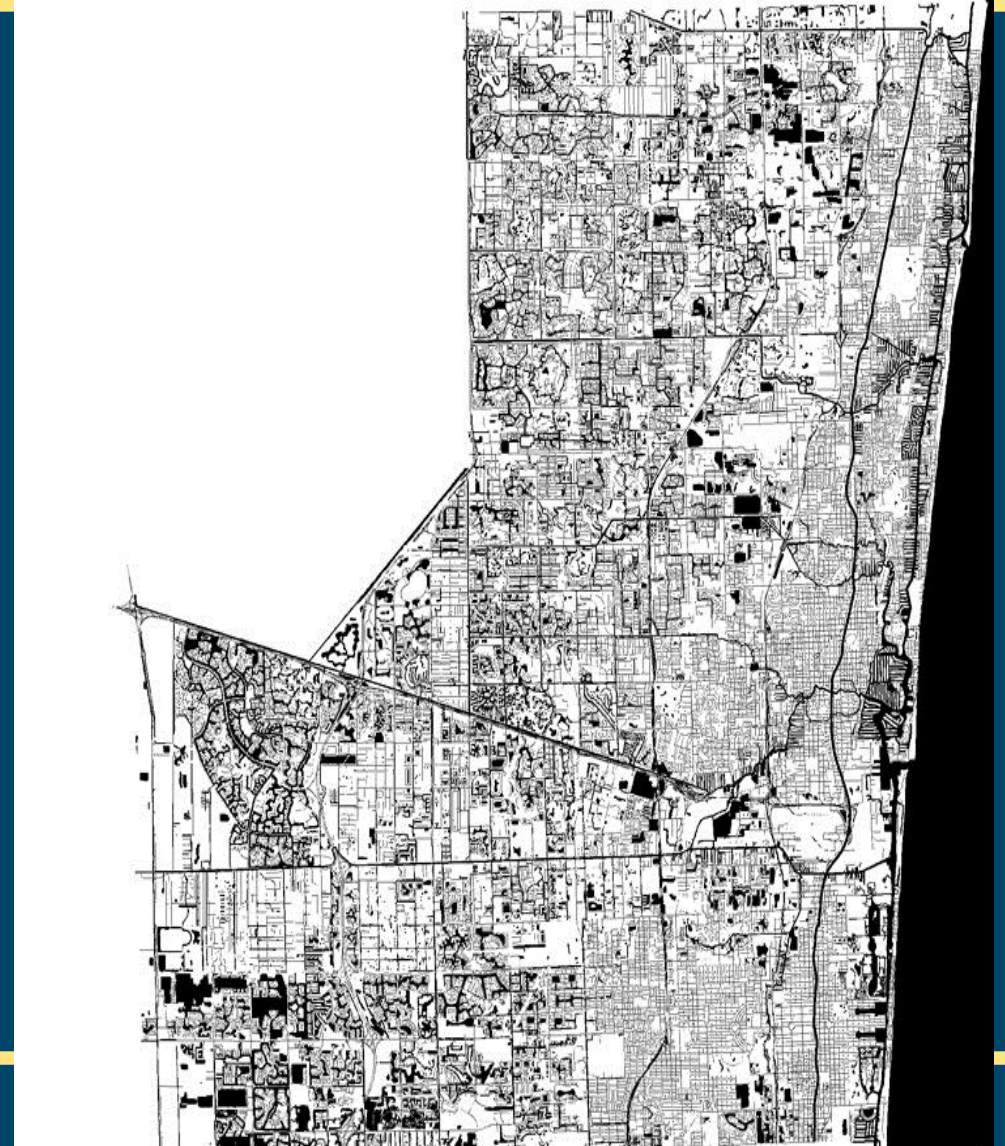


# DRAFT Proposed Plan for Regional Mobility & Transportation Enhancements

## MASTER SLIDESHOW

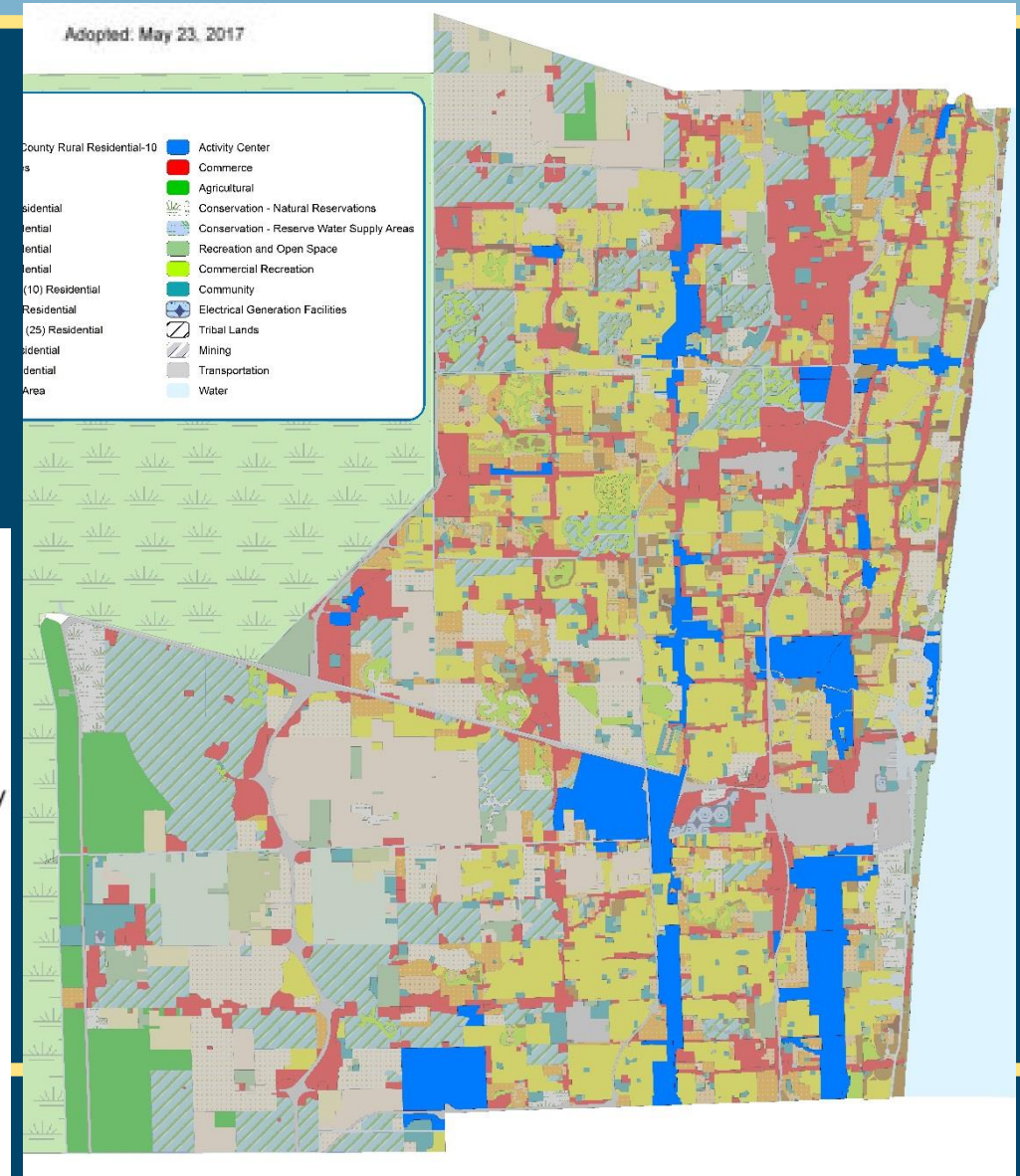
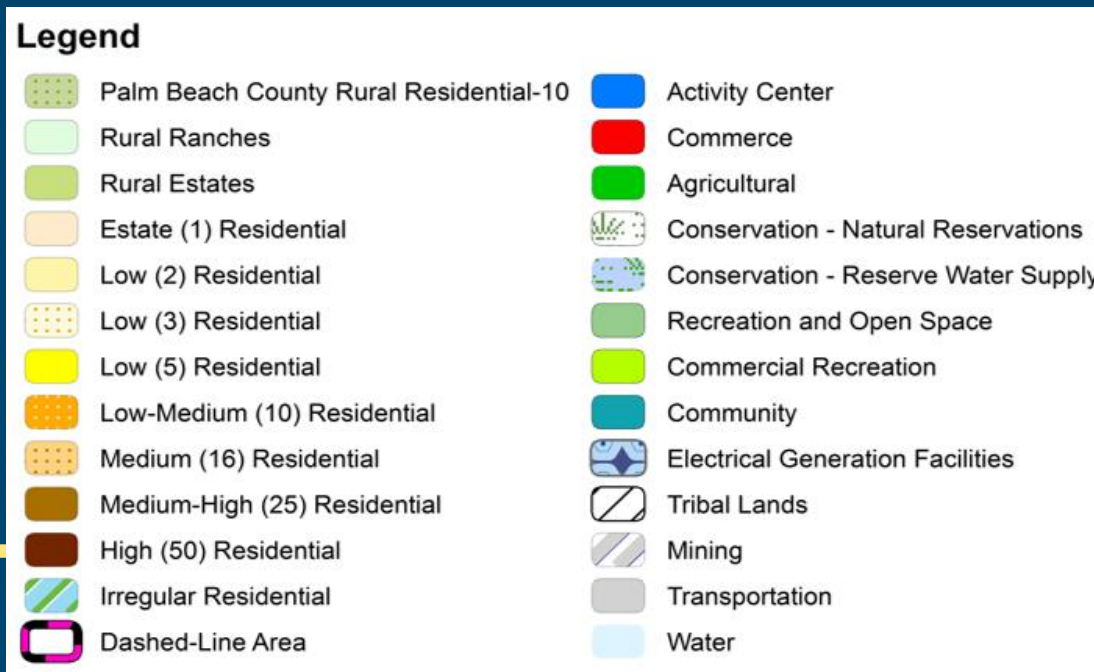
# Broward County – Built-out, but still growing

- Population 1.92 million
- <10 sq. miles of vacant land
- Conservation Area precludes westward growth
- Future growth will be redevelopment:
  - Increased density
  - Mixed use
  - Transit-oriented



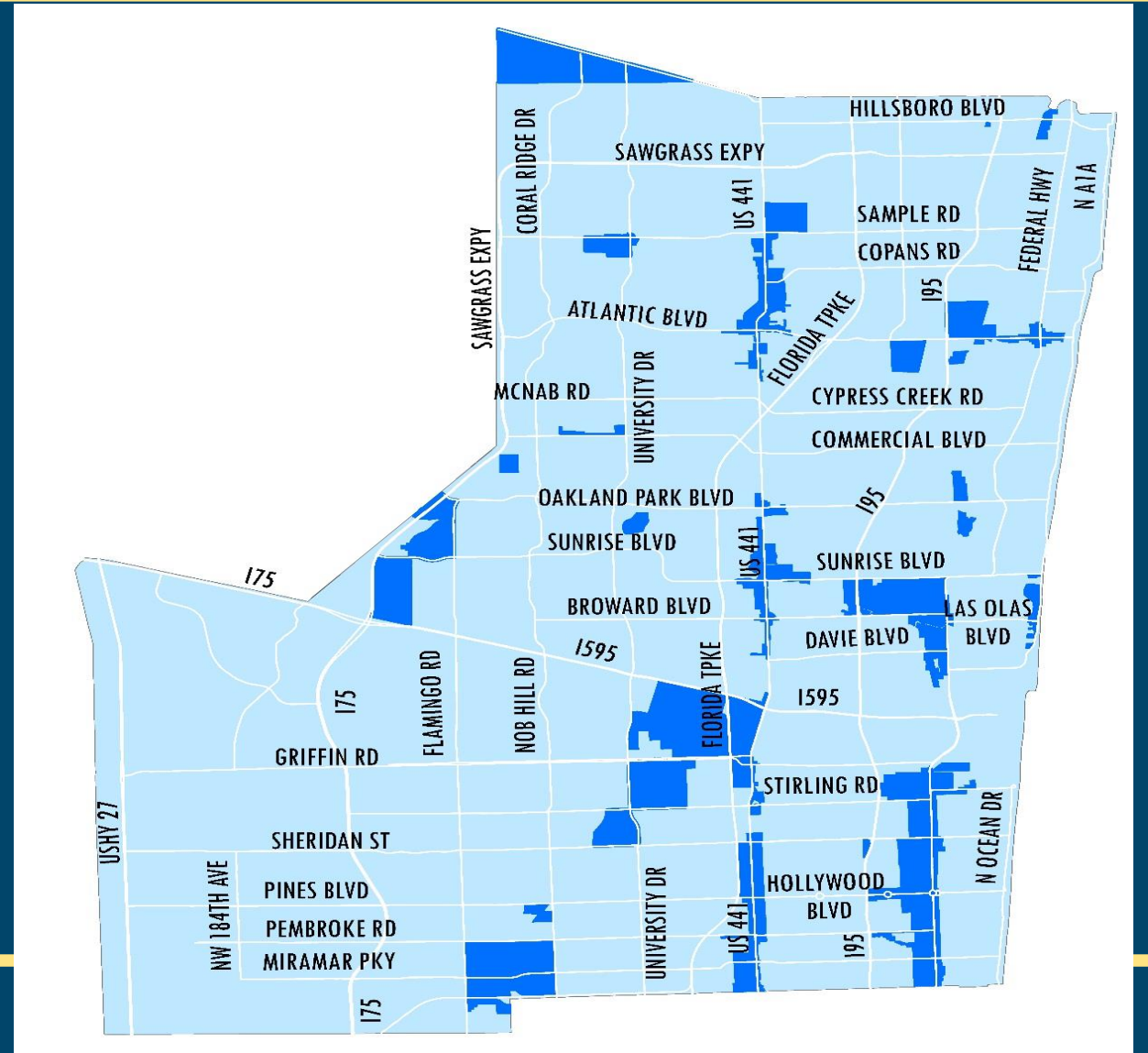
# Planning for Growth – Broward Future Land Use

- Activity Centers (Blue)
  - Existing & planned downtowns
  - Targeted redevelopment
  - Major transit corridors & hubs



# Future Growth Areas

- Highlighted by:
  - Higher density
  - **Mixed use including residential**
  - **Affordable housing**
  - Support multi-modal trips
- Includes Activity Centers:
  - Deerfield Beach Station & Pioneer Grove
  - Coconut Creek Main Street
  - Coral Springs Downtown
  - Pompano Beach Downtown, East, North, John Knox Village & South
  - Fort Lauderdale
  - Hollywood
  - Sunrise
  - Plantation
  - Lauderhill
  - Pembroke Pines



# Developing a Transportation Path Forward

- Transportation consultants (Atkins) reviewed current MPO Long Range Transportation Plan, Transit Development Plan, Florida Transportation Plan (FLP), 5-year work plan, 2016 Surtax Plans, BrowardNext, as well as other planning documents, during June and July 2017
- Consultants interviewed subject matter experts at FDOT District 4, Broward County Public Works, and Transportation agencies
- FDOT District 4 and Broward County staff participated in a 2-day consultant-facilitated retreat to review various modes of transportation, innovations, best practices, as well as opportunities to collaborate on State roads--creating connectivity and greatest positive impacts to public

# Developing a Transportation Path Forward

## Post-Retreat –

- Projects were identified and costing reviews with FDOT consultants occurred
- Received recommendations from consultants about assumptions based on existing federal rating criteria and bus service costing models
- Review of city projects contained within 2016 surtax 30-year initiative and inclusion of those that support transportation improvement (and are eligible under statutory language for local option sales tax transportation projects)
- Planning horizon of 30 years used for model assumptions
- GIS mapped and coded projects into layers
- Consultants being acquired to validate rail assumptions and develop visual modeling of certain Plan elements (Spring 2018)

# The Bigger Picture: How Broward Stacks Up

- Florida Statutes permit a variety of Local Discretionary Sales Surtaxes
- Of Florida's 67 counties, 62 have levied a surtax at some point in the last ten years. **Broward has not.** In 2018, 56 of 67 counties are levying one or more of the following:
  - Charter County & Regional Transportation System Surtax per F.S. 212.055(1) allows 31 eligible counties to levy any % up to 1%-- currently levied by Duval, Miami-Dade
  - Local Government Infrastructure Surtax per F.S. 212.055(2) allows all 67 counties to levy at either .5% or 1%--currently 25 counties are levying; 18 are at the full 1%
  - Small County Surtax per 212.055(3) allows 31 eligible counties to levy at either .5% or 1%--currently 29 are levying, 28/29 at the full 1%
  - Indigent Care and Trauma Center per F.S. 212.055(4) allows 65 eligible counties to levy up to .25%, .5%--only one is levying
  - Indigent Care Surtax per F.S 212.055(5) allows 60 eligible counties to levy up to .5%, 1% and four counties are levying
  - County Public Hospital Surtax—only Miami-Dade is eligible and levying at .5%

# Broward County Ranks #67/67 in per Capita Road and Street Expenditures

\* list inclusive of Florida  
counties with populations of  
75,000+

Source: Florida Association of  
Counties

County	2015 Population	2015 Road/Street Facilities Expenditures	2015 Road/Street Facilities Expenditures per Capita
Alachua	254,893	\$ 17,187,291	\$ 67.43
<b>Broward</b>	<b>1,827,367</b>	<b>\$ 62,472,000</b>	<b>\$ 34.19</b>
Charlotte	167,141	\$ 77,968,960	\$ 466.49
Collier	343,802	\$ 62,807,431	\$ 182.68
Dade	2,653,934	\$ 110,454,807	\$ 41.62
Duval	905,574	\$ 33,738,725	\$ 37.26
Hillsborough	1,325,563	\$ 97,647,986	\$ 73.67
Indian River	143,326	\$ 29,812,672	\$ 208.01
Lee	665,845	\$ 57,671,900	\$ 86.61
Leon	284,443	\$ 22,942,287	\$ 80.66
Manatee	349,334	\$ 50,436,000	\$ 144.38
Martin	150,062	\$ 12,430,118	\$ 82.83
Monroe	74,206	\$ 12,993,107	\$ 175.10
Orange	1,252,396	\$ 149,772,491	\$ 119.59
Osceola	308,327	\$ 52,976,638	\$ 171.82
Palm Beach	1,378,417	\$ 63,315,954	\$ 45.93
Pasco	487,588	\$ 72,878,788	\$ 149.47
Pinellas	944,971	\$ 52,251,990	\$ 55.29
Saint Johns	213,566	\$ 40,105,962	\$ 187.79
Saint Lucie	287,749	\$ 24,371,660	\$ 84.70
Santa Rosa	162,925	\$ 13,926,492	\$ 85.48
Sarasota	392,090	\$ 62,242,678	\$ 158.75
Seminole	442,903	\$ 41,716,772	\$ 94.19
Volusia	510,494	\$ 35,116,437	\$ 68.79

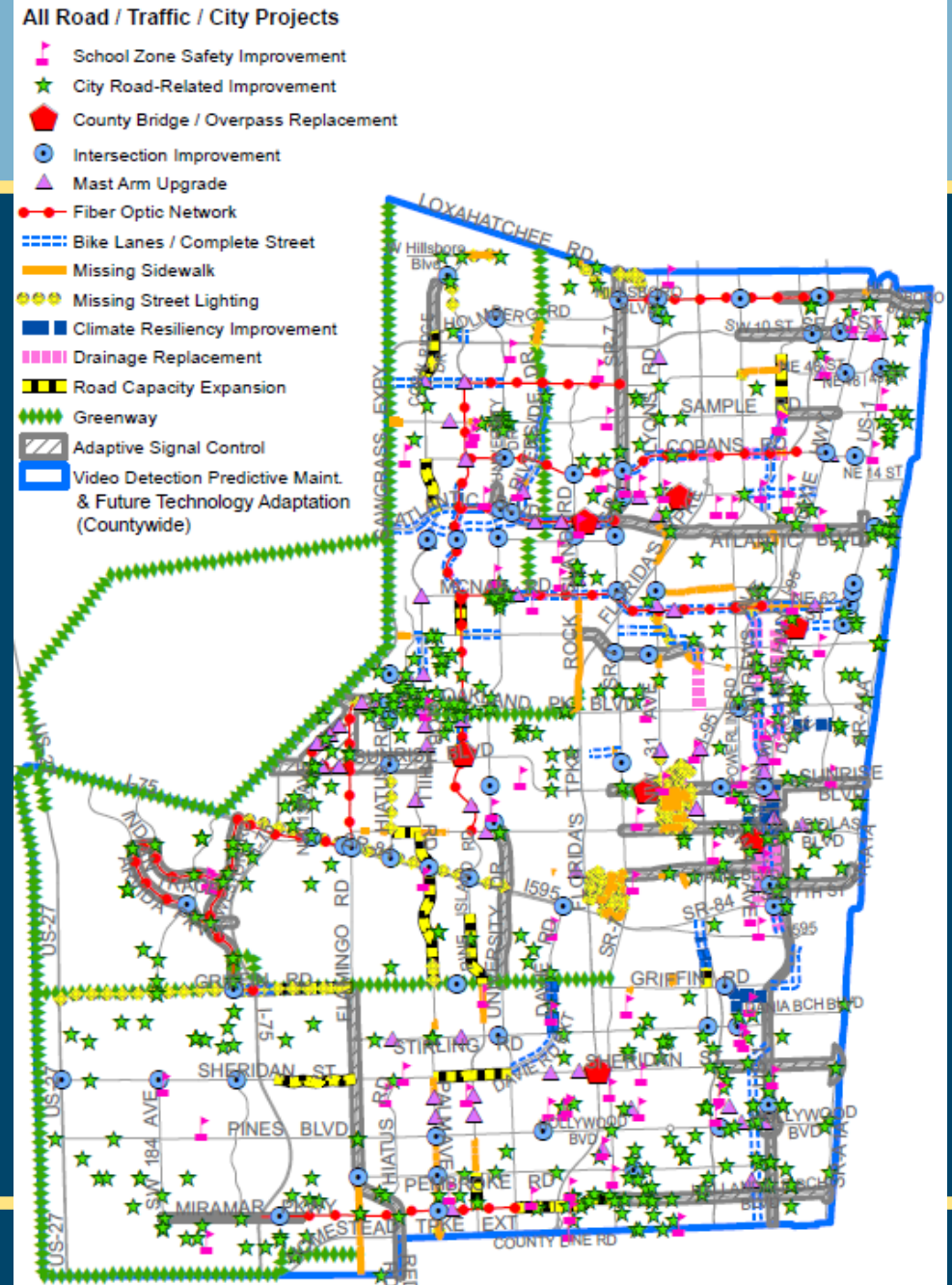




# The Bigger Picture: How Broward Stacks Up

- Broward ranks **8/67** for the percentage of funds spent on transportation as a function of total funds spent; transit and paratransit Operations & Maintenance expenditures push Broward County up in this ranking
- Property taxes currently support \$30+M of transit expenditures
- Miami-Dade (which levies two surtaxes) spends approximately three times as much as Broward in total transportation expenditures (\$1.46 billion vs. \$515 million)
- That larger amount actually represents a smaller percent of Miami-Dade's total budgetary expenditures compared to Broward (**15.02% Miami-Dade vs 20.28% Broward**)

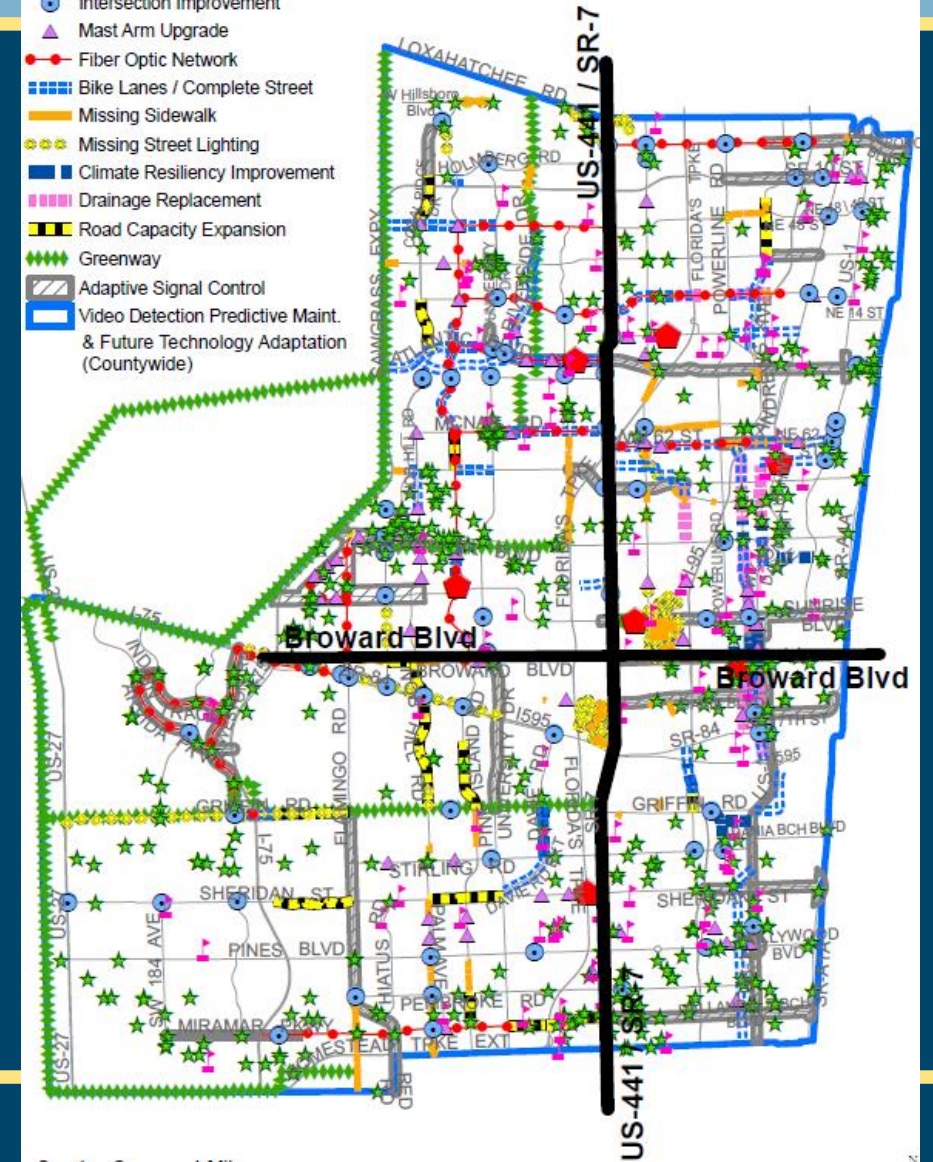
# All Road/Traffic/City-Requested Projects



# Road/Traffic/City- Requested Projects By Quadrant

## All Road / Traffic / City Projects

-  School Zone Safety Improvement
-  City Road-Related Improvement
-  County Bridge / Overpass Replacement
-  Intersection Improvement
-  Mast Arm Upgrade
-  Fiber Optic Network
-  Bike Lanes / Complete Street
-  Missing Sidewalk
-  Missing Street Lighting
-  Climate Resiliency Improvement
-  Drainage Replacement
-  Road Capacity Expansion
-  Greenway
-  Adaptive Signal Control
-  Video Detection Predictive Maint. & Future Technology Adaptation (Countywide)



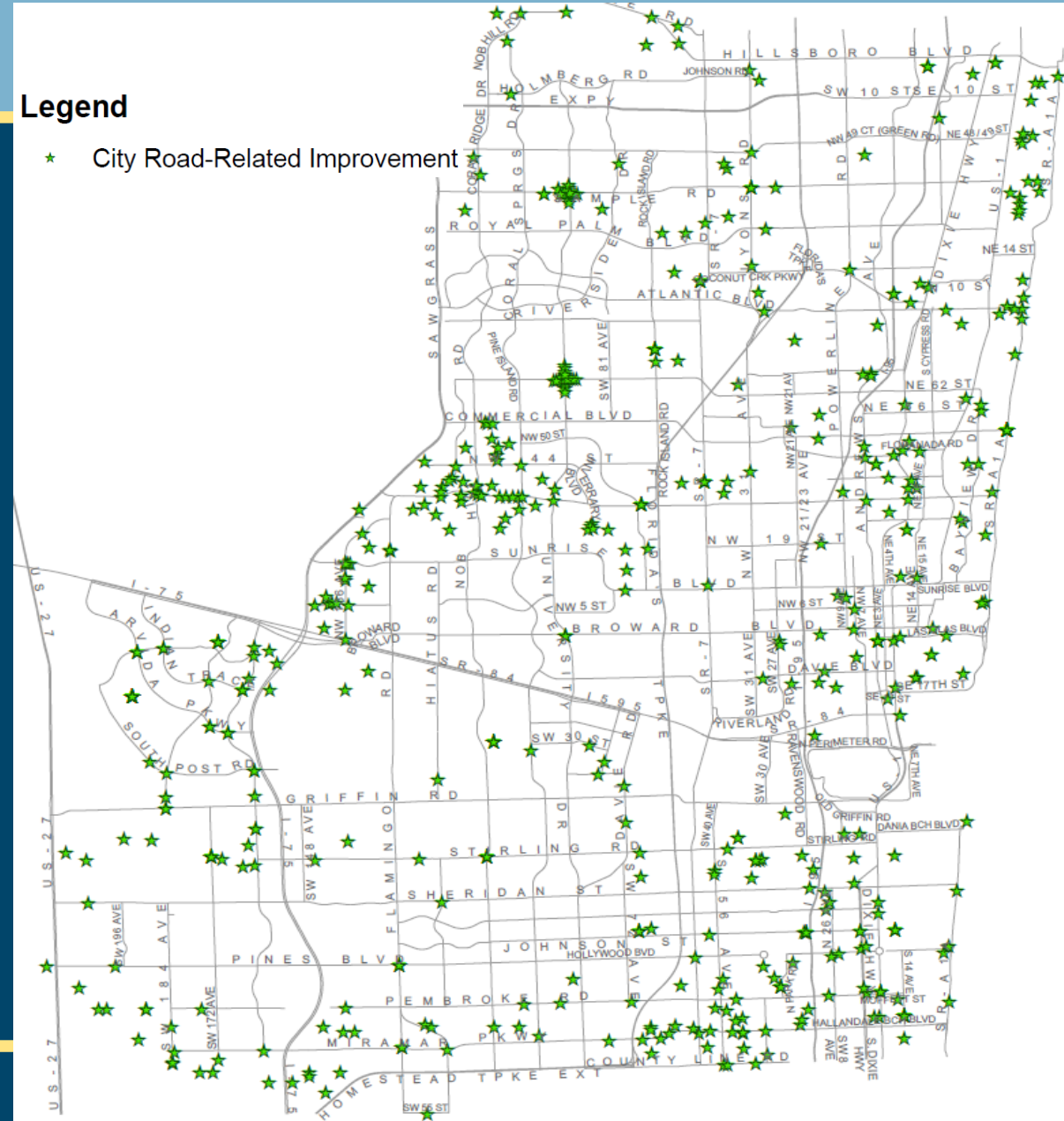
# City-Requested Projects

## Currently 586 included

- Compiled from 2016 Surtax Project GIS data (less than a year old when Plan was developed)
- Includes a variety of Transportation, Complete Street projects and infrastructure improvements
- Based on cities' collective decision, projects may be resubmitted (same format as 2016) using a prioritization process, funded through MPO CSLIP process, or a combination of both
- <http://bcgis.maps.arcgis.com/apps/webappviewer/index.html?id=b1069fa5038c4a858b3cde45351d5ef0>

### Legend

- ★ City Road-Related Improvement



# Benefits of various approaches

- Identifying projects in advance, and including them in the Plan, allows constituents to see what they are buying if they choose to support the surtax; offers a city-by-city visual depiction of planned improvements
- Cities are currently submitting transportation project requests to the MPO as part of the 2045 Long Range Transportation Plan's (LRTP) development
- Setting aside an annual allocation to flow through the MPO's CSLIP process allows surtax funds to be leveraged against state and federal funds, at the municipality's choosing, to bring down a larger pot of money for needed improvements
- MPO staff has indicated that it could modify its current CSLIP process to offer additional flexibility, allowing applicants to determine best financial approach for each individual project

# Roadway/Traffic/Signalization Projects

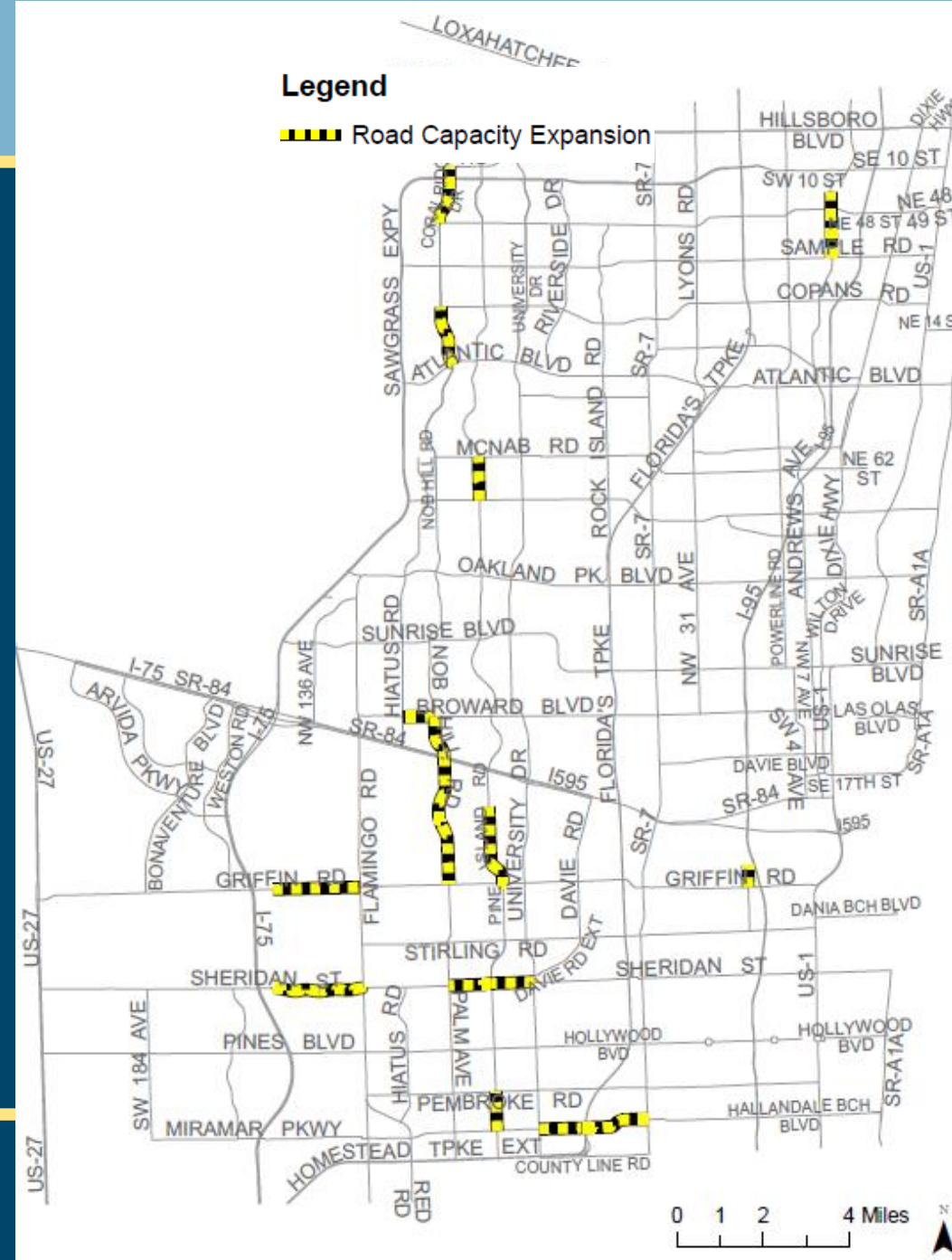
## **INTERRELATED SET OF PROGRAMS DESIGNED TO:**

- Eliminate bottlenecks
- Improve traffic signal coordination with state-of-the-art technology
- Expand capacity
- Increase safety and reliability
- Enhance multi-modal and recreational opportunities

# Road Capacity Expansion

## ROAD CAPACITY EXPANSION – 46 LANE MILES

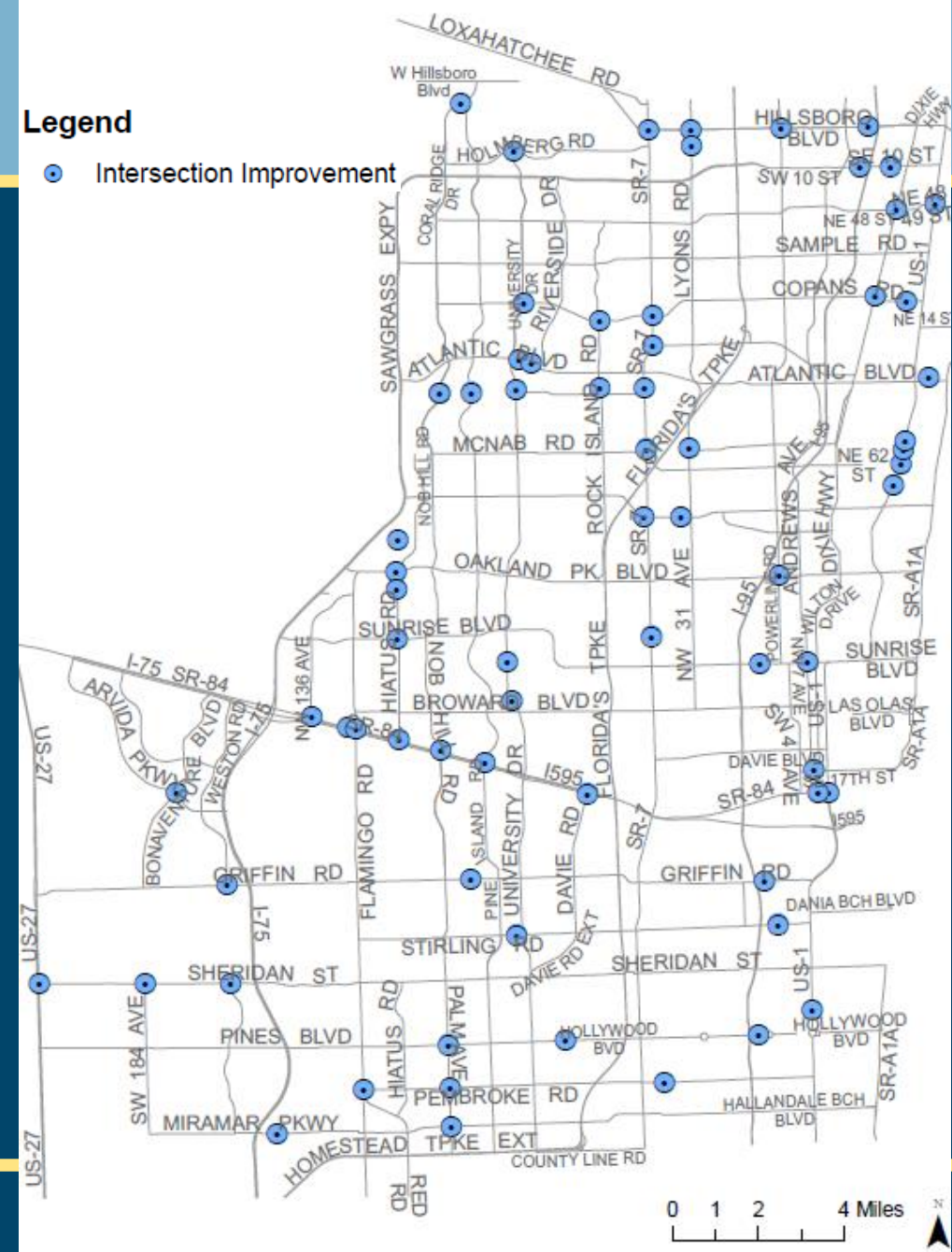
- County roads at or approaching level of service “F” (failing)
- Right-of-way mostly available
- Add lanes
- Upgrade roadway elements, including 49 intersections



# Intersection Improvement

## INTERSECTION IMPROVEMENT – 73 INTERSECTIONS

- Eliminate physical bottlenecks
  - County, State, and city intersections
  - Add turn lanes and through lanes
  - Increase turn lane storage
- Right-of-way mostly available
- Improve traffic flow
- Added benefit – improve synchronization of corridor
- Additional locations under review by FDOT

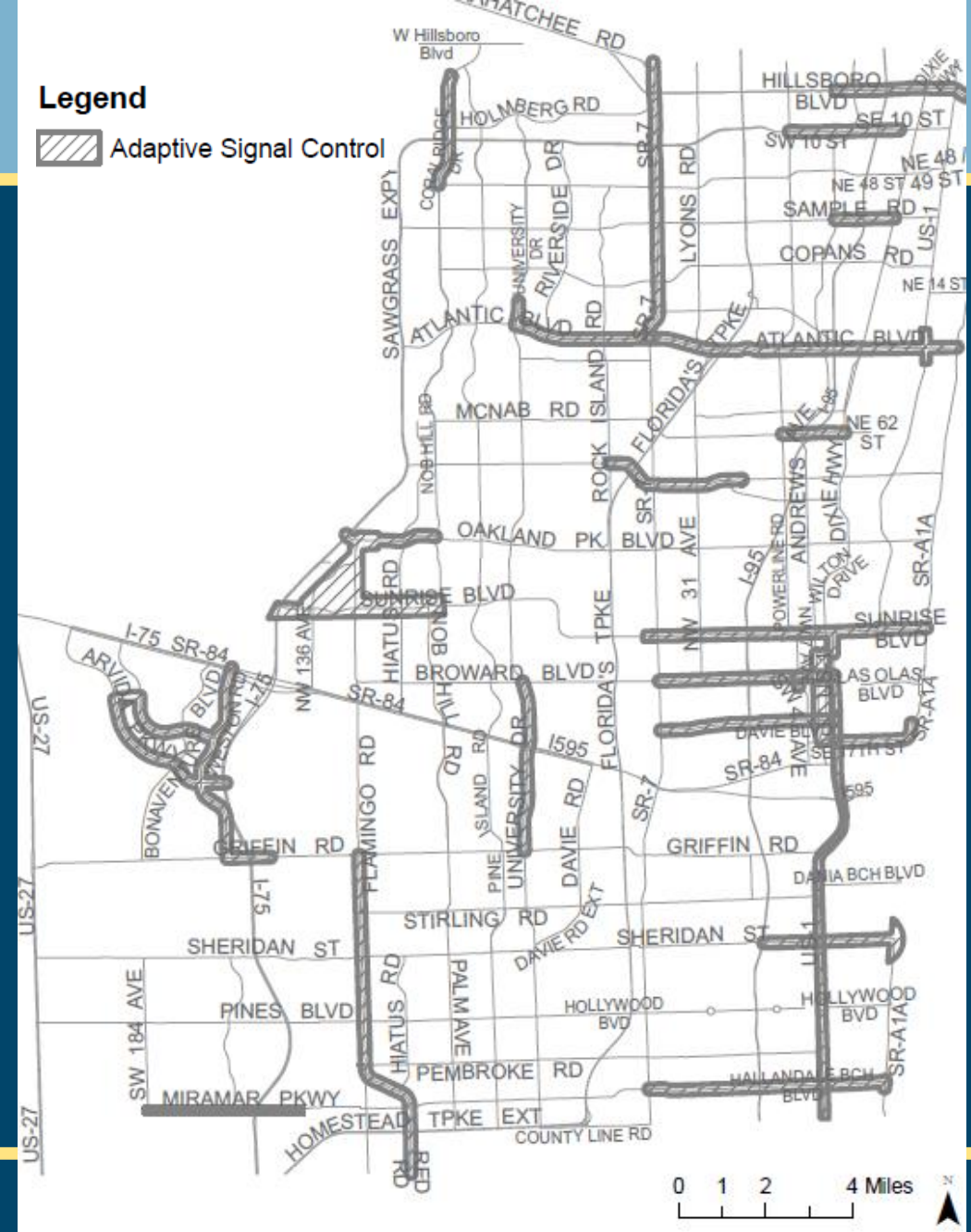




# Adaptive Signal Control

## ADAPTIVE SIGNAL CONTROL – 20 AREAS

- Signal timing automatically “adapt” to real-time traffic
- Reduce delays due to train traffic and bridge openings
- Effective for areas with unpredictable traffic patterns
- Reduce duration of peak-hour congestion
- Potential impacts to side-street traffic will be carefully evaluated, monitored, addressed

