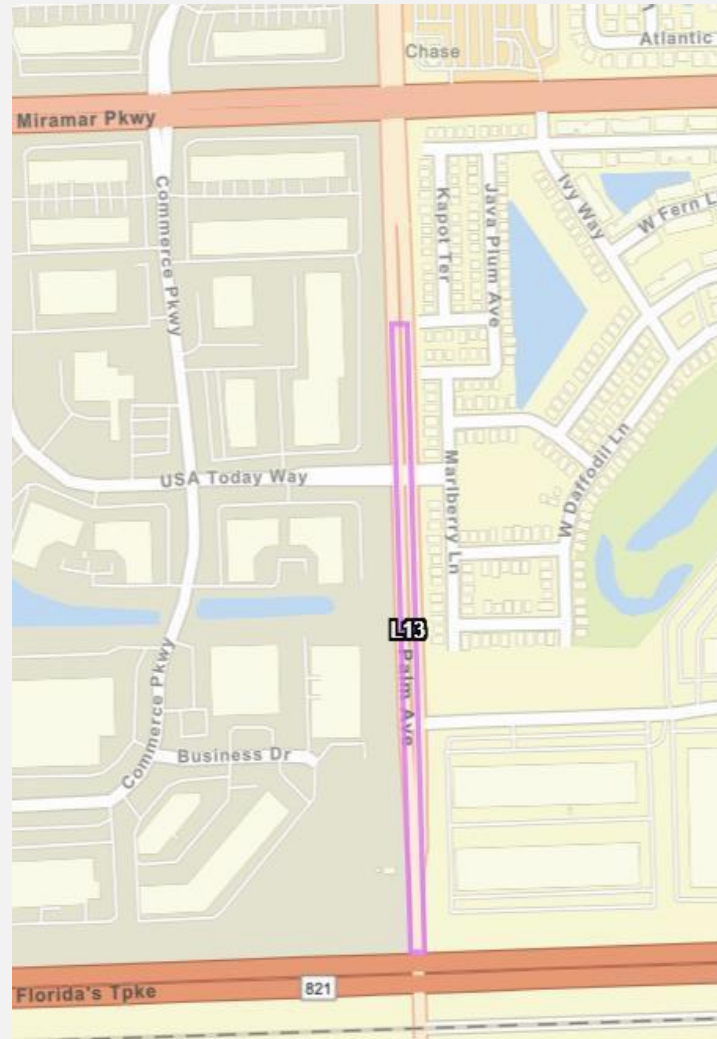
Construction Cost - \$390,000

FY24-28 Cap. Plan Construction Cost - \$390,000

Reasons for Change: N/A

FY2025 Budget Request:

\$390,000 for Construction



S13 Flamingo Road Drainage & Missing Sidewalks from Miami-Dade County Line to Florida's Turnpike (Miramar)

Install drainage, milling and resurfacing, missing sidewalks, bike lanes, signing and pavement markings.

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

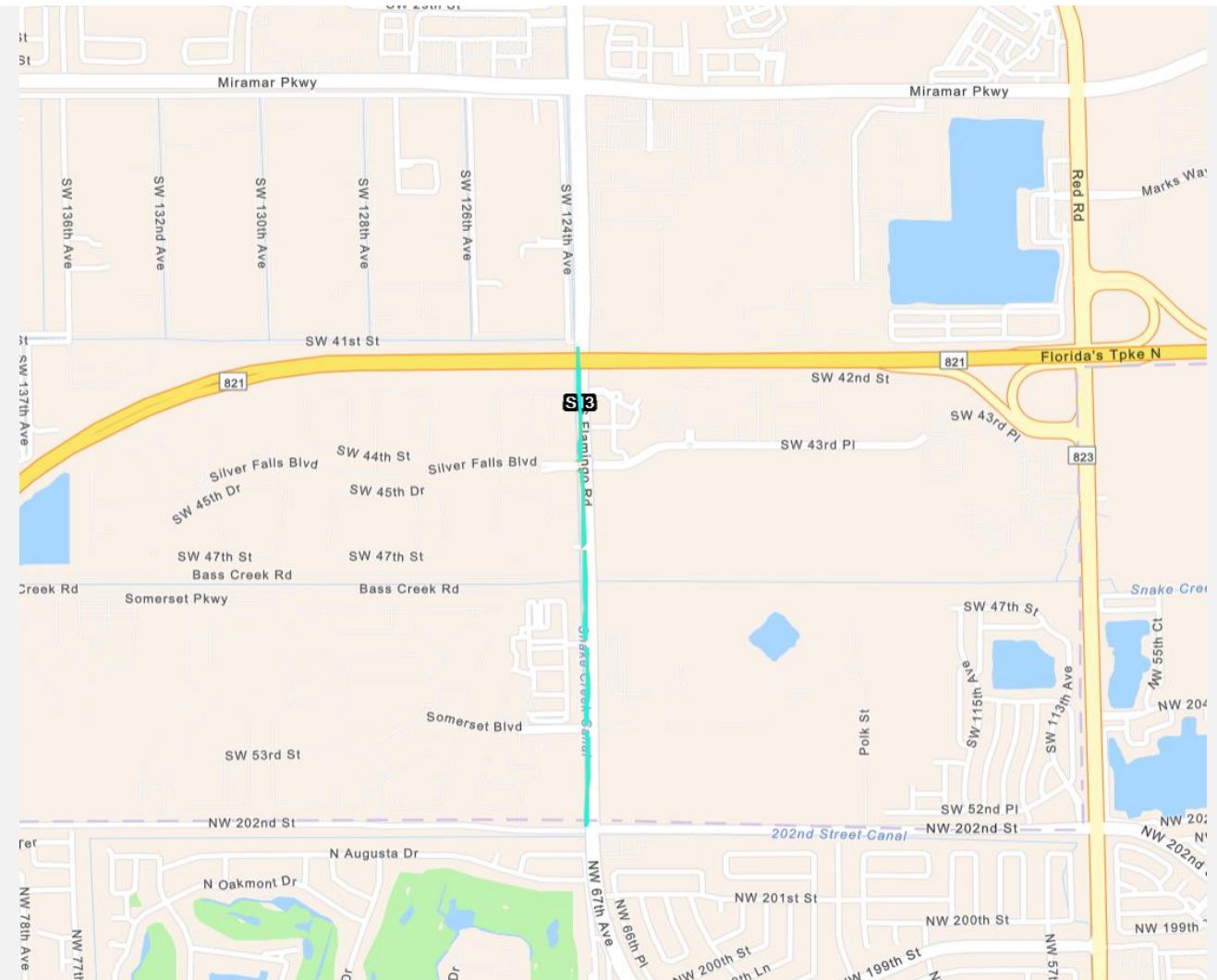
Construction Cost - \$1,330,000

FY24-28 Cap. Plan Construction Cost - \$1,330,000

Reasons for Change: N/A

FY2025 Budget Request:

\$1,330,000 for Construction



S14 Flamingo Road Drainage & Missing Sidewalks from Florida's Turnpike to Miramar Parkway (Miramar)

Install drainage, milling and resurfacing, missing sidewalks, bike lanes, signing and pavement markings.

Schedule:

Design Phase Start – 2025

Construction Phase Start – 2025

FY24-28 Cap. Plan Start – 2025 /2027

Reasons for Change: Project can be completed within the same year

Cost Estimate:

Design Cost – \$80,000

Construction Cost - \$900,000

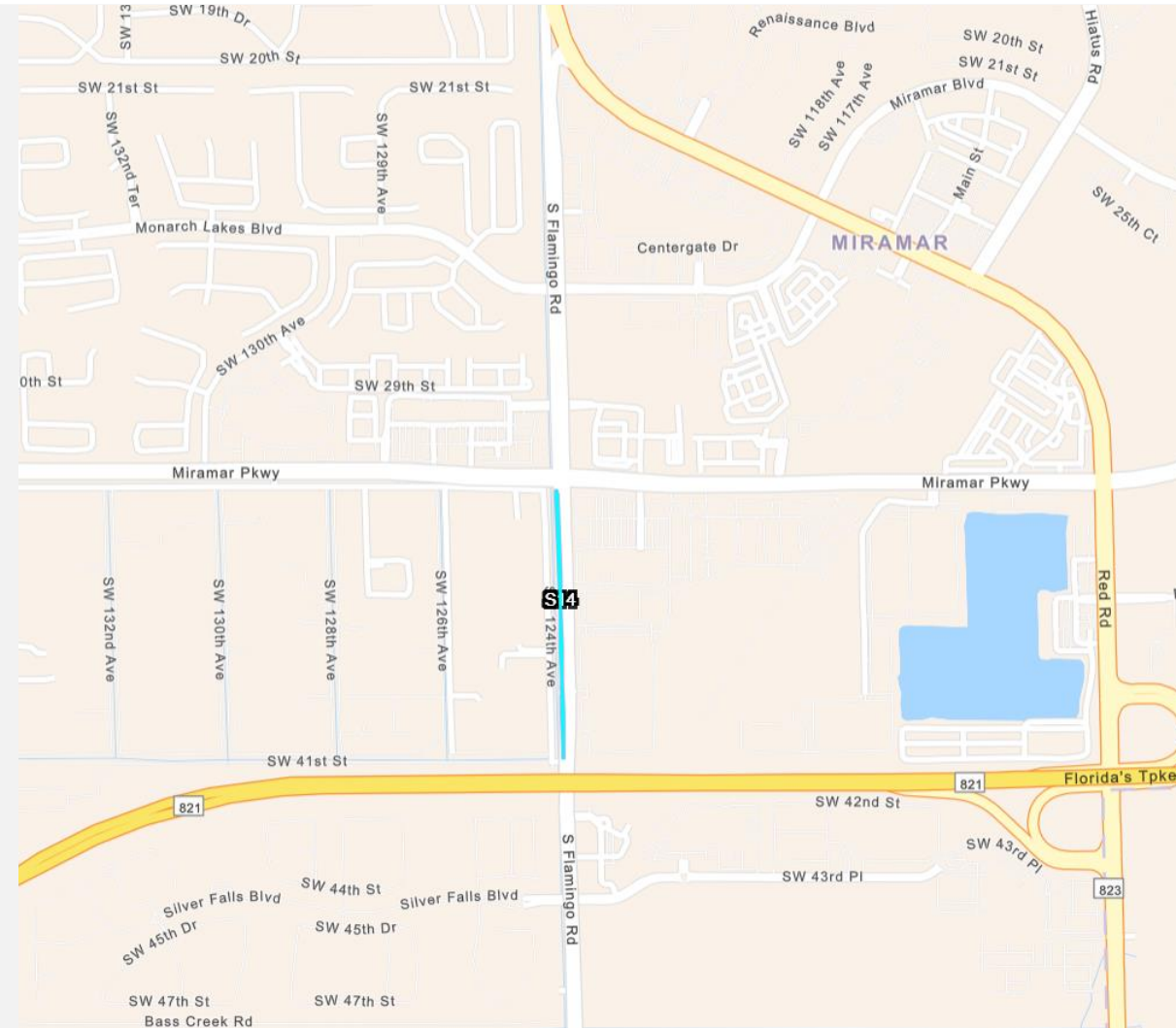
FY24-28 Cap. Plan Design Cost – \$80,000

FY24-28 Cap. Plan Construction Cost – \$900,000

FY2025 Budget Request:

\$80,000 for Design

\$900,000 for Construction



S15 Flamingo Road Drainage & Missing Sidewalks from Miramar Parkway to Pembroke Road (Miramar)

Install drainage, milling and resurfacing, missing sidewalks, bike lanes, signing and pavement markings.