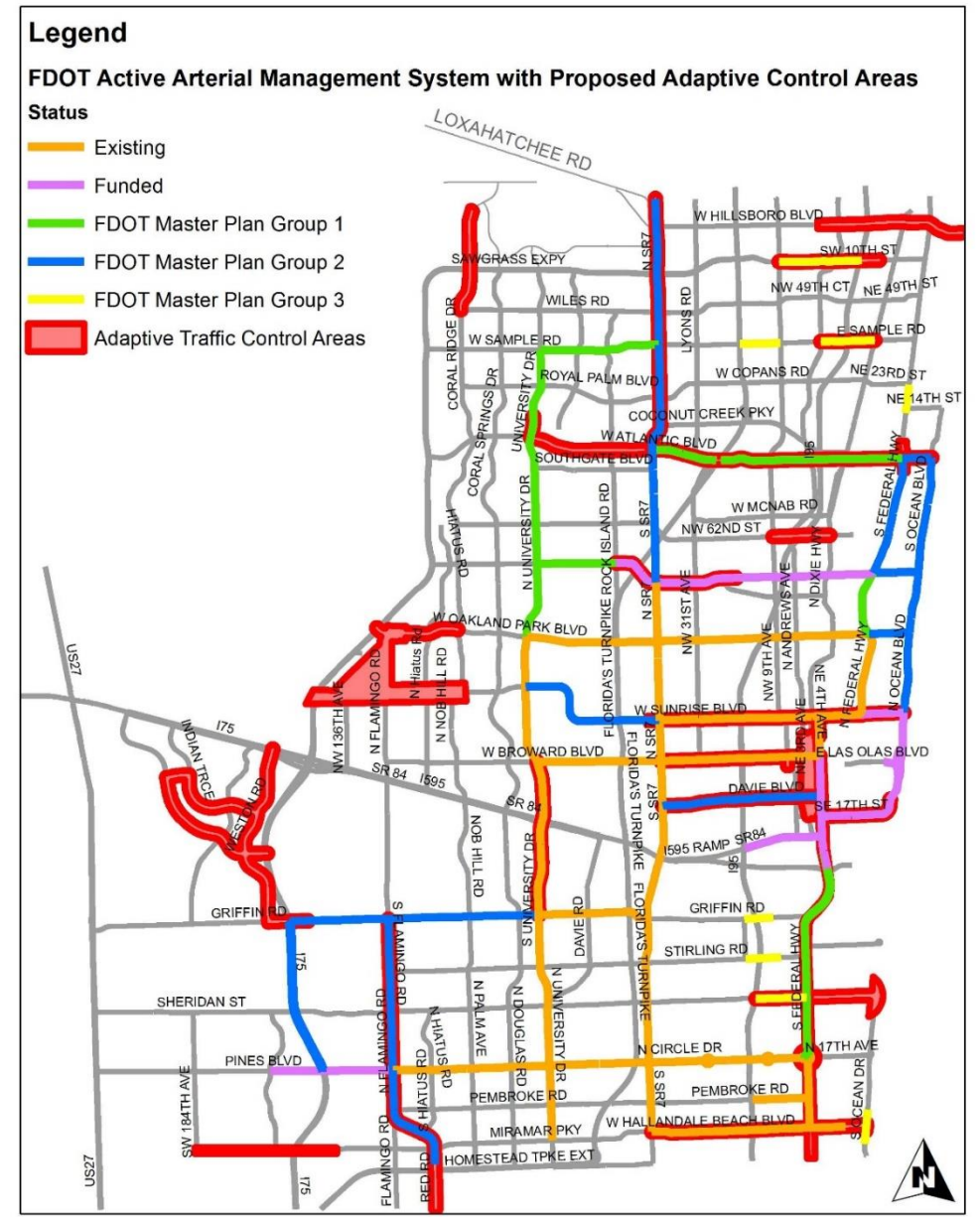




# Adaptive Signal Control

## ADAPTIVE SIGNAL CONTROL AND ACTIVE ARTERIAL MANAGEMENT

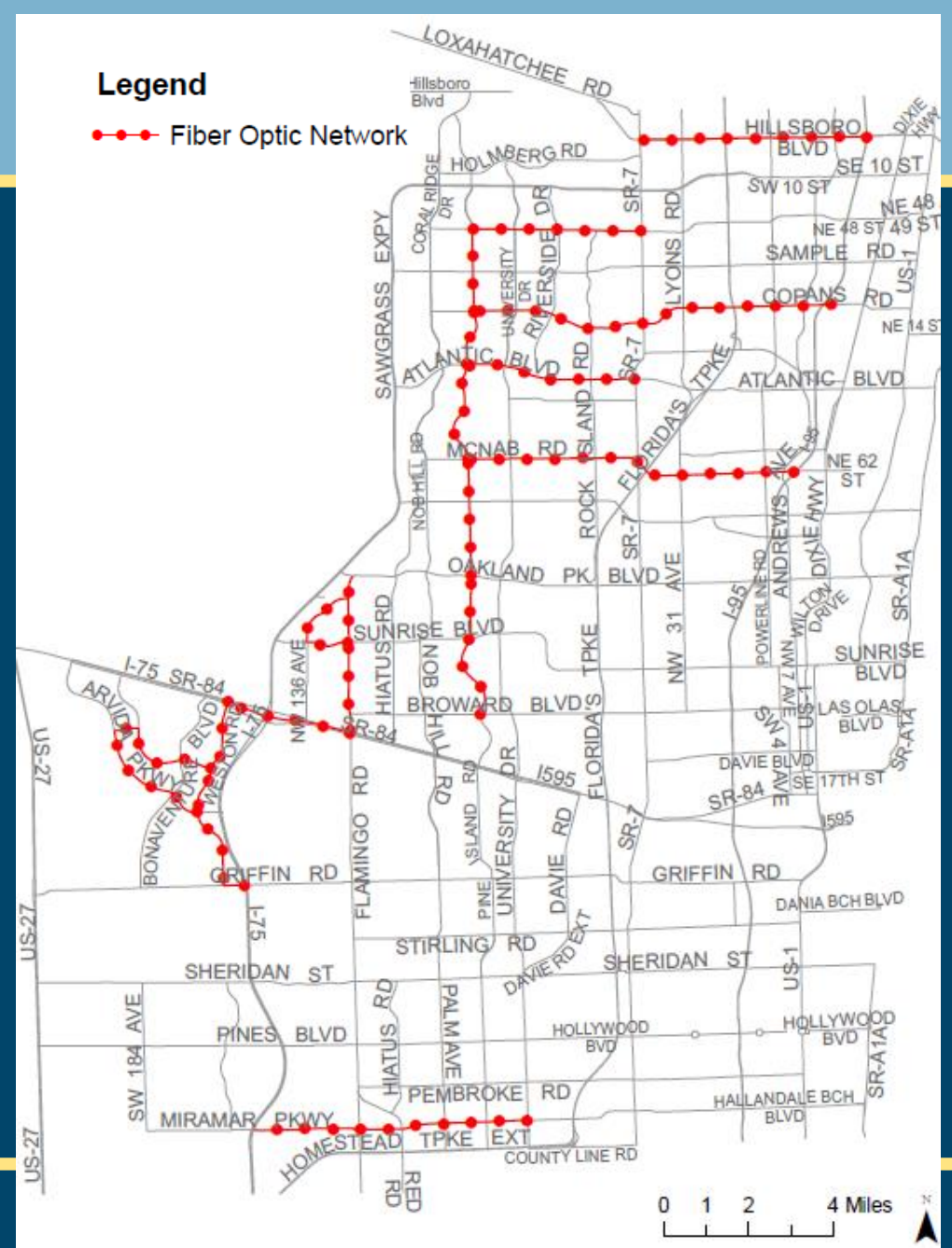
- Complementary technologies
- “Best use” of technology – based on traffic patterns
- Requires fiber optic network



# Fiber Optic Network

## FIBER OPTIC NETWORK – 75 MILES

- Support new signal technologies
- Support new transit technologies:
  - Transit Signal Priority
  - Queue Jumping
- Improve traffic network reliability and resiliency







# Fiber Optic Network

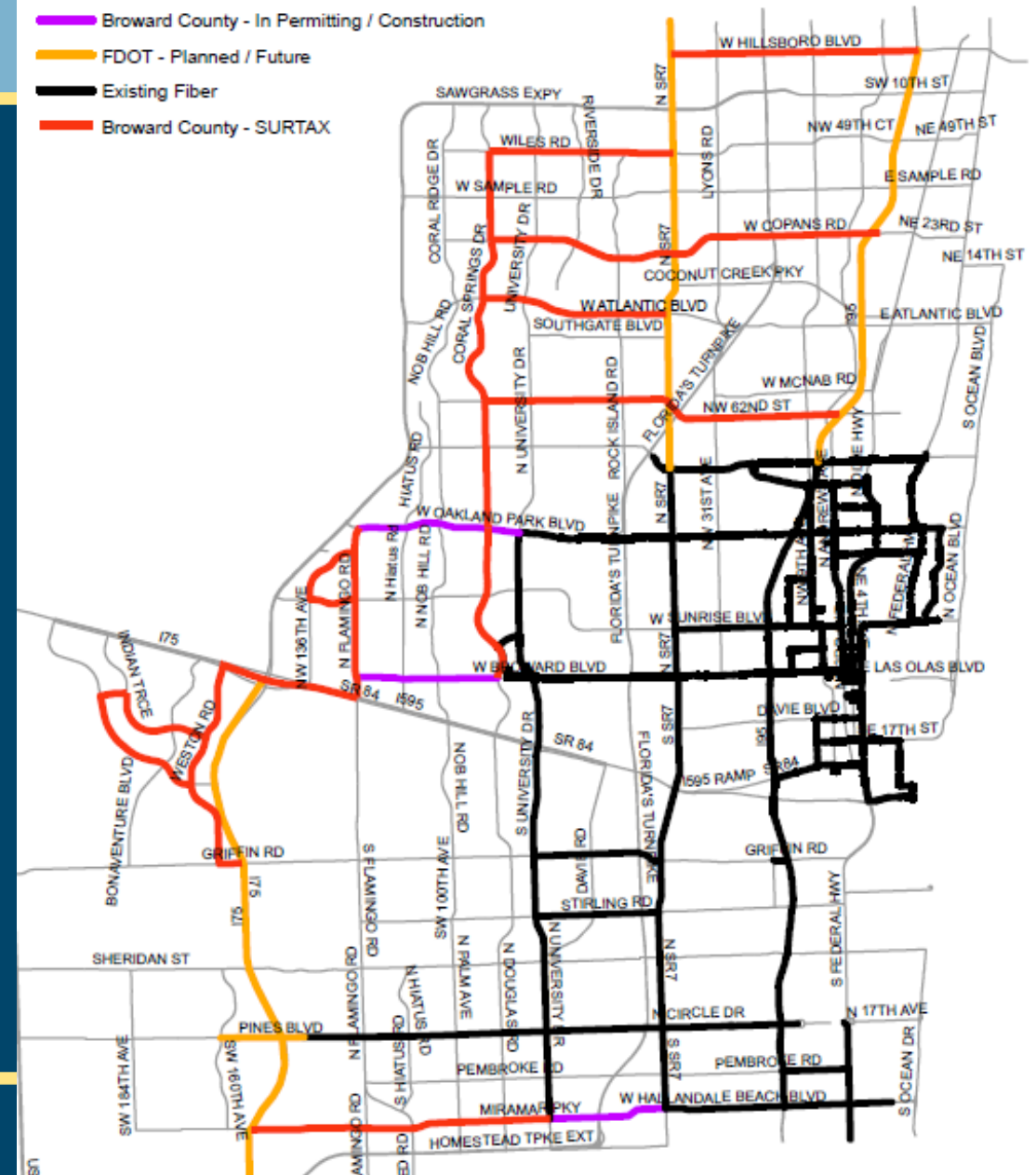
## FIBER OPTIC NETWORK – EXPAND EXISTING NETWORK

- Create fiber optic “backbone”
- “Close-the-loop” with existing fiber
- Shared use and installation with FDOT

### Legend

#### Broward Fiber Optic Plan

-  Broward County - In Permitting / Construction
-  FDOT - Planned / Future
-  Existing Fiber
-  Broward County - SURTAX







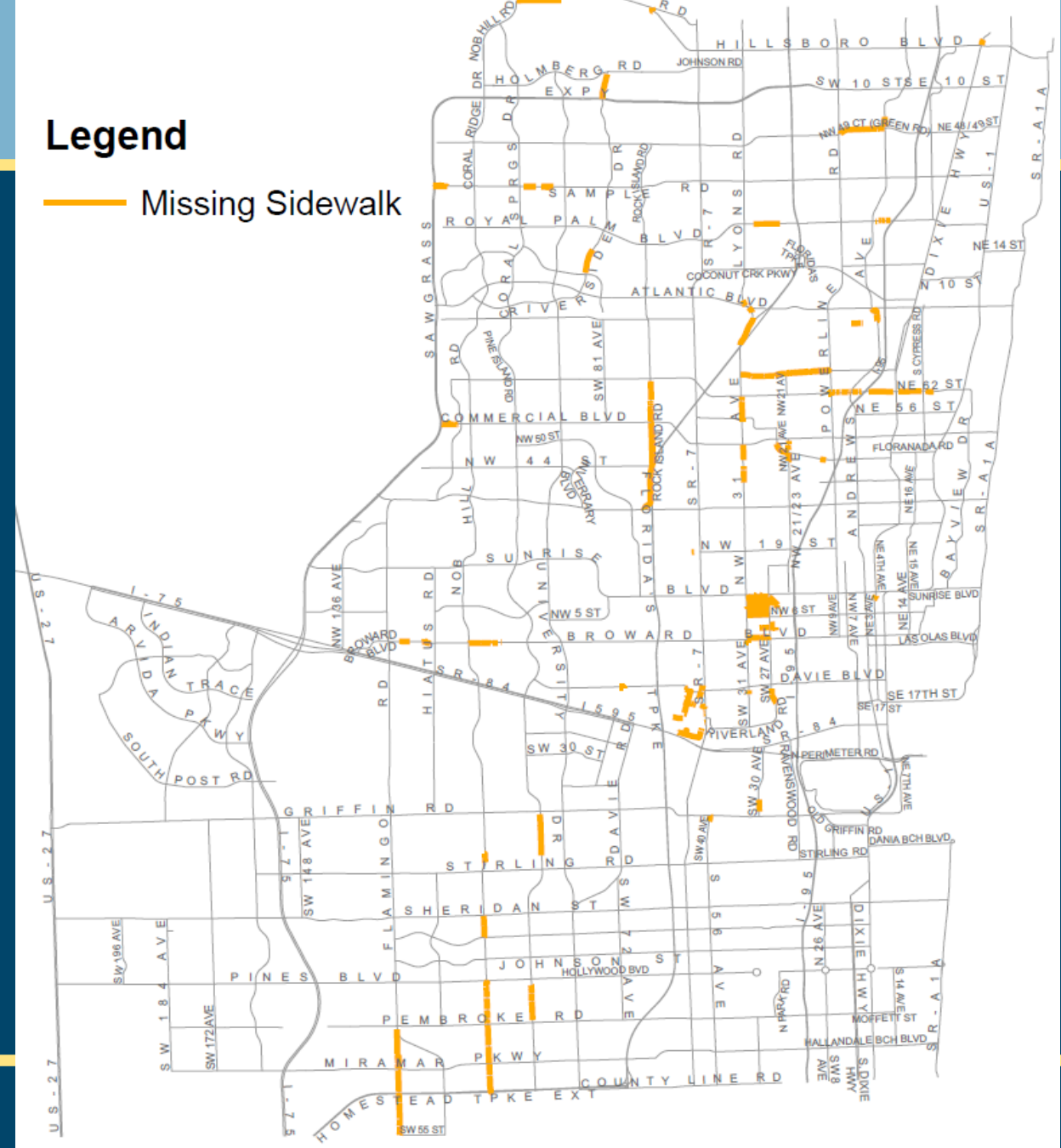
# New Sidewalks

- **SIDEWALK – 40 MILES**

- “Fill-the-Gaps” on County roads
- Improve connectivity and ADA accessibility

## Legend

— Missing Sidewalk

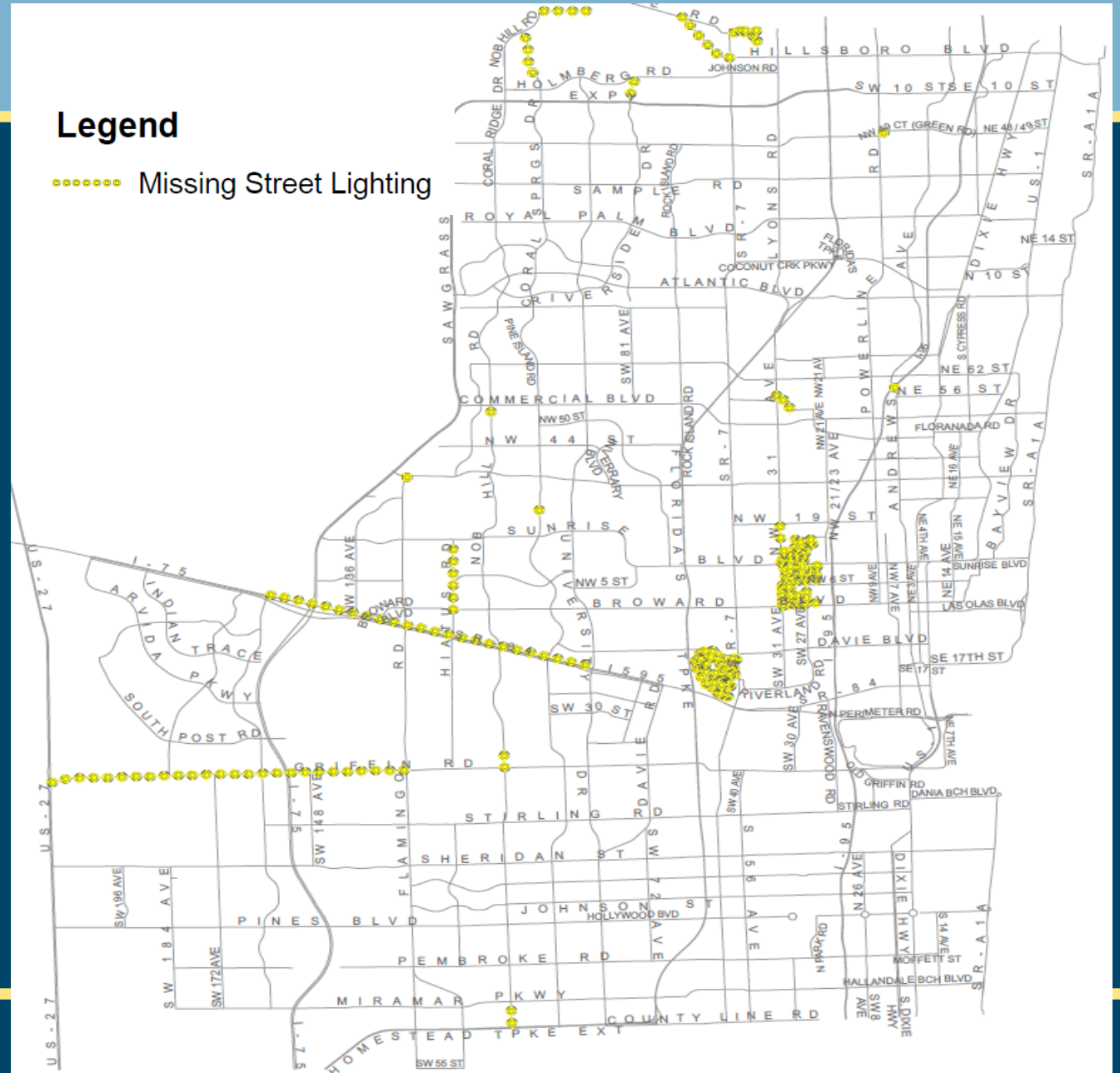




# Street Lighting

## STREET LIGHTING – 70 MILES

- County roads with no street lights
- Typically installed by cities or FPL
- “Fill-the-gaps”



# Bike Lanes

## BIKE LANES— 72 MILES

- No lane reduction
- “Fill-the-gaps” on County roads
- Improve access to greenways







# Resiliency Improvement

## ROADWAY FLOODING MITIGATION— 9.3 MILES

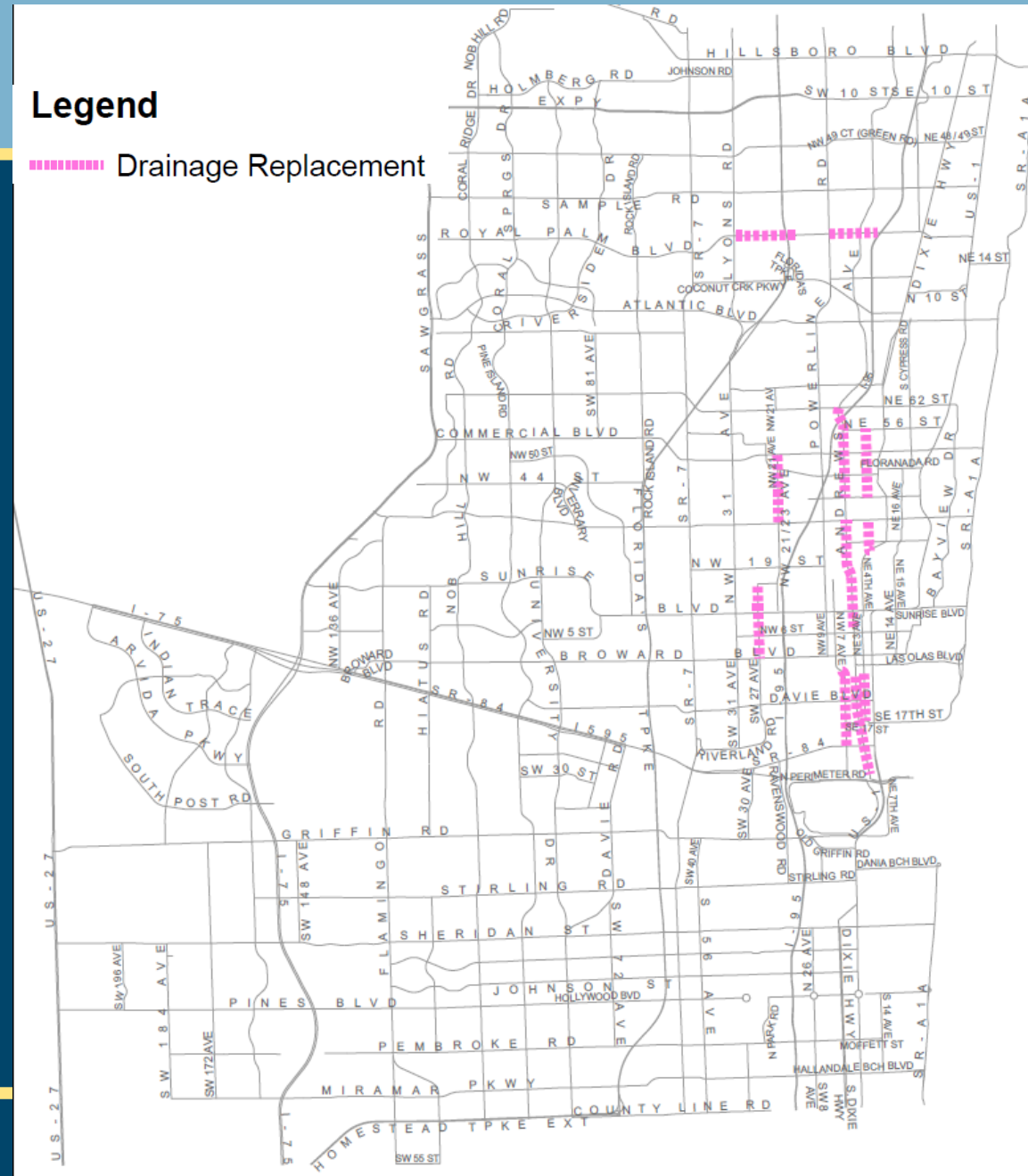
- Improve resiliency of County roads to sea-level rise
- Improvements may include:
  - raise road elevations
  - parallel drainage systems
  - stormwater pumping systems
  - green retention areas
  - drainage wells
  - Replace road base



# Drainage along County Roads

- **DRAINAGE REPLACEMENT**  
– **27,500 LINEAR FEET**

- Replace aged drainage pipes and structures along County roads
- Improve green swales

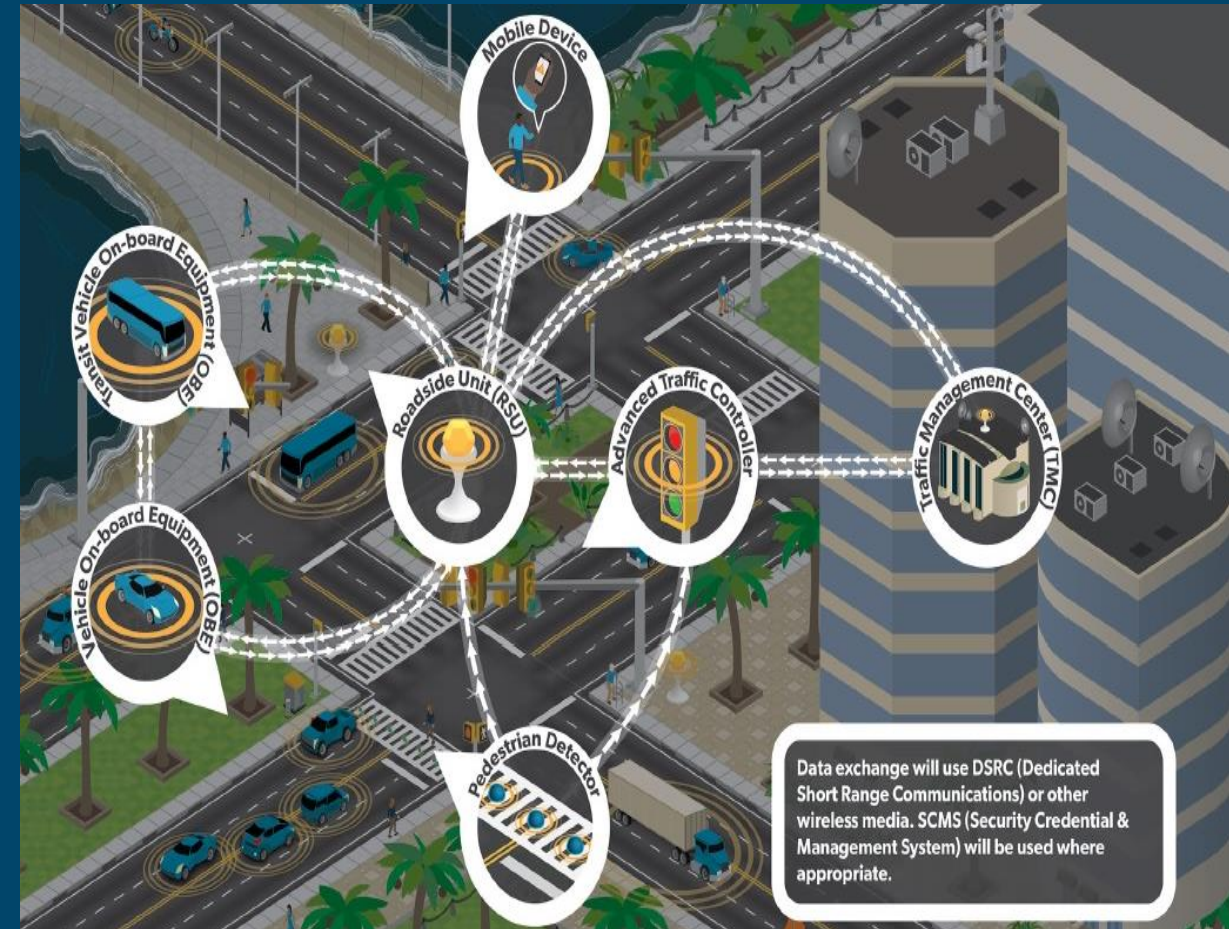




# Future Technology Adaptation

- Technology – Rapidly Evolving:
  - Autonomous and connected vehicles
  - Advanced wayfinding, trip-planning, and parking apps
  - Higher-occupancy travel modes
- New Communication and Infrastructure Needs

	Autonomous	Connected	Electric	Shared
CIVIL	Special lanes, markers, signs	Towers, beacons	Charging spaces	Parking, staging
TECH	Connectivity, localization	Connectivity backbone	Chargers, net integration	Scheduling, billing







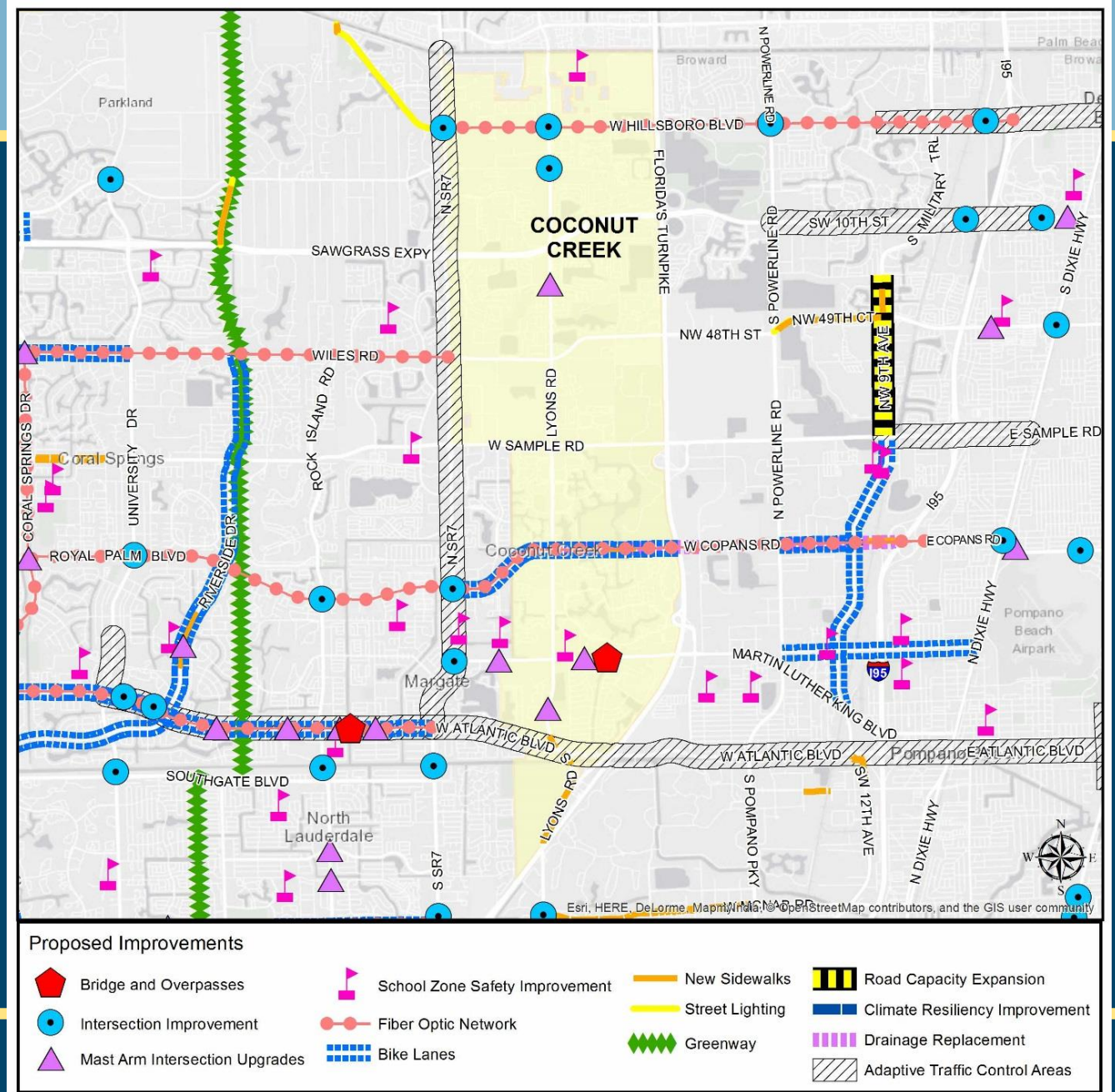
# What Can Each of Broward's 31 Cities Expect?



# Coconut Creek

## Road/Trafficway Projects:

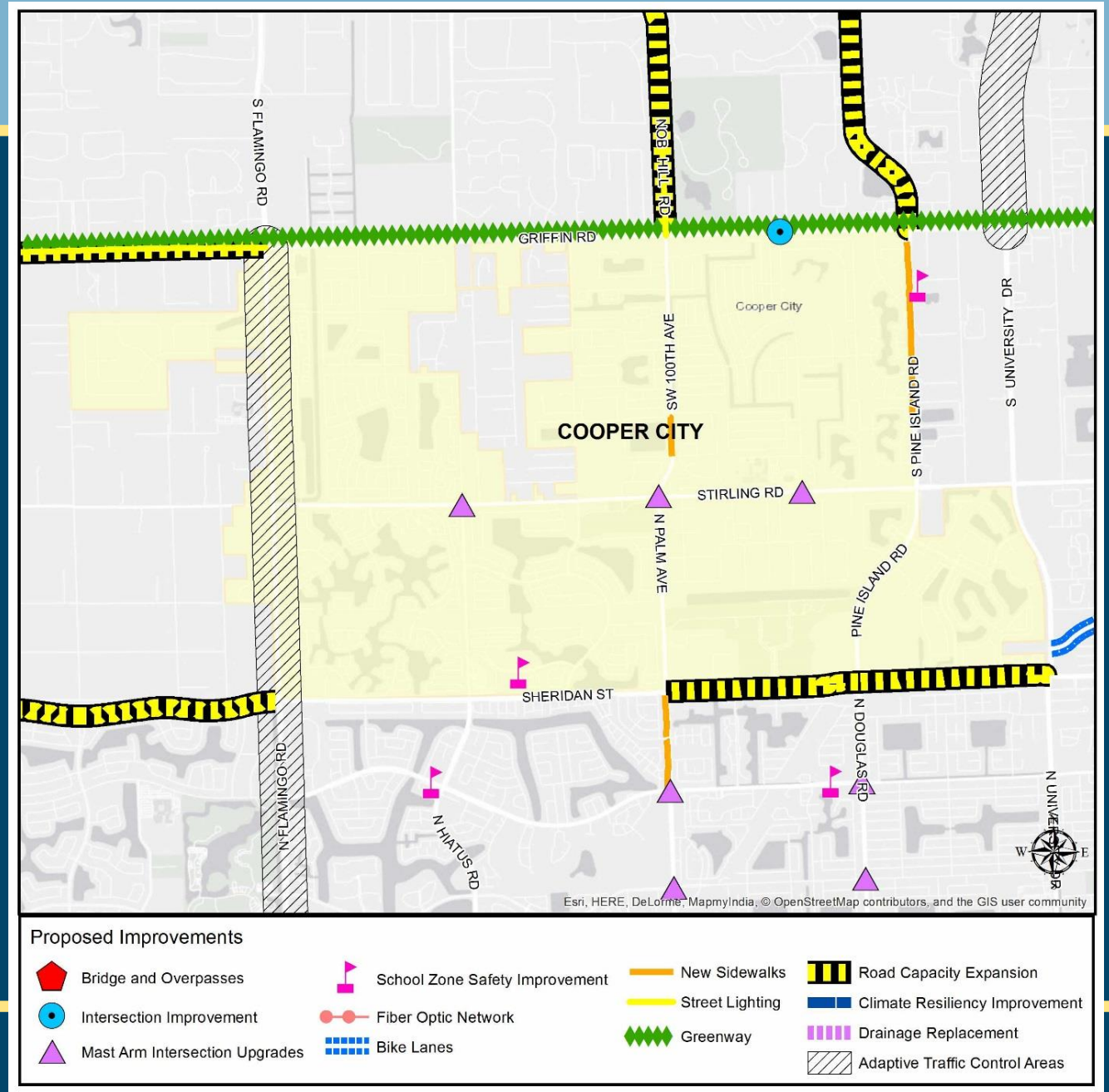
- 3 Intersection improvements
- 2 Adaptive signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cables along Hillsboro Blvd & Copans Rd
- 4 Mast arm upgrades
- 2 School zone safety improvements
- Bike lanes along Copans Rd
- Drainage replacement coinciding with other projects on Copans Rd
- 1 Bridge/overpass improvement
- Sidewalks



# Cooper City

## Road/Trafficway Projects:

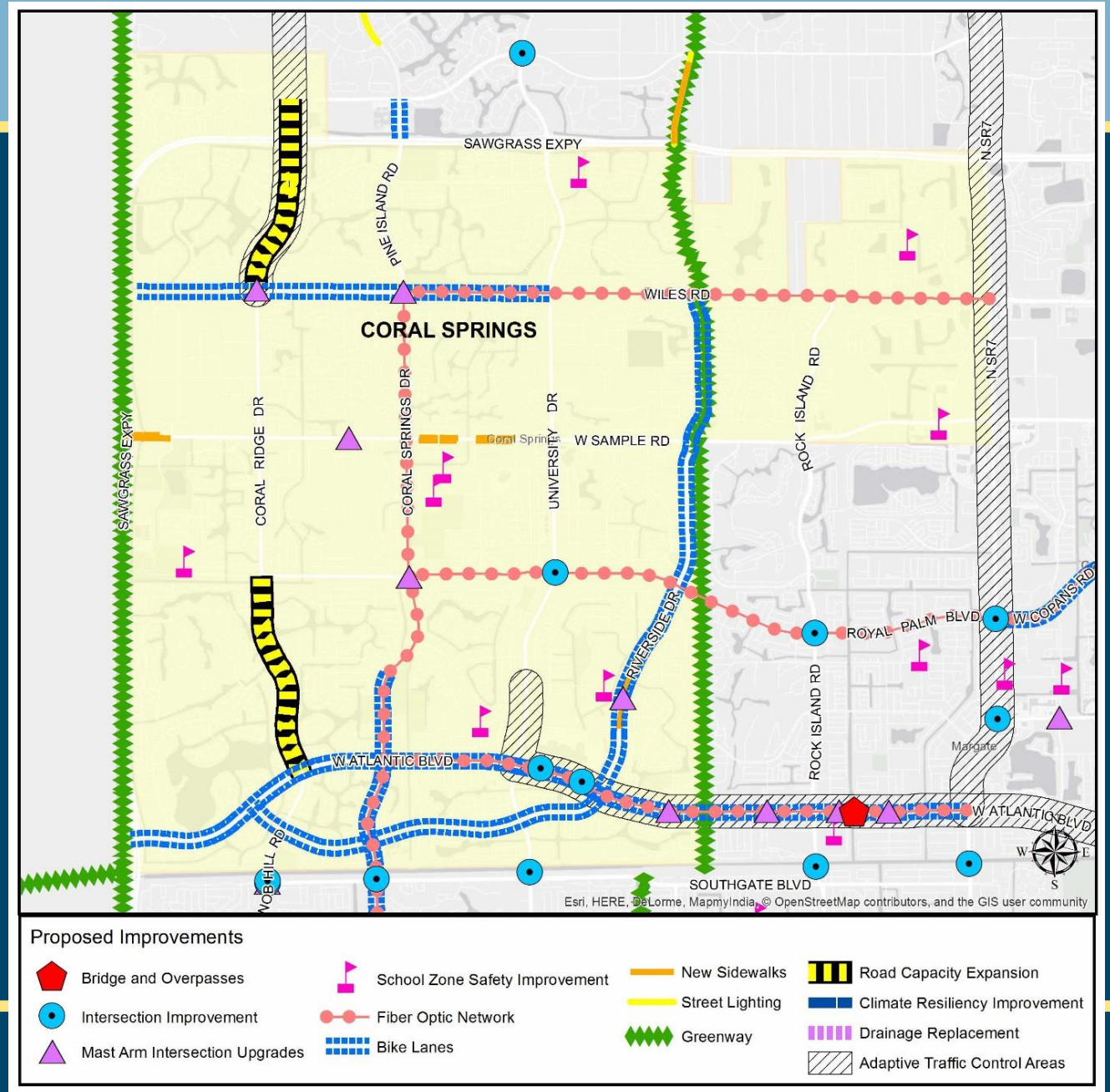
- Road capacity expansion along Sheridan St
- 1 Intersection improvement
- 1 Adaptive signal control area
- Traffic signal video detection predictive maintenance program (countywide)
- 3 Mast arm upgrades
- 1 School zone safety improvement
- Greenway
- Sidewalks



# Coral Springs

## Road/Trafficway Projects:

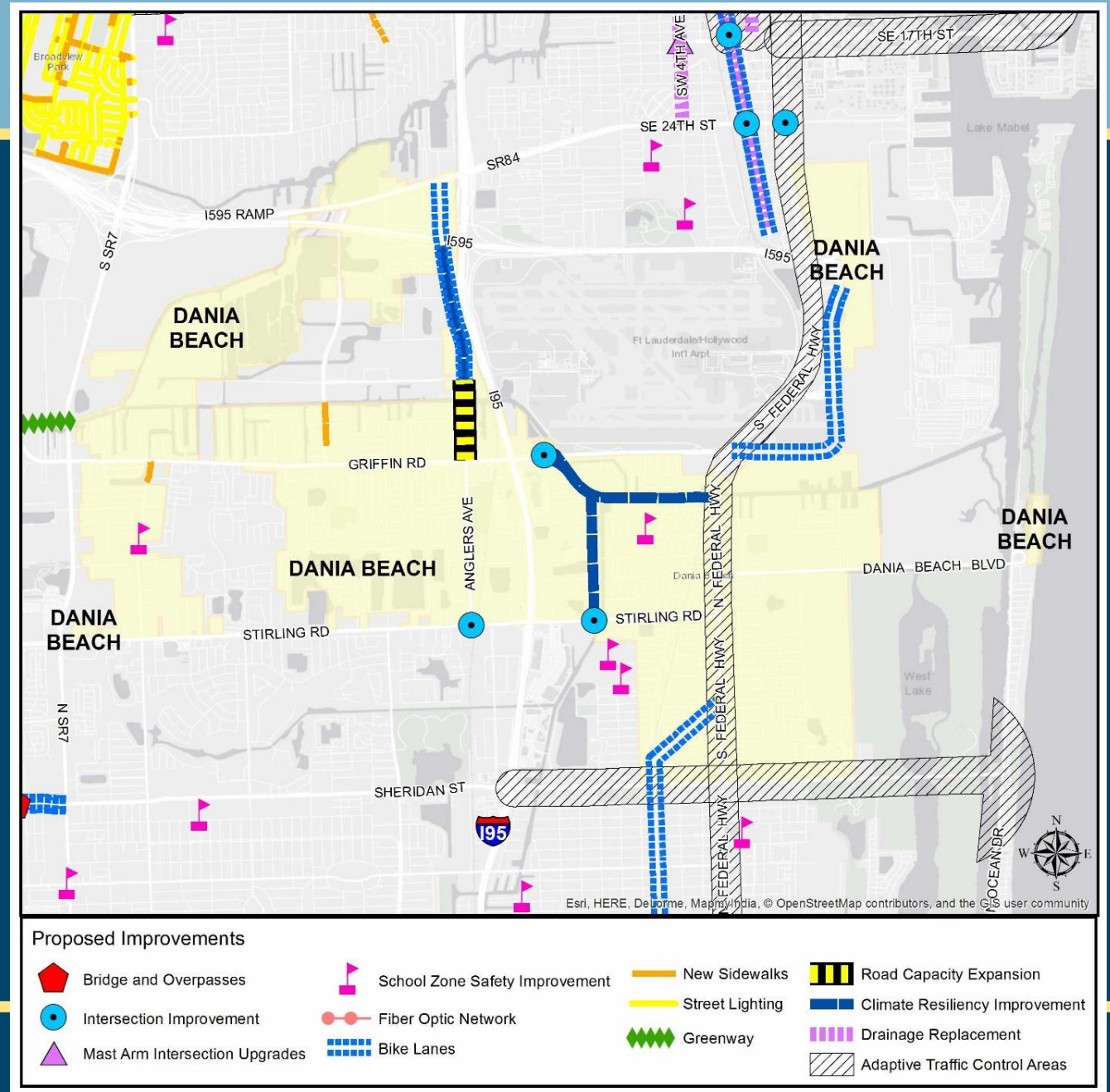
- Road capacity expansion along Coral Ridge Dr
- 3 Intersection improvements
- 3 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cables along Atlantic Blvd, Coral Springs Dr, Royal Palm Blvd, & Wiles Rd
- 6 Mast arm upgrades
- 8 School zone safety improvements
- Bike lanes along Atlantic Blvd, Riverside Dr, & Wiles Rd
- Greenway
- Sidewalks



# Dania Beach

## Road/Trafficway Projects:

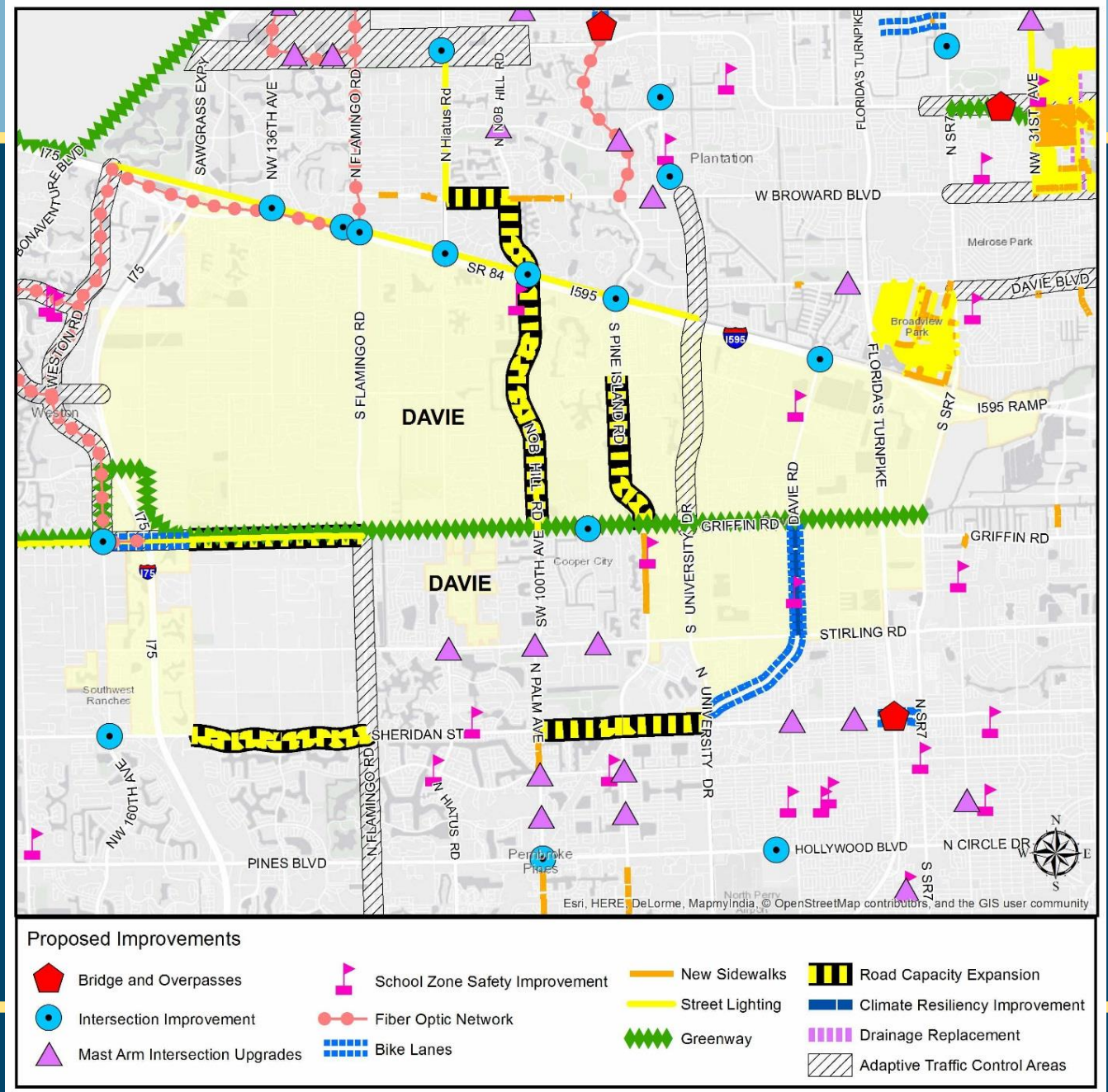
- Road capacity expansion along Ravenswood Rd.
- 3 Intersection improvements
- 2 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- 2 School zone safety improvements
- Bike lanes along Ravenswood Rd, NE 7 Ave, NE 10 St, & Dixie Hwy
- Climate resiliency improvements along Ravenswood Rd, Old Griffin Rd & Bryan Rd
- Sidewalks



# Davie

## Road/Trafficway Projects:

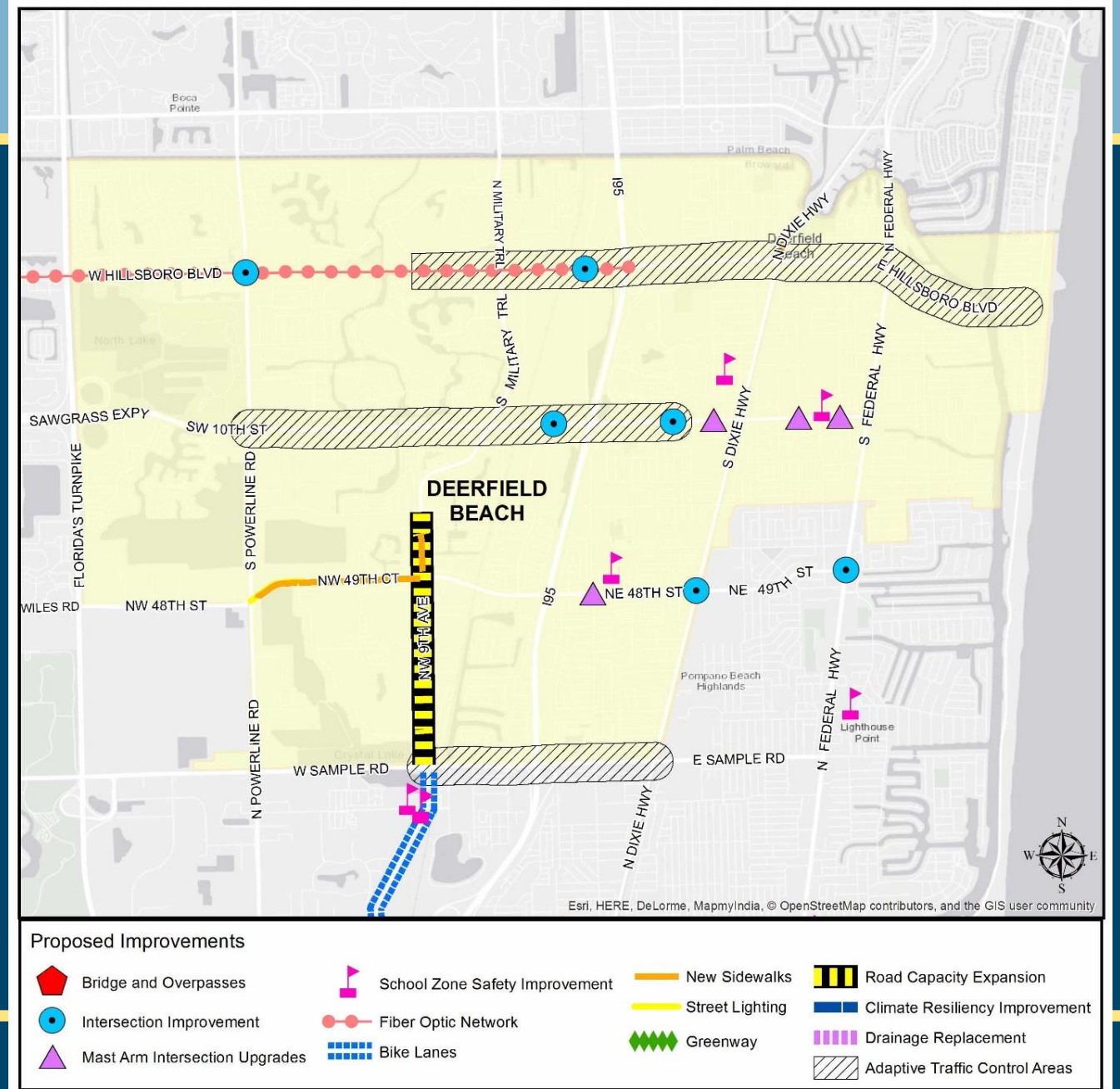
- Road capacity expansion along Nob Hill Rd, Pine Island Rd, & Griffin Rd
- 9 Intersection improvements
- 1 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cables along I-595/SR-84 corridor
- 4 School zone safety improvements
- Bike lanes along Davie Road & Griffin Rd
- Climate resiliency improvements along Davie Rd
- Greenway
- Sidewalks
- Street Lighting



# Deerfield Beach

## Road/Trafficway Projects:

- Road capacity expansion along Military Trail
- 5 Intersection improvements
- 3 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cables along Hillsboro Blvd.
- 4 Mast arm upgrades
- 3 School zone safety improvements
- Sidewalks



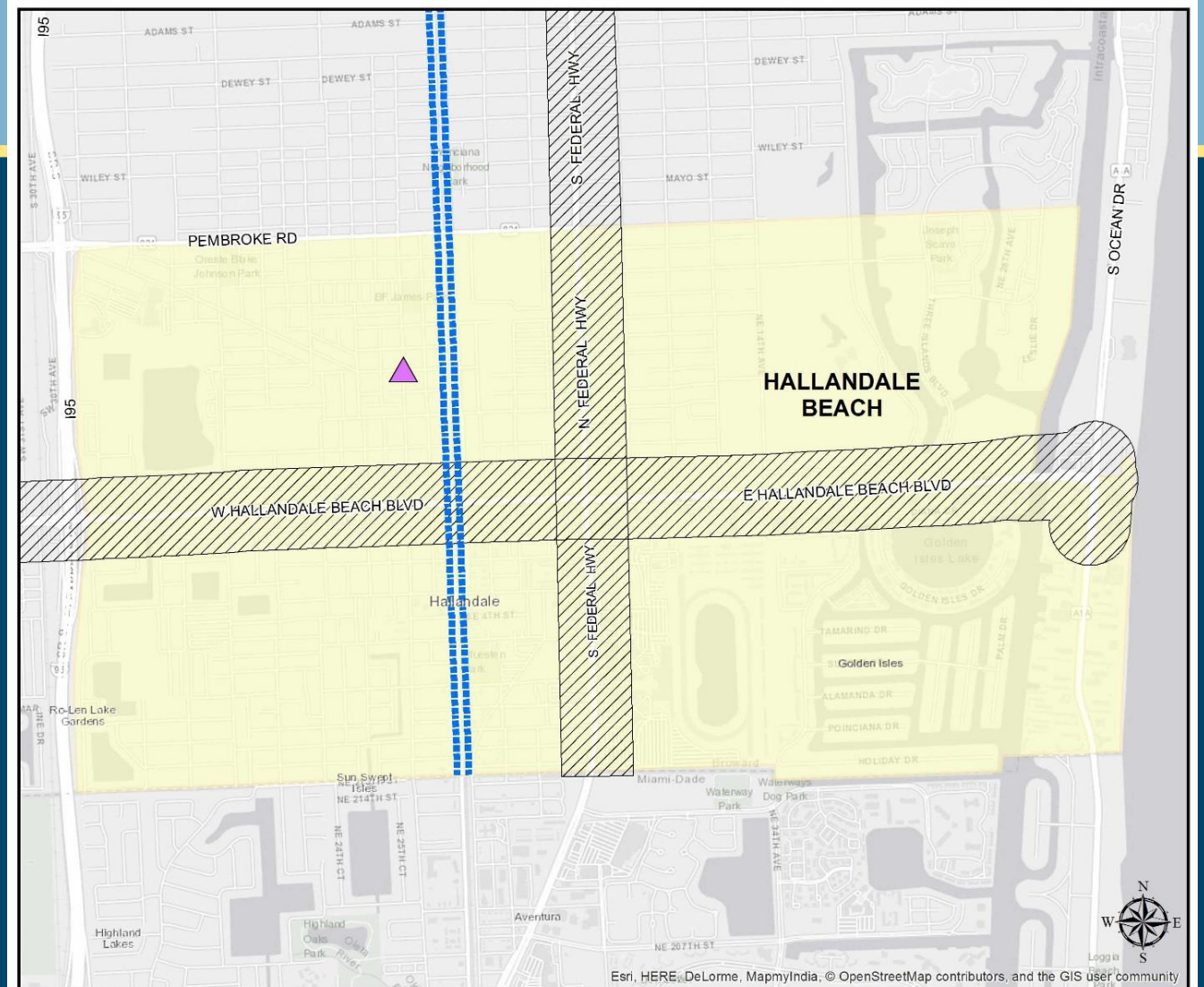




# Hallandale Beach

## Road/Trafficway Projects:

- 2 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- 1 Mast arm upgrade
- Bike lanes along Dixie Hwy



### Proposed Improvements

- |                                |                                |                 |                                |
|--------------------------------|--------------------------------|-----------------|--------------------------------|
| Bridge and Overpasses          | School Zone Safety Improvement | New Sidewalks   | Road Capacity Expansion        |
| Intersection Improvement       | Fiber Optic Network            | Street Lighting | Climate Resiliency Improvement |
| Mast Arm Intersection Upgrades | Bike Lanes                     | Greenway        | Drainage Replacement           |
|                                |                                |                 | Adaptive Traffic Control Areas |

# Hillsboro Beach

## Road/Trafficway Projects:

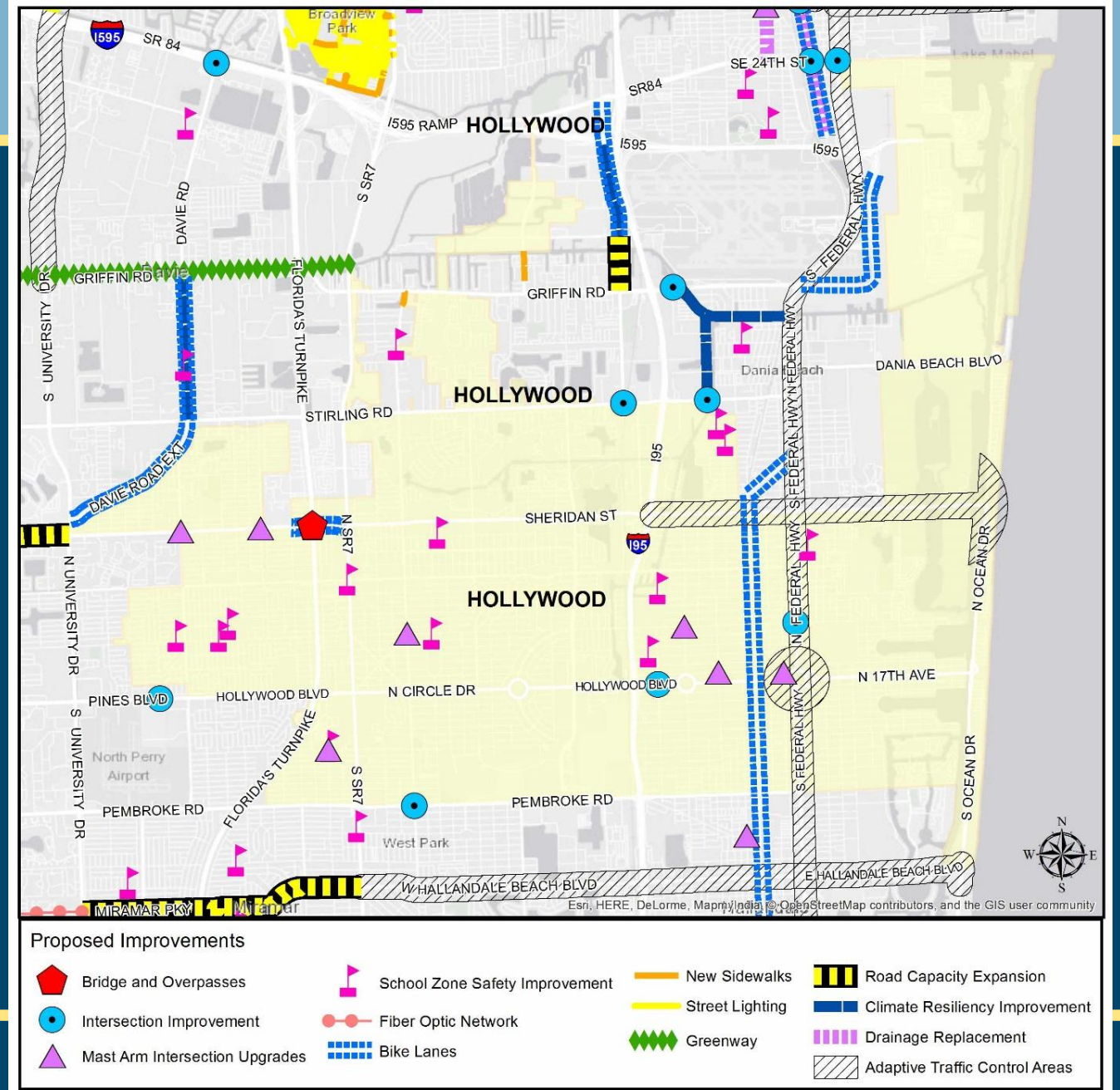
- Traffic signal video detection predictive maintenance program (countywide)



# Hollywood

## Road/Trafficway Projects:

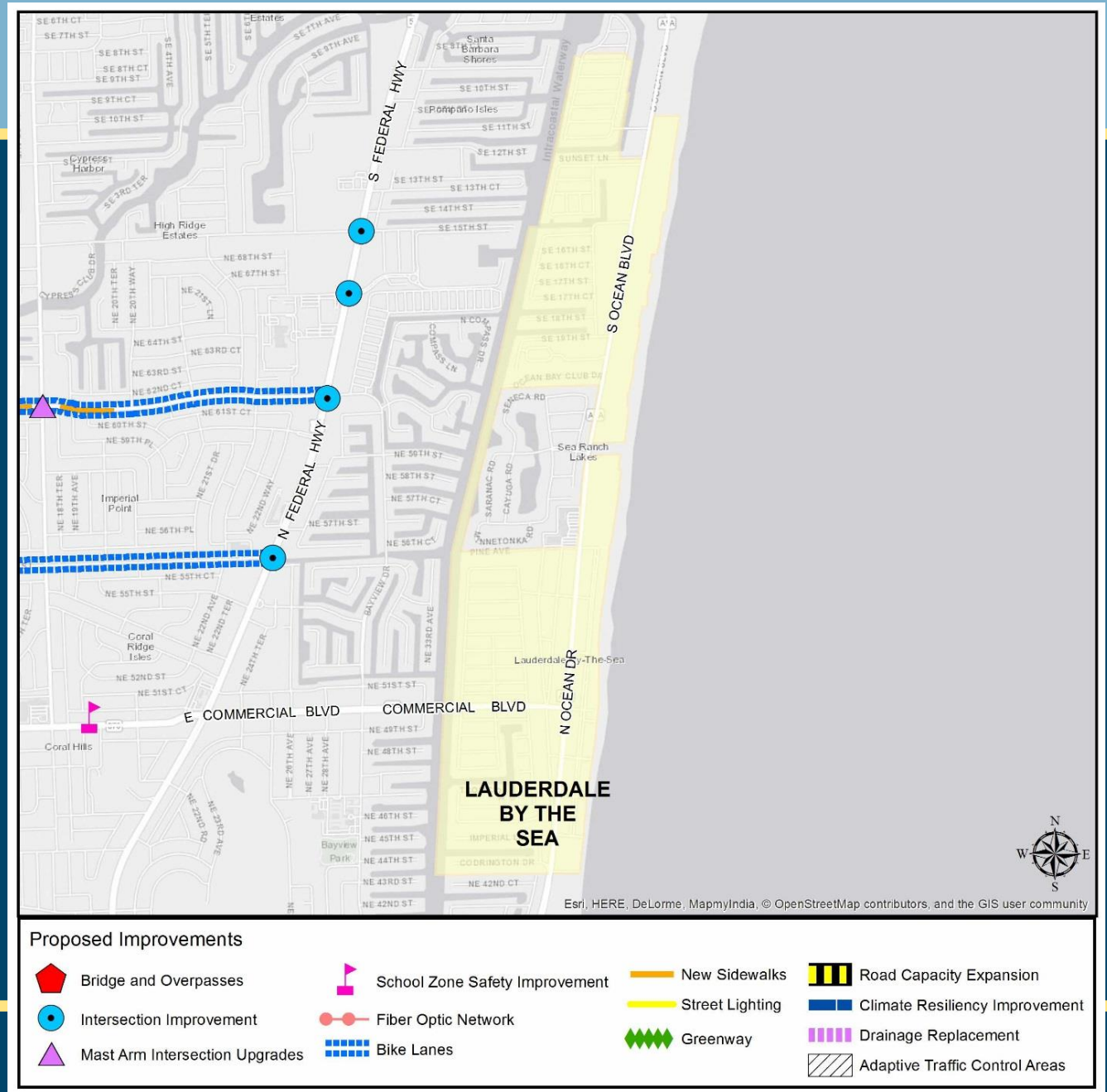
- 5 Intersection improvements
- 2 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- 7 Mast arm upgrades
- 13 School zone safety improvements
- Bike lanes along Dixie Hwy & Sheridan St
- 1 Bridge/overpass improvement



# Lauderdale By The Sea

## Road/Trafficway Projects:

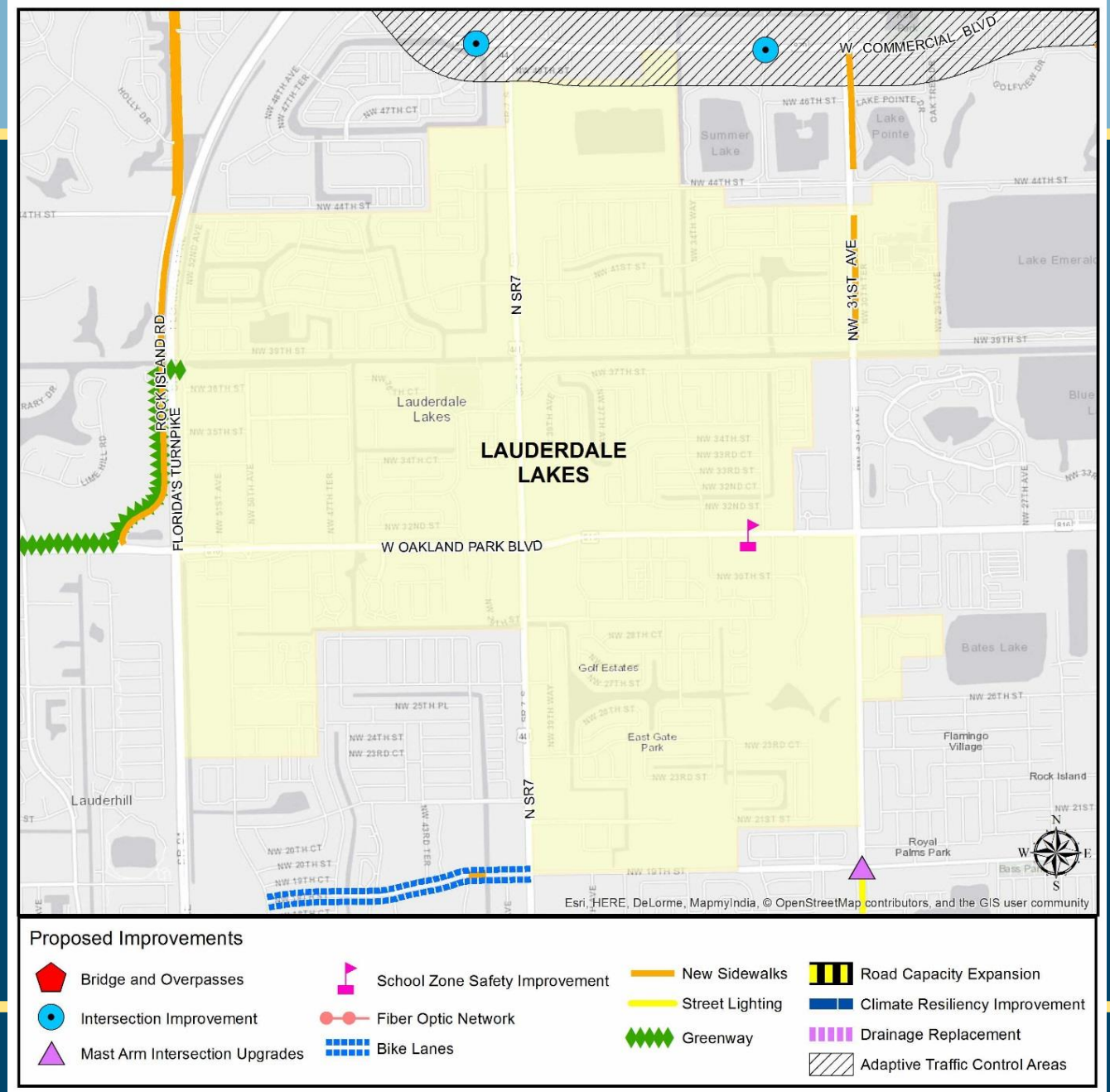
- Traffic signal video detection predictive maintenance program (countywide)



# Lauderdale Lakes

## Road/Trafficway Projects:

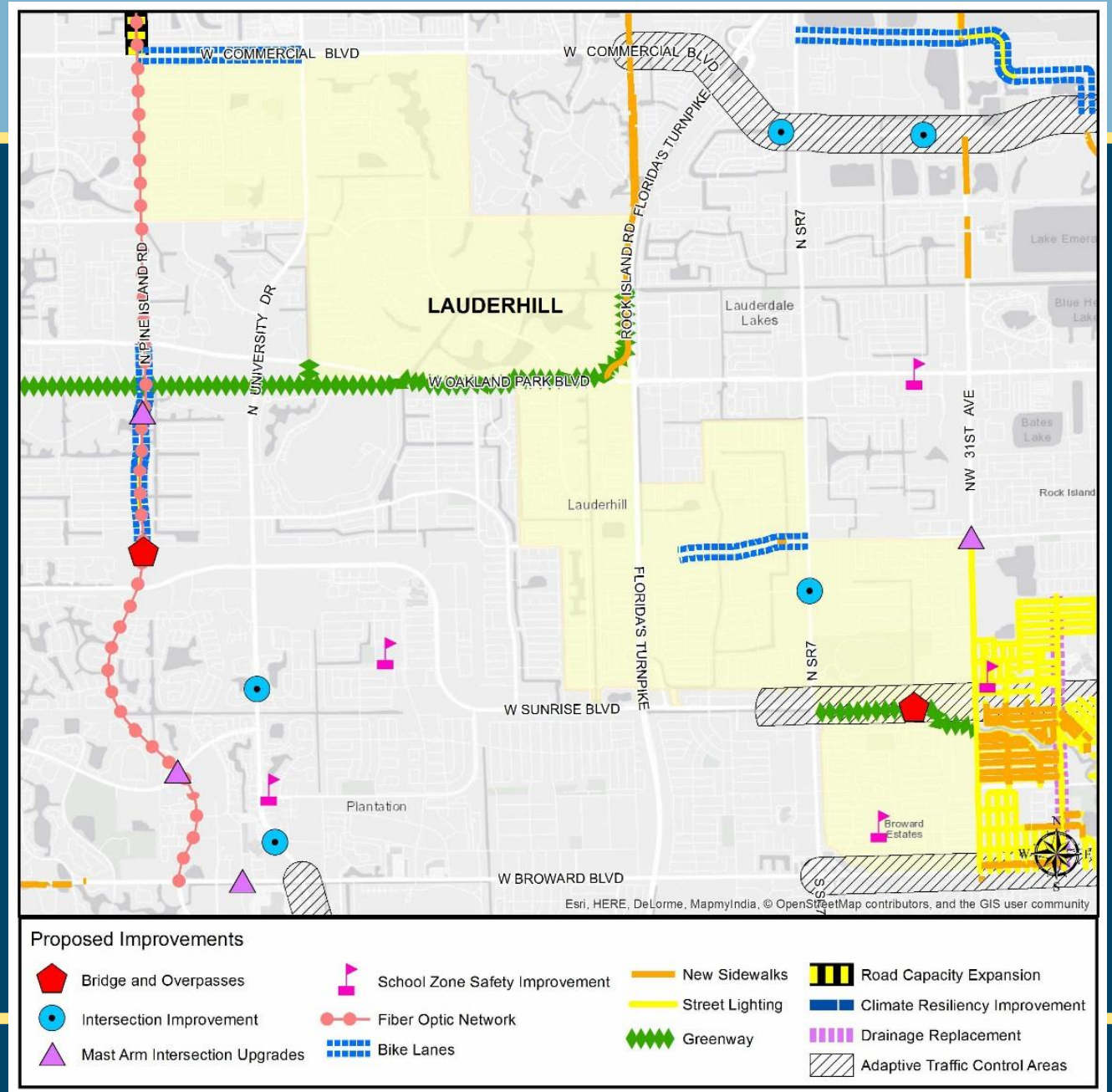
- 1 Adaptive traffic signal control area
- Traffic signal video detection predictive maintenance program (countywide)
- 1 School zone safety improvement
- Sidewalks



# Lauderhill

## Road/Trafficway Projects:

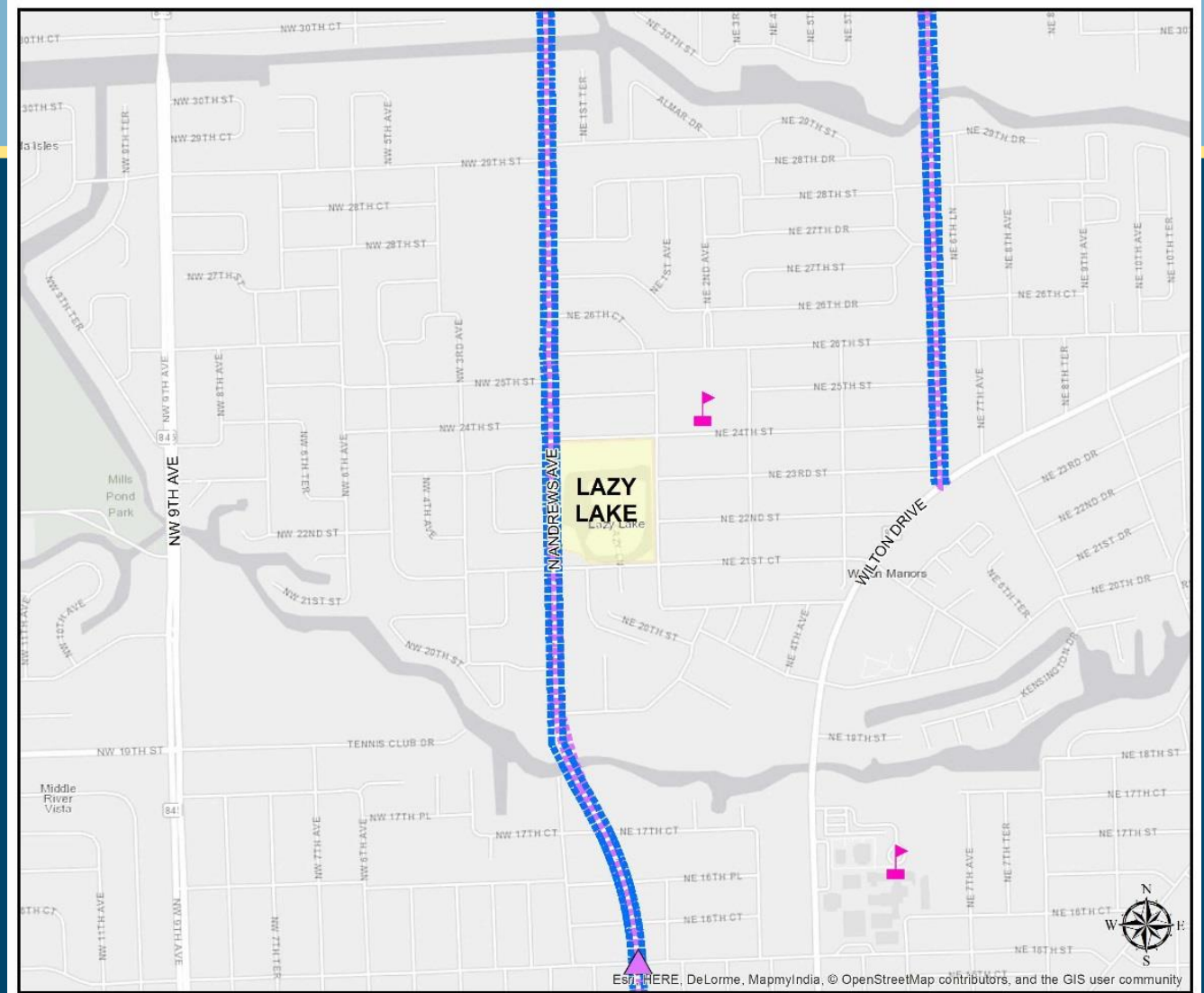
- 1 Intersection improvement
- 2 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cables along Pine Island Rd.
- 1 Mast arm upgrade
- 1 School zone safety improvement
- Bike lanes along NW 19 St
- 1 Bridge/overpass improvements
- Greenways
- Sidewalks



# Lazy Lake

## Road/Trafficway Projects:

- Traffic signal video detection predictive maintenance program (countywide)



### Proposed Improvements

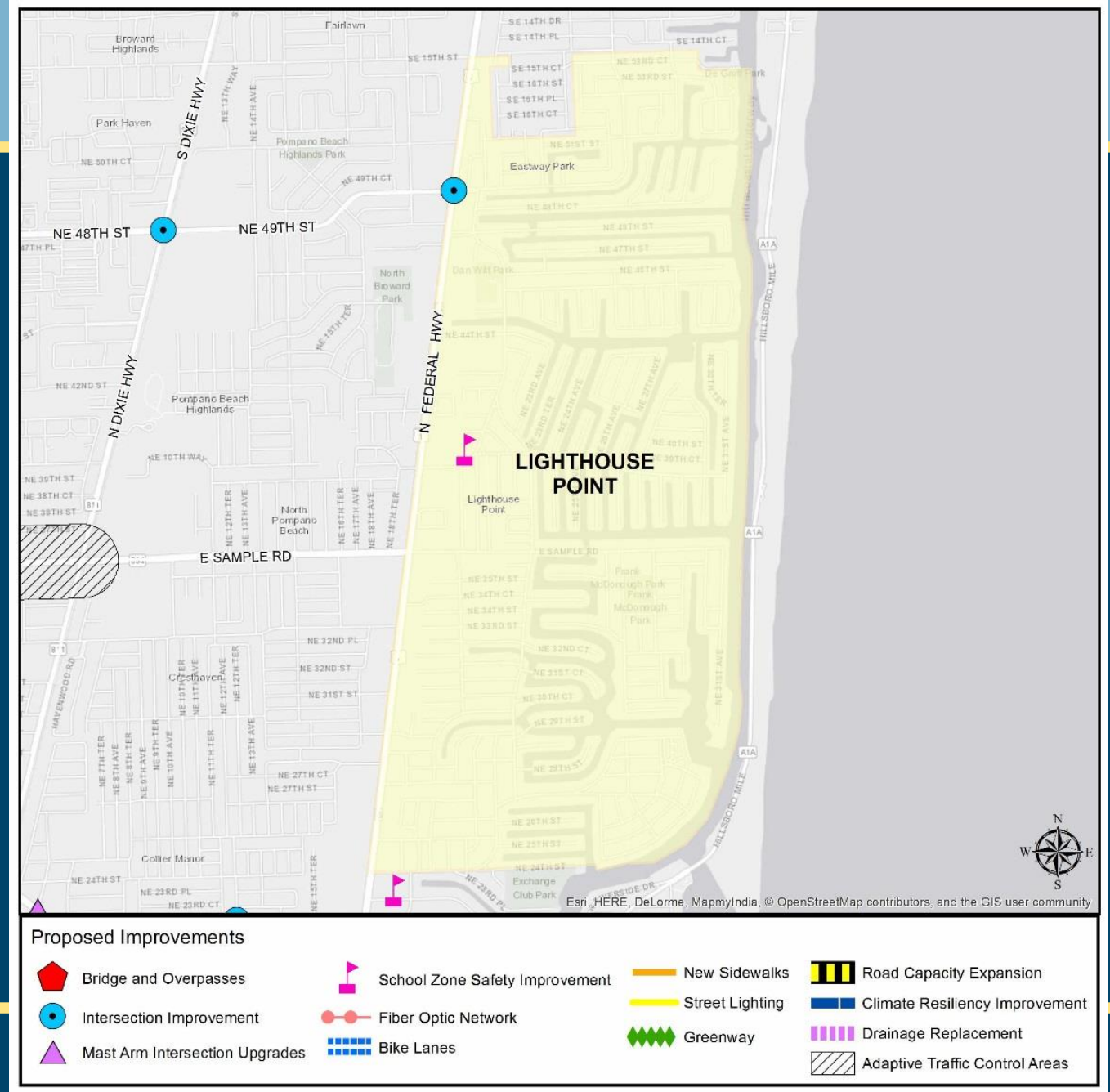
- |  |  |  |  |
|--|--|--|--|
|  Bridge and Overpasses          |  School Zone Safety Improvement |  New Sidewalks                  |  Road Capacity Expansion        |
|  Intersection Improvement       |  Fiber Optic Network            |  Street Lighting                |  Climate Resiliency Improvement |
|  Mast Arm Intersection Upgrades |  Bike Lanes                     |  Greenway                       |  Drainage Replacement           |
|  |  |  Adaptive Traffic Control Areas |  |



# Lighthouse Point

## Road/Trafficway Projects:

- 1 Intersection improvement
- Traffic signal video detection predictive maintenance program (countywide)
- 1 School zone safety improvement



# Margate

## Road/Trafficway Projects:

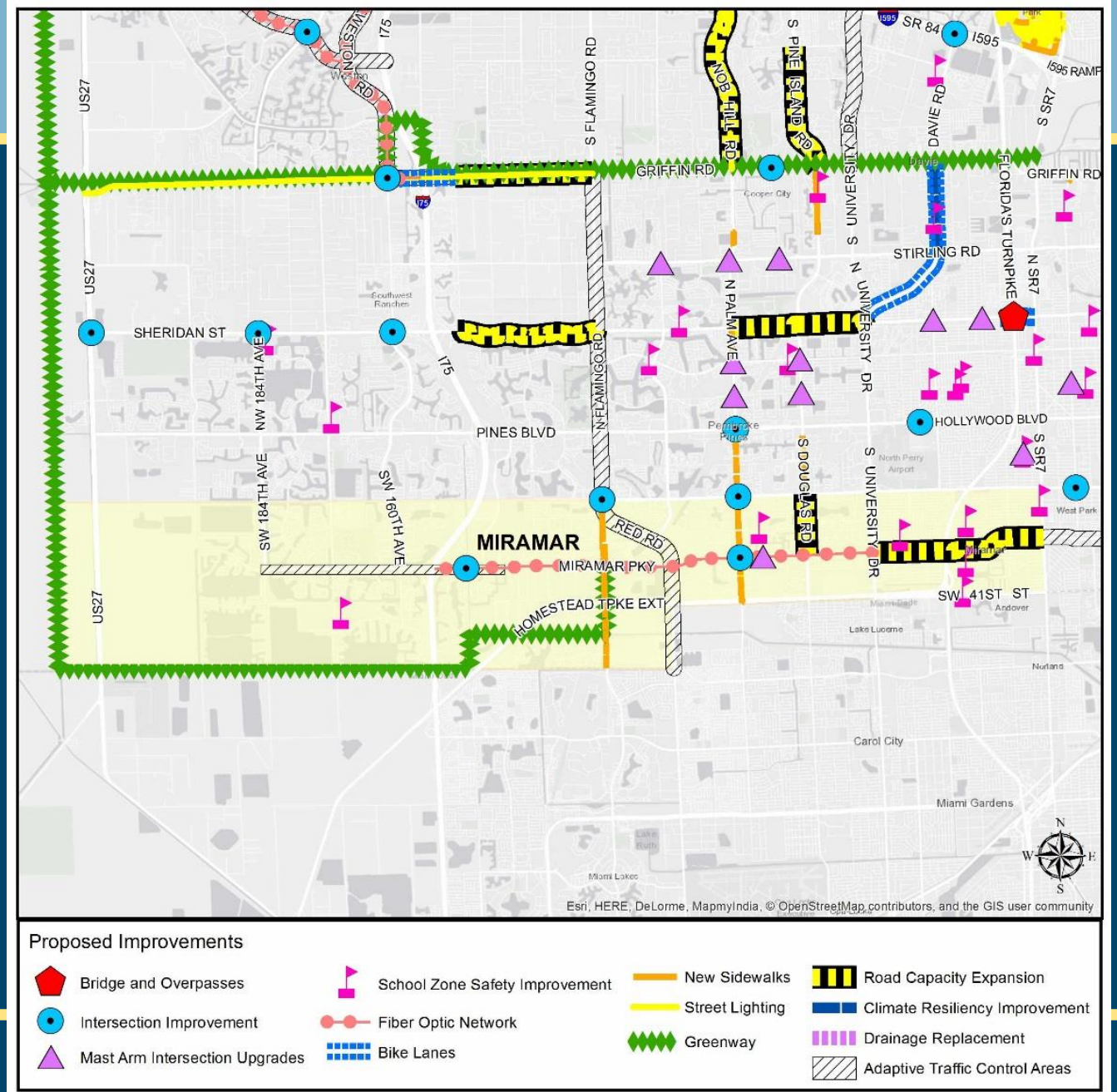
- 5 Intersection improvements
- 2 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cables along Royal Palm Blvd & Atlantic Blvd
- 4 Mast arm upgrades
- 4 School zone safety improvements
- Bike lanes along Royal Palm Blvd & Atlantic Blvd
- 1 Bridge/overpass improvement
- Greenway



# Miramar

## Road/Trafficway Projects:

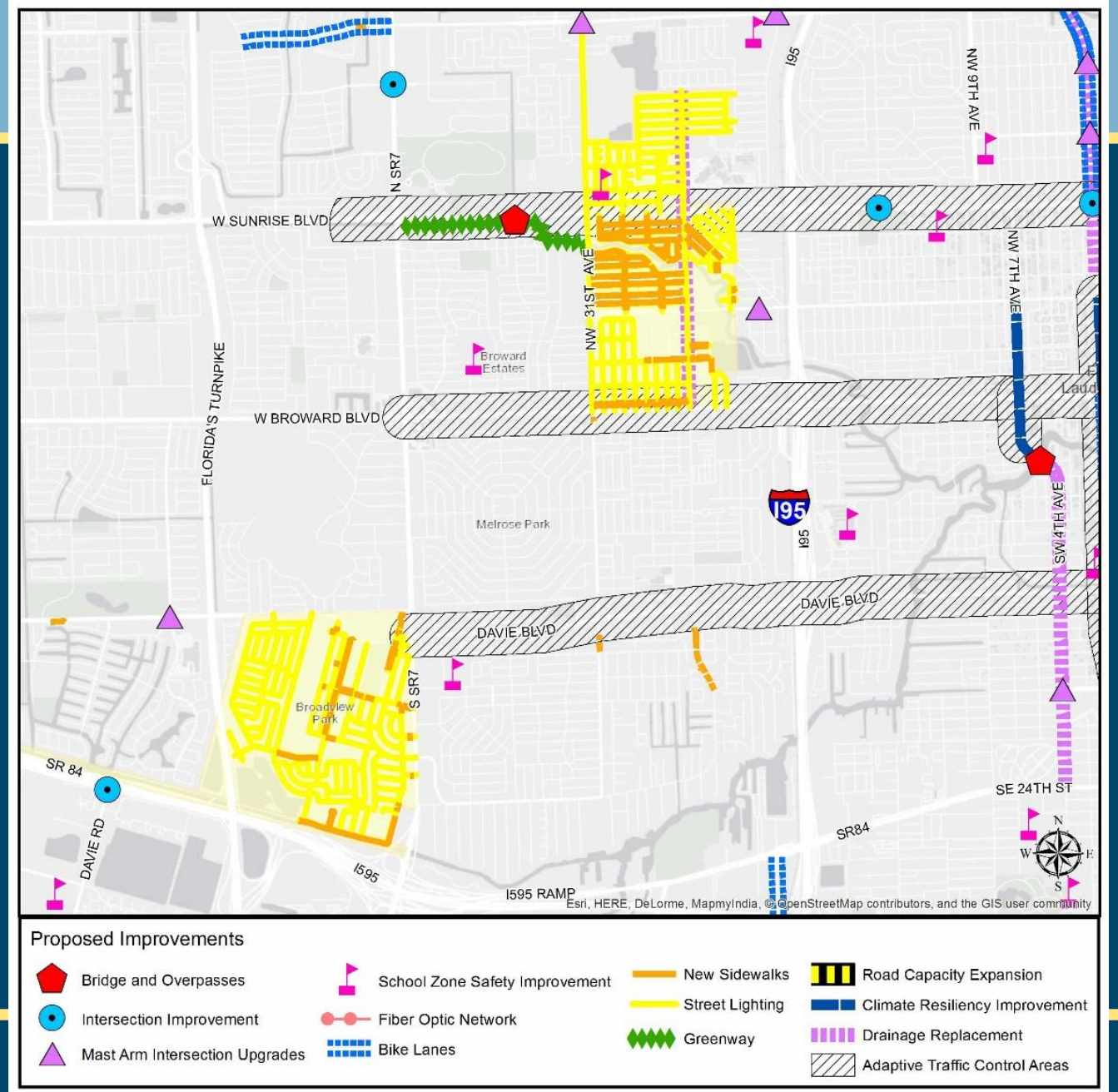
- Road capacity expansion along Miramar Pkwy. & Douglas Rd.
- 4 Intersection improvements
- 2 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cables along Miramar Pkwy.
- 1 Mast arm upgrades
- 7 School zone safety improvements
- Greenway
- Sidewalks



# Municipal Services District

## Road/Trafficway Projects:

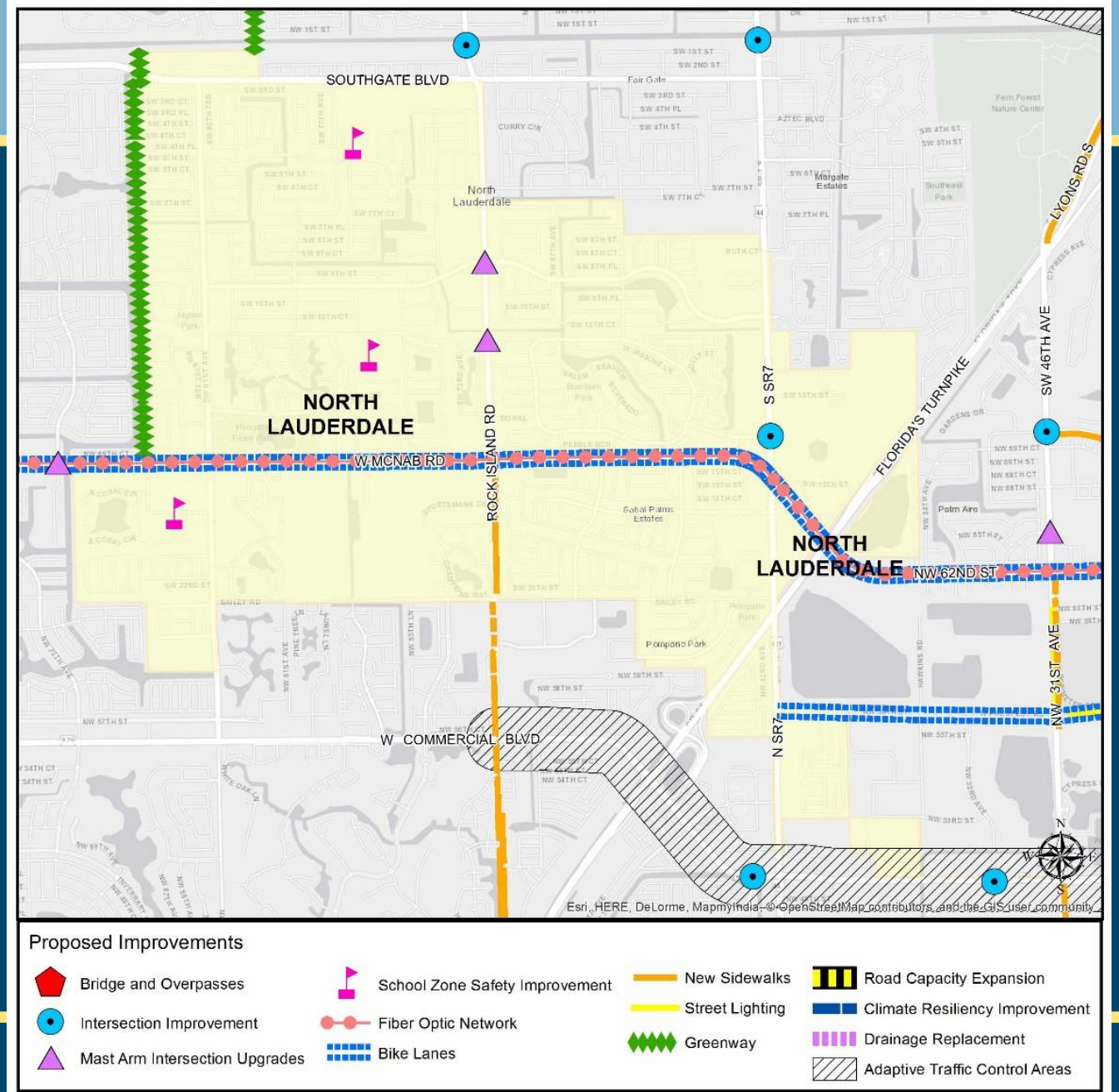
- 2 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Drainage replacement along NW 27 Ave
- 1 School zone safety improvement
- Sidewalks
- Street Lighting



# North Lauderdale

## Road/Trafficway Projects:

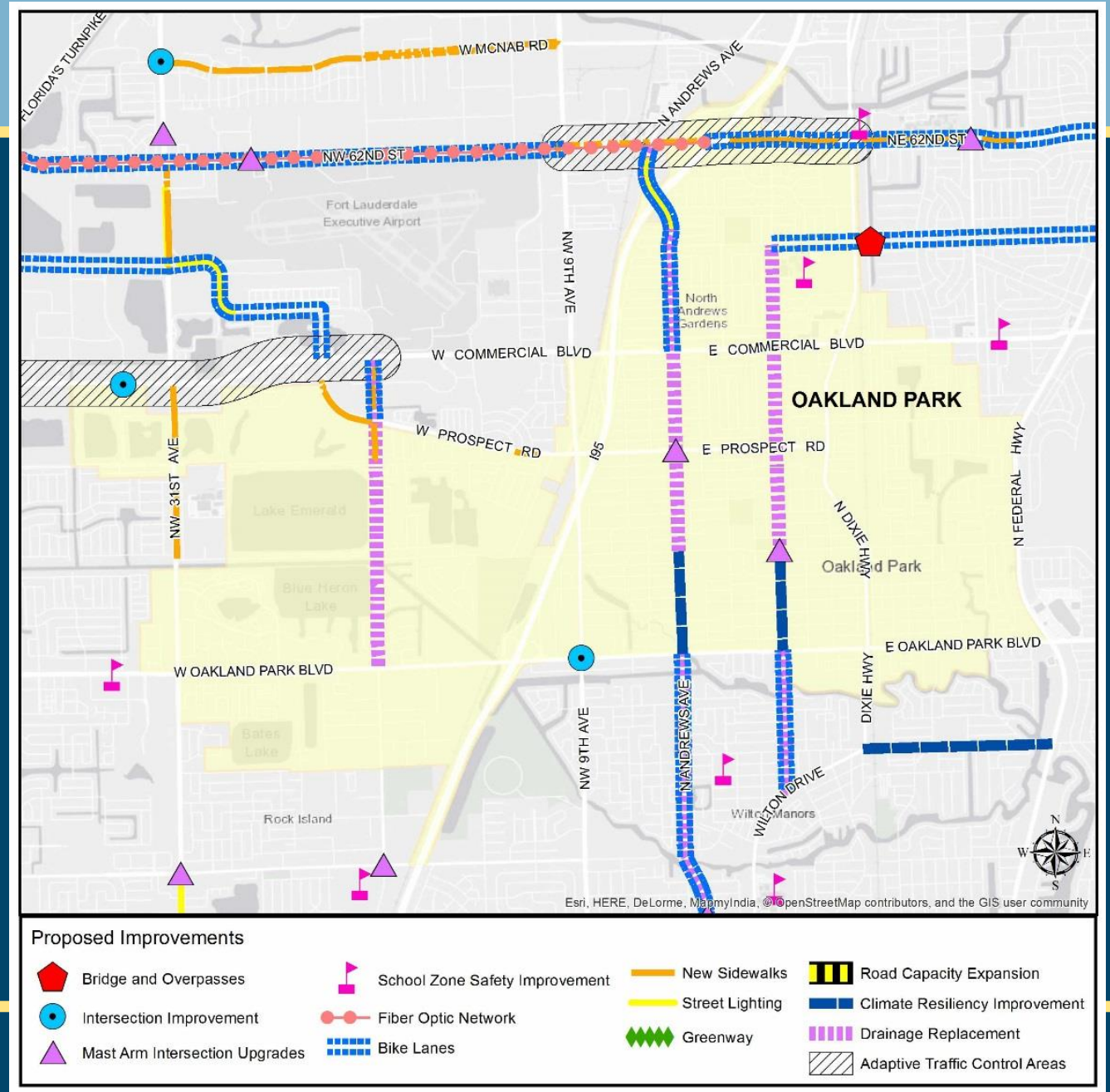
- 2 Intersection improvements
- 1 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cables along McNab Rd
- 2 Mast arm upgrades
- 3 School zone safety improvements
- Bike lanes along McNab Rd & Prospect Rd
- Greenway
- Sidewalks