Schedule:

Construction Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

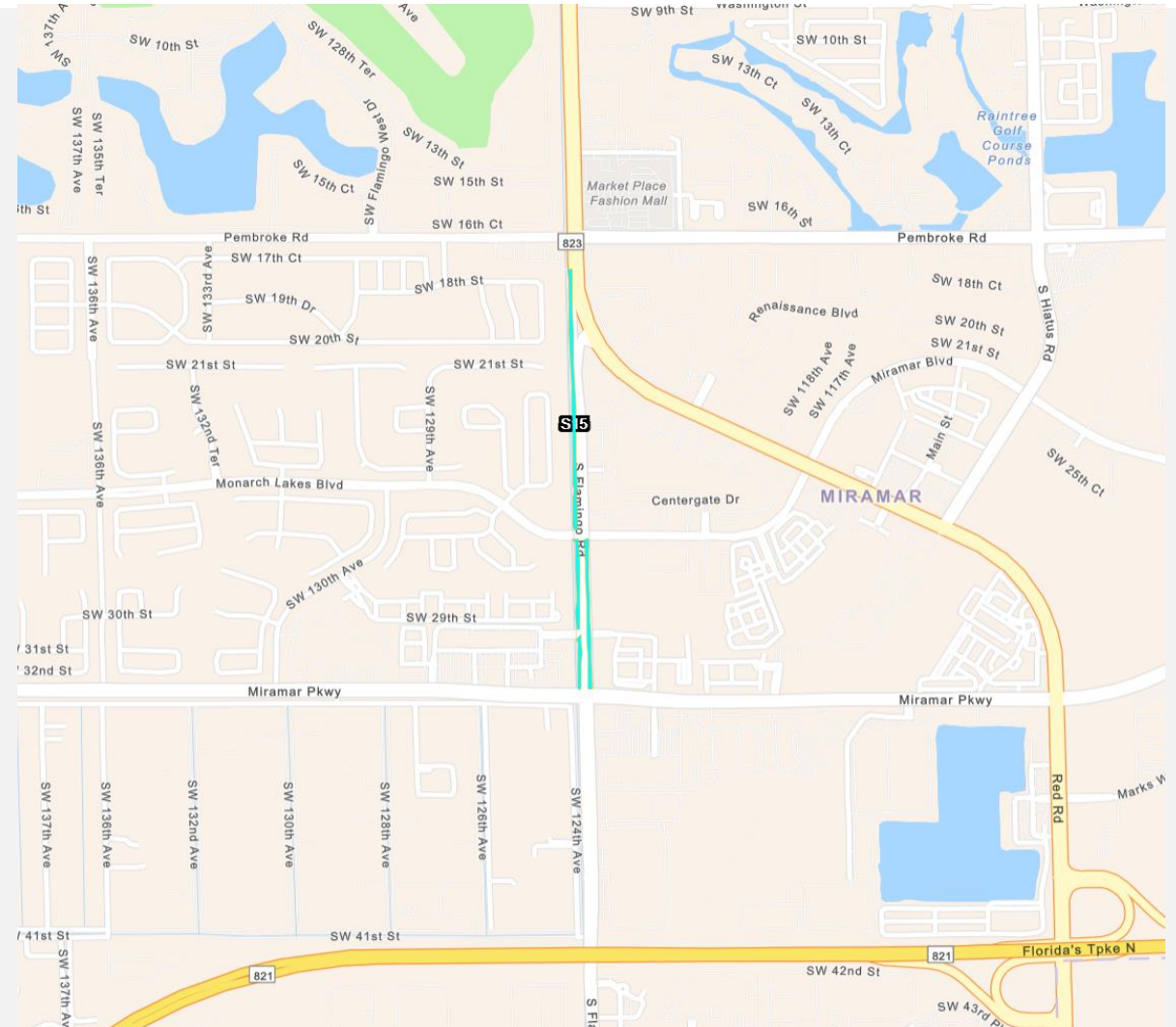
Construction Cost - \$1,610,000

FY24-28 Cap. Plan Construction Cost - \$1,610,000

Reasons for Change: N/A

FY2025 Budget Request:

\$1,610,000 for Construction



S25 Cypress Creek Road Drainage & Missing Sidewalks from NE 18th Avenue to US-1 (Fort Lauderdale)