# Oakland Park

## Road/Trafficway Projects:

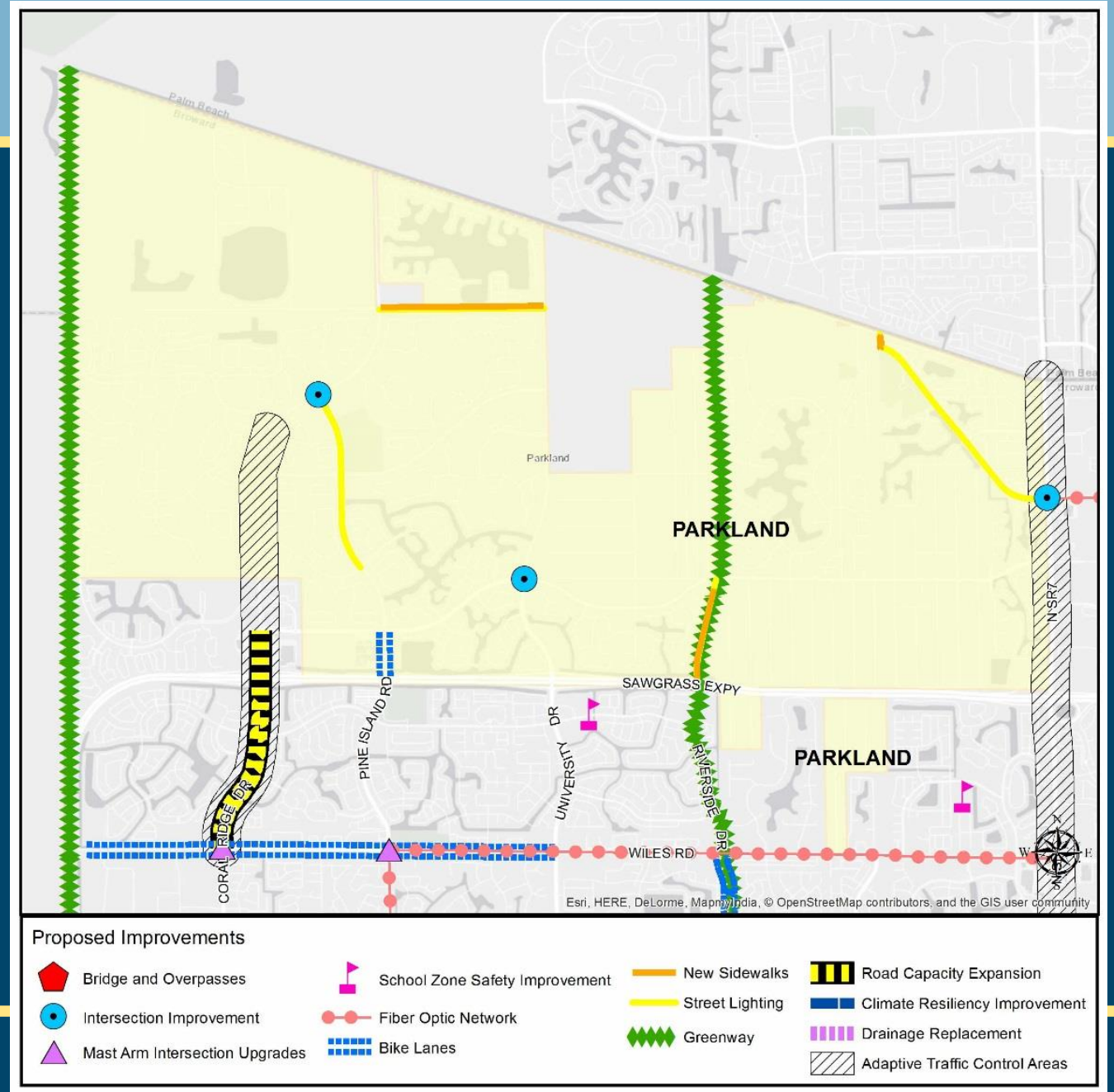
- 2 Intersection improvements
- 2 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cables along NE 62 St.
- 2 Mast arm upgrades
- 1 School zone safety improvement
- Bike lanes along NE 62 St., NE 56 St., & Andrews Ave.
- Climate resiliency improvements along Andrews Ave. & NE 6 Ave.
- Drainage replacement along NE 6 Ave., Andrews Ave., & NW 21 Ave
- Sidewalks
- Street lighting



# Parkland

## Road/Trafficway Projects:

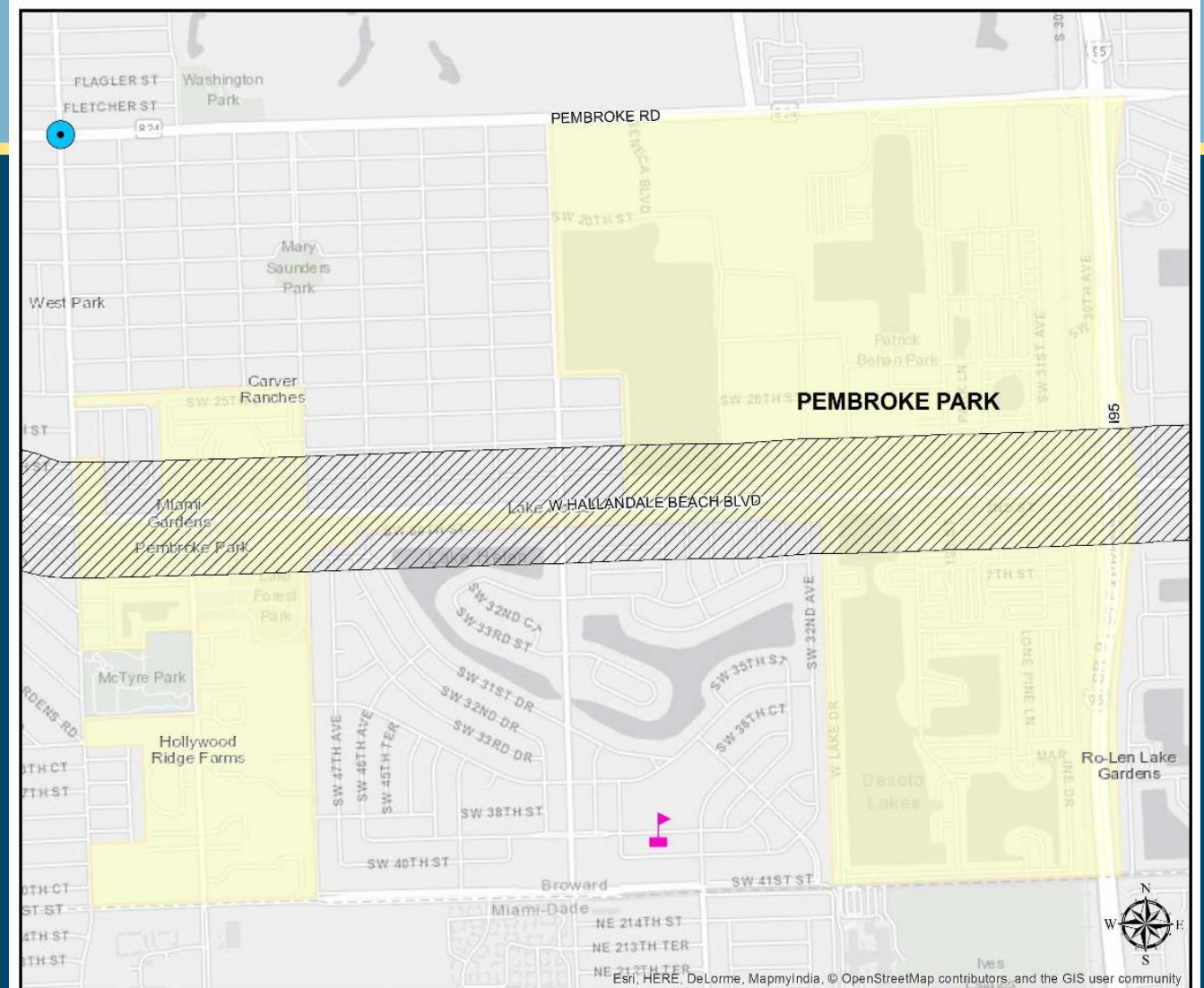
- 3 Intersection improvements
- 2 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Bike lanes along Pine Island Rd
- Greenway
- Sidewalks
- Street lighting



# Pembroke Park

## Road/Trafficway Projects:

- 1 Adaptive traffic signal control area
- Traffic signal video detection predictive maintenance program (countywide)



### Proposed Improvements

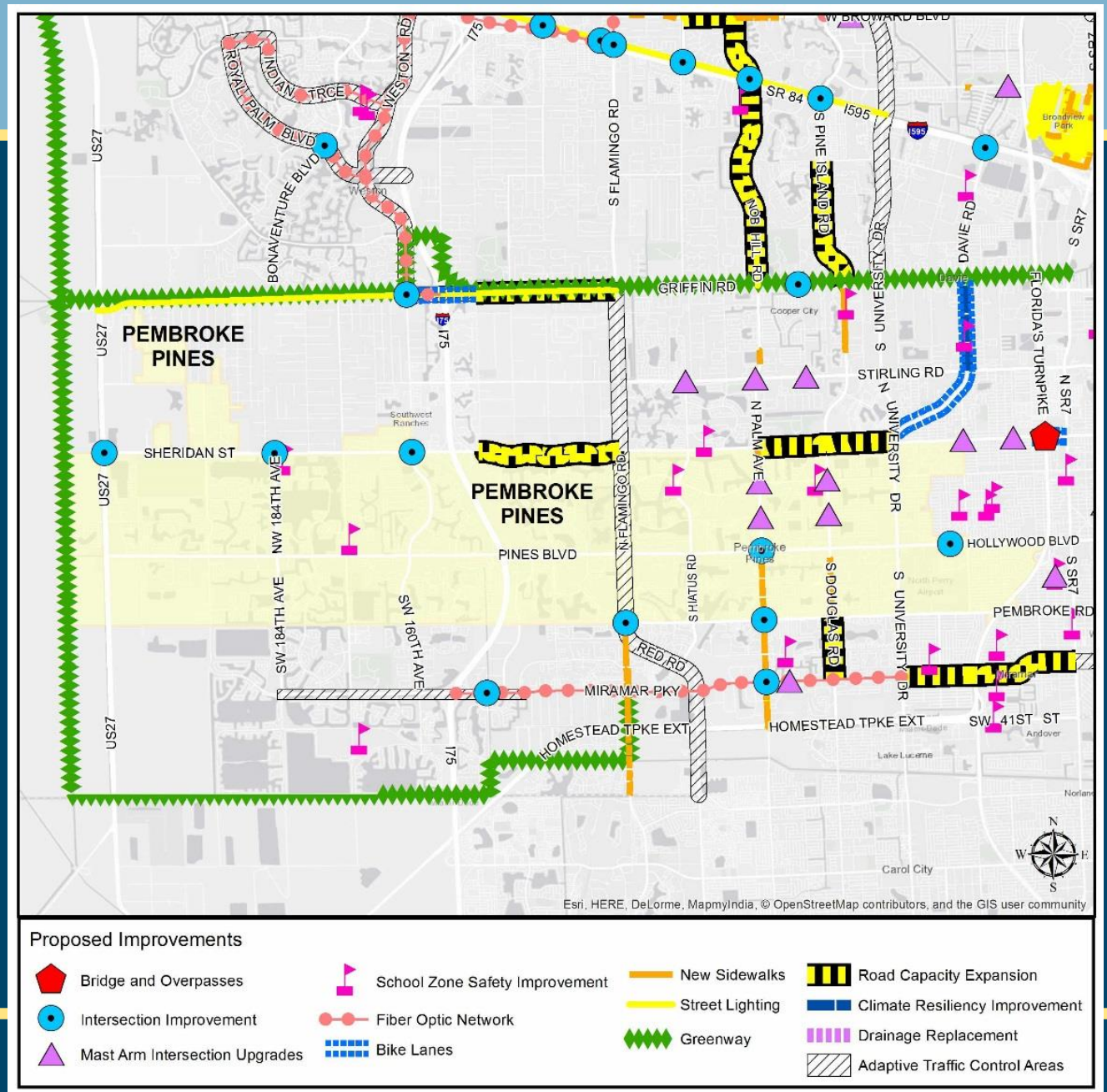
- |                                |                                |                 |                                |
|--------------------------------|--------------------------------|-----------------|--------------------------------|
| Bridge and Overpasses          | School Zone Safety Improvement | New Sidewalks   | Road Capacity Expansion        |
| Intersection Improvement       | Fiber Optic Network            | Street Lighting | Climate Resiliency Improvement |
| Mast Arm Intersection Upgrades | Bike Lanes                     | Greenway        | Drainage Replacement           |
|                                |                                |                 | Adaptive Traffic Control Areas |



# Pembroke Pines

## Road/Trafficway Projects:

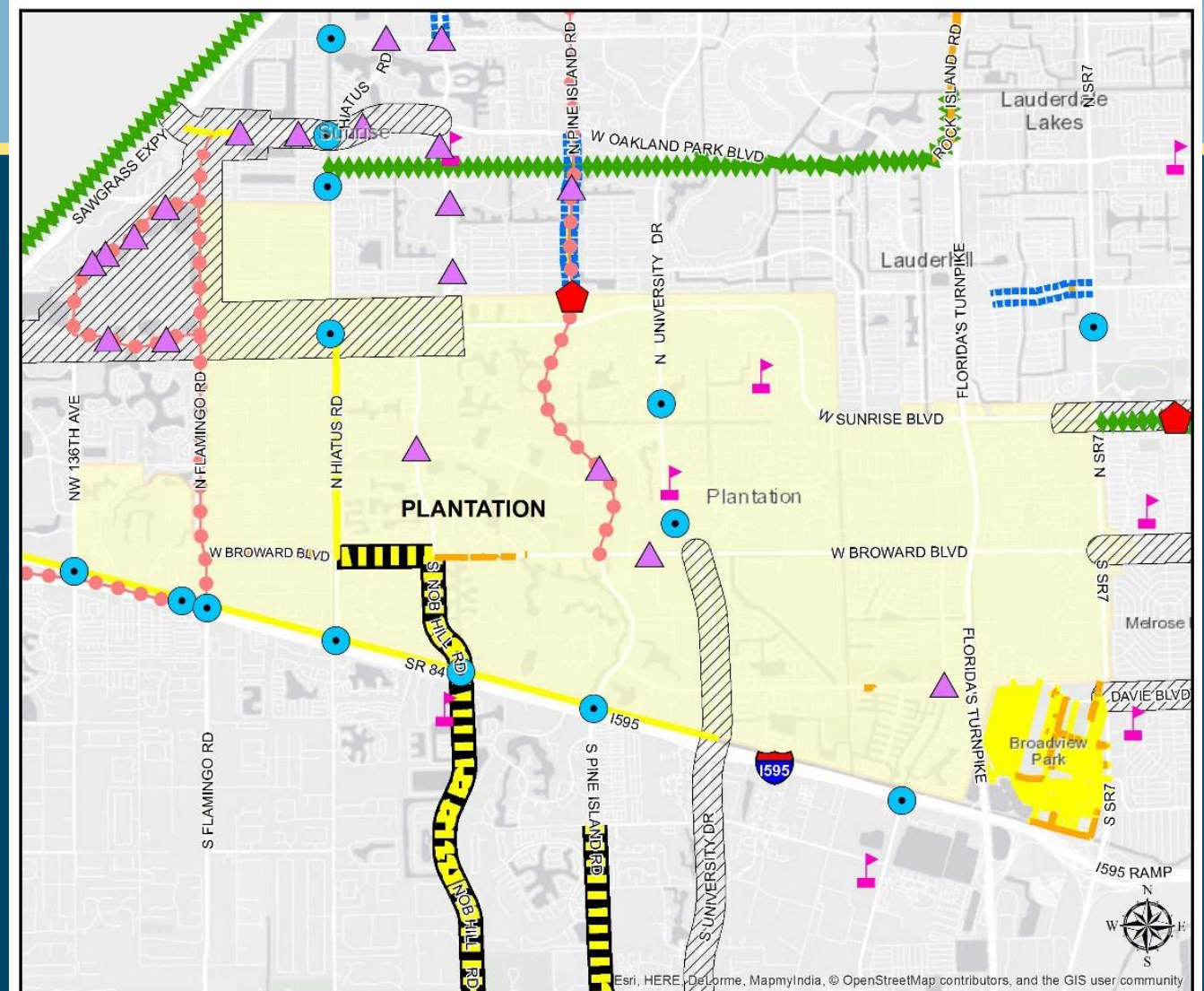
- Road capacity expansion along Sheridan St
- 7 Intersection improvements
- 1 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- 5 Mast arm upgrades
- 4 School zone safety improvements
- Greenway
- Sidewalks



# Plantation

## Road/Trafficway Projects:

- Road capacity expansion along Broward Blvd & Nob Hill Rd
- 9 Intersection improvements
- 3 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cable along Pine Island Rd & Flamingo Rd
- 4 Mast arm upgrades
- 2 School zone safety improvements
- 1 Bridge/overpass improvement
- Sidewalk
- Street lighting



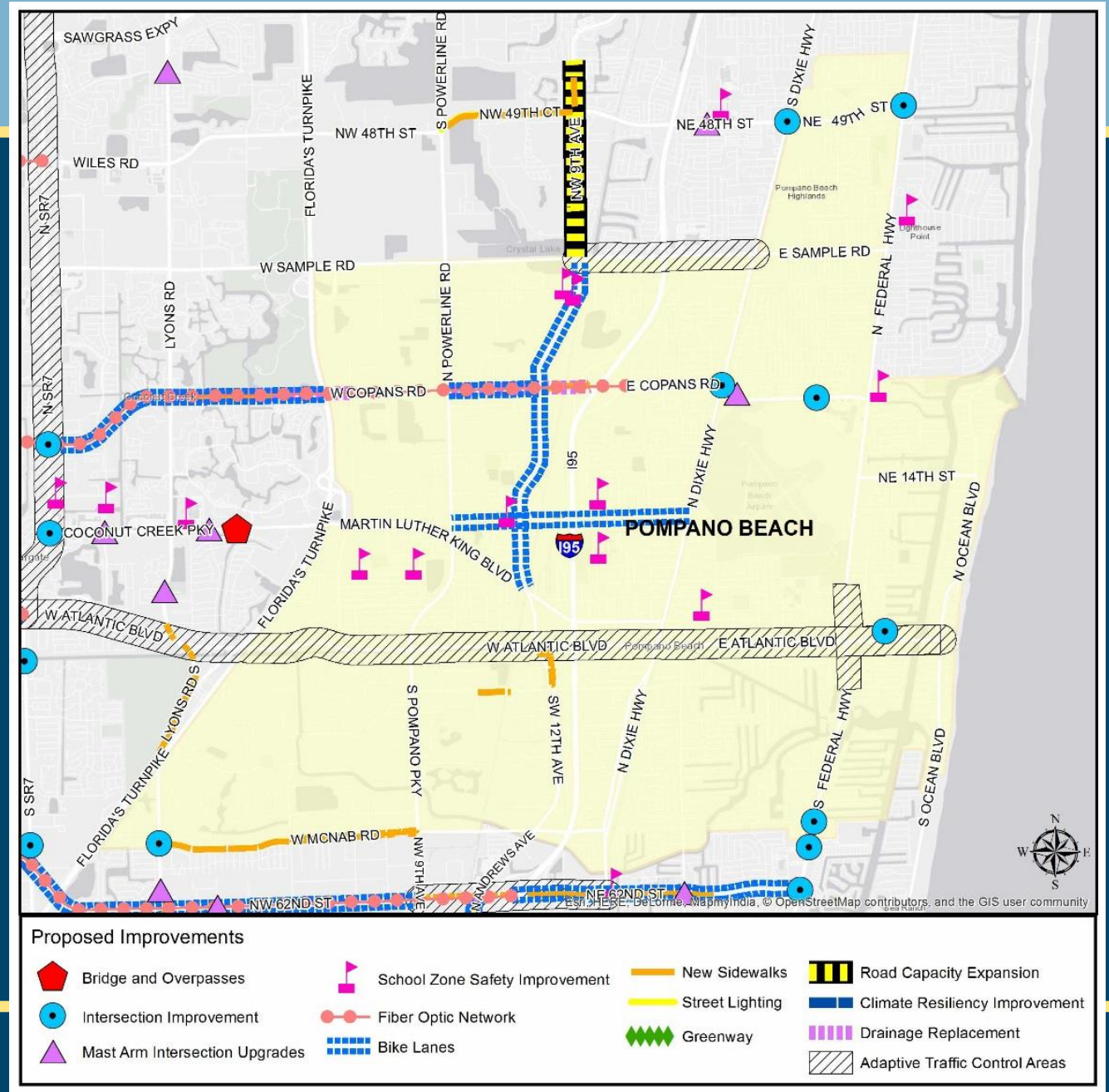
### Proposed Improvements

- |                                |                                |                 |                                |
|--------------------------------|--------------------------------|-----------------|--------------------------------|
| Bridge and Overpasses          | School Zone Safety Improvement | New Sidewalks   | Road Capacity Expansion        |
| Intersection Improvement       | Bike Lanes                     | Street Lighting | Climate Resiliency Improvement |
| Mast Arm Intersection Upgrades | Drainage Replacement           | Greenway        | Adaptive Traffic Control Areas |

# Pompano Beach

## Road/Trafficway Projects:

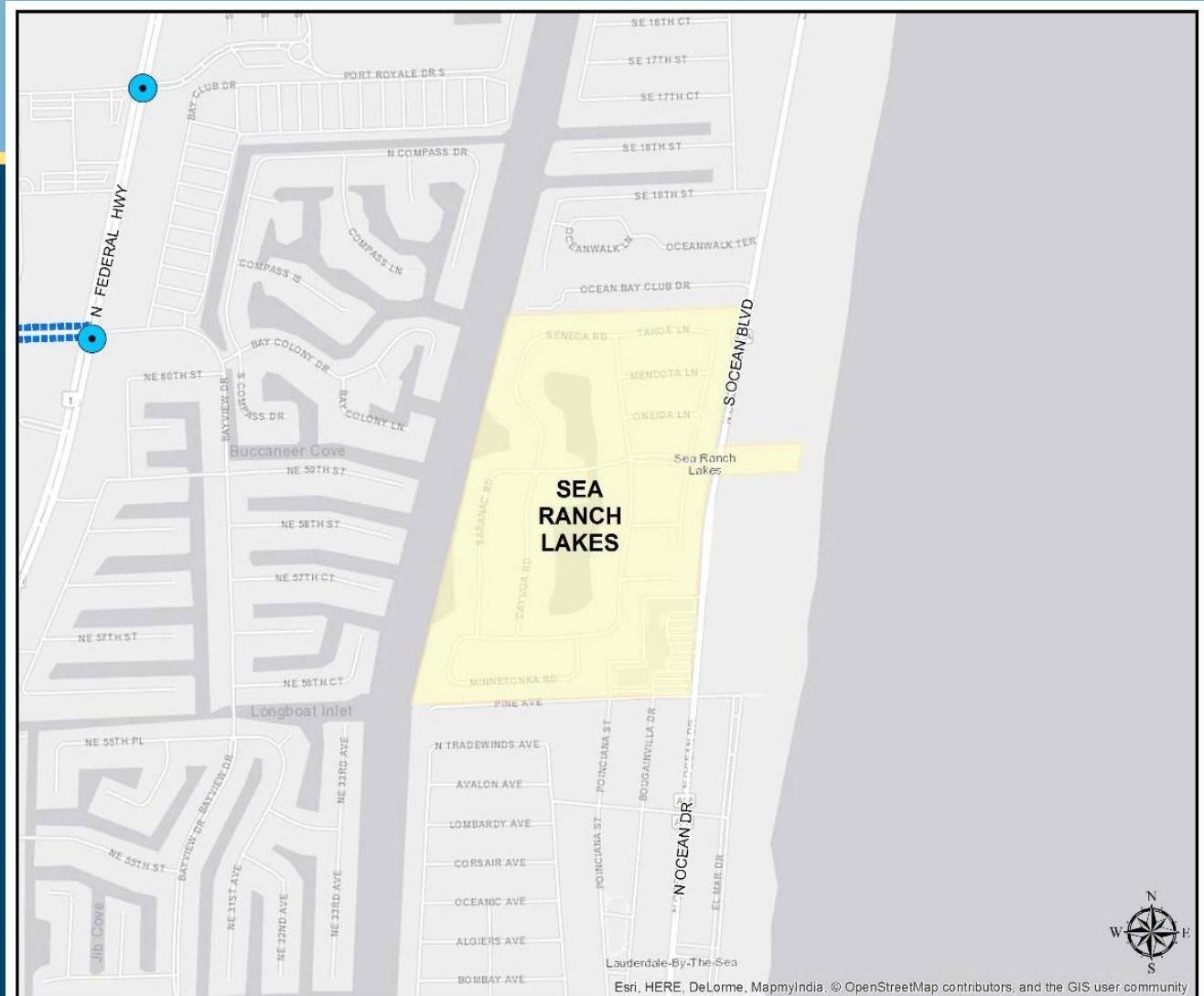
- 7 Intersection improvements
- 3 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cable along Copans Rd
- 1 Mast arm upgrades
- 10 School zone safety improvements
- Bike lanes along Andrews Ave & NW 15 St
- Drainage replacement along Copans Rd
- Sidewalk
















# Sea Ranch Lakes

## Road/Trafficway Projects:

- Traffic signal video detection predictive maintenance program (countywide)



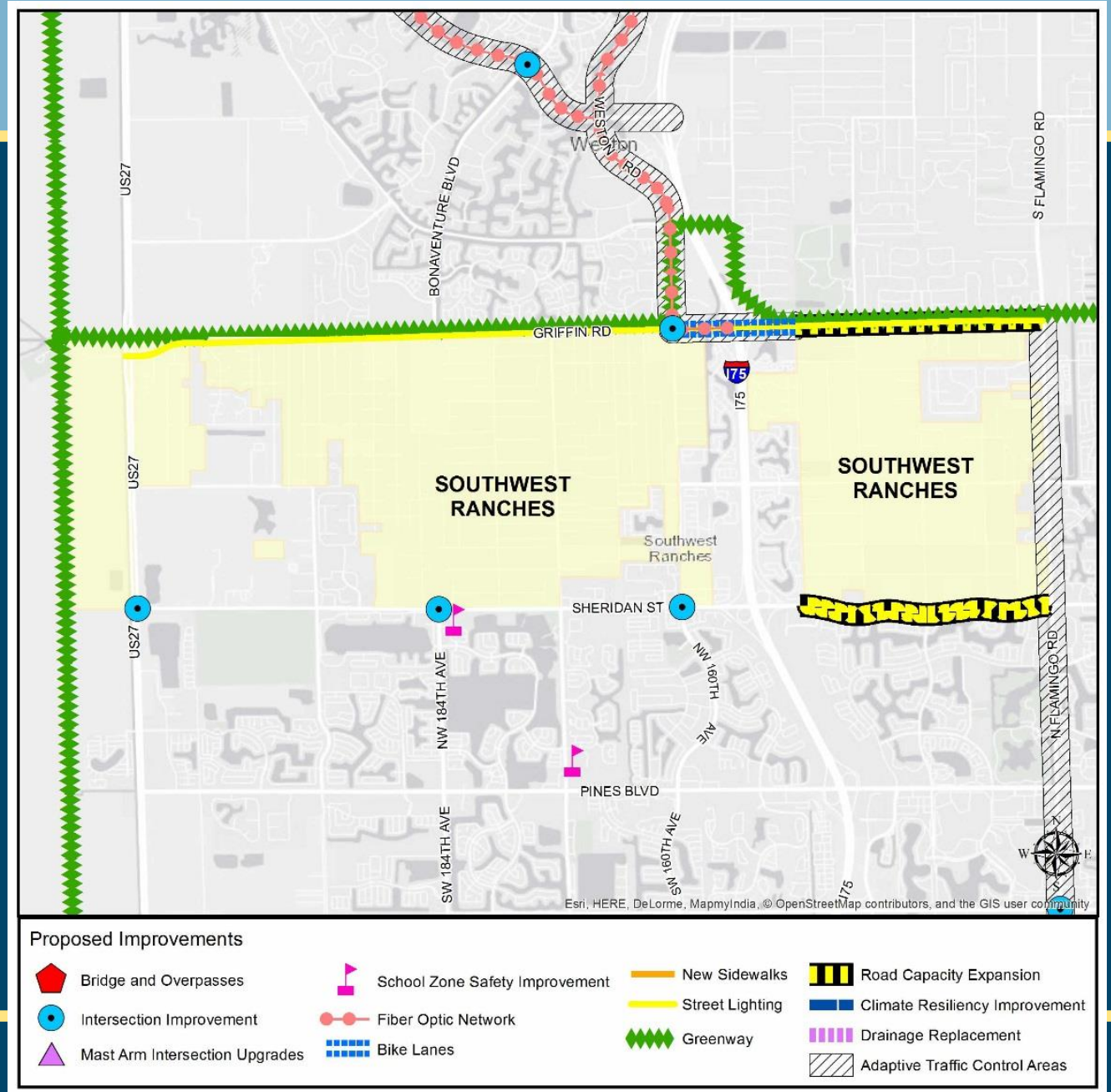
### Proposed Improvements

- |  |  |   |  |
|--|--|---|--|
|  Bridge and Overpasses          |  School Zone Safety Improvement |  New Sidewalks   |  Road Capacity Expansion        |
|  Intersection Improvement       |  Fiber Optic Network            |  Street Lighting |  Climate Resiliency Improvement |
|  Mast Arm Intersection Upgrades |  Bike Lanes                     |  Greenway        |  Drainage Replacement           |
|  |  |   |  Adaptive Traffic Control Areas |

# Southwest Ranches

## Road/Trafficway Projects:

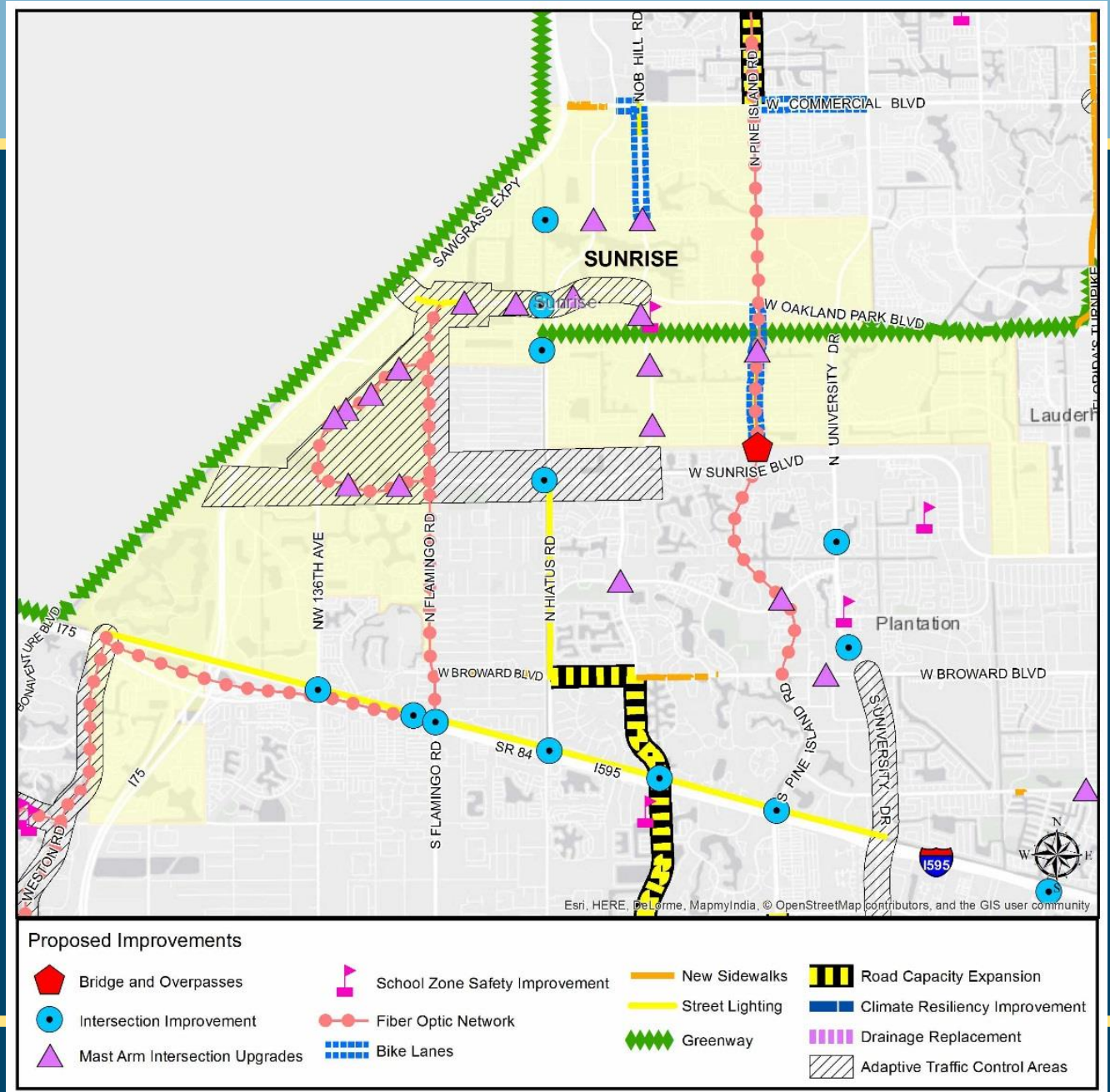
- Road capacity expansion along Sheridan St & Griffin Rd
- 4 Intersection improvements
- 1 Adaptive traffic signal control area
- Traffic signal video detection predictive maintenance program (countywide)
- Bike lanes along Griffin Rd
- Greenways
- Street lighting



# Sunrise

## Road/Trafficway Projects:

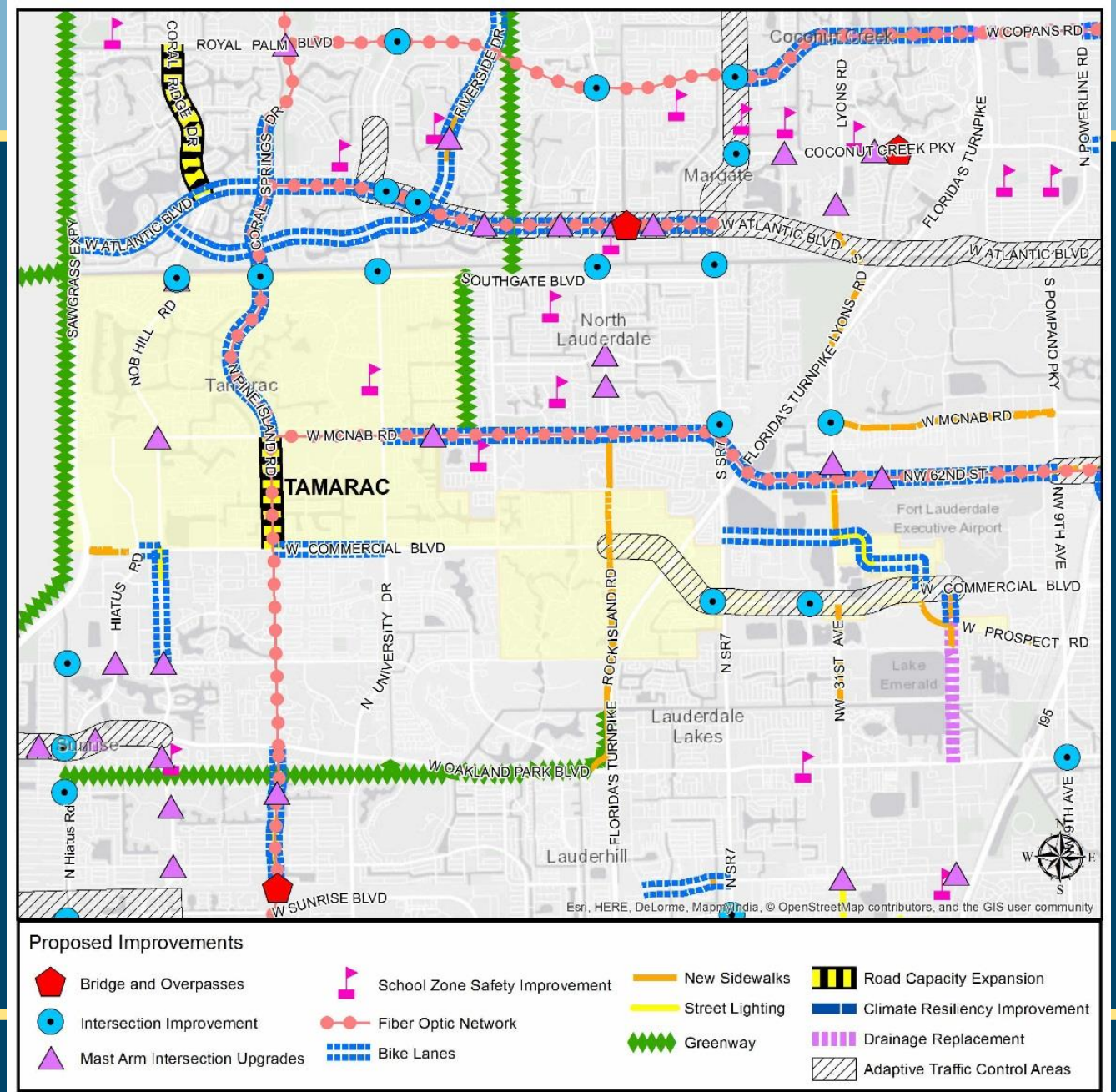
- 4 Intersection improvements
- 1 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cables along Flamingo Rd, NW 136 Ave, Sunrise Blvd & Pine Island Rd
- 15 Mast arm upgrades
- 1 School zone safety improvements
- Bike lanes along Nob Hill Rd
- 1 Bridge/overpass improvements
- Greenways
- Sidewalks
- Street lighting



# Tamarac

## Road/Trafficway Projects:

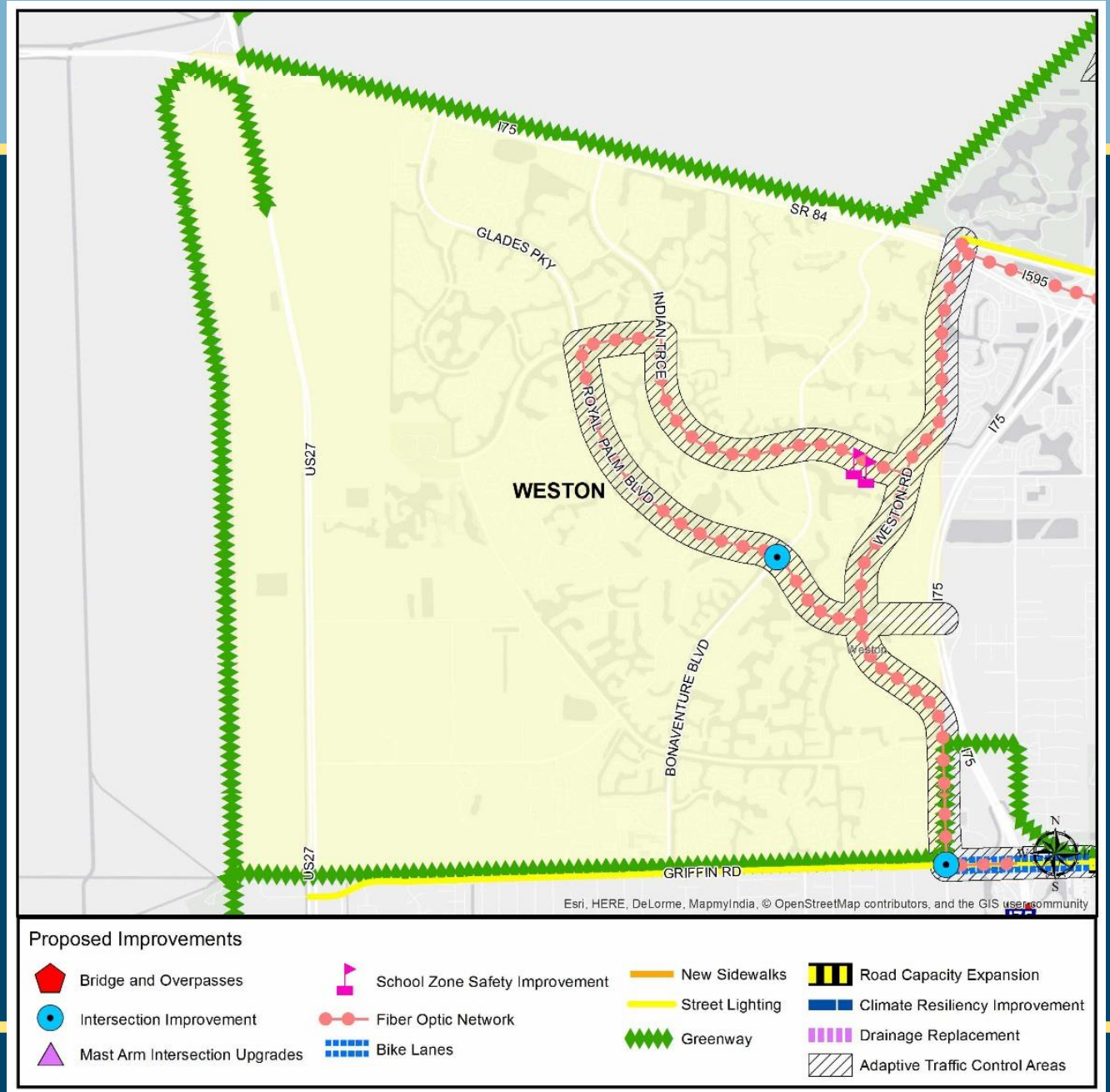
- Road capacity expansion along Pine Island Rd
- 6 Intersection improvements
- 1 Adaptive traffic signal control areas
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cables along Pine Island Rd & McNab Rd
- 3 Mast arm upgrades
- 1 School zone safety improvements
- Bike lanes along Pine Island Rd, McNab Rd & Commercial Blvd
- Greenways
- Sidewalks



# Weston

## Road/Trafficway Projects:

- 1 Intersection improvements
- 1 Adaptive traffic signal control area
- Traffic signal video detection predictive maintenance program (countywide)
- Fiber optic cables along Weston Rd., Royal Palm Blvd. & Indian Trace Rd.
- 2 School zone safety improvements
- Greenways









# Roadway/Traffic/Signalization Projects

## SUMMARY OF IMPROVEMENTS:

- Road capacity expansion – 46 lane miles
- Intersection improvements – 73 intersections
- Adaptive signal control – 20 areas
- Fiber optic cables – 75 miles
- Traffic signal video detection predictive maintenance - countywide
- School zone safety improvements – 80 schools
- Sidewalks – 40 miles
- Street lighting – 70 miles
- Bike lanes – 72 miles
- Mast arm upgrades – 80 intersections
- Greenways – 95 miles
- Resiliency improvement/roadway flooding mitigation – 9 miles
- Drainage replacement – 27,500 feet
- Bridges/overpasses – 7
- Future technology adaptation



# 30-Year Transit Plan Elements

- Maintain the Existing BCT System
- Provide New Local Service Enhancements
- Implement New Rapid (Limited Stop) Bus Service
- Expand Light Rail Transit (LRT)
- Develop New Funding Plan for Community Bus Program
- Provide Capital Improvements

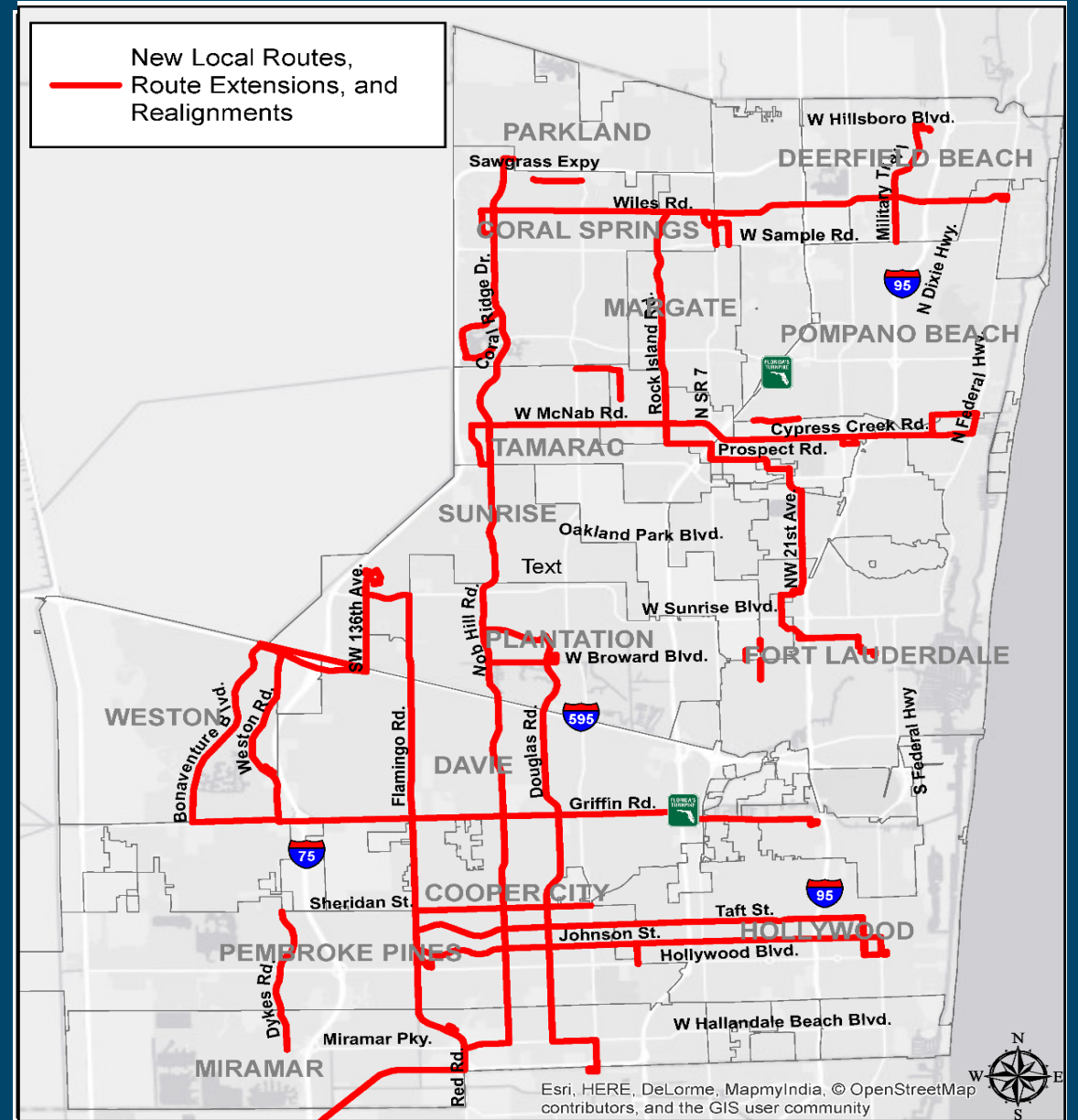
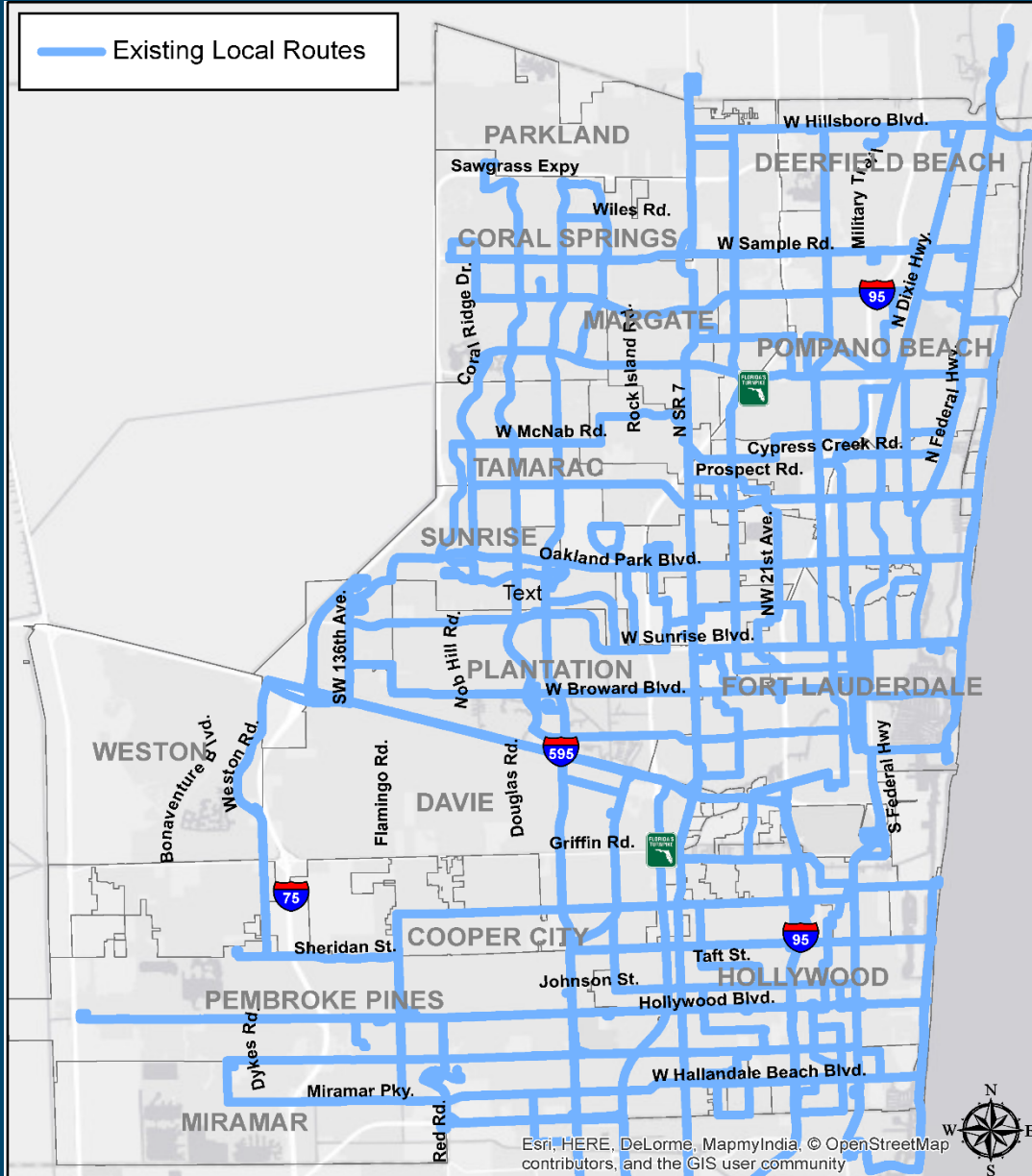
# Maintain the Existing BCT System

- Managing our existing assets in a “State of Good Repair” over next 30 years is projected to require \$8.8B and is federally-mandated (49 U.S.C. 5326(b)(2), (3) and FTA C5300.1)
- 359 fixed-route buses
- 1,200 bus shelters
- 4,600 bus stops
- 4 transit terminals
- 2 operations and maintenance facilities

# Transit System Modes

- Express Service: extremely limited stop bus service; long distance trips; typically originating at a Park and Ride
- Bus Rapid Transit (BRT) Service: less frequent stops than local service, generally at the highest-demand areas on highest ridership corridors; involves specialized stations; curb-, or level-boarding (to speed the boarding process)
- Light Rail: operates in dedicated right-of-way at higher speeds, along high demand corridors, using vehicles with high passenger capacities and the ability to be coupled (multiple cars connected together)
- Streetcar: operates in mixed traffic and at lower speeds, with traffic signal priority; purpose is both transit and economic development

# Provide New Local Bus Service Enhancements





# New Local Service Enhancements

- **Restoration of Discontinued Route Service (2019)**

- Route 15 (Griffin Rd. to County Line Rd.)
- Route 16 (Pembroke Lakes Mall to Dania Beach City Hall via Stirling Rd.)
- Route 23 (Pembroke Lakes Mall to Sawgrass Mall)
- Route 48 (US 441 to A1A via Hillsboro Blvd.)
- Route 56 (Welleby Plaza-Jacaranda Plaza via Sunrise Lakes Blvd.)
- Route 88 (West Regional Terminal to Holmberg Rd.-Coral Ridge Dr.)