Install drainage, milling and resurfacing, missing sidewalks, bike lanes, signing and pavement markings. This project is advanced and will be implemented together with M48 and I103 (bundle)

Schedule:

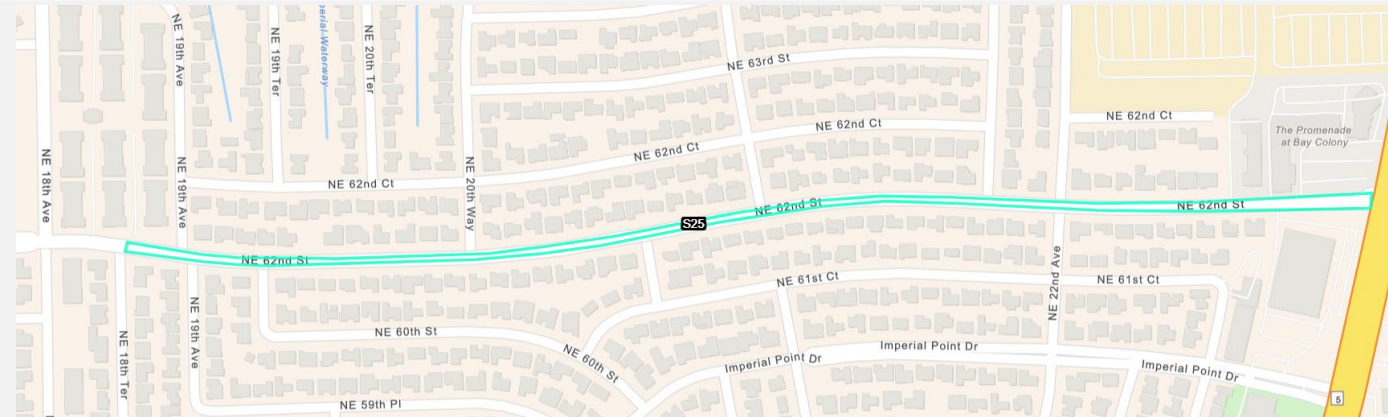
Construction Phase Start - 2025
FY24-28 Cap. Plan Start – 2025
Reasons for Change: N/A

Cost Estimate:

Construction Cost - \$2,340,000
FY24-28 Cap. Plan Construction Cost - \$2,340,000
Reasons for Change: N/A

FY2025 Budget Request:

\$2,340,000 for Construction



S31 Riverland Road Drainage & Missing Sidewalks from SW 21st Street to Davie Boulevard (Fort Lauderdale)

Replace aged pipes and add new stormwater pipes, swale-exfiltration trenches, french drains, and sidewalk.

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – 2028

Reasons for Change: Schedule is advanced to coordinate with Fort Lauderdale drainage project

Cost Estimate:

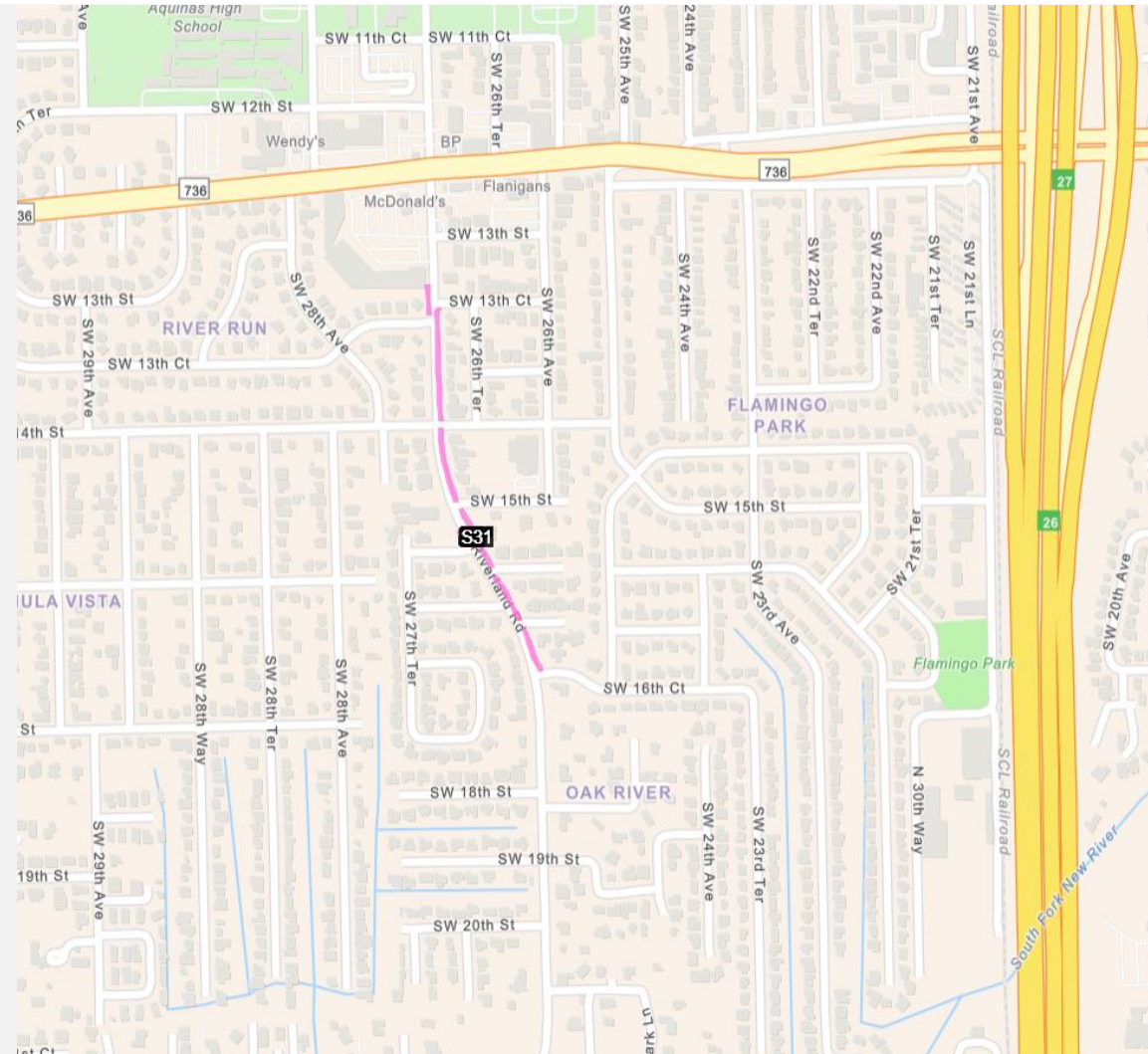
Design Cost - \$1,000,000

FY24-28 Cap. Plan Design Cost - \$80,000

Reasons for Change: Scope is increased to install comprehensive drainage improvements in conjunction with Fort Lauderdale

FY2025 Budget Request:

\$1,000,000 for Design



ZG24 School Zone Improvements – Construction Countywide



New school-zone infrastructure meeting current operational standards and safety. Including; mast-arm or ground-mount flashers, conversion of school-zone signs to flashing signs, signing and pavement marking, and refurbishing outdated equipment

Schedule:

Construction Phase Start - 2025
FY24-28 Cap. Plan Start – 2025
Reasons for Change: N/A