- **Route Extensions and Realignment**

- **Increased Service Span Hours**

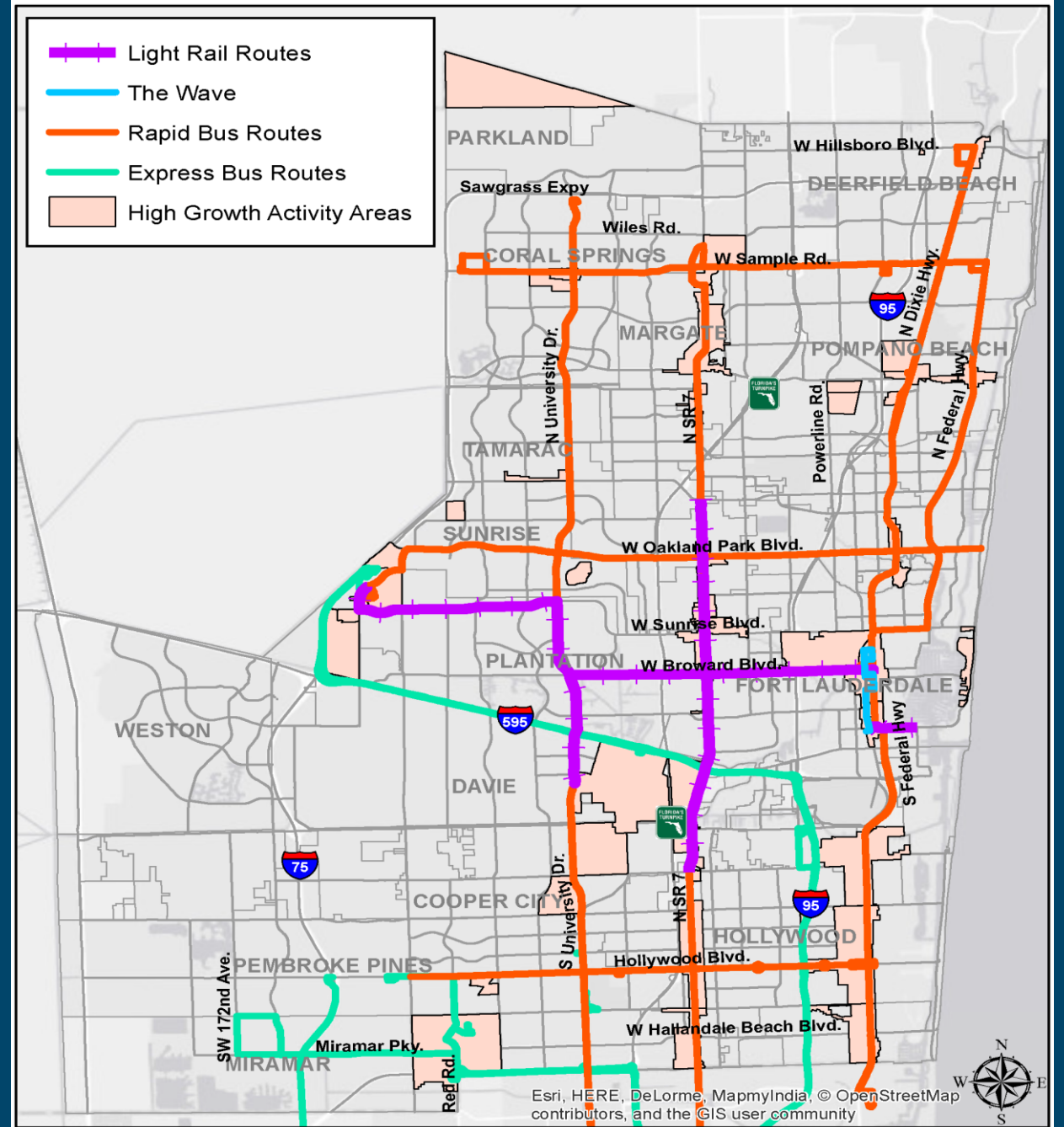
- **Improved Frequencies**

- All routes will have 30-minute maximum peak service

- **New Routes on 10 Corridors**

- Taft Street (2019)
- Rock Island Rd. (2020)
- Nob Hill Road (2021)
- McNab Road (2022)
- Flamingo Rd. (2023)
- Douglas Rd. (2024)
- Johnson Street (2025)
- Griffin Rd. (2026)
- Wiles Rd. (2027)
- Palm Avenue (2028)

# Broward County's Plan for Connectivity includes faster, easier and better Public Transportation Options





# New Broward Blvd. Breeze and Rapid Bus Service

- Broward Breeze (2018)

- Starts service in 2018
- Costs \$ 1.1 M per yr. to operate
- AM and PM Peak service, every 30 minutes
- \$ 4.8 M for buses 8 buses: (6 for revenue service, 2 spares)
- Faster Limited Stop service (10 stops) compared to EB local route 22 (46 stops)
- Serves from Sawgrass Mall to Downtown Fort Lauderdale
- Serves Park and Ride Lots at West Regional Terminal in Plantation and BB&T Center in Sunrise

- Broward Rapid (2031)

- Starts service in 2031, upgrades Breeze service
- Serves from Sawgrass Mall to Downtown Fort Lauderdale
- Service Span increase to 10/15-minute service all day
- Costs \$4.15 M p/yr. to operate
- Requires \$7.1M for 9 new buses (7 for revenue service, 2 spares)
- Requires \$46.2M in Rapid Bus Infrastructure Investments (Bus Rapid Transit investments)

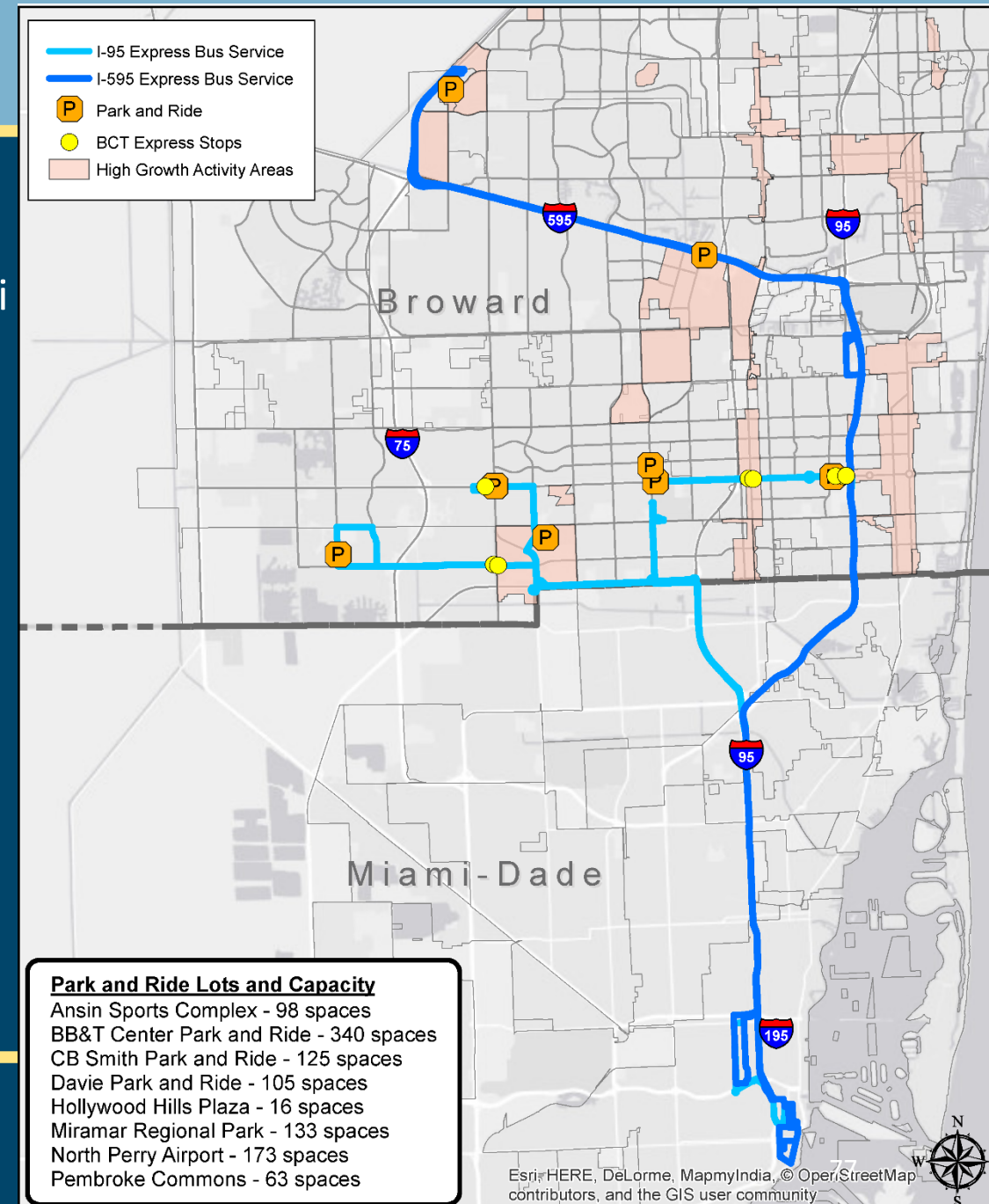
# Existing Express Bus Services

## • I-95 Express Bus: 4 Routes

- 95 Express Hollywood: Miramar Regional Park to Miami Civic Ctr.
- 95 Express Hollywood: Univ. Dr./Hollywood-Pines Blvd to Miami Civic Ctr. & Downtown Miami.
- 95 Express Pembroke Pines: North Perry Airport to Miami Civic Ctr.
- 95 Express Pembroke Pines/Miramar: CB Smith Park/Ansin Sports Complex to Downtown Miami.

## • I-595 Express: 2 Routes

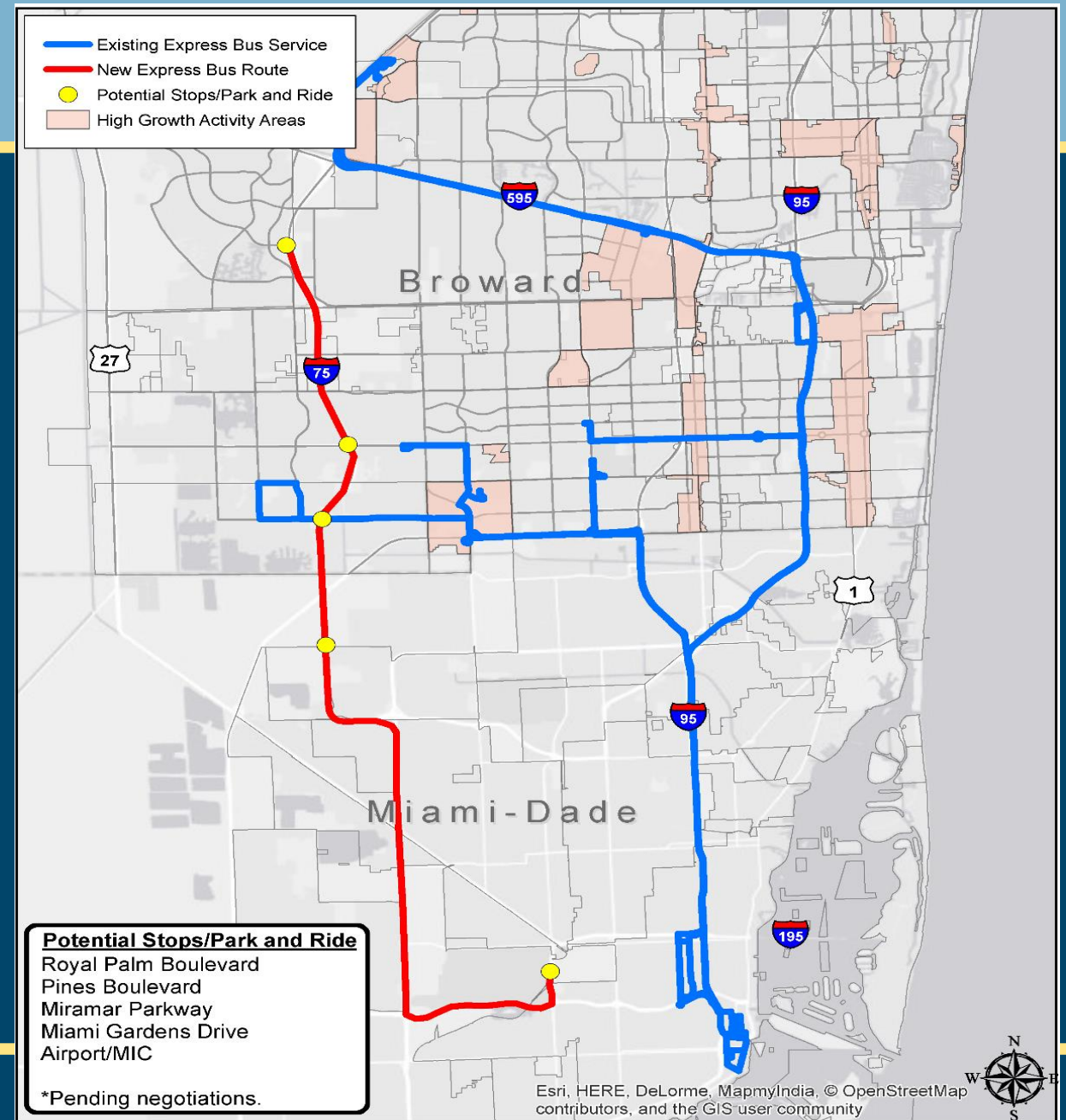
- 595 Express: BB&T Center to Miami/Brickell.
- 595 Express: BB&T Center to Miami Civic Center



# I-75 Express Bus Service

## • I-75 Express Bus (2019)

- Starts service in 2019
- AM and PM Peak service only
- \$ 3.6 M for 6 new buses (5 for revenue service, 1 spare) (FDOT funded)
- \$930 K p/yr to operate
- Park and Ride lots proposed for Royal Palm Blvd., Hollywood/Pines Blvd., Miami Gardens
- Will serve western Broward County, Miami International Airport, Miami Intermodal Center (MIC)



# New Rapid Bus Service

- Implement 8 Rapid Bus Routes (171 Miles):

- Limited-stop bus service
- 10/15-minute service all day
- Will operate in mixed traffic or semi-exclusive lanes
- Level boarding stations
- Transit signal priority (TSP) and queue jumpers
- Will operate on state roads

- 441/SR 7 (2021)
- Oakland Park Blvd. (2024)
- US 1 (2027)
- Hollywood/Pines Blvd. (2030)
- Broward Blvd. (2031)
- University Drive (2033)
- Sample Road (2036)
- Dixie Highway (2039)

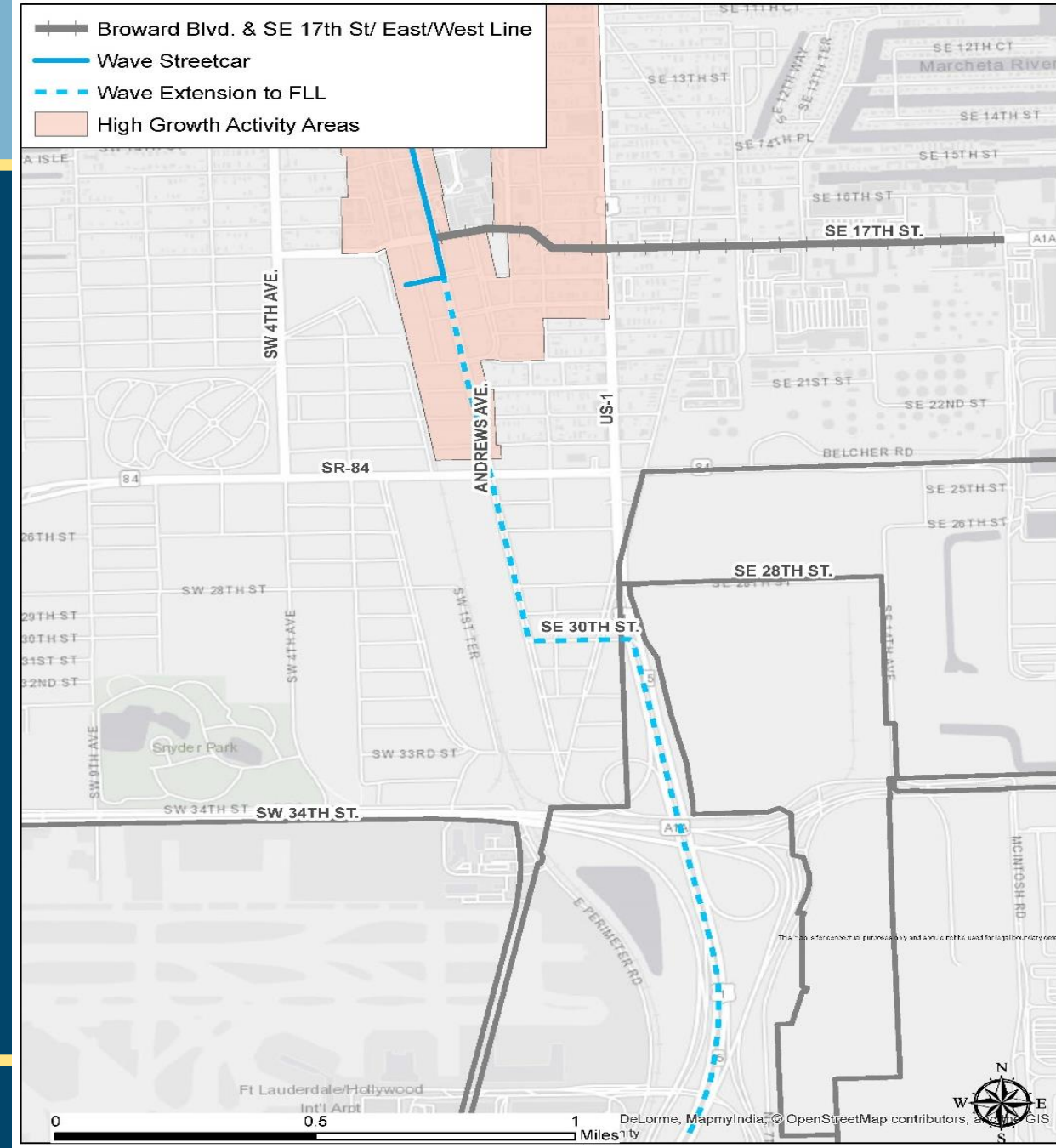
# New Light Rail on High-Ridership Corridors

- Light Rail Transit (LRT) Lines (27.2 Miles):
  - Broward Blvd. & SE 17<sup>th</sup> St. East-West (5 miles)
  - US 441/SR 7 Line (9.7 miles)
  - Broward Boulevard West Extension (9.7 miles)
  - University Drive-NOVA Extension (2.8 miles)

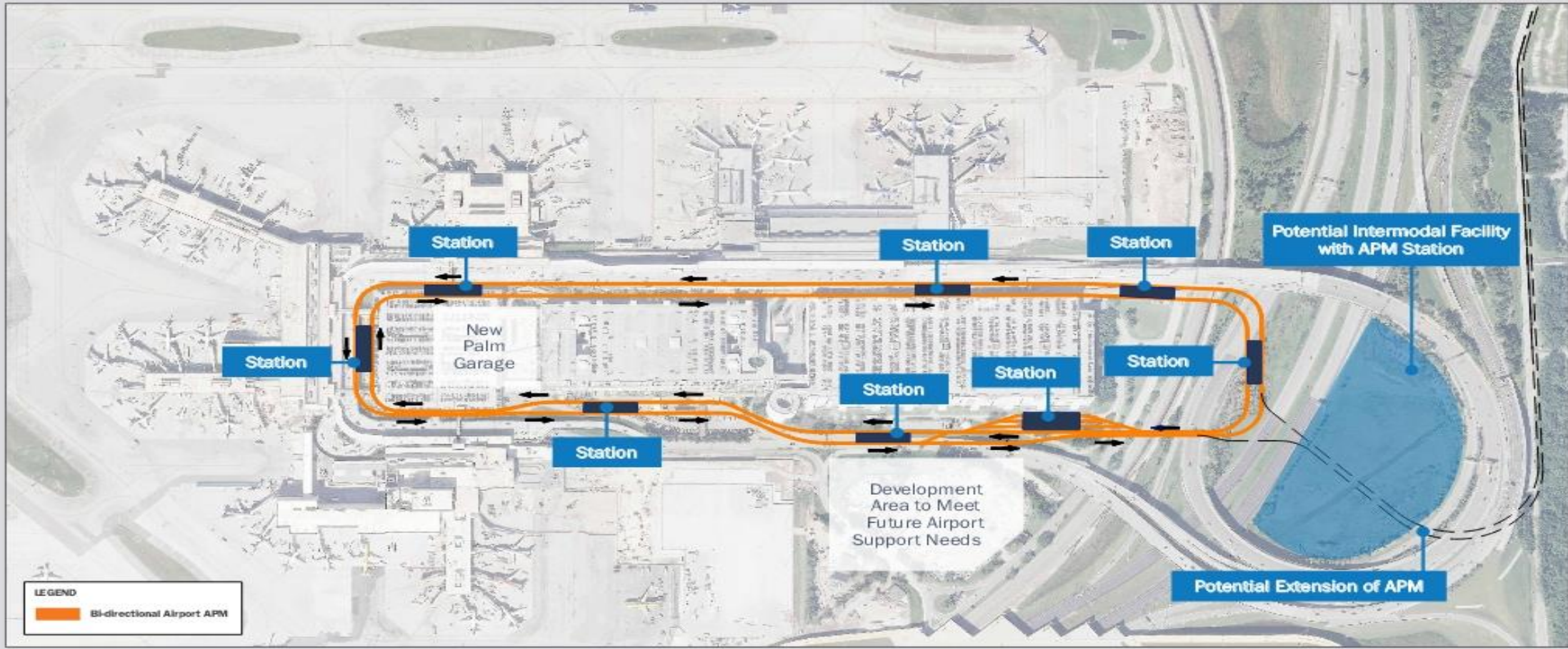


# Port-Airport Connectivity

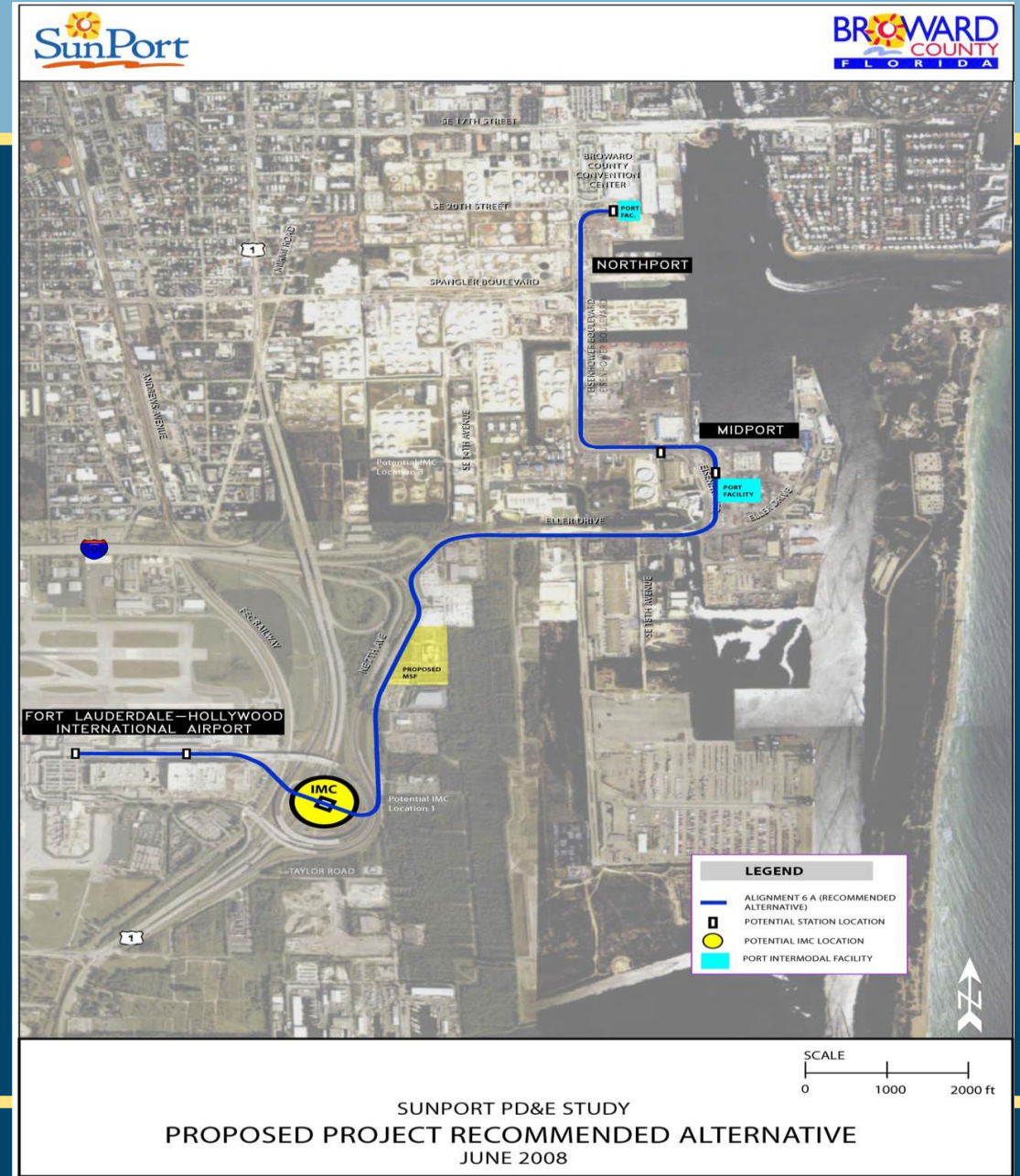
- The long-term objective is to connect the CVB, Port and Airport to Wave Phase 1 and future alignments; options being evaluated include using light rail; people-mover or combination.
- Connecting Wave to the APM extension on the next slide and bring Wave into Port (similar to SunPort alignment) is being studied
- The Airport segment (dotted line) previously-studied by FDOT is not currently in the Sales Tax Financial Plan.



# PRELIMINARY ON-AIRPORT AUTOMATED PEOPLE MOVER (APM) CONCEPT

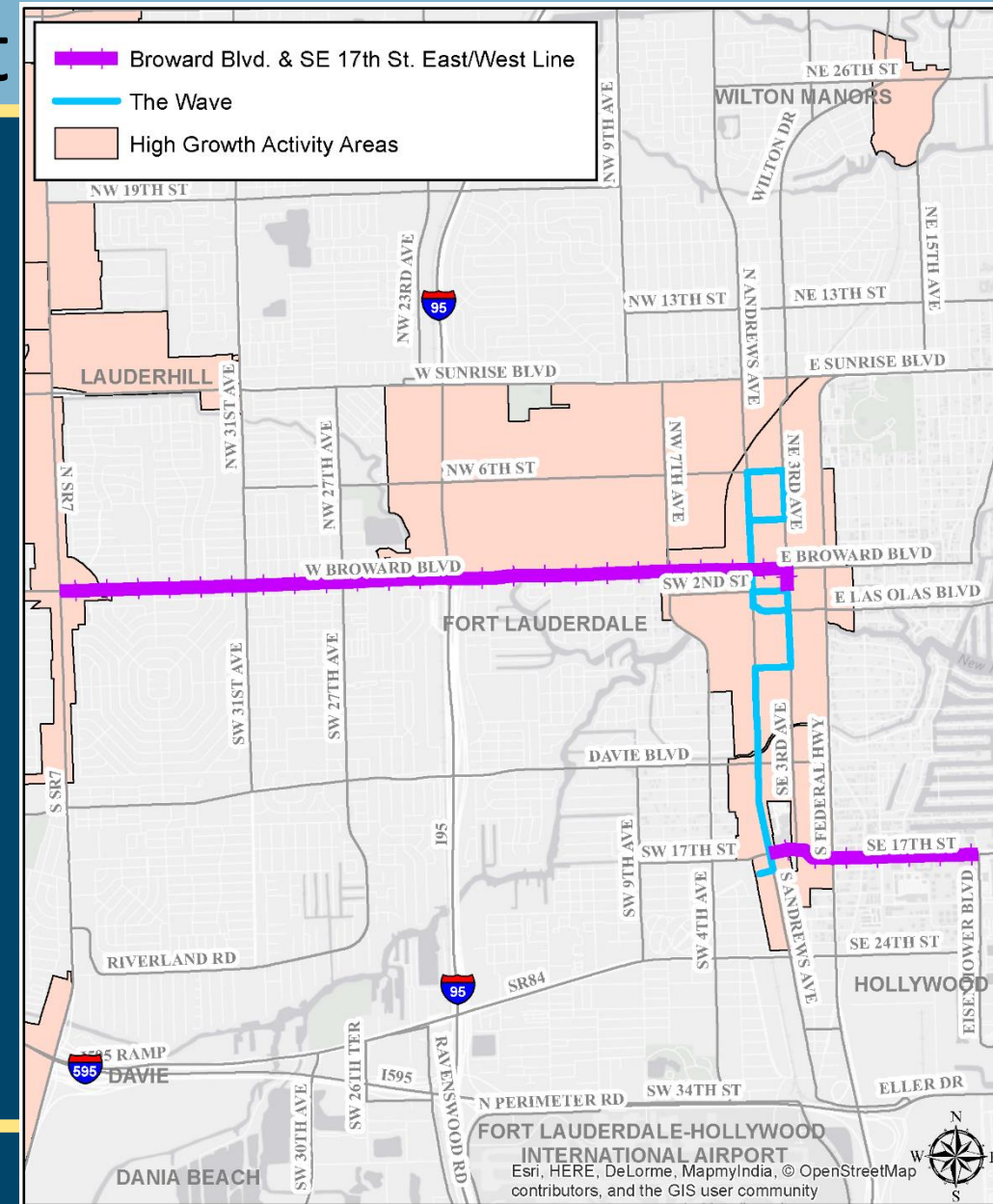


- Recognizing the growth at the International Airport (FLL) and Port Everglades (PEV), as well as the CVB's expansion and hotel, we are looking at previously-studied alignments and shaping them to take advantage of our economic engines' unique proximity
- Sunport was always very costly, but by leveraging enterprise agencies' financial resources, including access to various federal and state resources, we believe connectivity (perhaps using an amended alignment) is achievable



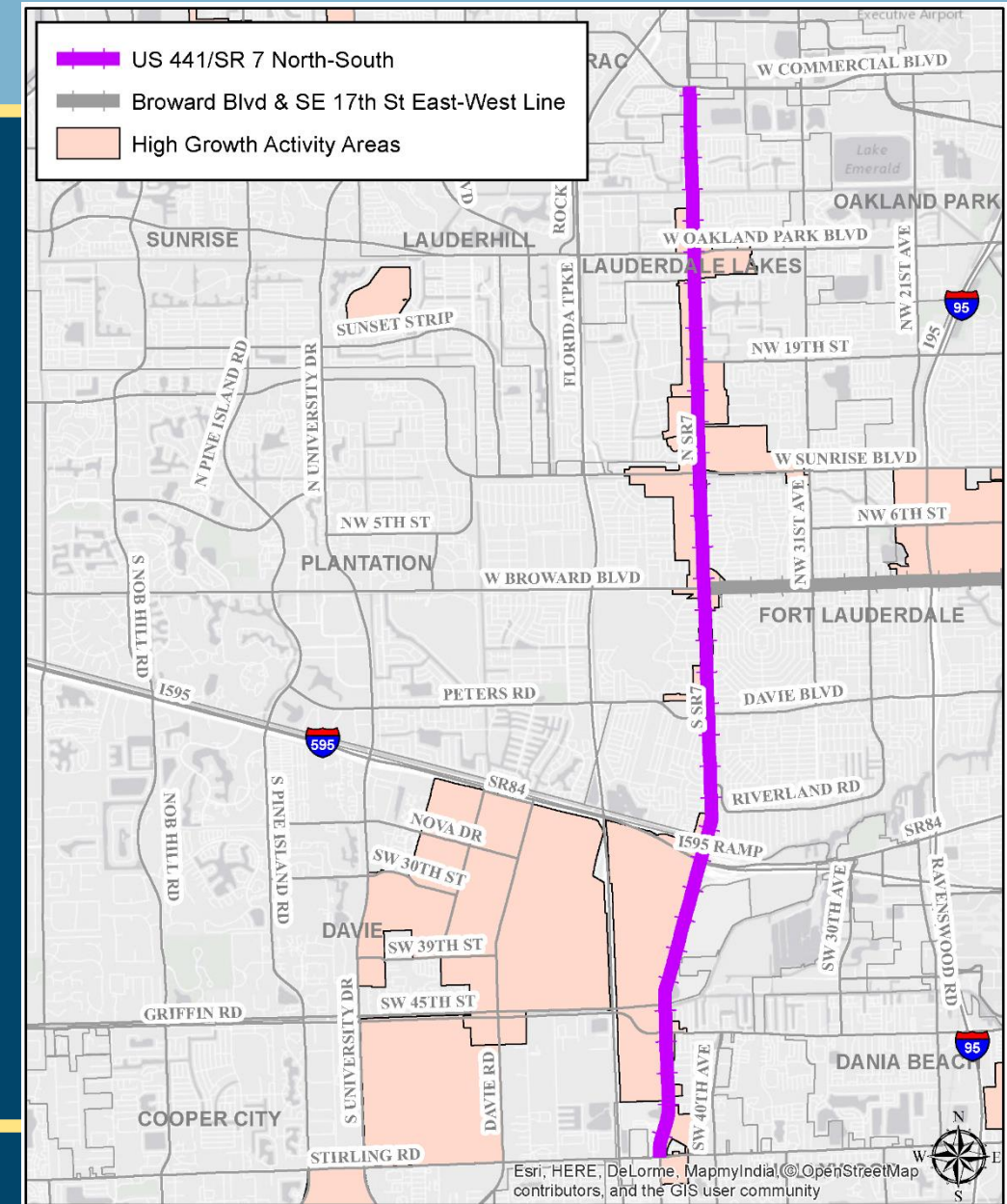
# Broward Blvd. & SE 17<sup>th</sup> St. East-West

- 5 Miles of LRT on 2 Segments:
  - SE 17<sup>th</sup> St. from WAVE to Broward County Convention Center (1.1 Miles)
  - Broward Blvd. – from Broward Central Terminal to US 441/SR 7 (3.9 Miles)
- Connections to Regional Destinations:
  - Downtown Fort Lauderdale
  - Greater Fort Lauderdale/Broward County Convention Center
  - Broward Central Terminal (BCT, Brightline)
  - Tri-Rail/Amtrak Station
  - I-95 Express Park and Ride Lot



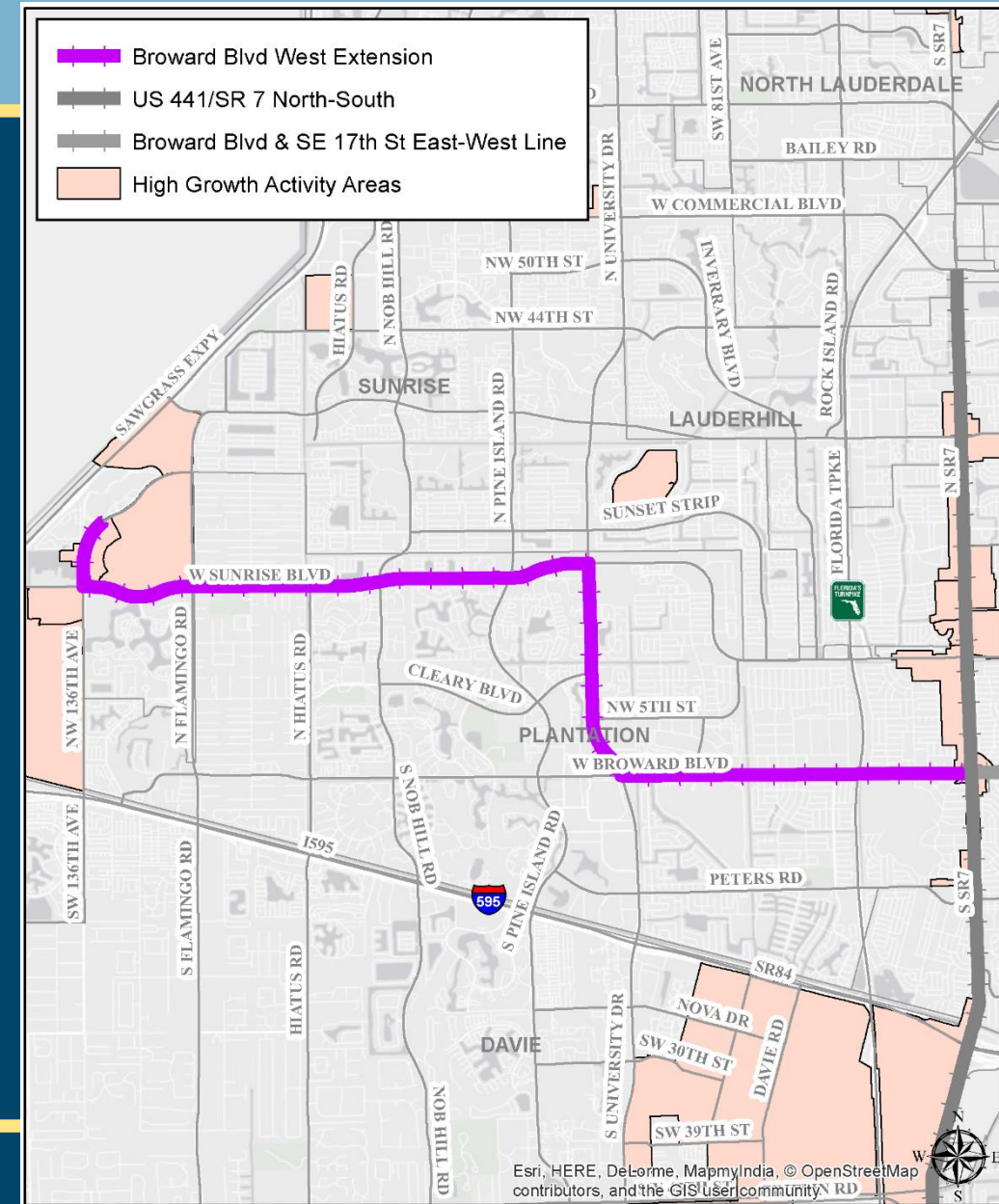
# US 441/SR 7 North-South Line

- 9.7 Miles of LRT on US 441/SR 7:
  - North from Broward Blvd. to Commercial Blvd.
  - South from Broward Blvd. to Stirling Rd.
- Connects to Regional Destinations:
  - Lauderhill Transit Center
  - Oakland Park Blvd. Corridor
  - Sunrise Blvd. Corridor
  - Plantation General Hospital
  - Seminole Hard Rock Hotel and Casino



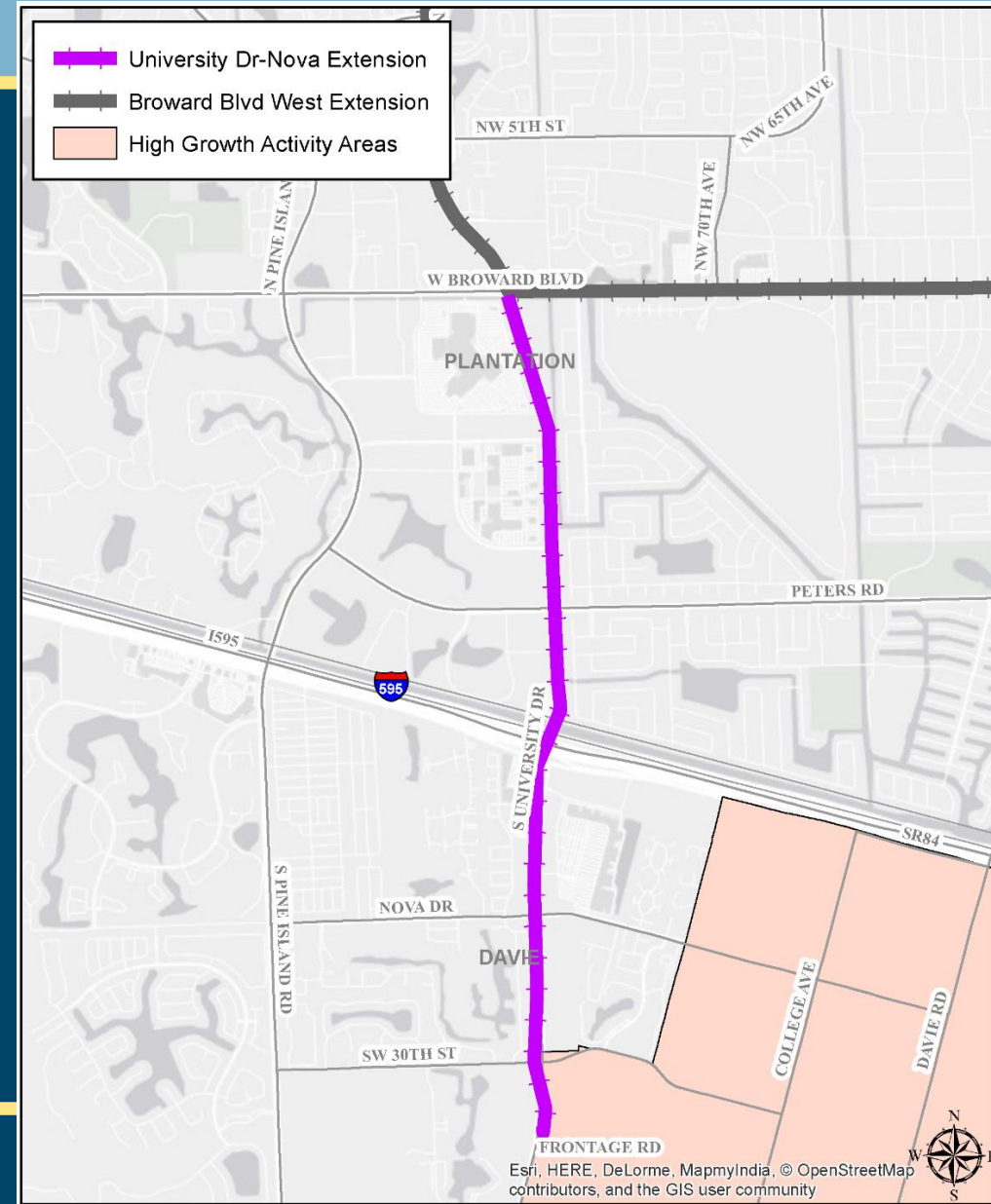
# Broward Blvd. West Extension LRT

- 9.7 Miles of LRT from US 441/SR 7 to Sawgrass Mills Mall:
  - West along Broward Blvd., North on University Dr., West on Sunrise Blvd.
- Connects to Regional Destinations:
  - Westside Regional Medical Center
  - West Regional Courthouse
  - Magic Leap/Corporate Park
  - Sawgrass Mills Mall
  - BB&T Center
  - Sunrise Express Bus Park & Ride Lot



# University Dr.-Nova Extension LRT

- 2.8 Miles of LRT on University Dr.:
  - South on University Dr. from Broward Blvd. to Nova Southeastern University.
- Connects to Regional Destinations:
  - Westfield Mall
  - Tower Shops (Shopping Center)
  - Nova Southeastern University
  - South Florida Education Center (SFEC)

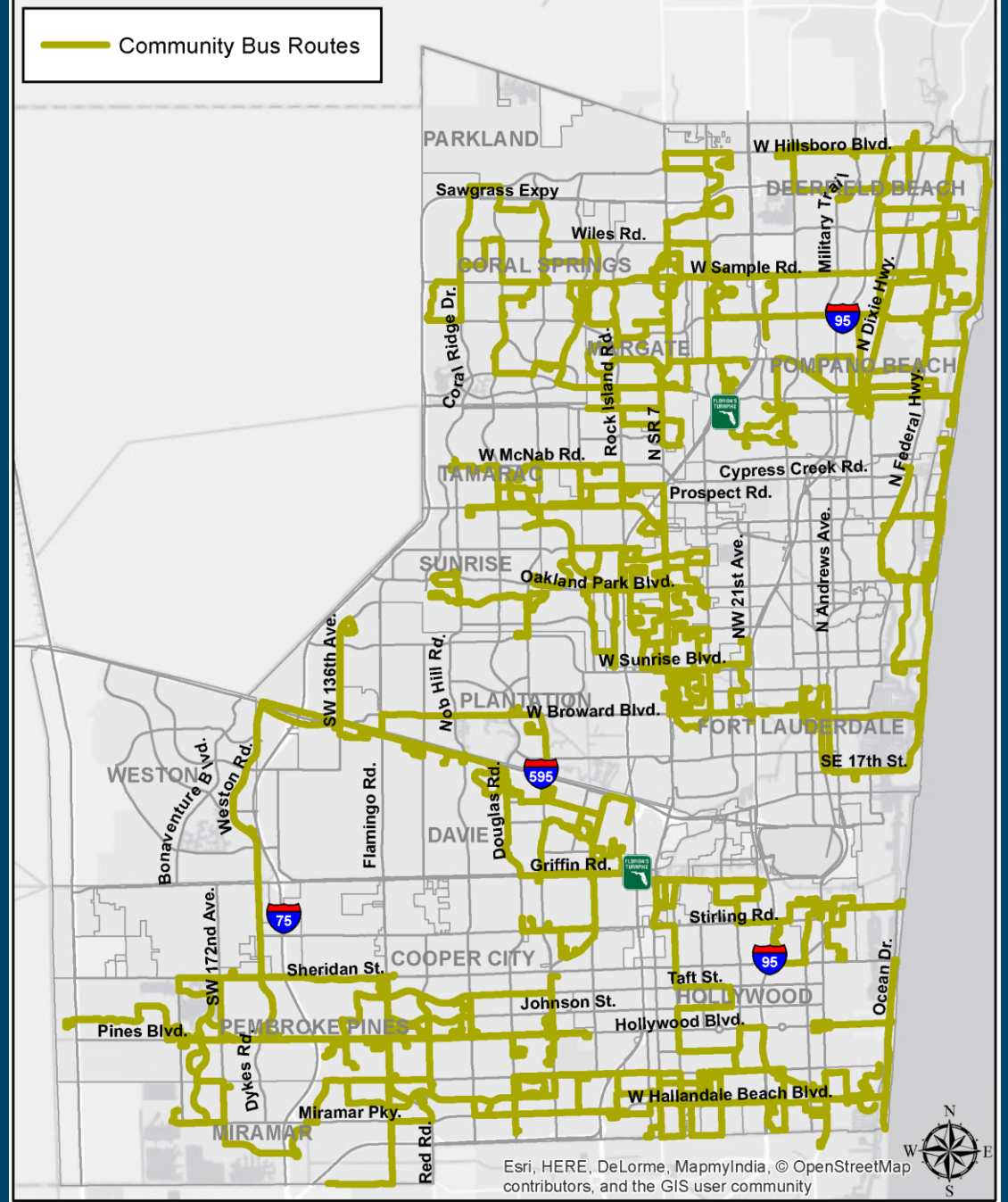


# Develop New Funding Plan for Community Bus Program

- Proposed Plan directly funds a Community Bus Program (CB):
  - Increases BCT community bus annual operating funding from \$2.6M to \$7.5M; Oversight/Governance Body would distribute directly
  - Existing parameters for Community Bus continue
  - Assures neighborhood connectivity; first-mile, last-mile and one-transfer along proposed light rail routes
- Fund Community Bus Capital Costs:
  - Purchase and replacement of community bus vehicles



# Broward County Community Bus Network

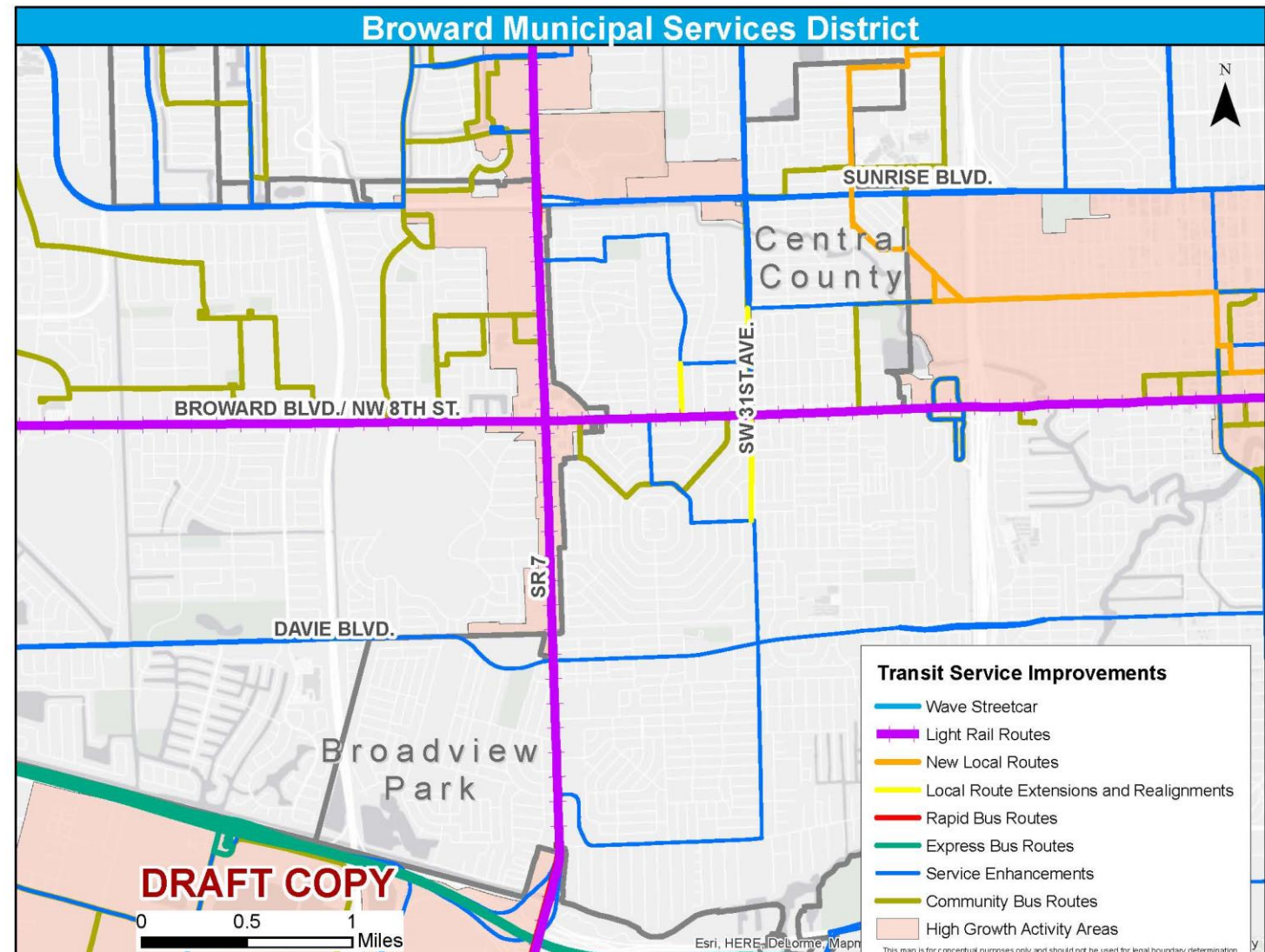


# What Can Each of Broward's 31 Cities Expect?



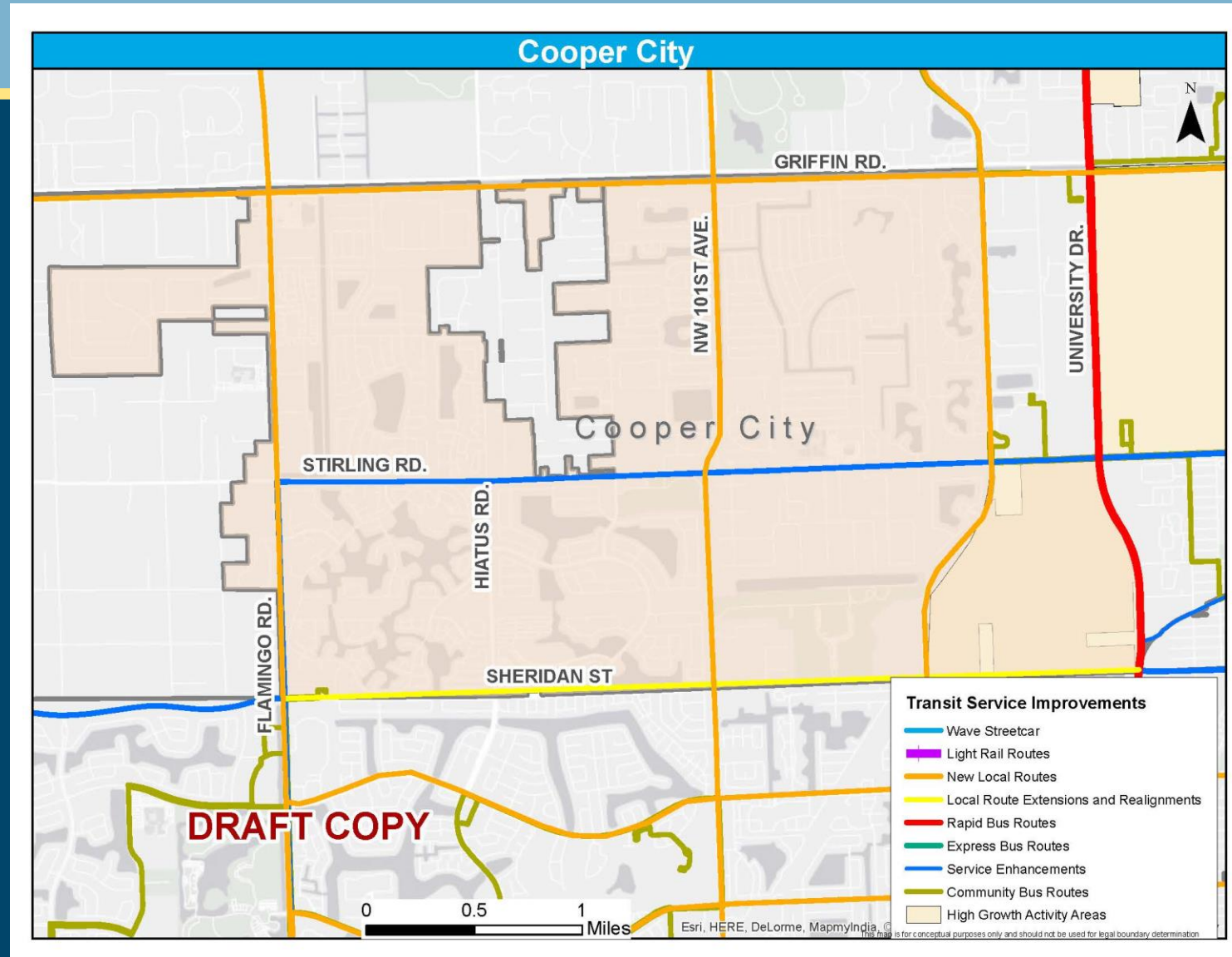
# Broward Municipal Services District

- Installation of new or replacement bus shelters throughout the District (2019-2048)
- Headway/Schedule improvements to existing local bus routes 11, 18, 22, 30, 31, 36, 40 and 81 (select years 2020-2029)
- New Local Route Extension of Rt. 11 north-south along NW 27<sup>th</sup> Ave., up to Rock Island Rd. (2020)
- Rapid Bus/BRT service north-south along SR 7/US 441 (in service 2021)
- LRT service from downtown Ft. Laud. to Convention Ctr./Port Everglades/Airport and along Broward Blvd. to SR 7/US 441 (in service 2023)
- LRT service north-south along SR 7/US 441 from Commercial Blvd. to Stirling Rd. (in service 2027)



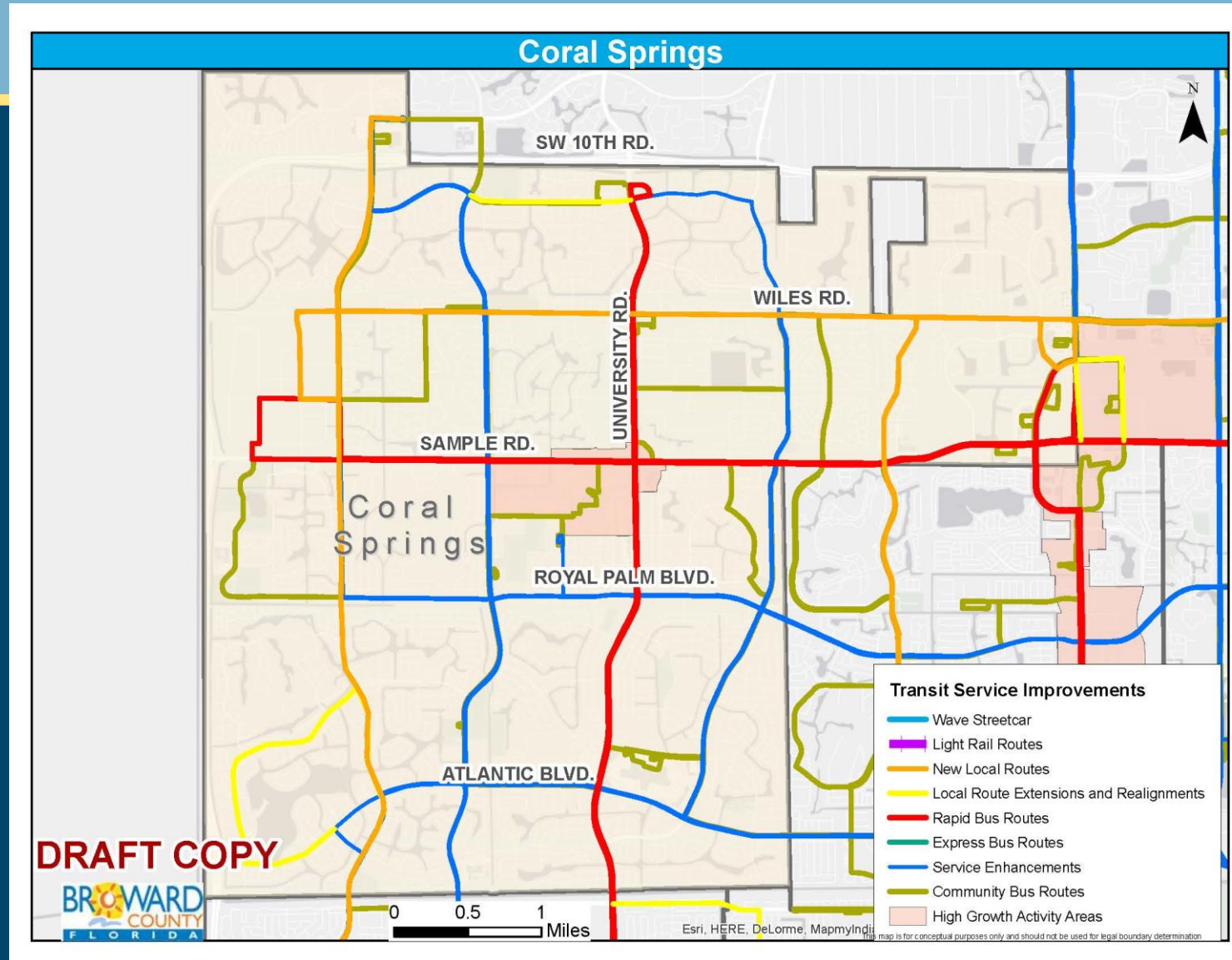
# Cooper City

- Installation of new or replacement bus shelters throughout the City (2019-2048)
- New Local Bus Routes along Nob Hill Rd./Palm Ave. (2021), Pine Island Rd./Douglas Rd. (2024), and Griffin Rd. (2026)
- New Local Route Extension of Rt. 12 along Sheridan St. (2025)
- Headway/Schedule improvements to existing local bus routes 2, 12, and 16 (select years 2019-2025)
- Rapid Bus/BRT service north-south along University Dr. (in service 2033)



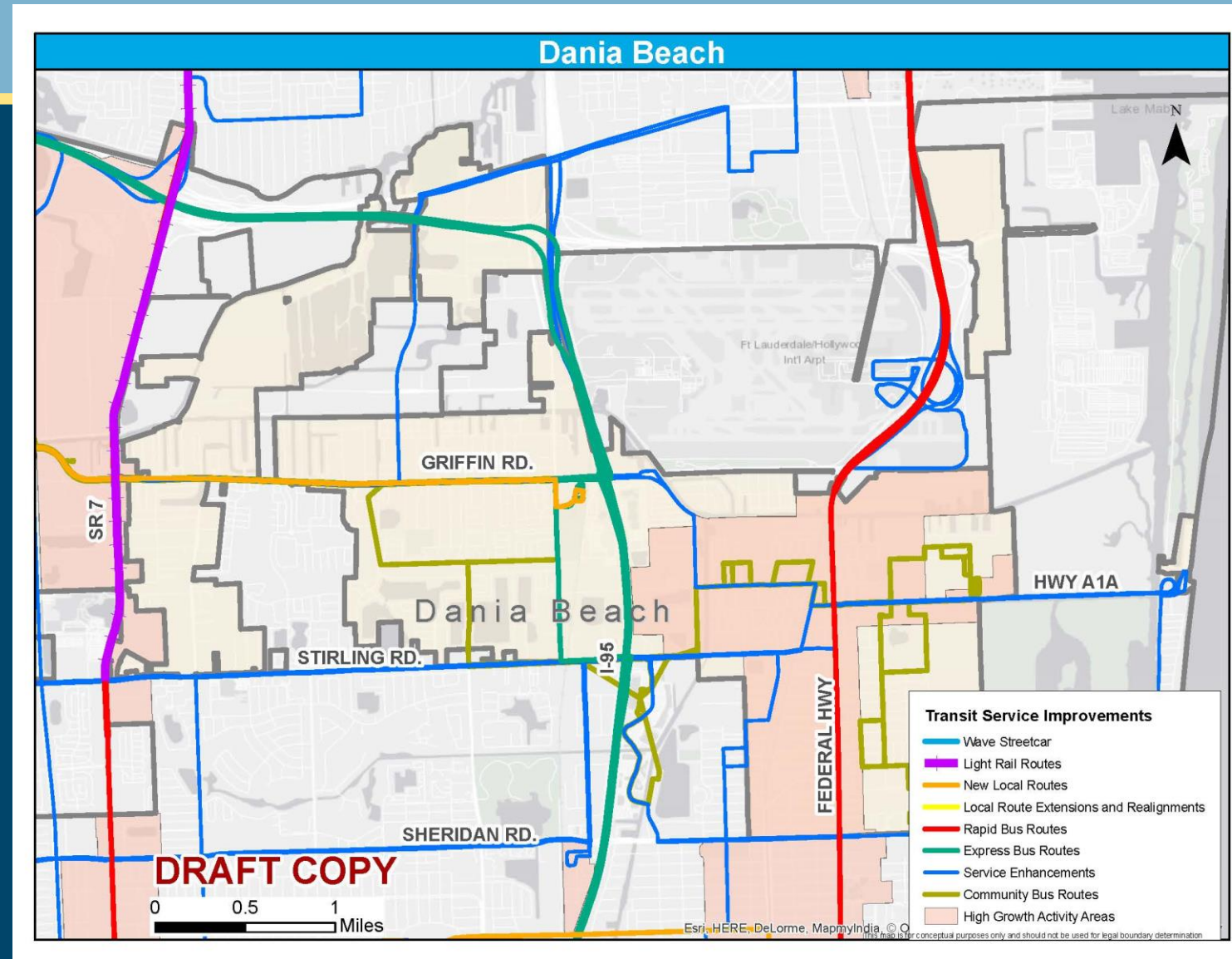
# Coral Springs

- 100% of existing Community Bus program (annually)
- New or replacement bus shelters (2019-2048)
- New Local Bus Routes along Rock Island Rd. (2020), Nob Hill Rd. (2021) and Wiles Rd. (2027)
- New Local Route Extension of Rt. 48 from Hillsboro Blvd. to Seminole Coconut Creek Casino/area (2019)
- New Local Route Extension of Rt. 42 to Lakeview Dr. and Coral Ridge Dr. (2020)
- New Local Route Extension of Rt. 62 both directions along Westview Dr. (2022)
- Headway/Schedule improvements to existing local bus routes 2, 19, 42, 62, 83 and 88 (2019-2028)
- Rapid service along US 441 (2021)
- Rapid service along University Dr. (2033)
- Rapid service east-west along Sample Rd. (2036)



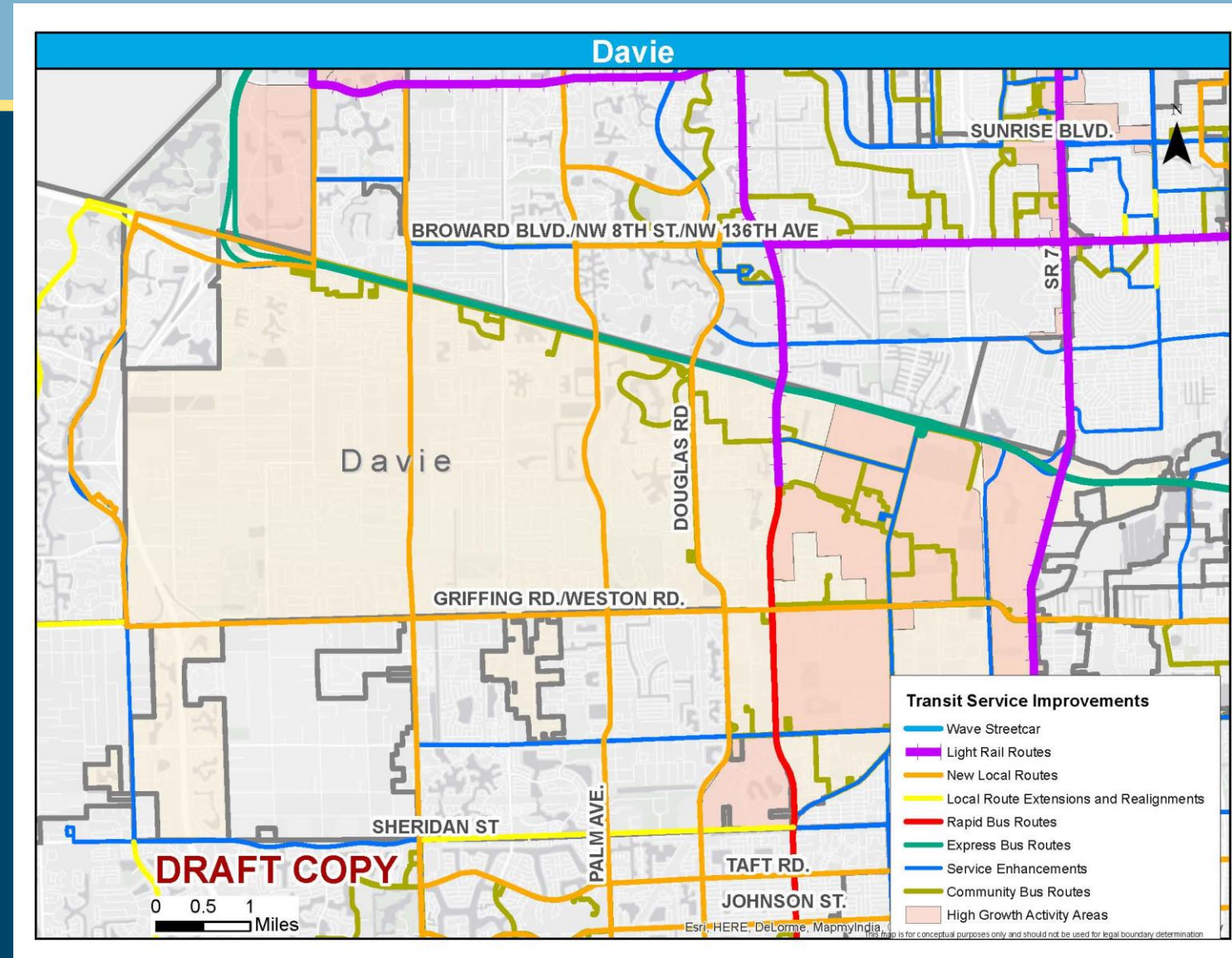
# Dania Beach

- 100% funding of existing City of Dania Beach Community Bus service (annually)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- New Local Bus Route along Griffin Rd. (2026)
- Headway/Schedule improvements to existing local bus routes 1, 4, 6, 12, 15, and 16 (select years 2020-2028)
- Rapid Bus/BRT service north-south along SR 7/US 441 (in service 2021)
- Rapid Bus/BRT service north-south along US 1 (in service 2027)



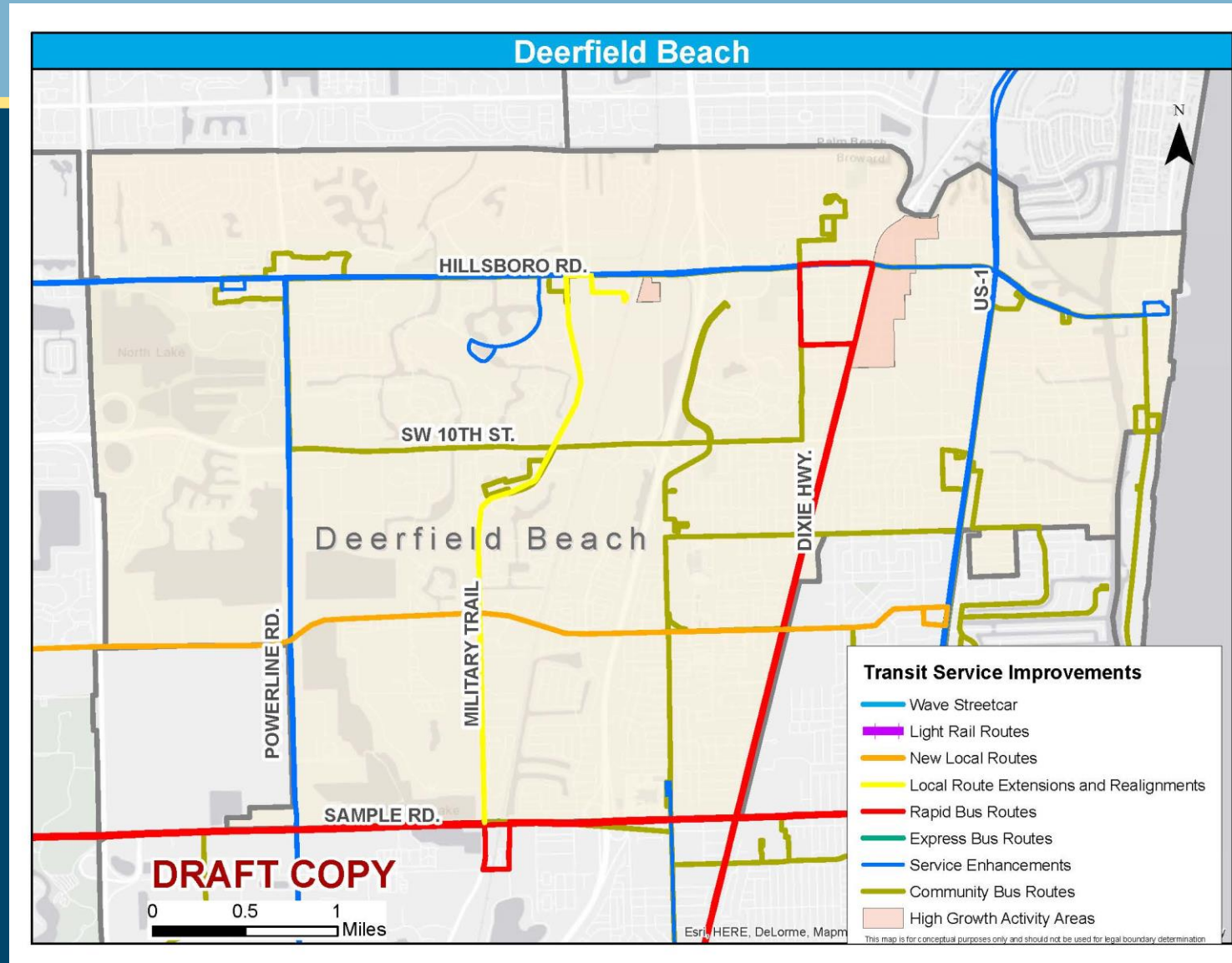
# Davie

- 100% funding of existing Town of Davie Community Bus program (annually)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- New Local Bus Routes along Nob Hill Rd. (2021), Flamingo Rd. (2023), Pine Island Rd./Douglas Rd. (2024), and Griffin Rd. (2026)
- Headway/Schedule improvements to existing local bus routes 2, 9, 12, 15, 16, 18, and 23 (select years 2019-2028)
- Rapid Bus service along US 441 (2021)
- Rapid Bus service along University Dr. (2033)
- LRT service north-south along University Dr. from Broward Blvd. to NOVA Southeastern University (in service 2035)



# Deerfield Beach

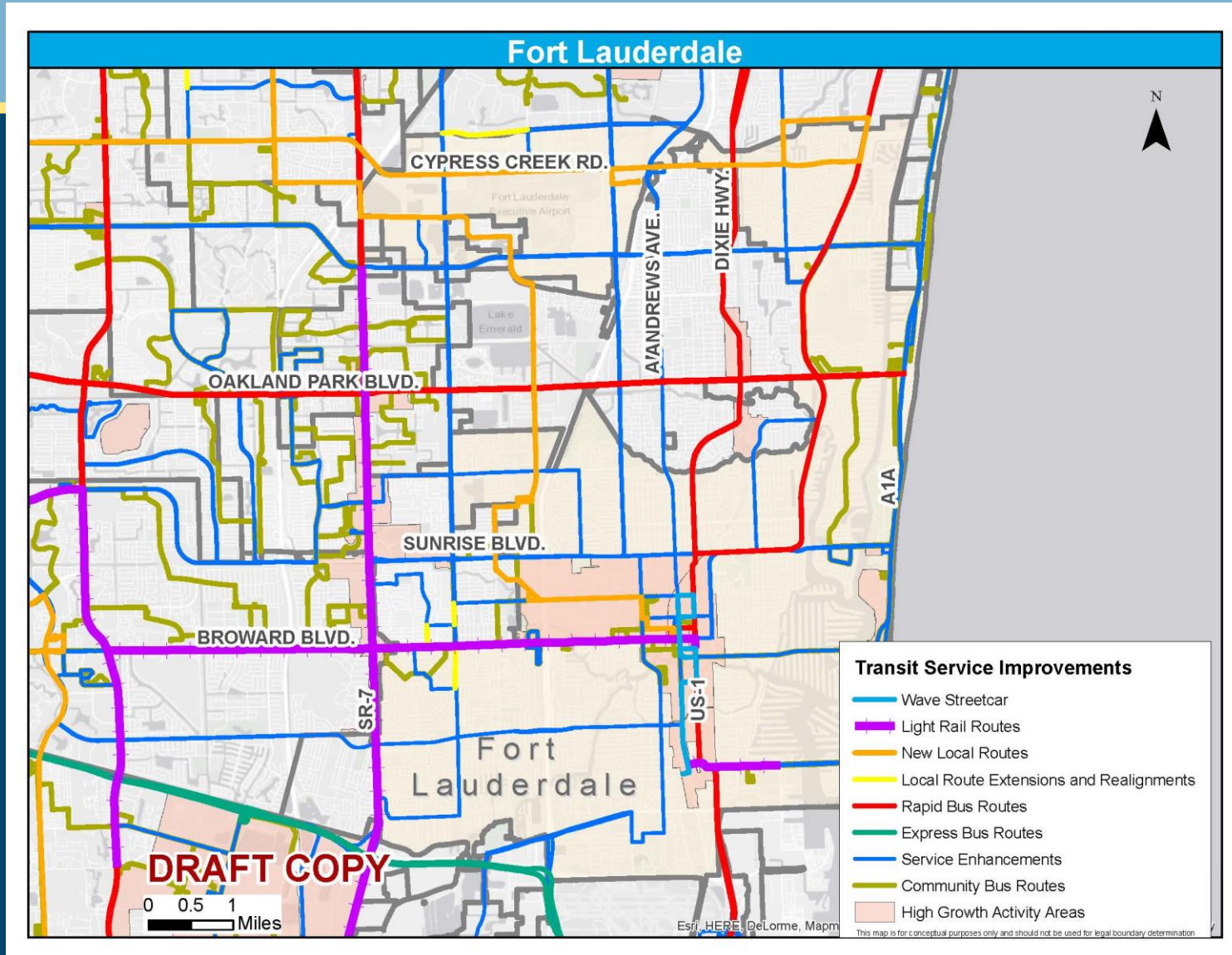
- 100% funding of existing City of Deerfield Beach Community Bus Program (annually)
- Installation of new or replacement bus shelters throughout the City. (2019-2048)
- New Local Route Extension of Rt. 48 from Hillsboro Blvd. to Seminole Coconut Creek Casino/area. (2019)
- New Local Route Extension of Rt. 20 to Hillsboro Blvd. along Military Trail. (2023)
- New Local Bus Route east-west along Wiles Rd. from A1A to Coral Springs Dr. (2027)
- Headway/Schedule improvements to existing local bus routes 10, 14, 20, 34, 48, and 50 (select years 2023-2026)
- Rapid Bus/BRT service north-south along US 1 from Sample Rd. to Downtown Ft. Laud. (in service 2027)
- Rapid Bus/BRT service east-west along Sample Rd. (in service 2036)
- Rapid Bus/BRT service north-south along Dixie Highway (in service 2039)





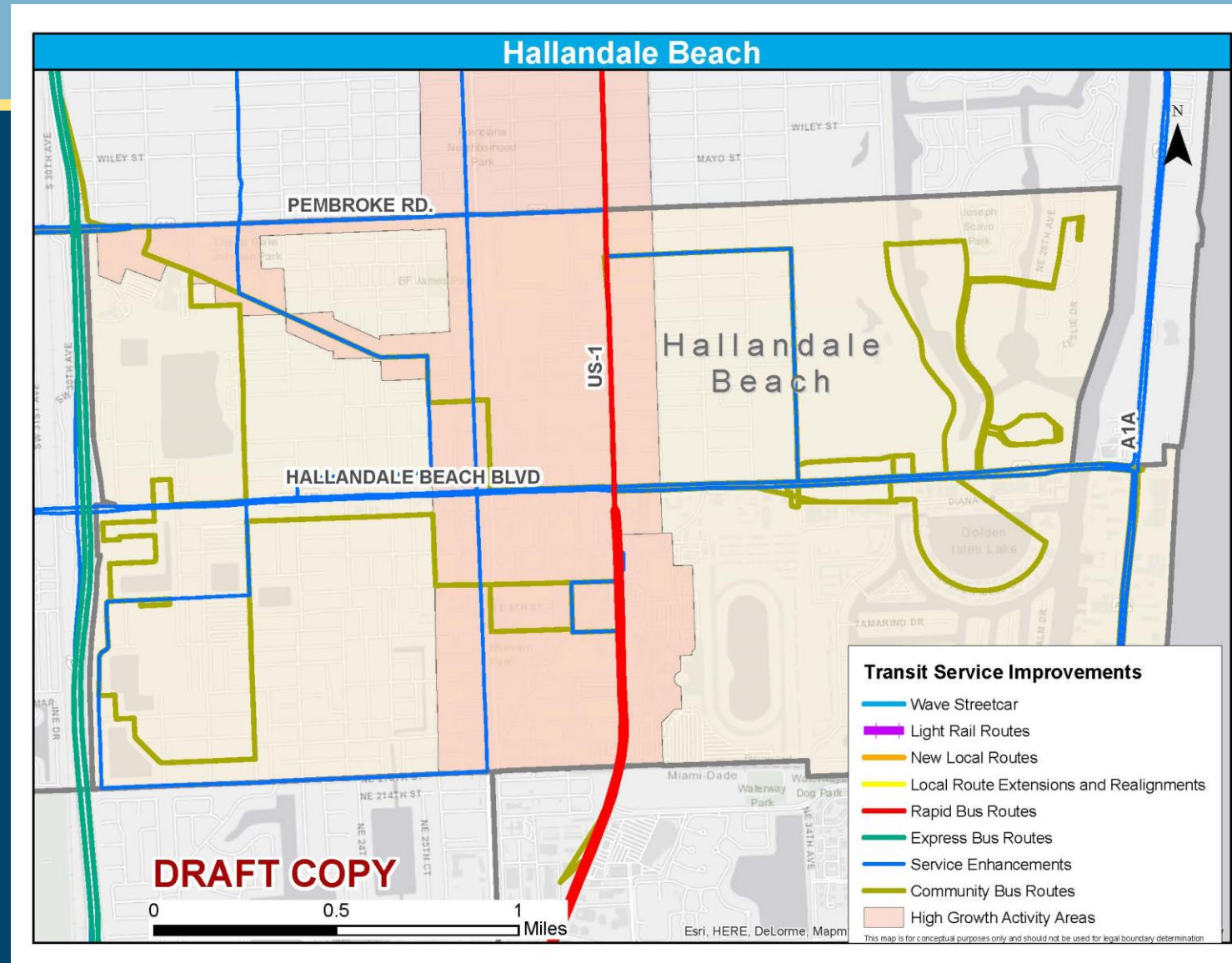
# Fort Lauderdale

- 100% funding for capital and operating of Community Bus Program (annually)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Enhancement of BCT's Downtown Intermodal Terminal (by 2023)
- New Local Bus Route along McNab Rd./Cypress Creek Rd. (2022) and Griffin Rd. (2026)
- New Local Route Extension of Rt. 11 north-south along Rock Island Rd. to Wiles Rd. (2020)
- Headway/Schedule improvements to existing local bus routes (2019-2029)
- Rapid Bus service along US 441 (2021)
- Rapid Bus service along US 1 (south of downtown to Aventura, north of downtown to Sample Rd.) (2027)
- Rapid Bus service along Oakland Park Blvd. (2024)
- Rapid Bus service along Dixie Highway (2039)
- LRT service from downtown Ft. Laud. to Convention Ctr./Port Everglades/Airport and along Broward Blvd. to US 441 (in service 2023-2025)
- LRT service north-south along US 441 from Commercial Blvd. to Stirling Rd. (in service 2027)
- LRT service from US 441, along Broward & Sunrise Blvd. to Sawgrass Mills Mall (in service 2031)



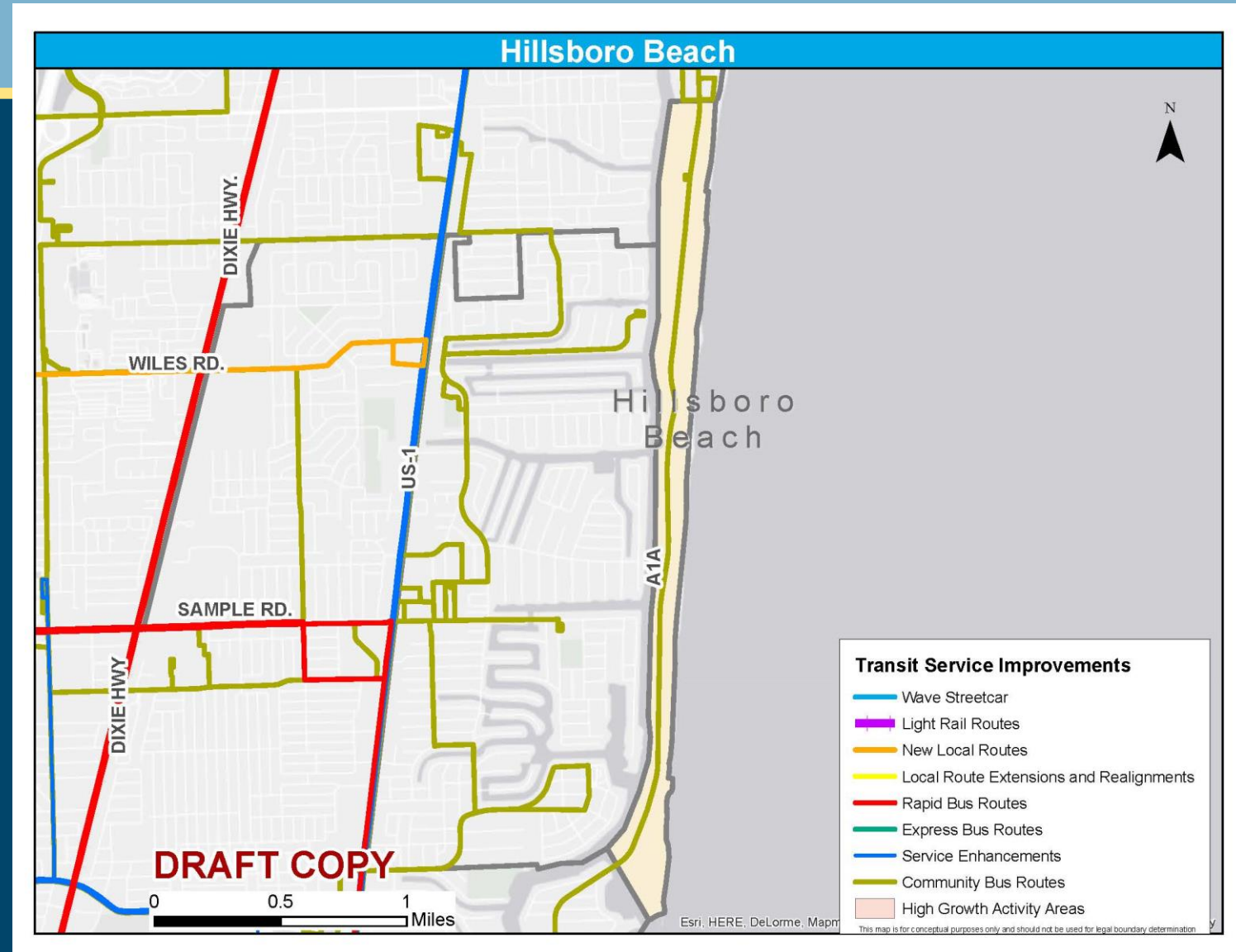
# Hallandale Beach

- Funding for 100% of existing City of Hallandale Beach Community Bus service Operating & Maintenance costs and 100% funding for all Community Bus replacement mini-bus vehicles (annual starting in 2019)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus routes 1, 5, 6, and 28 (select years 2020-2029)
- Rapid Bus/BRT service north-south along US 1 (in service 2027)



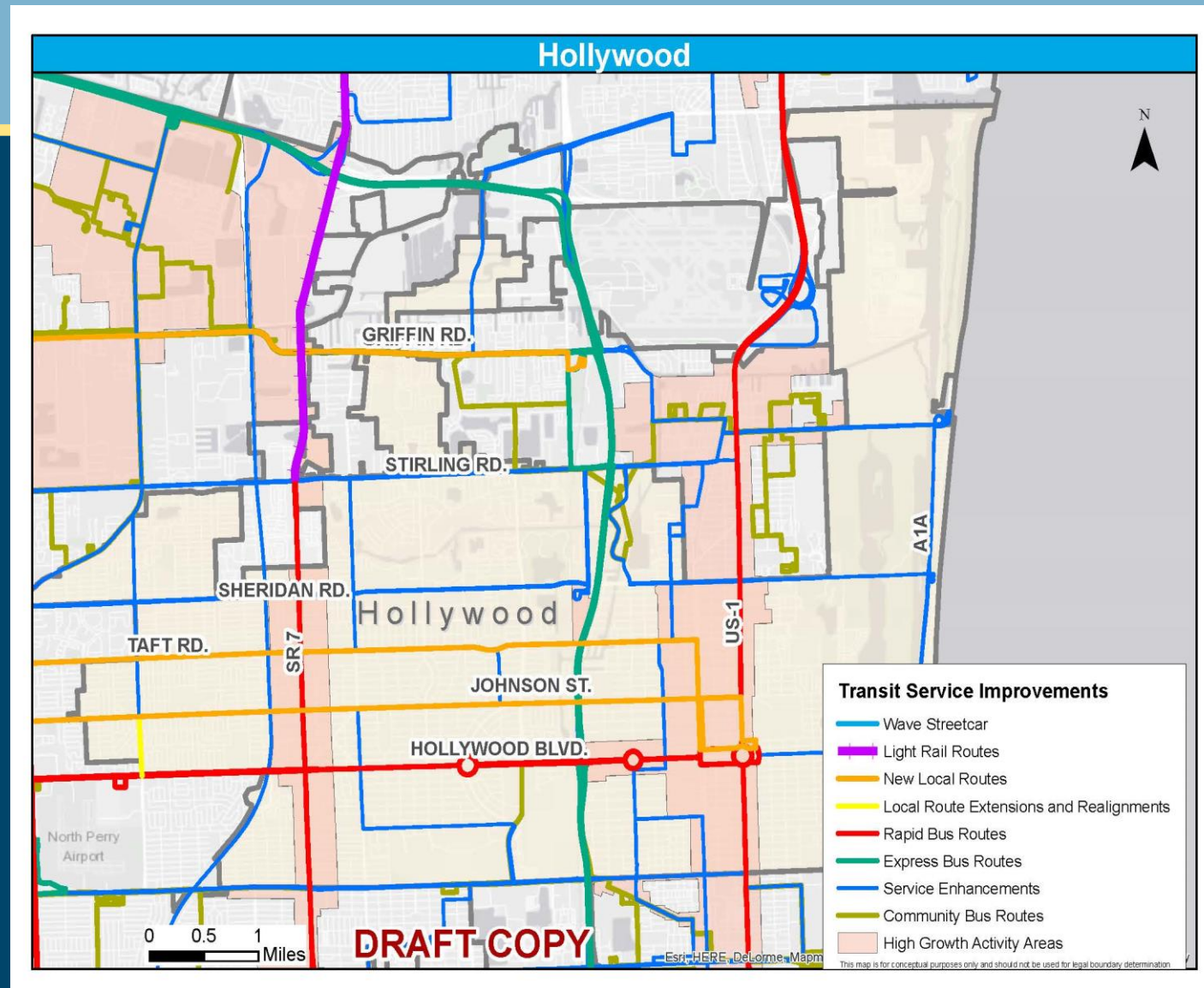
# Hillsboro Beach

- Funding for 100% of existing Town of Hillsboro Beach Community Bus service Operating & Maintenance costs and 100% funding for all Community Bus replacement mini-bus vehicles (annual starting in 2019)
- Installation of new or replacement bus shelters throughout the City (2019-2048)



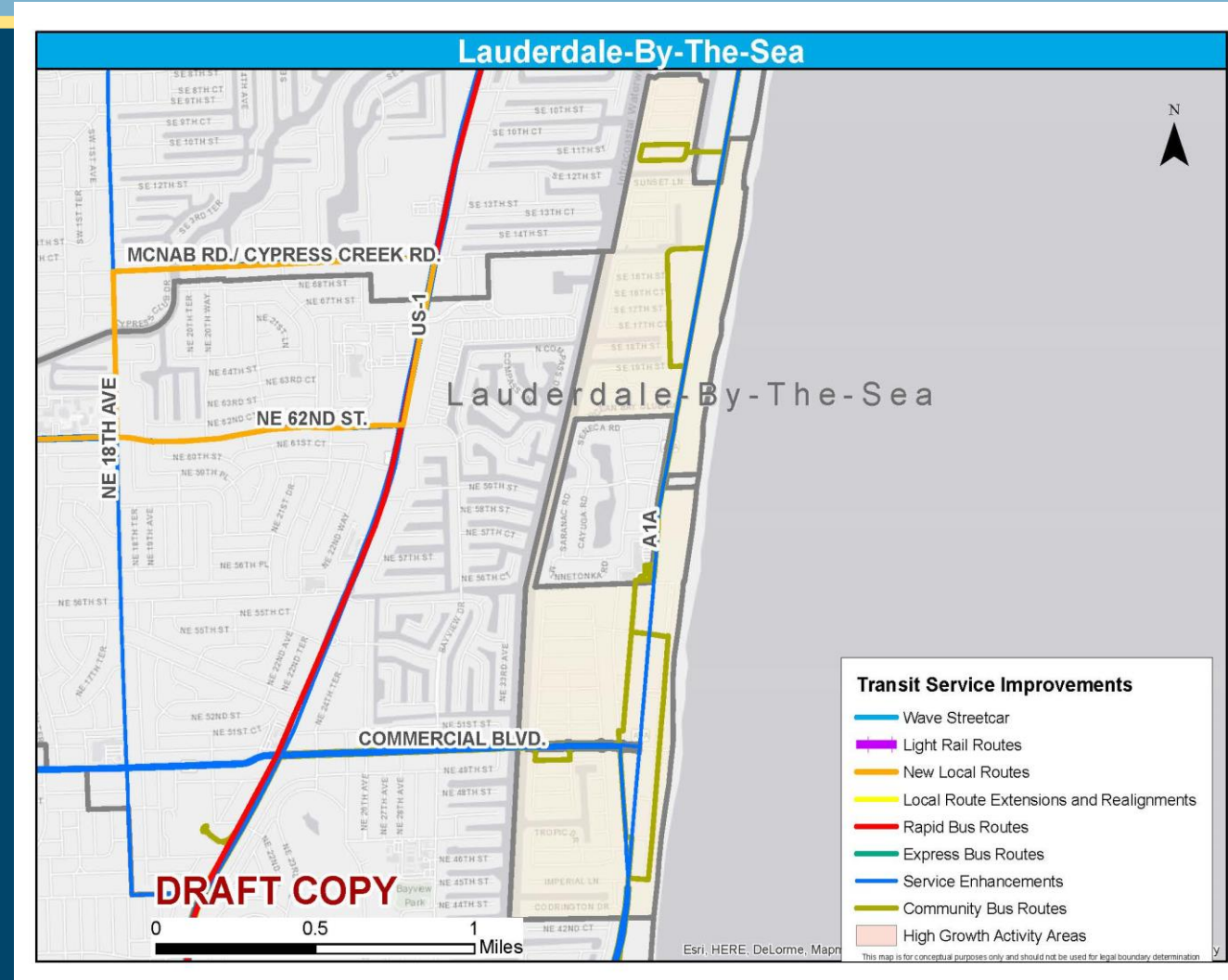
# Hollywood

- 100% funding of Community Bus Program (annually)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- New Local Bus Routes along Taft St. (2019), Johnson St. (2025), and Griffin Rd. (2026)
- New Local Route Extension of Rt. 9 to Broward College (South Campus) (2025)
- New Local Route Extension of Rt. 12 across Sheridan St. to Broward College Academic Village (2025)
- Headway/Schedule improvements to existing local bus routes (select years 2019-2028)
- Rapid Bus service along SR 7/US 441 (2021)
- Rapid Bus service along US 1 (2027)
- Rapid Bus service along Pines/Hollywood Blvd. (2030)
- LRT service north-south along SR 7/US 441 from Stirling Rd. to Commercial Blvd. (2027)