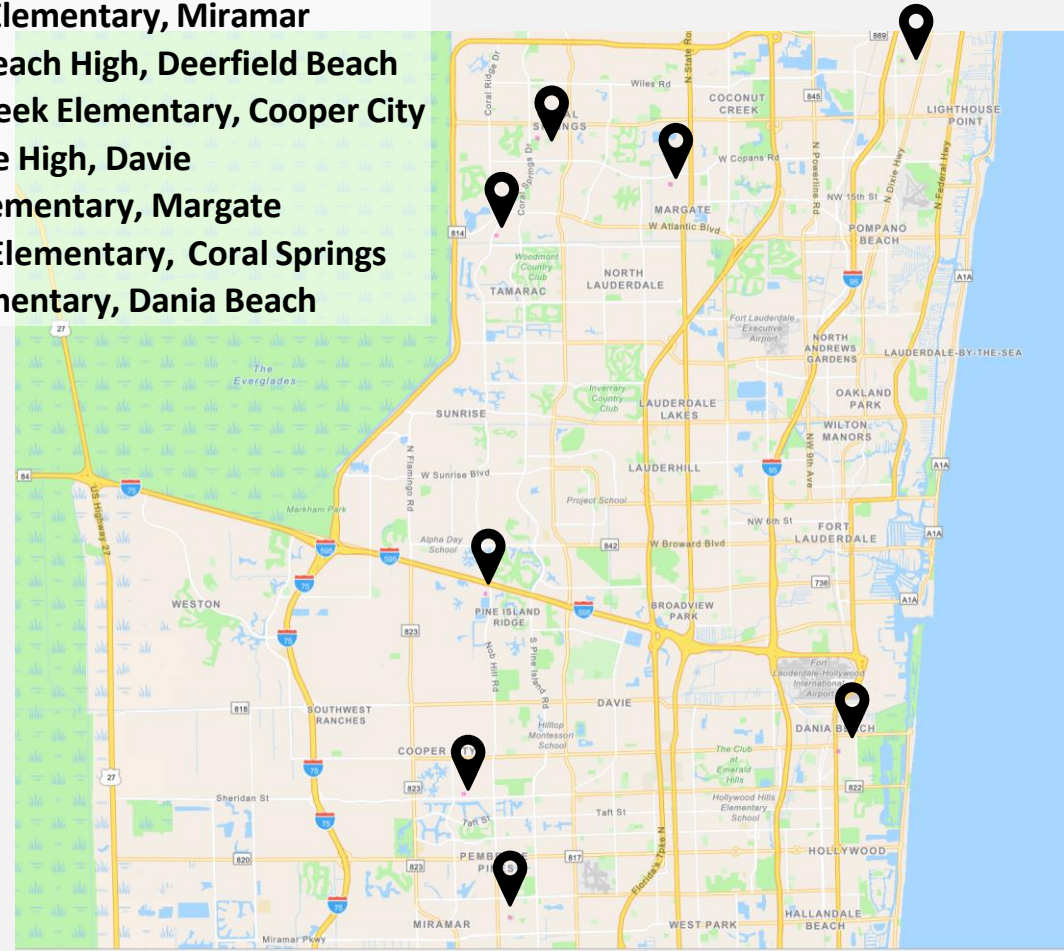
Cost Estimate:

Construction Cost - \$2,060,000
FY24-28 Cap. Plan Construction Cost - \$2,060,000
Reasons for Change: N/A

FY2025 Budget Request:

\$2,060,000 for Construction

- Z40- Parkside Elementary, Coral Springs
- Z41- Sea Castle Elementary, Miramar
- Z47- Deerfield Beach High, Deerfield Beach
- Z49- Embassy Creek Elementary, Cooper City
- Z50- Indian Ridge High, Davie
- Z51- Margate Elementary, Margate
- Z101- Riverside Elementary, Coral Springs
- Z102- Dania Elementary, Dania Beach



ZG25 School Zone Improvements – Design Countywide

Perform site review, evaluate traffic and pedestrian conditions, and design school zone improvements as needed at 8 locations.

Schedule:

Design Phase Start - 2025

FY24-28 Cap. Plan Start – 2025

Reasons for Change: N/A

Cost Estimate:

Design Cost - \$490,000

FY24-28 Cap. Plan Design Cost - \$490,000

Reasons for Change: N/A

FY2025 Budget Request:

\$490,000 for Design



FY 2025 Cost Estimate Changes - Summarized

Public Works Capital Projects

- 28 projects had no change to project cost estimates
- 11 projects saw cost increases totaling \$20.6M
- 3 **new** projects (2 safety and 1 drainage related) totaling \$5.6M
- 1 project saw cost decreases totaling \$9.04M