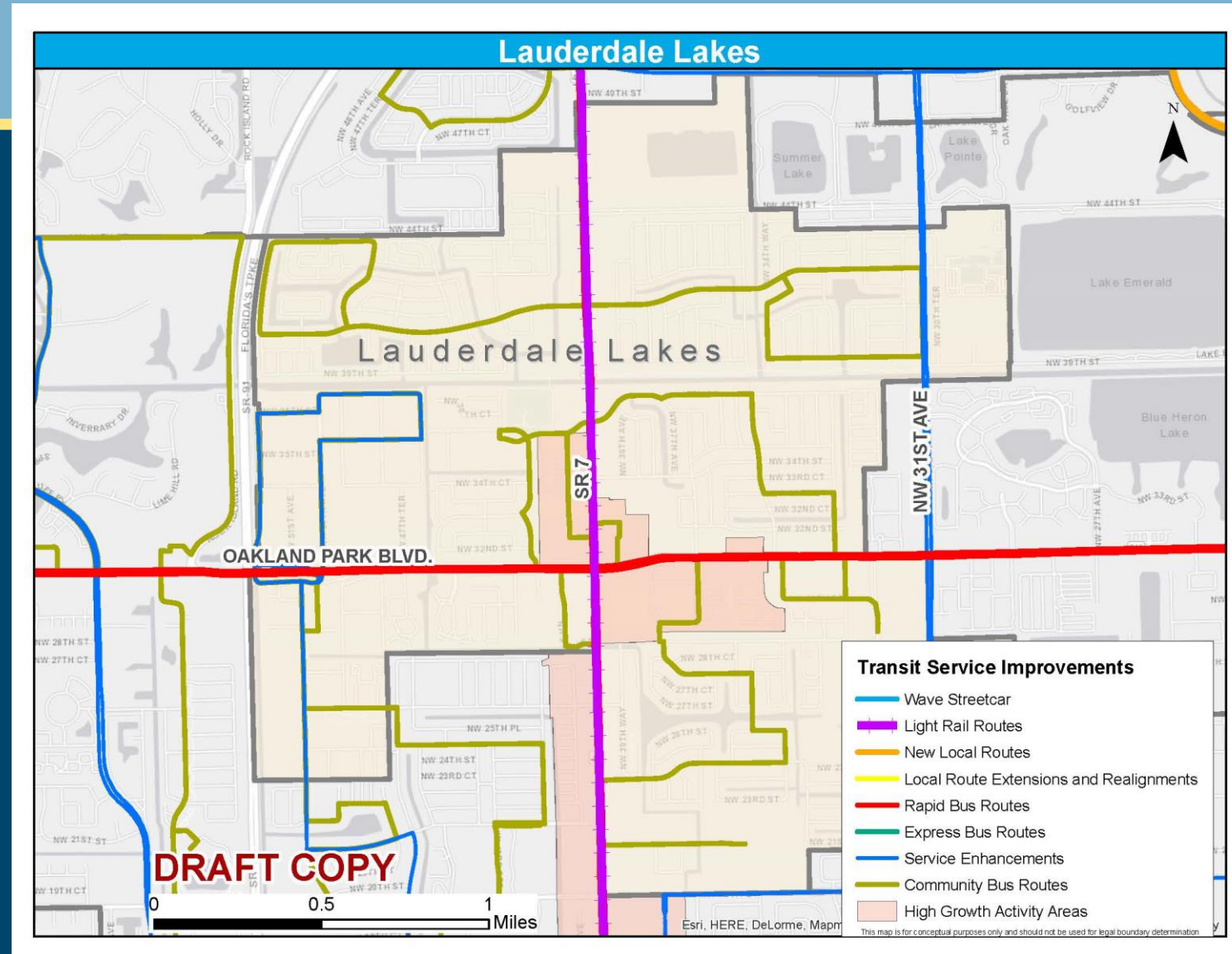
# Lauderdale-By-The-Sea

- Funding for 100% of existing Lauderdale-By-The-Sea Community Bus service Operating & Maintenance costs and 100% funding for all Community Bus replacement mini-bus vehicles (annual starting in 2019)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus Route 11 (2020) and Route 55 (2022)



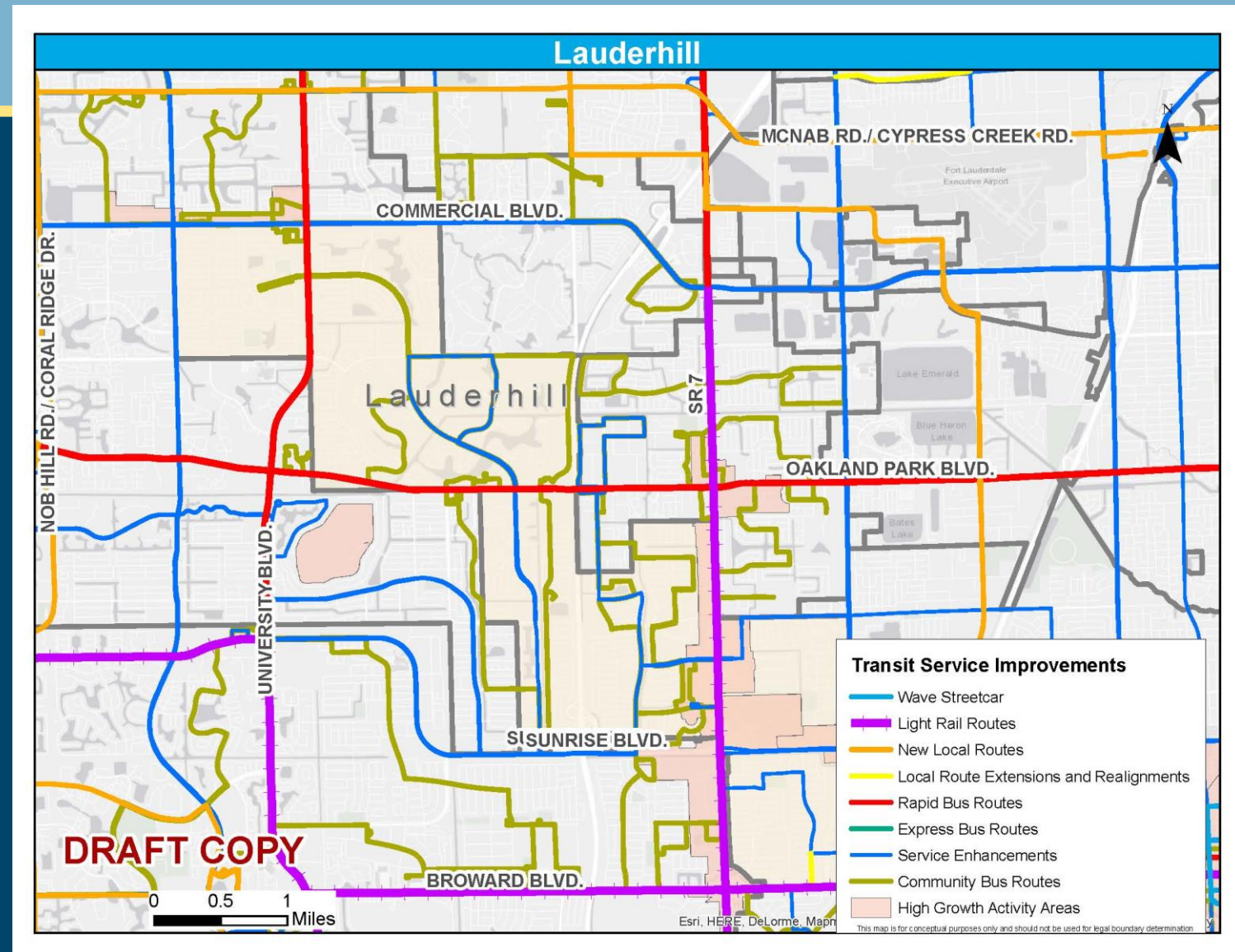
# Lauderdale Lakes

- Funding for 100% of existing Community Bus service Operating & Maintenance costs and 100% funding for all Community Bus replacement mini-bus vehicles (annual starting in 2019)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus routes 19, 31, 40, 55, 72, and 81 (select years 2019-2029)
- Rapid Bus/BRT service north-south along SR 7/US 441 (in service 2021)
- Rapid Bus/BRT service east-west along Oakland Park Blvd. (in service 2024)
- LRT service north-south along SR 7/US 441 from Stirling Rd. to Commercial Blvd. (in service 2027)



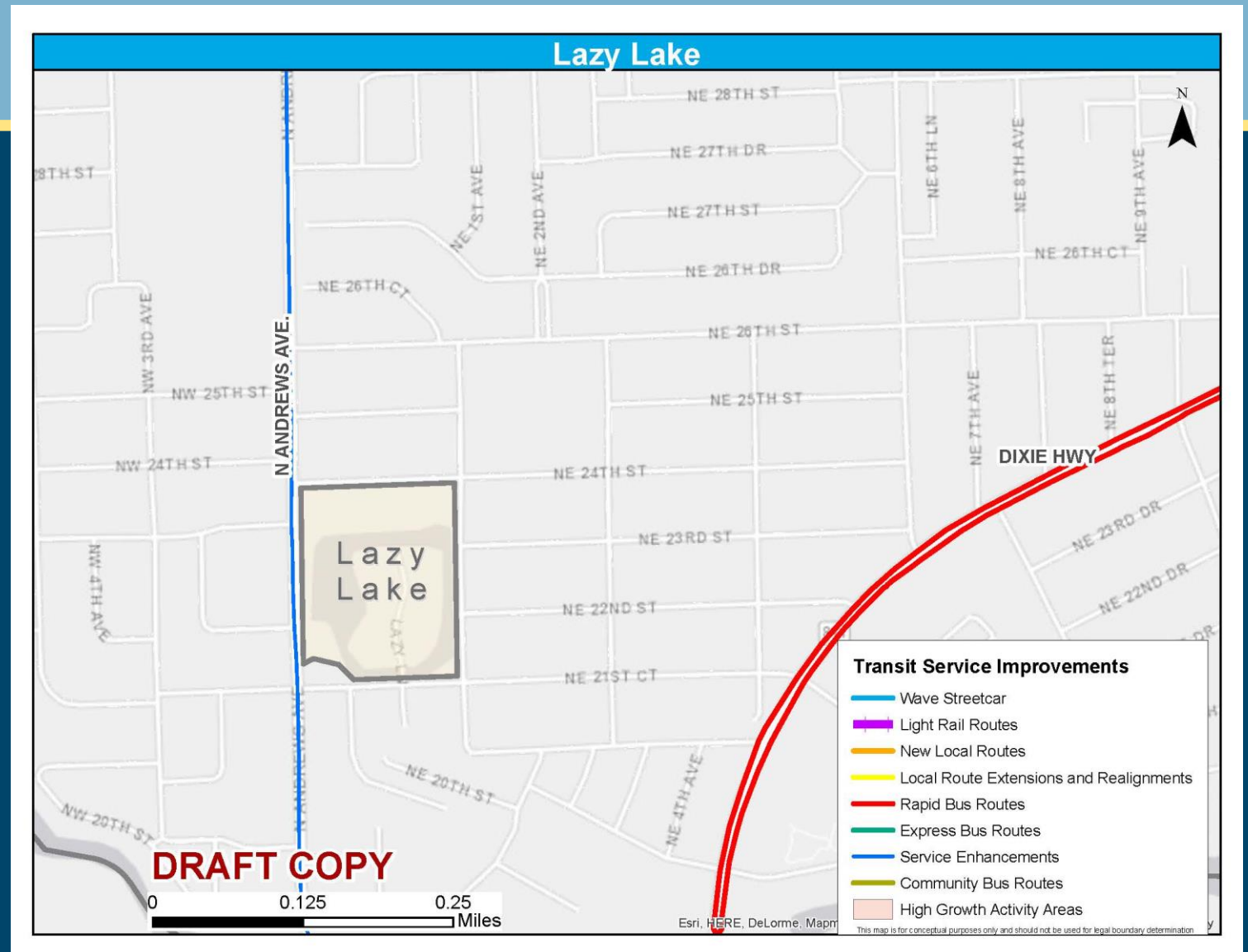
# Lauderhill

- 100% funding of existing City of Lauderhill Community Bus service Operating & Maintenance costs and 100% funding for all Community Bus replacement mini-bus vehicles (annual starting in 2019)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus routes 2, 18, 19, 31, 36, 40, 55, 56, 72, 81, and 88 (select years 2019-2029)
- Rapid Bus/BRT service north-south along SR 7/US 441 (in service 2021)
- Rapid Bus/BRT service east-west along Oakland Park Blvd. (in service 2024)
- Rapid Bus/BRT service north-south along University Dr. (in service 2033)
- LRT service north-south along SR 7/US 441 from Stirling Rd. to Commercial Blvd. (in service 2027)
- LRT service east-west from SR 7/US 441, along Broward & Sunrise Blvd. to Sawgrass Mills Mall (in service 2031)



# Lazy Lake

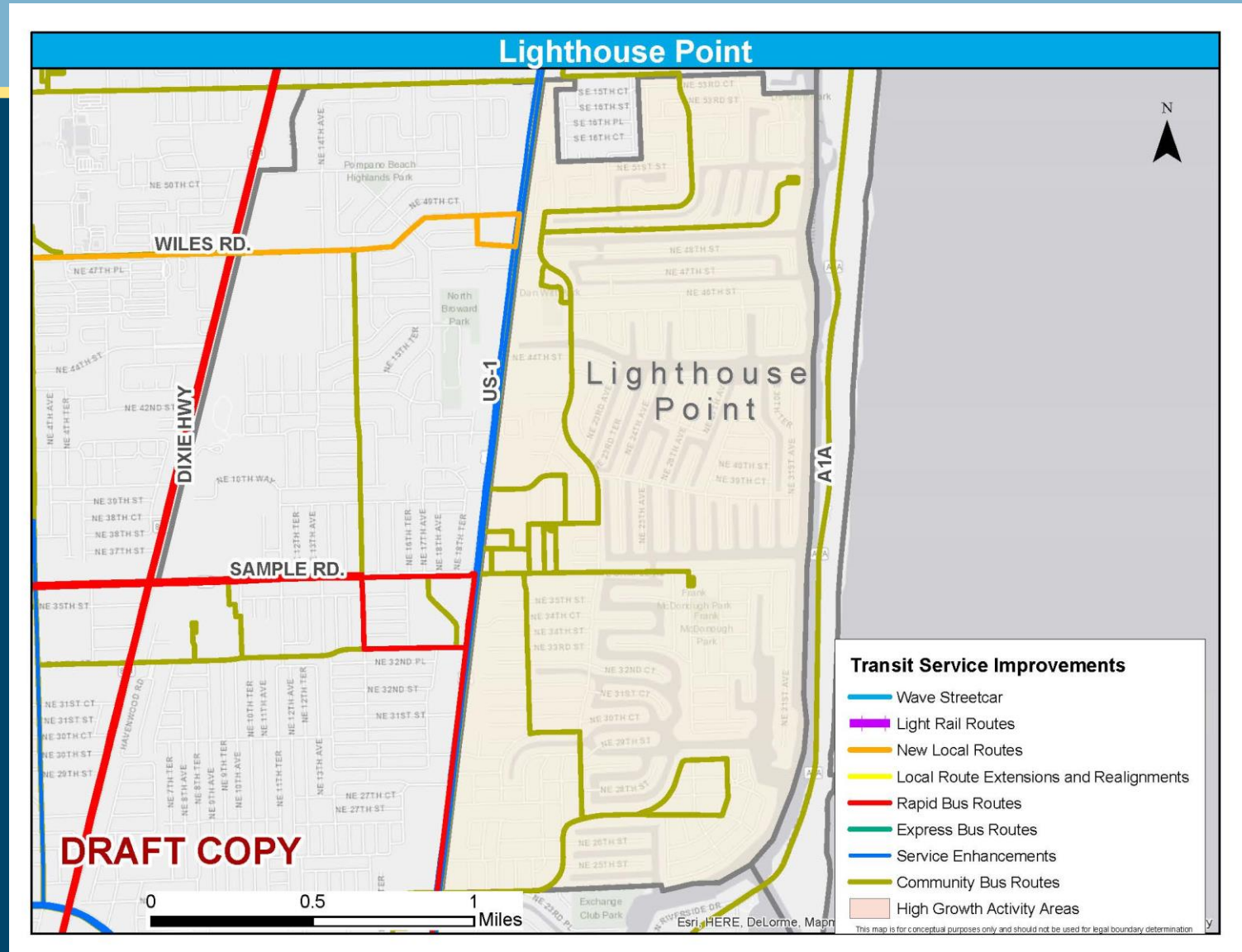
Headway/Schedule improvements to existing local bus route 60 along Andrews Ave. (2024)





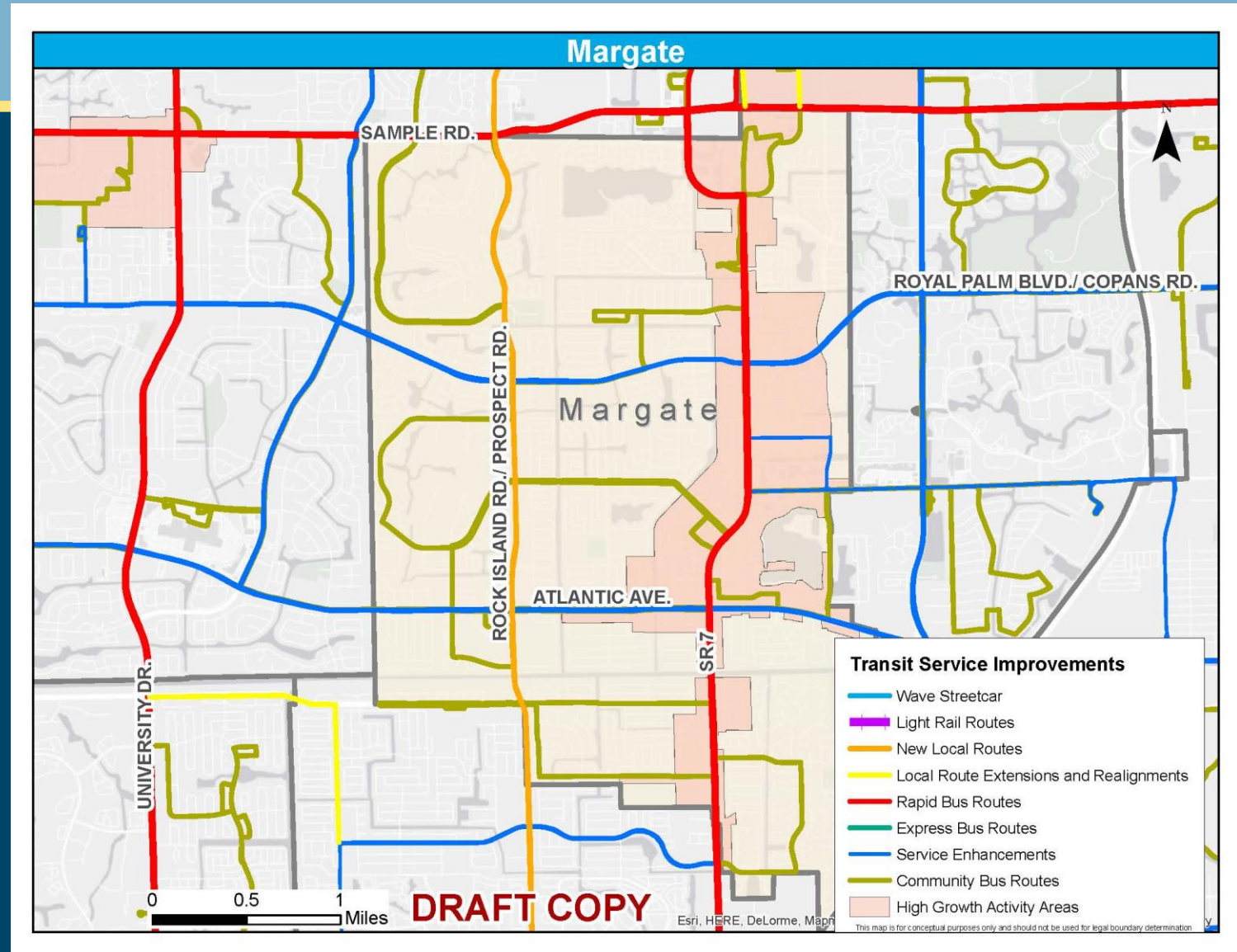
# Lighthouse Point

- Funding for 100% of existing Lighthouse Point Community Bus service Operating & Maintenance costs and 100% funding for all Community Bus replacement mini-bus vehicles (annual starting in 2019)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus Route 10 (2023) and Route 34 (2026)
- New Local Bus Route along Wiles Rd. (2027)
- Rapid Bus/BRT service north-south along US 1 (in service 2027)
- Rapid Bus/BRT service east-west along Sample Rd. (in service 2034)



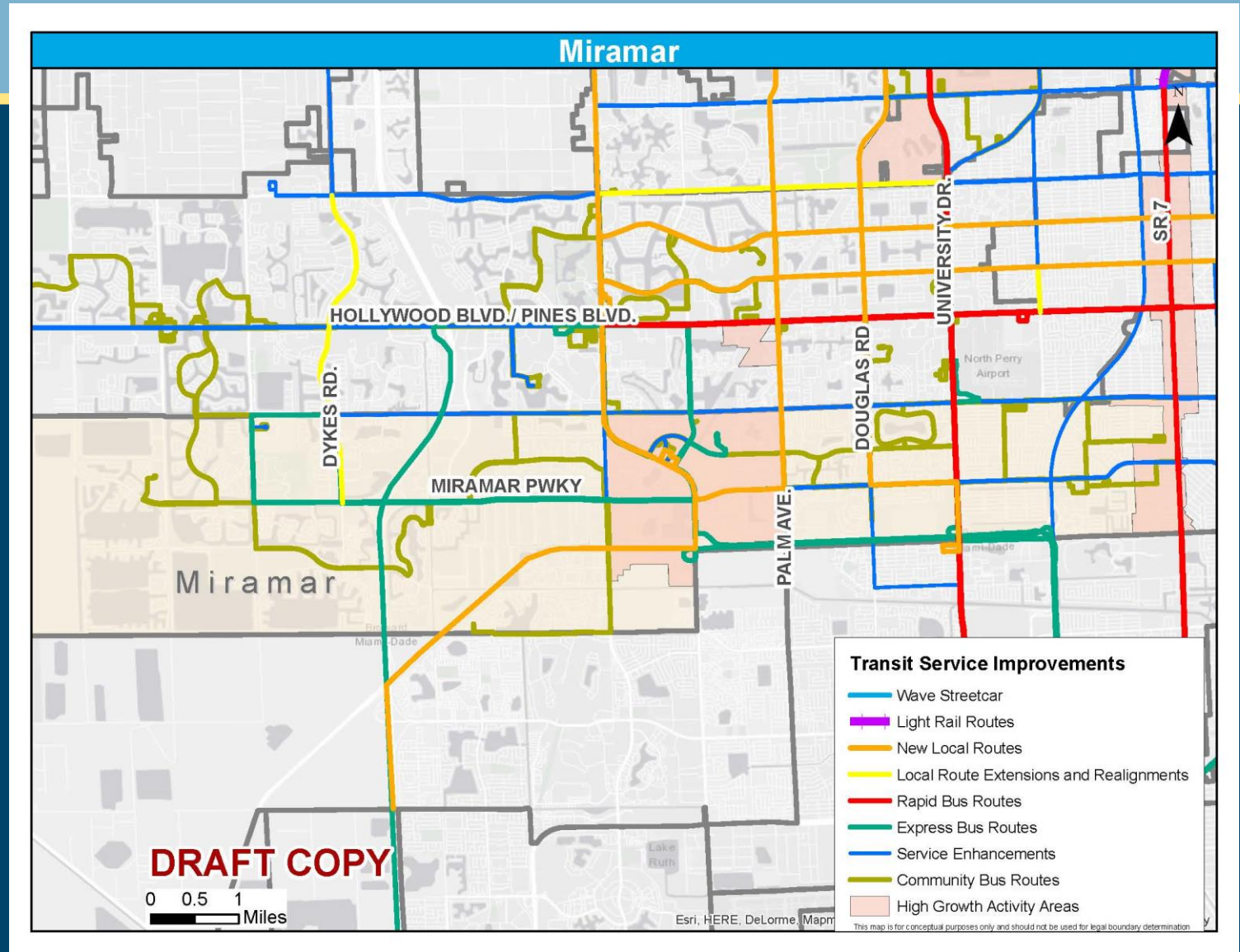
# Margate

- 100% funding of existing City of Margate Community Bus Program (annually)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- New Local Route Extension of Rt. 48 from Hillsboro Blvd. to Seminole Coconut Creek Casino/area (2019)
- New Local Bus Route along Rock Island Rd. (2020)
- Headway/Schedule improvements to existing local bus routes 19, 34, 42, 60, and 83 (select years 2019-2028)
- Rapid Bus service along SR 7/US 441 (2021)
- Rapid Bus service east-west along Sample Rd. (2036)



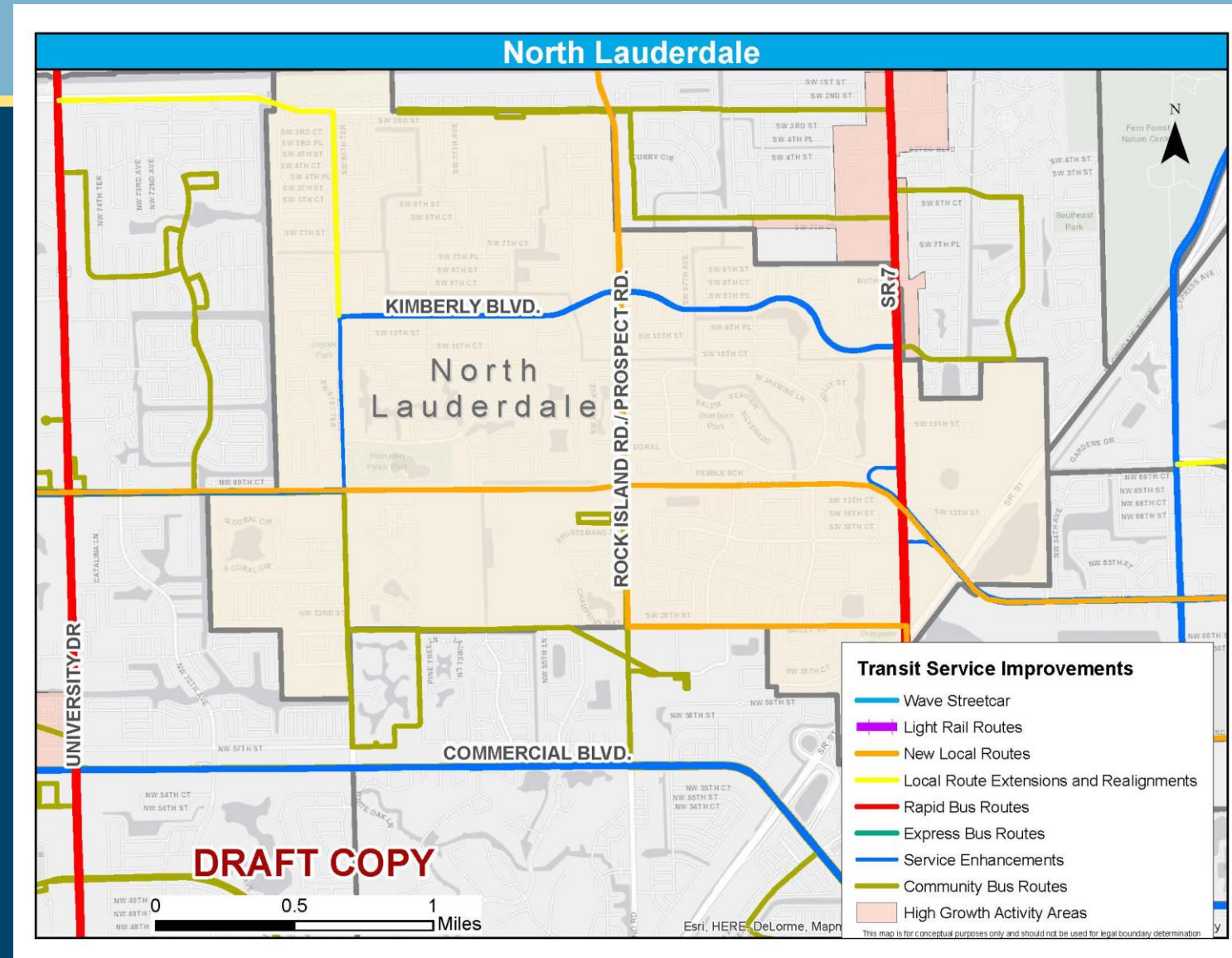
# Miramar

- 100% funding of existing City of Miramar Community Bus Program (annually)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- New Local Route Extension of Rt. 23 along Dykes Rd. (2021)
- New Local Bus Routes north-south along Flamingo Rd. (2023), Douglas Rd. (2024), and Palm Ave. (2028)
- Headway/Schedule improvements to existing local bus routes 2, 5, 18, and 28 (select years 2019-2029)
- Rapid Bus service north-south along SR 7/US 441. (2021)
- Rapid Bus service north-south along University Dr. (2033)



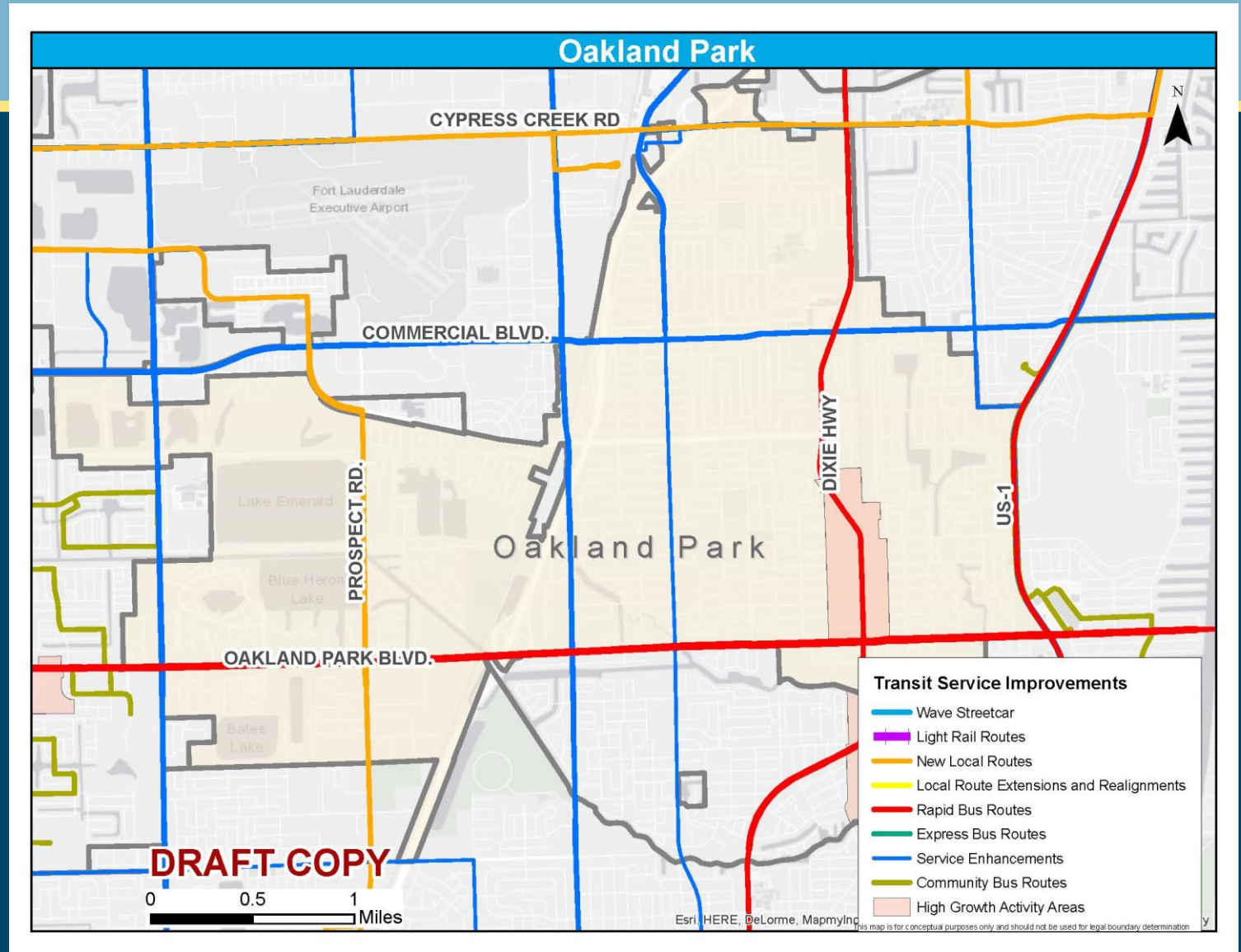
# North Lauderdale

- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus Route 19 (2019), 55 (2022), and 62 (2022)
- New Local Bus Routes along Rock Island Rd. (2020) and McNab Rd. (2022)
- New Local Route Extension of Rt. 62 to SW 81 Ave. and Southgate Blvd. (2022)
- Rapid Bus/BRT service north-south along SR 7/US 441 (in service 2021)



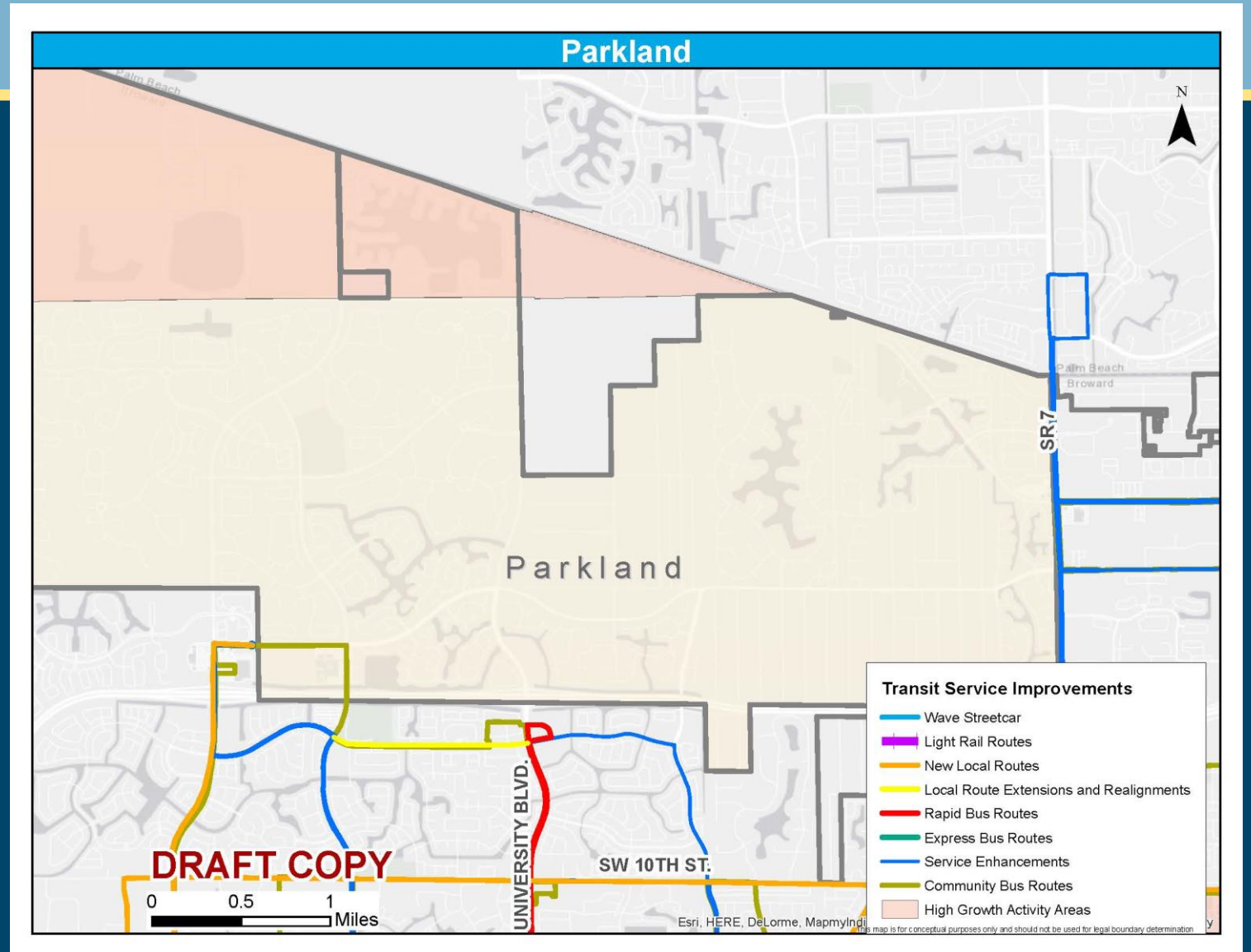
# Oakland Park

- Installation of new or replacement bus shelters throughout the City (2019-2048)
- New Local Bus Route north-south along Rock Island Rd. (2020) and Cypress Creek/McNab Rd. (2022)
- Headway/Schedule improvements to existing local bus routes 10, 14, 20, 31, 36, 50, 55, 60, 62, and 72 (select years 2023-2026)
- Rapid Bus/BRT service north-south along SR 7/US 441 (in service 2021)
- Rapid Bus/BRT service east-west along Oakland Park Blvd. (in service 2024)
- Rapid Bus/BRT service north-south along Dixie Highway (in service 2039)



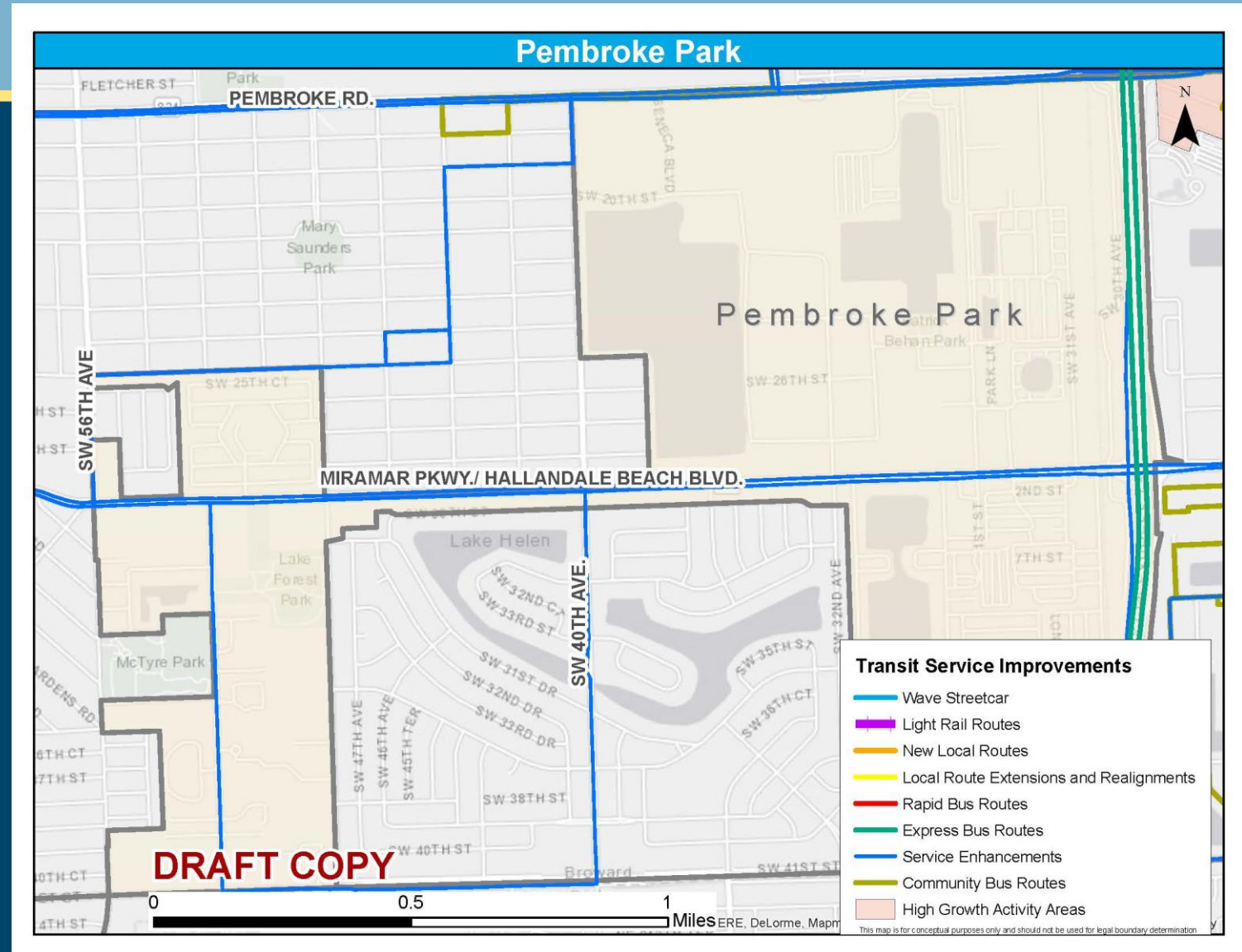
# Parkland

- Installation of new or replacement bus shelters within the City (2019-2048)
- Headway/Schedule improvements to existing local bus Route 19 (2019) 31 (2025) and 48 (2026)
- New Local Route Extension of Rt. 48 from Hillsboro Blvd. to Seminole Coconut Creek Casino/area (2019)
- New Local Route north-south along Nob Hill Rd. (2021)
- New Local Bus Route east-west along Wiles Rd. from A1A to Coral Springs Dr. (2027)



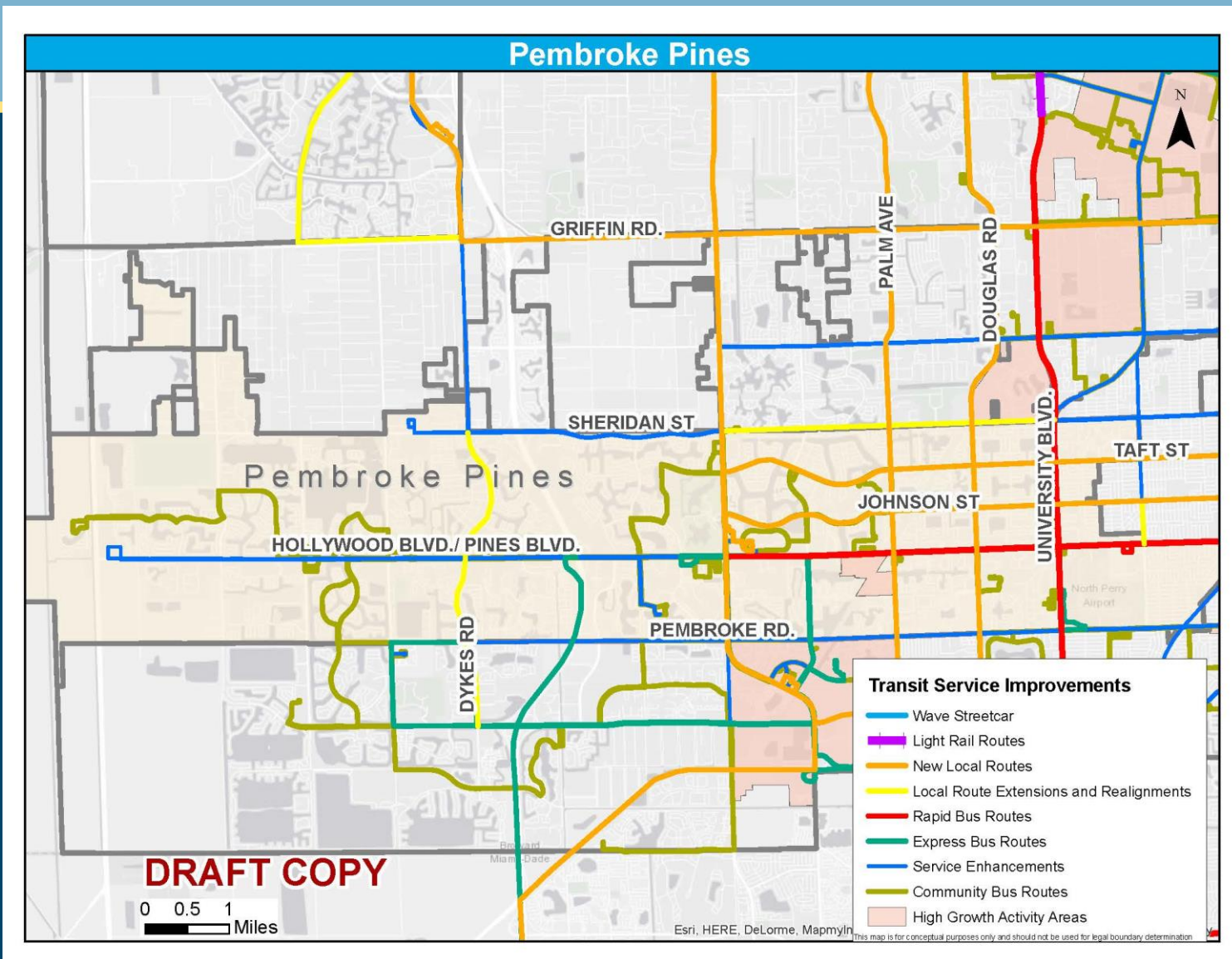
# Pembroke Park

- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus Route 5, 15, and 28 (select years 2024-2029)