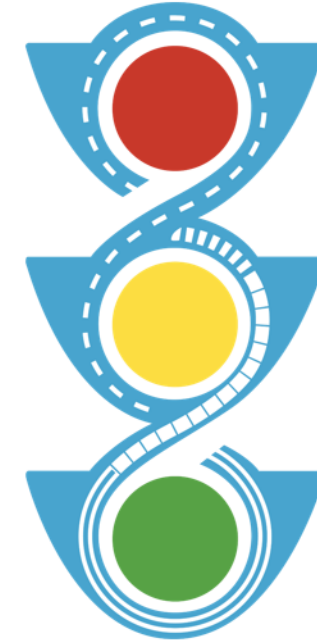
Total impact to Public Works FY 2025 program = \$17.16M

Discussion?

Q&A?

Municipal Projects

FY 2025



MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation

Municipal Projects Programmed for Surtax Funding FY2025

| RANK | MUNICIPALITY | PROJECT ID | 5YP PHASE(S) | FY 2025 |
|-----------|------------------------|---------------------------|-----------------|---------------|
| 34- 37 | Miramar/Pembroke Pines | MIRA-001 (-002,-003,-004) | Construction | \$ 10,000,000 |
| 38 & 88 | Fort Lauderdale | FORT-108 (-113) | Construction | \$ 2,762,500 |
| 40 | Coral Springs | CORA-097 | Design & Const. | \$ 250,000 |
| 46 | Pembroke Pines | PPIN-039 | Design & Const. | \$ 531,750 |
| 48 | Lauderdale Lakes | LLAK-006 | Construction | \$ 722,500 |
| 49 | Wilton Manors | WILT-009 | Construction | \$ 5,100,000 |
| 50 | Sunrise | SUNR-055 | Construction | \$ 3,960,000 |
| 51 | Pembroke Park | PPRK-010 (-008,-009) | Construction | \$ 1,909,497 |
| 56 | Tamarac | TAMA-008 | Construction | \$ 3,825,000 |
| 57 | Lighthouse Point | LHP-010 (-008,-009) | Design & Const. | \$ 1,912,500 |
| 65 | Coral Springs | CORA-098 | Design & Const. | \$ 250,000 |
| 66 | Hollywood | HOLL-038 | Design & Const. | \$ 4,250,000 |
| 81&103 | Cooper City | COOP-024 (-042 + R&M-001) | Construction | \$ 1,408,000 |
| 83 | Margate | MARG-047 | Construction | \$ 880,000 |
| 89 | Coral Springs | CORA-102 | Construction | \$ 330,000 |
| 96 | Coconut Creek | COCO-016 | Construction | \$ 2,424,400 |
| C3-R&M-04 | Coral Springs | CORA-2020-002 | Construction | \$ 1,712,582 |

Legend:

Pursuant to Sec. V.C.2 and V.D. of the 2nd Amendment to the ILA the following actions, requested and approved by municipalities are occurring within the Five-Year Plan :

Programmed in an earlier year due to readiness review

Discussion?

Q&A?

**Broward County Innovation
Unit, Resilient Environment
Department/MAP
Administration**

FY 2025 Budget Request



MAP Broward
Mobility Advancement Program
Brought to you by the
Penny For Transportation

Innovation Unit within Resilient Environment Department

Requesting surtax funds to support mobility-related initiatives

- IoT (Internet of Things) Sensors - \$150,000:

Create a network of IoT sensors to reflect real-time impacts upon roadways, multi-modal transportation networks, and experiences of residents and visitors.

- Collaborate with County agencies and academic partners to identify sensor types (climate impacts – flooding, heat, and rainfall; multi-modal – pedestrian counts) and deployment locations
 - Receive and analyze data for effective utilization for predictive and real-time early detection and warning
 - Create visualization reports and graphics for decision-making and public information
- Staffing - \$87,500:
Upgrading an existing part-time (PT-19) position to a full-time position to provide shared support to the Innovation Unit and MAP Admin for collaborative projects, to include data collection, analyses, reporting, and visualization, and sensor management.



Discussion?

Q&A?

Adjourn August 2, 2024 Budget Workshop