# Pembroke Pines

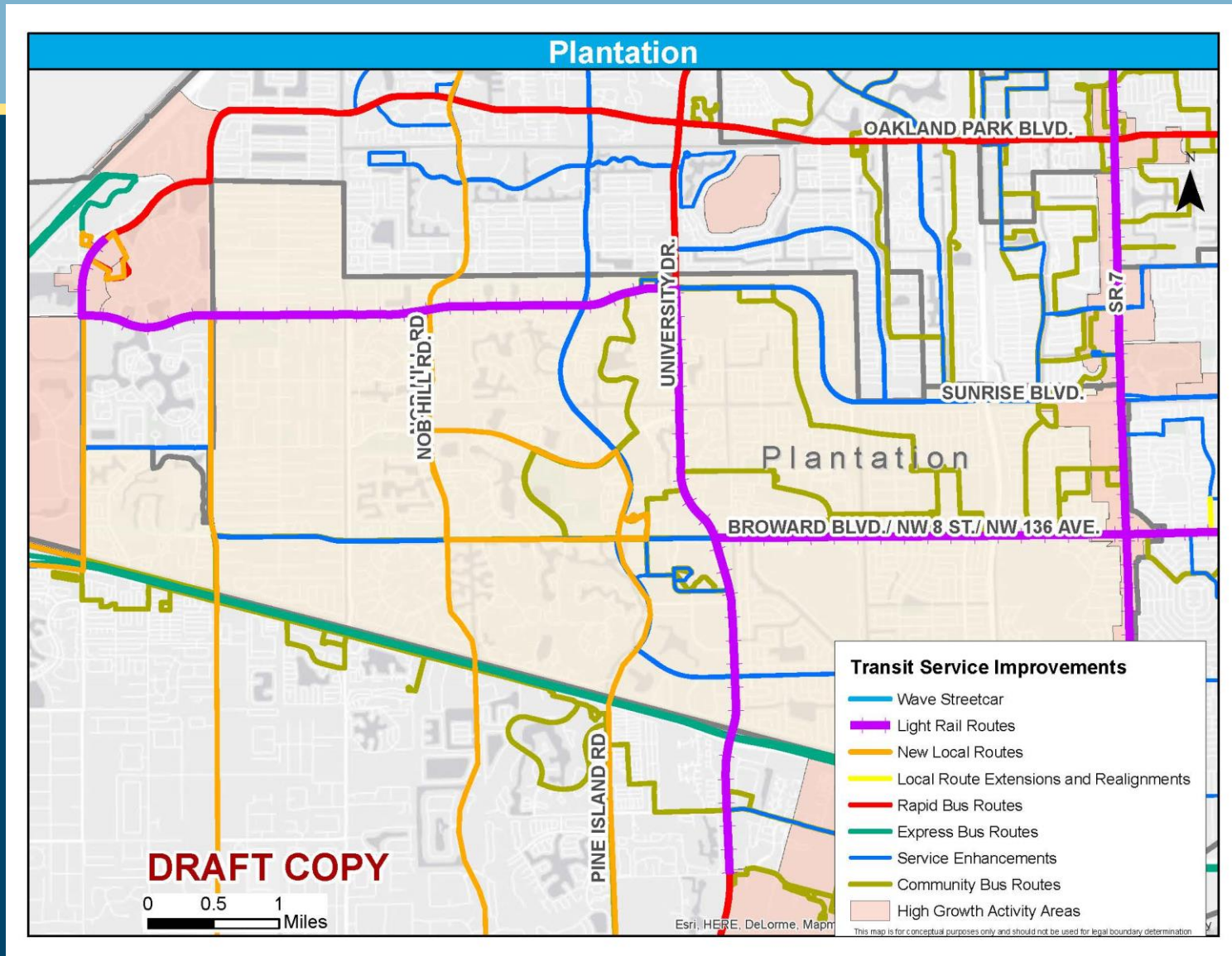
- 100% funding of existing City of Pembroke Pines Community Bus Program (annually)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus routes 2, 5, 18, 23, and 28 (select years 2019-2029)
- New Local Bus Routes along Taft St. (2019), Flamingo Rd. (2023), Douglas Rd. (2024), Johnson St. (2025), and Palm Ave. (2028)
- New Local Route Extension of Rt. 23 along Dykes Rd. (2021)
- New Local Route Extension of Rt. 9 to Broward College (South Campus) (2025)
- New Local Route Extension of Rt. 12 across Sheridan St. to Broward College Academic Village (2025)
- Rapid Bus/BRT service along US 441 (2021)
- Rapid Bus service along Hollywood Blvd./Pines Blvd. (2030)
- Rapid Bus service along University Dr. (2033)





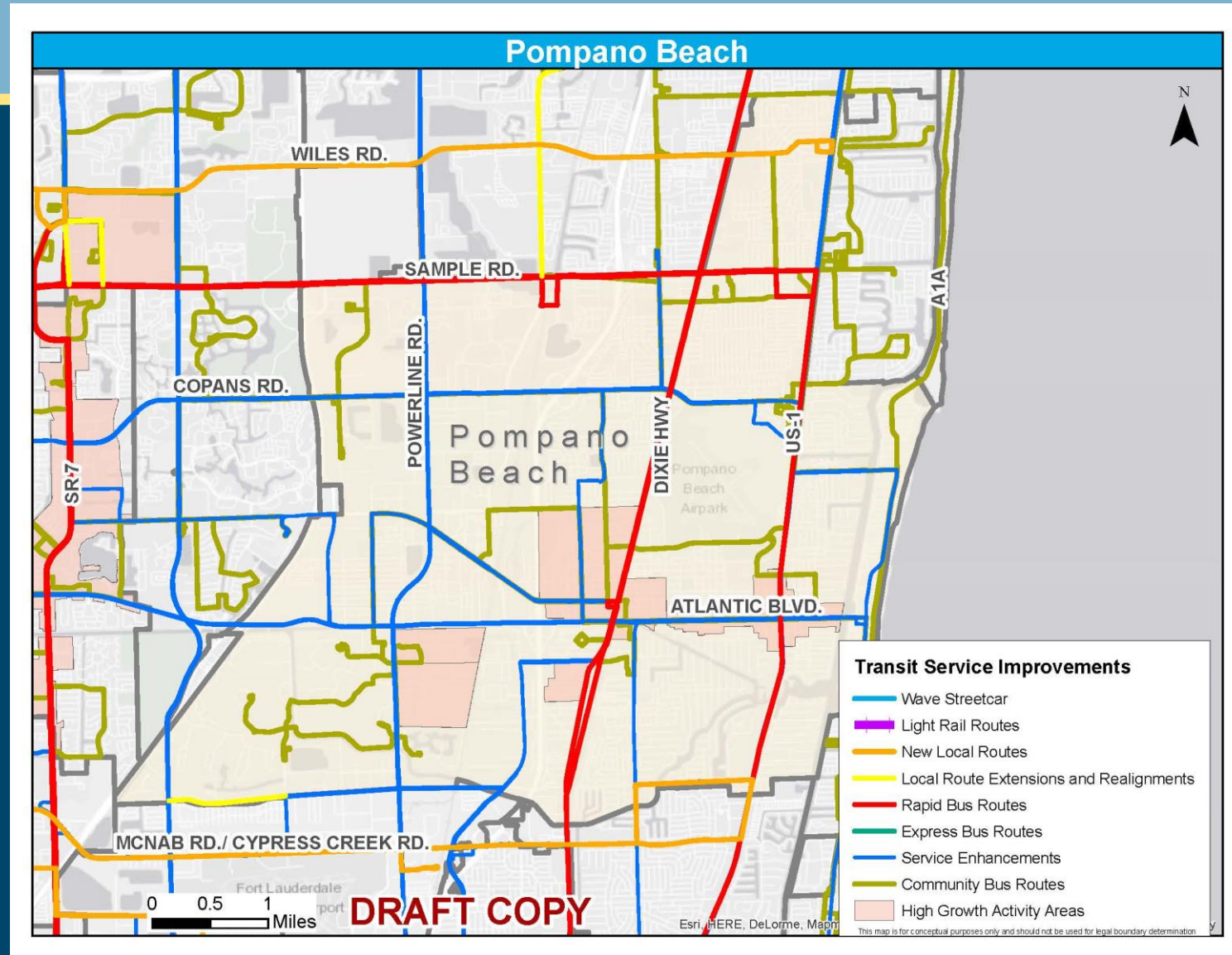
# Plantation

- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus routes 2, 12, 18, 22, 30, 36, 55, 81, and 88 (select years 2019-2029)
- New Local Bus Routes along Nob Hill Rd. (2021), Flamingo Rd. (2023), Pine Island Rd./Douglas Rd. (2024), and Griffin Rd./Weston Rd./NW 136<sup>th</sup> Ave. (2026)
- Rapid Bus service along US 441 (2021)
- Rapid Bus service along Oakland Park Blvd. (2024)
- Rapid Bus service along University Dr. (2033)
- LRT service along US 441 from Commercial Blvd. to Stirling Rd. (in service 2027)
- LRT service from US 441, along Broward & Sunrise Blvd. to Sawgrass Mills Mall (in service 2031)
- LRT service along University Dr. from Broward Blvd. to NOVA Southeastern University (in service 2035)



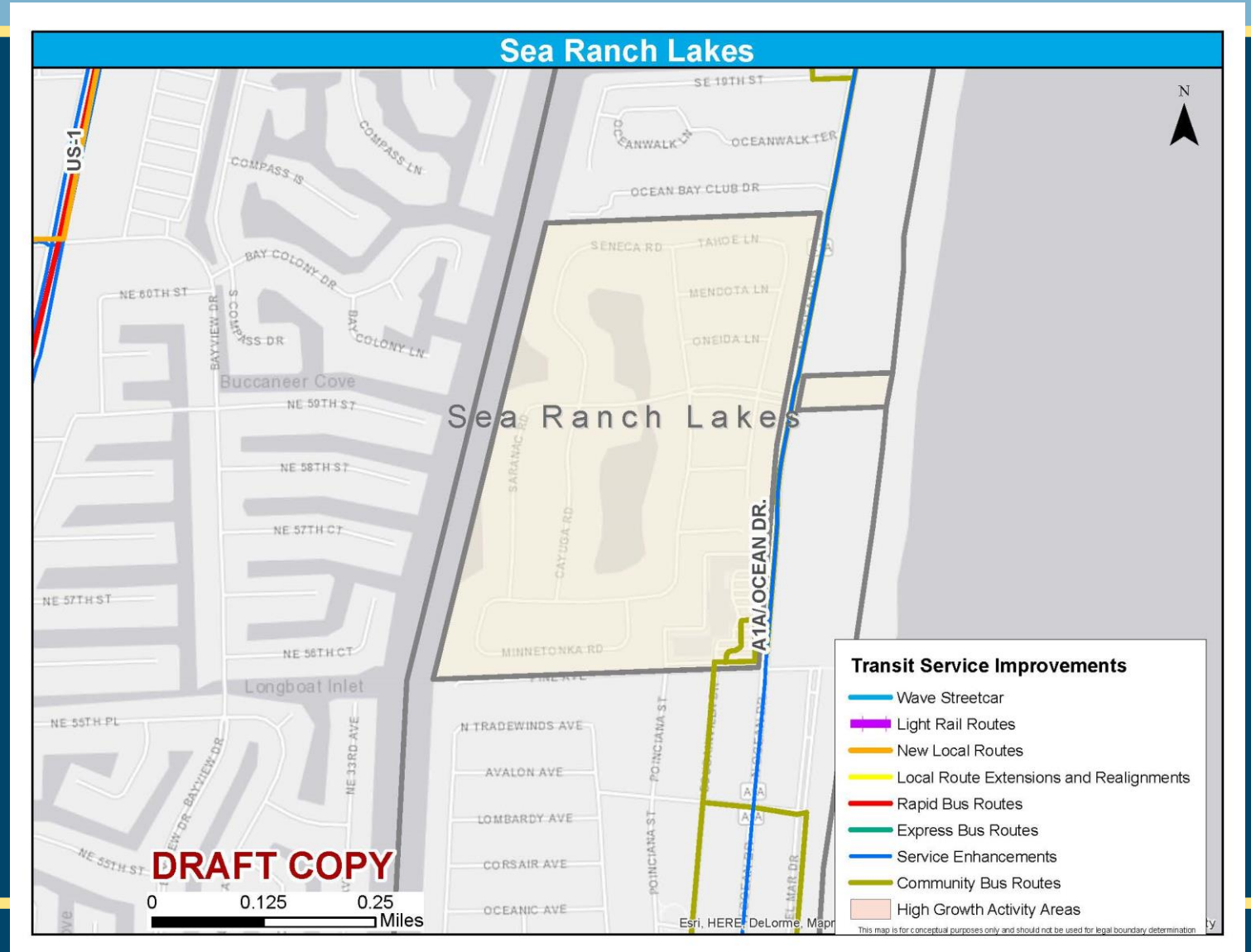
# Pompano Beach

- Funding for 100% of existing City of Pompano Beach Community Bus Program (annually)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus routes 10, 11, 14, 20, 31, 34, 42, 48, 50, 60, 62, and 83 (select years 2020-2028)
- New Local Bus Routes east-west along McNab Rd. (2022) and Wiles Rd. (2027)
- Rapid Bus service along US 1 (2027)
- Rapid Bus service along Sample Rd. (2036)
- Rapid Bus service along Dixie Highway (2039)



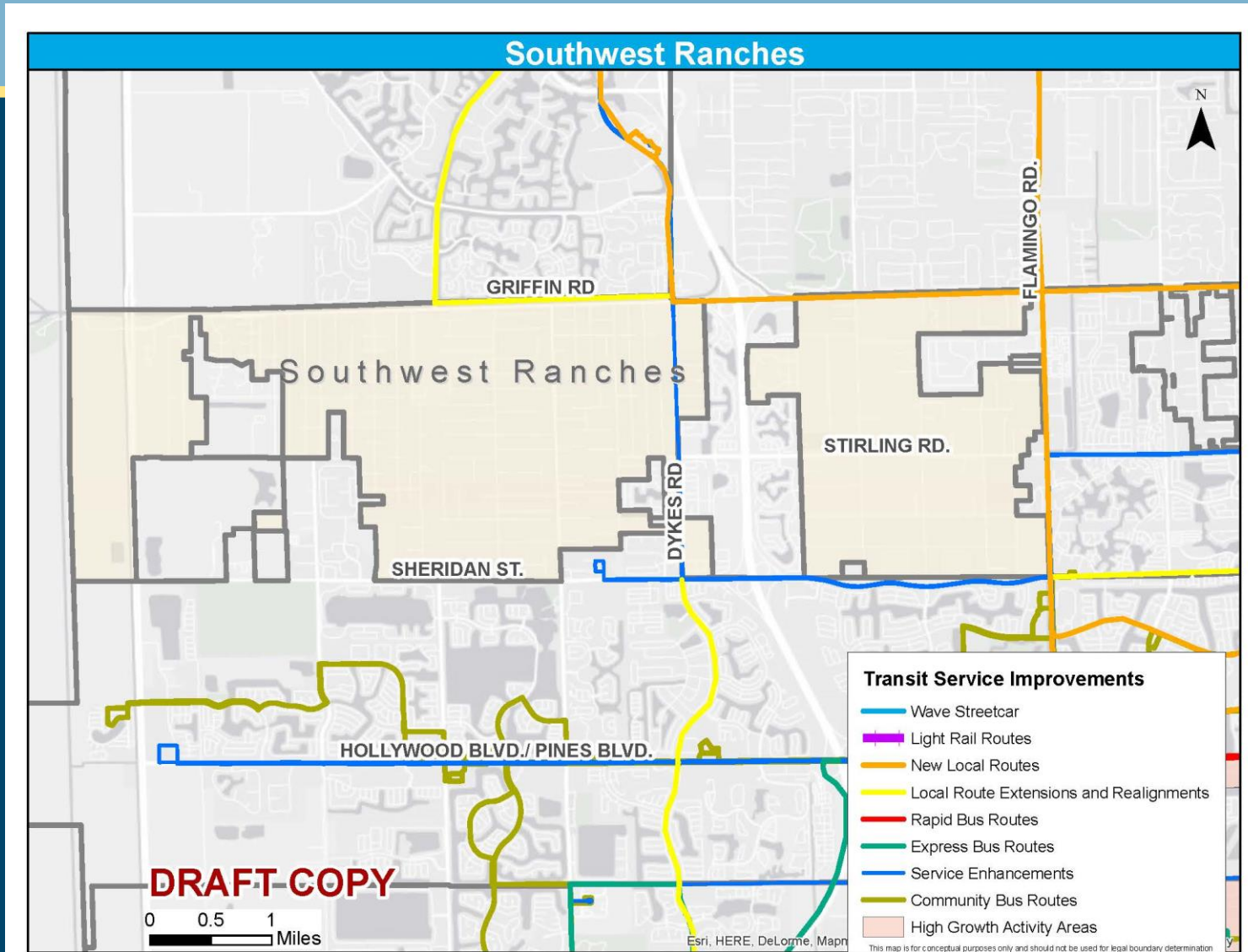
# Sea Ranch Lakes

Headway/Schedule improvements to existing local bus Route 11 (2020)



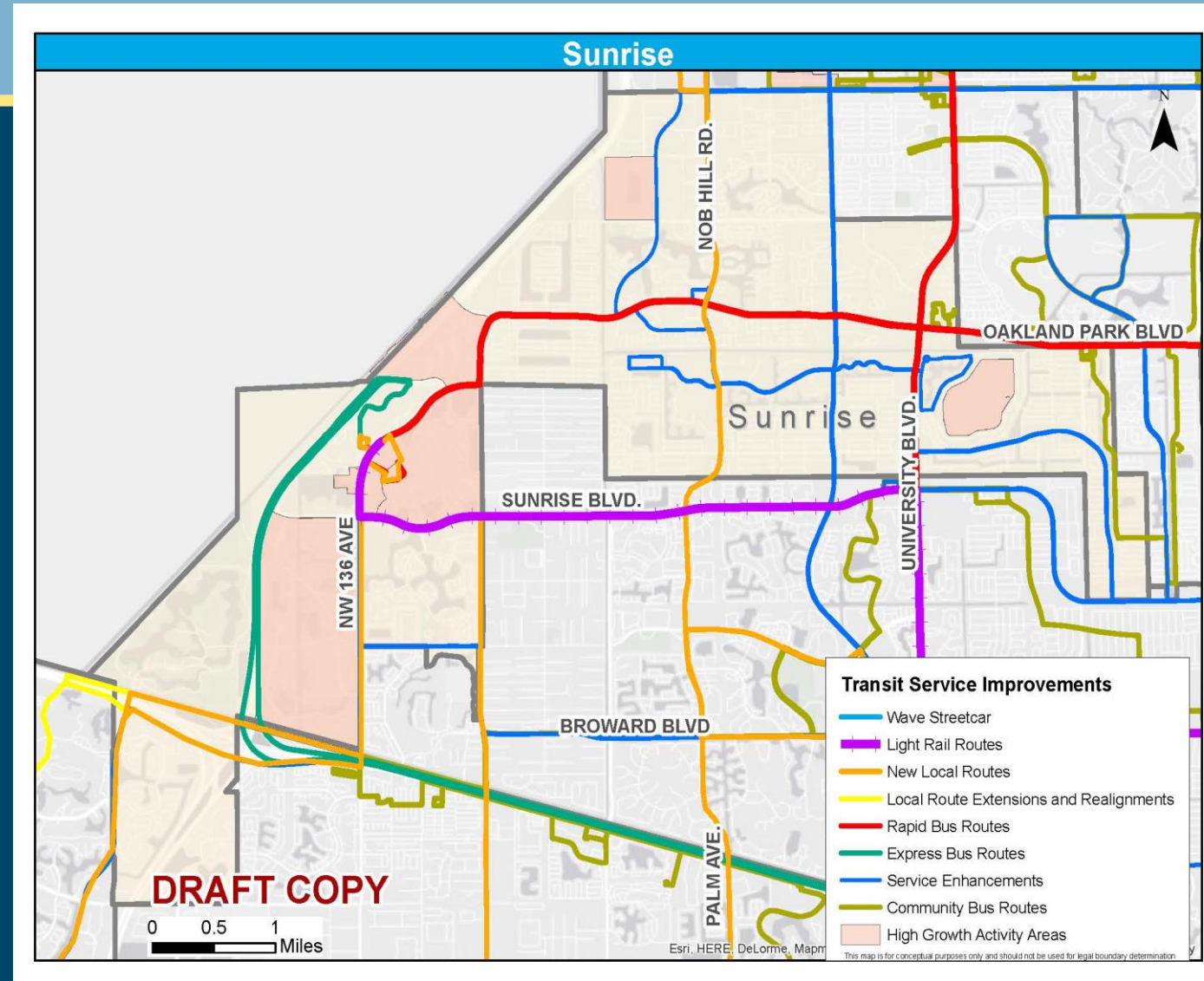
# Southwest Ranches

- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus route 23: Weekdays: 30-min. Peak/60-min. Off-Peak. In addition, Rt. 23 service would be restored for Saturdays and Sundays and operate at 45-min. headways (2021/2027)
- New Local Bus Route east-west along Flamingo Rd. (2023) and Griffin Rd. (2026)
- New Local Bus Route Extension of Rt. 23 north-south connecting Miramar Town Center, Memorial Hospital Miramar, Academic Village (Broward College), and the Sawgrass Mills Mall using Dykes Rd./Bonaventure Rd./136<sup>th</sup> Ave. (2023)
- Headway/Schedule improvements to existing local bus Route 12 (2025)



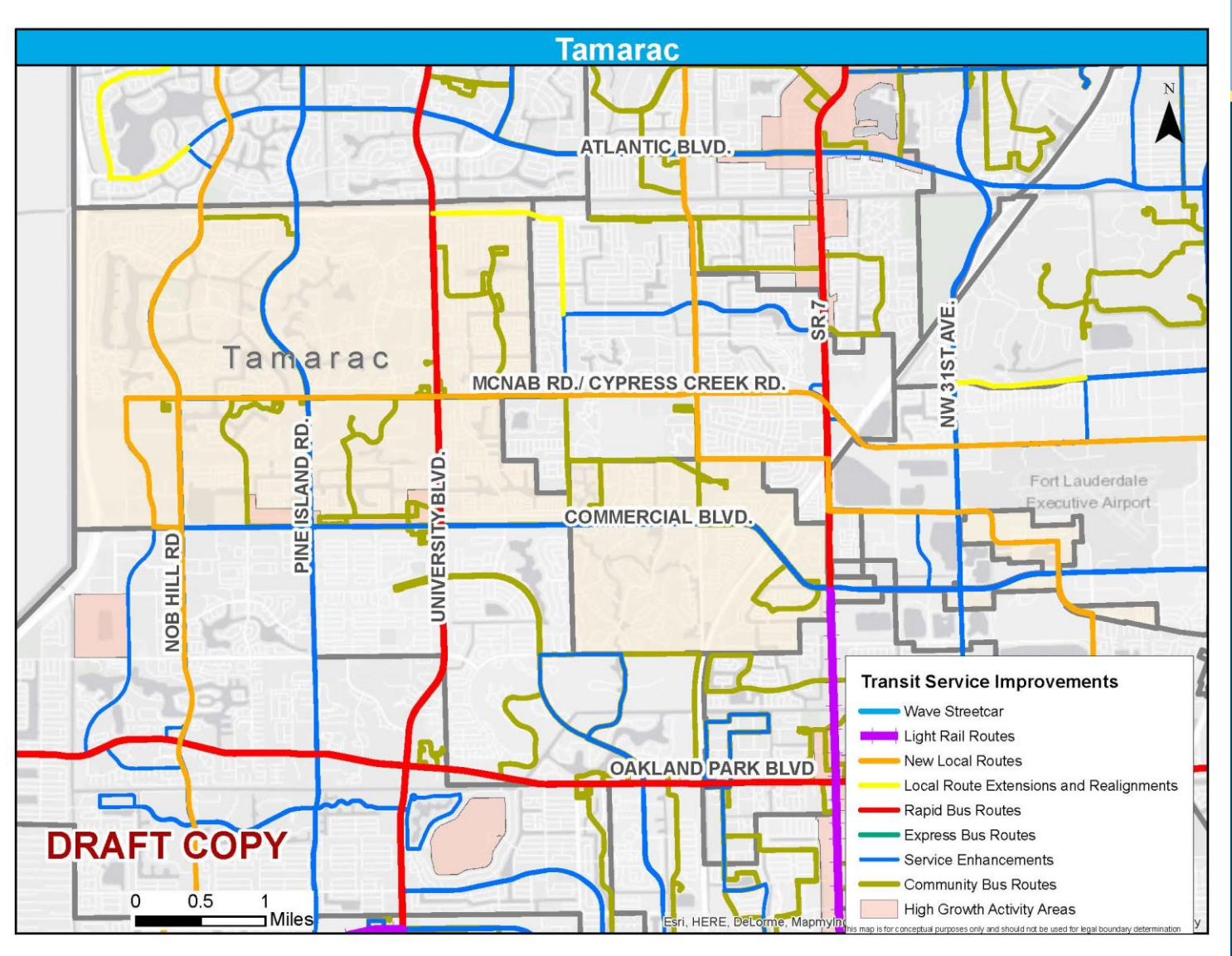
# Sunrise

- Installation of new or replacement bus shelters (2019-2048)
- Development of a Transit Intermodal Center within the City to accommodate the planned increase in transit services. (Location/Schedule TBD)
- Headway/Schedule improvements to existing local bus routes (select years 2019-2029)
- New Local Bus Route north-south along Nob Hill Rd. (2021) and Flamingo Rd. (2023)
- New Local Bus Route Extension of Rt. 23 north-south connecting Miramar Town Center, Memorial Hospital Miramar, Academic Village (Broward College), and the Sawgrass Mills Mall using Dykes Rd./Bonaventure Rd./136<sup>th</sup> Ave. (2021)
- Headway/Schedule improvements to existing local bus route 23: Rt. 23 service would be restored for Saturdays and Sundays and operate at 45-min. headways (2021)
- New Local Bus Route (55) extension to Sawgrass Mall (2022)
- New Local Bus Route: Griffin Rd./Weston Rd./NW 136<sup>th</sup> Ave. (2026)
- Rapid Bus service along Oakland Park Blvd. (in service 2024)
- Rapid Bus service along University Dr. (in service 2033)
- LRT service east-west from SR 7/US 441, along Broward & Sunrise Blvd. to Sawgrass Mills Mall (in service 2031)



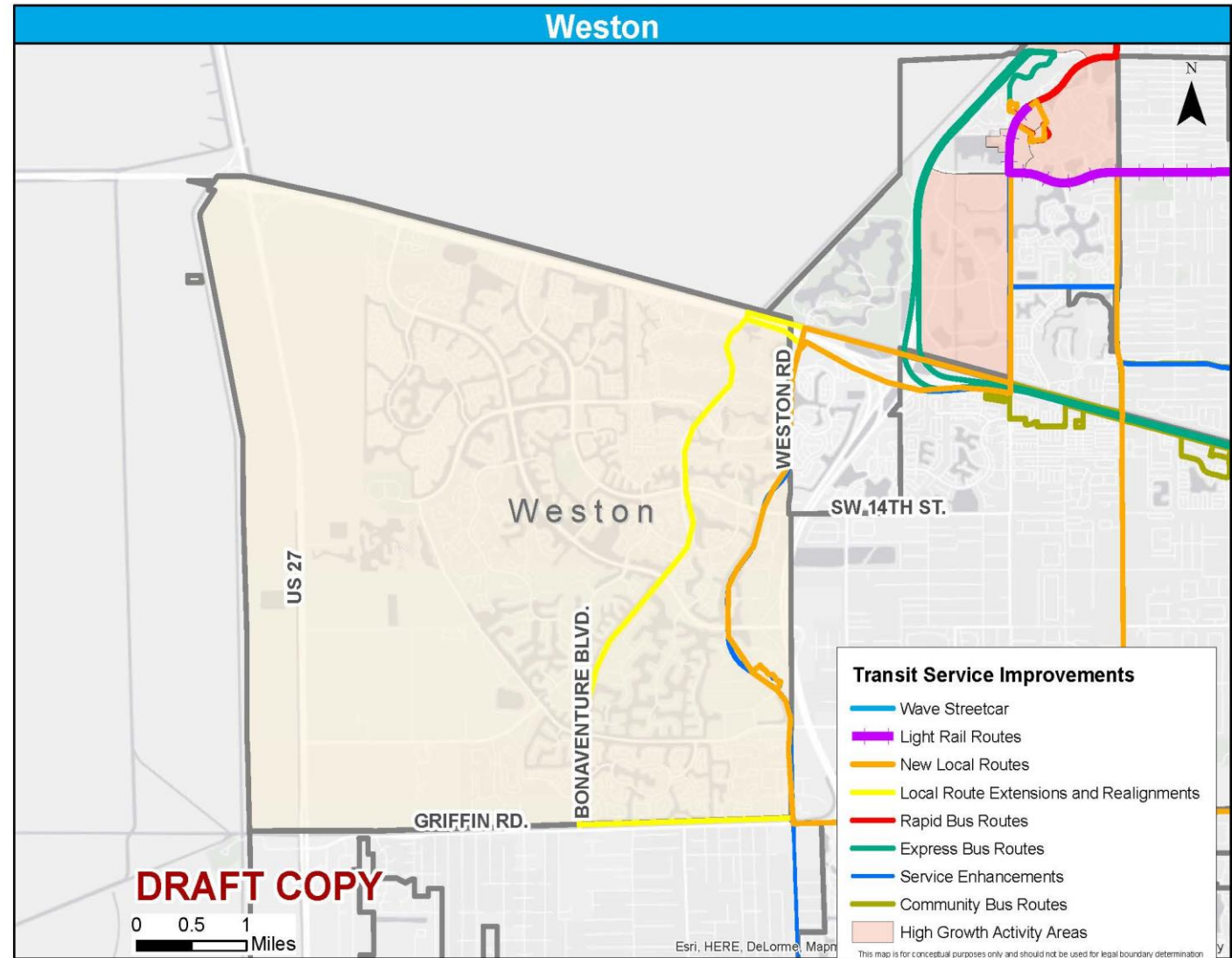
# Tamarac

- 100% funding of existing City of Tamarac Community Bus Program (annually)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus routes 2, 19, 36, 55, 62, 81, and 88 (select years 2019-2029)
- New Local Bus Routes along Rock Island Rd. (2020), Nob Hill Rd. (2021), and McNab Rd. (2022)
- New Local Route Extension of Rt. 62 to SW 81 Ave. and Southgate Blvd. (2022)
- Rapid Bus service along US 441 (2021)
- Rapid Bus service along University Dr. (2033)
- LRT service north-south along SR 7/US 441 from Commercial Blvd. to Stirling Rd. (in service 2027)



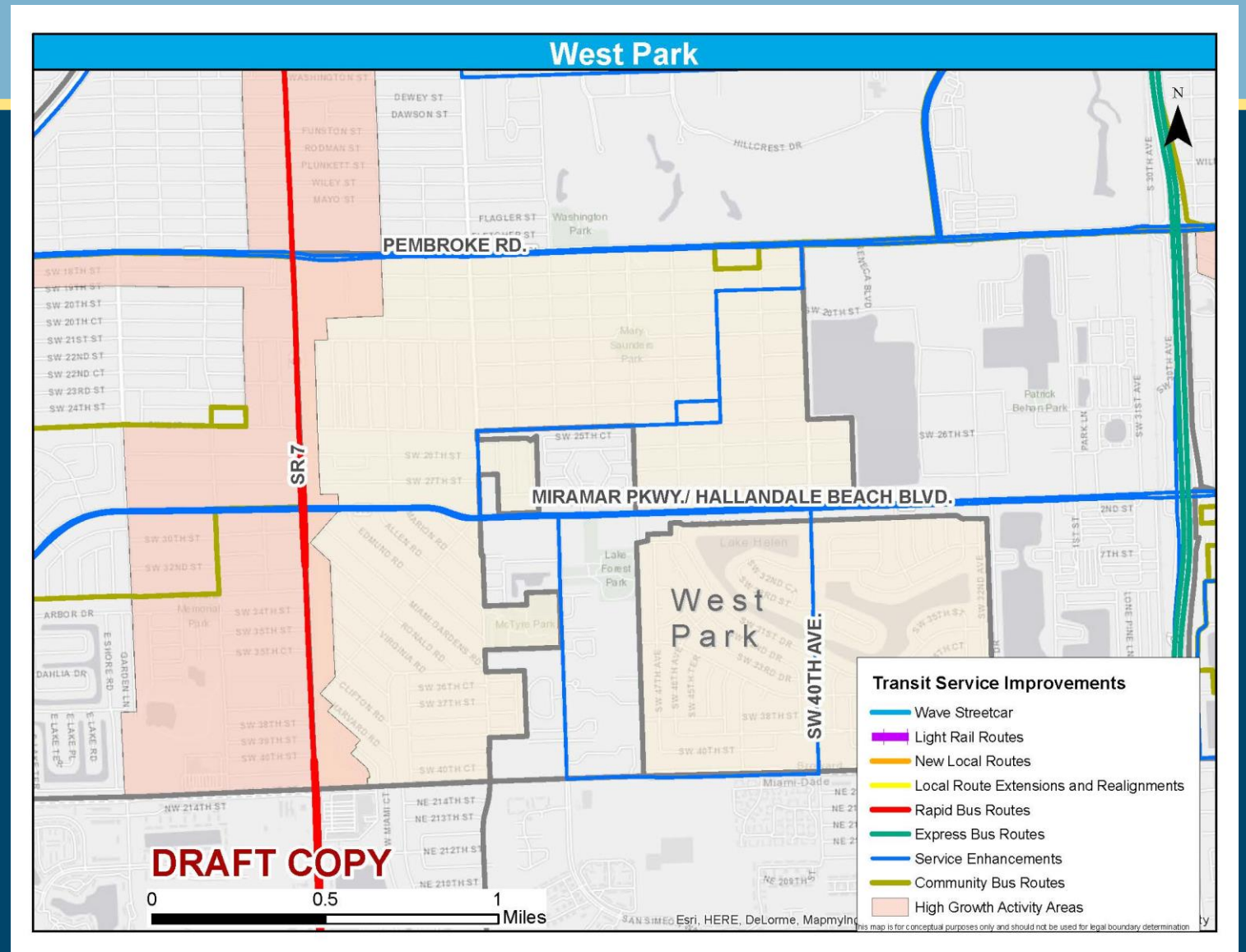
# Weston

- Installation of new or replacement bus shelters throughout the City (2019-2048)
- New Local Bus Route Extension of Rt. 23 north-south connecting Miramar Town Center, Memorial Hospital Miramar, Academic Village (Broward College), and the Sawgrass Mills Mall using Dykes Rd./Bonaventure Rd./136<sup>th</sup> Ave. (2021)
- Headway/Schedule improvements to existing local bus route 23: Weekdays: 30-min. Peak/60-min. Off-Peak. In addition, Rt. 23 service would be restored for Saturdays and Sundays and operate at 45-min. headways (2021)
- New Local Bus Route east-west along Griffin Rd. serving Sawgrass Mills Mall, Cleveland Clinic, South Florida Education Center, Griffin Rd. Tri-Rail Station and connection via Tri-Rail shuttles to the Airport. The new Griffin Rd. route would provide the following levels of service: Weekdays: 30-min. Peak/60-min. Off-Peak (2026)



# West Park

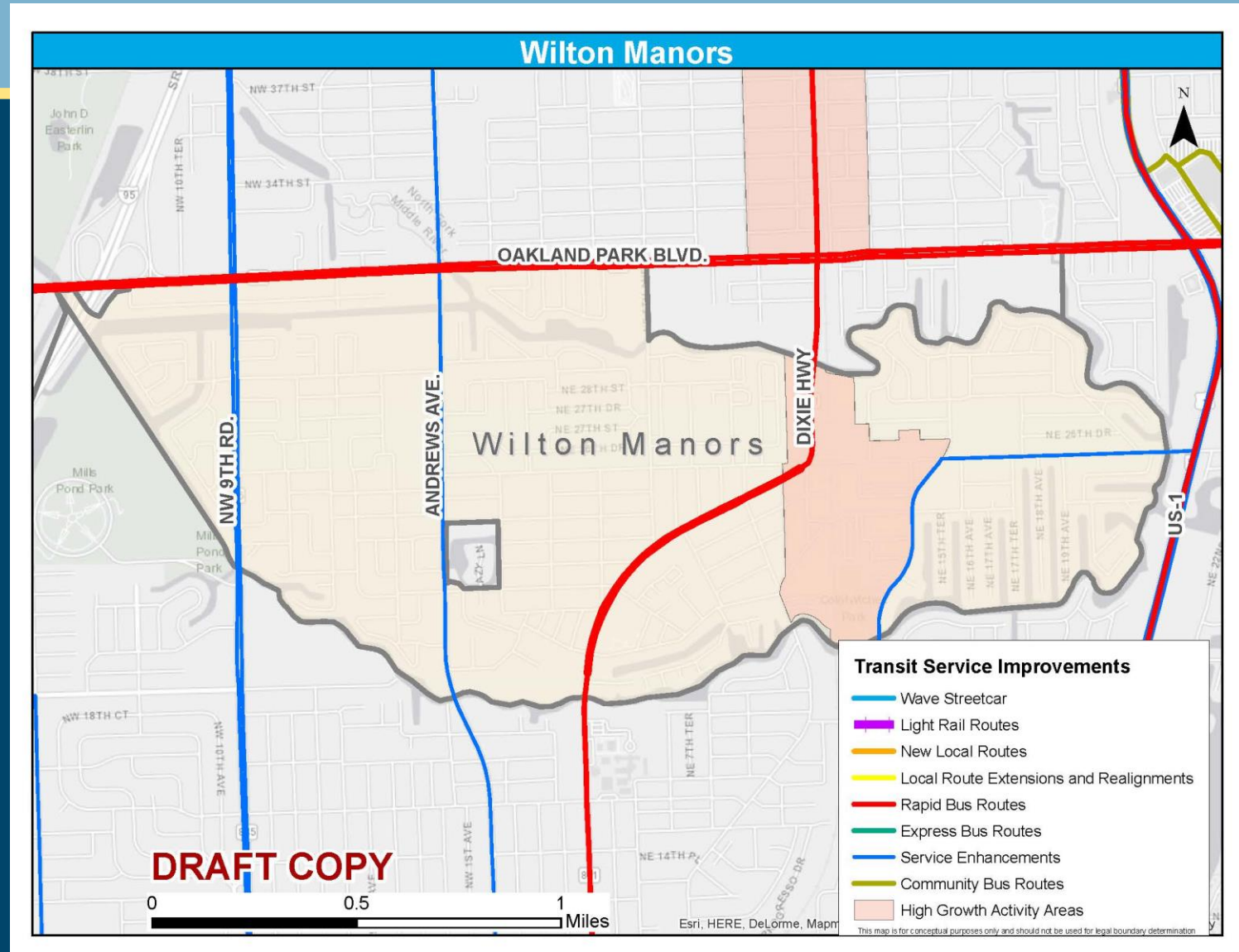
- Funding for 100% of existing City of West Park Community Bus service Operating & Maintenance costs and 100% funding for all Community Bus replacement mini-bus vehicles (annually)
- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus Route 15 (2028), and Route 28 (2029)
- Rapid Bus/BRT service north-south along SR 7/US 441 (in service 2021)





# Wilton Manors

- Installation of new or replacement bus shelters throughout the City (2019-2048)
- Headway/Schedule improvements to existing local bus routes 10, 14, 20, 50, 60, and 72 (select years 2020-2024)
- Rapid Bus/BRT service east-west along Oakland Park Blvd. (in service 2024)
- Rapid Bus/BRT service north-south along US 1 (in service 2027)
- Rapid Bus/BRT service north-south along Dixie Highway/Wilton Dr. (in service 2039)



# Paratransit/“TOPS”

## The Proposed Plan for Regional Mobility and Transportation Enhancements:

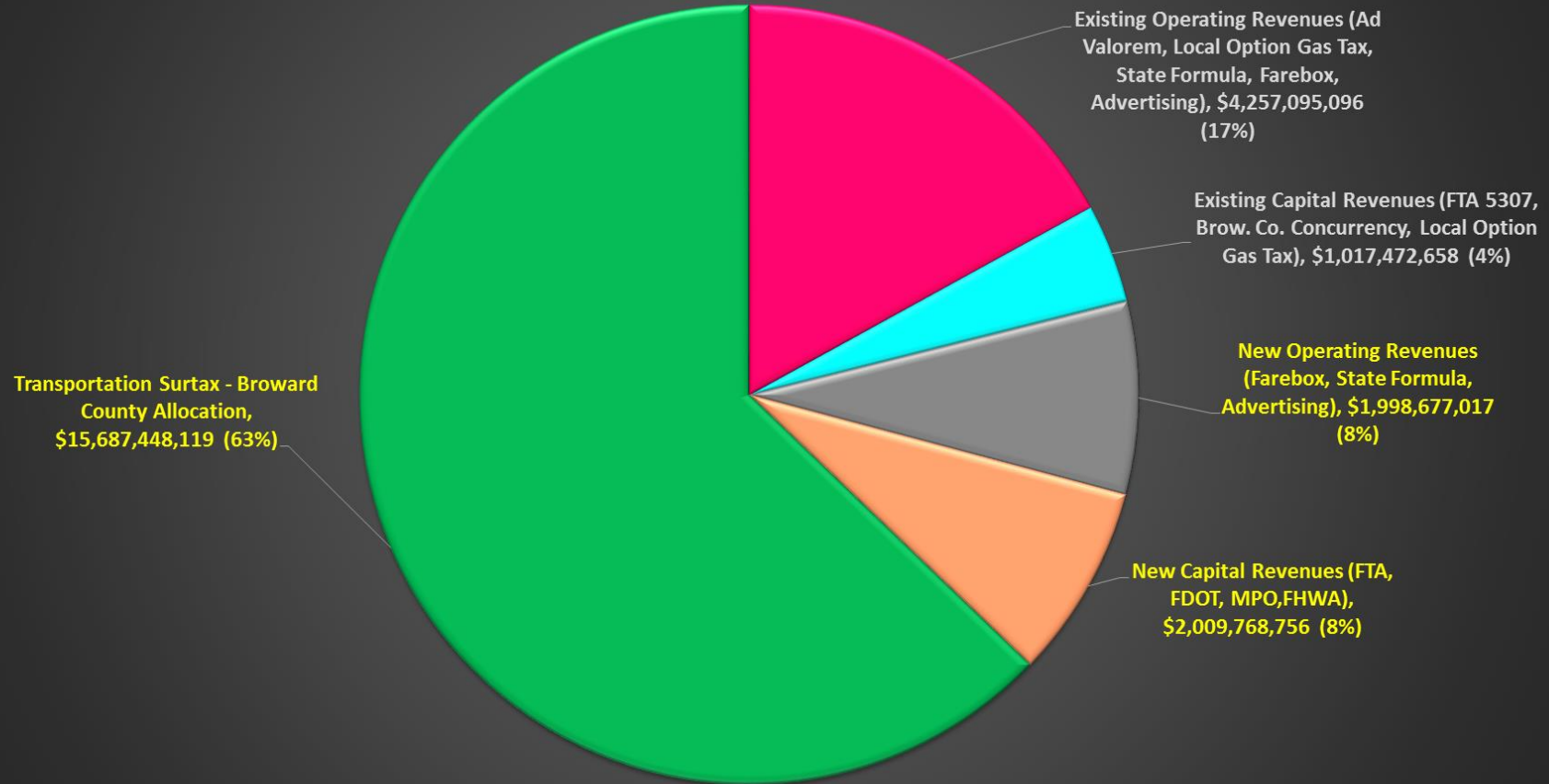
- Allows Paratransit to continue to meet growing demand
- Provides funding to meet the estimated operations and capital needs of paratransit services over the next 30 years
- Continues the Countywide area service coverage, exceeding federal standards
- Maintains full compliance with BCT’s current federal obligations mandated by the American Disabilities Act (ADA)

# New Transit Capital Improvements

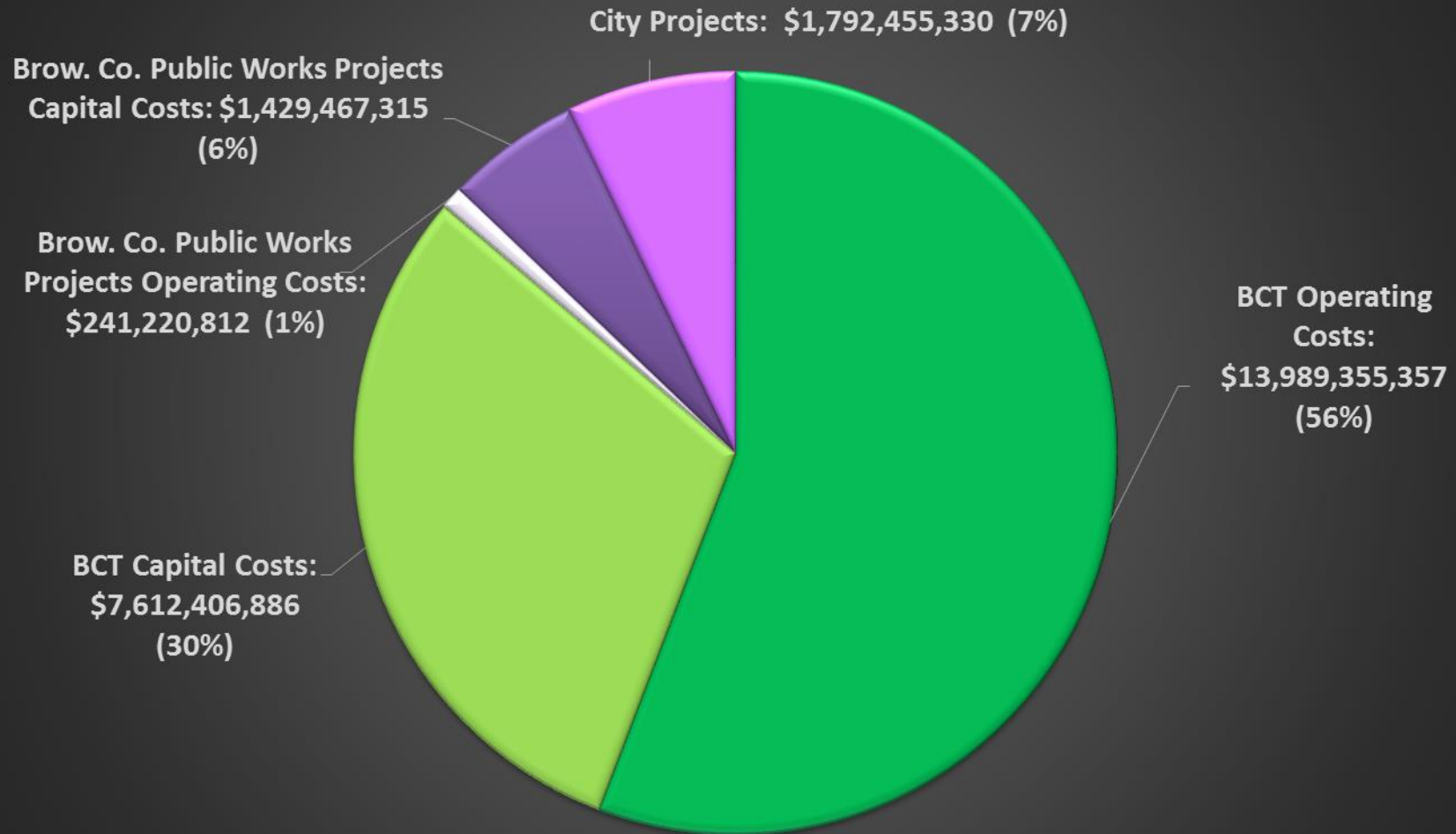
- Increase bus fleet from 359 to 642
- Increase rail fleet from 5 to 43 train cars
- New downtown intermodal center
- 1,400 new bus stops to support new local service
- 2,250 new bus shelters and related customer amenities
- 5 new neighborhood transit centers
- Modernization and expansion of Copans Rd. facility campus
- Construct 2<sup>nd</sup> new rail operations/maintenance facility (centrally)
- Construct new 3<sup>rd</sup> bus operations/maintenance facility
- Security enhancements
- Continued upgrades to information technology systems

# Updated\* Revenue Projections (as of March 9)

## Total Revenue for Plan By Category

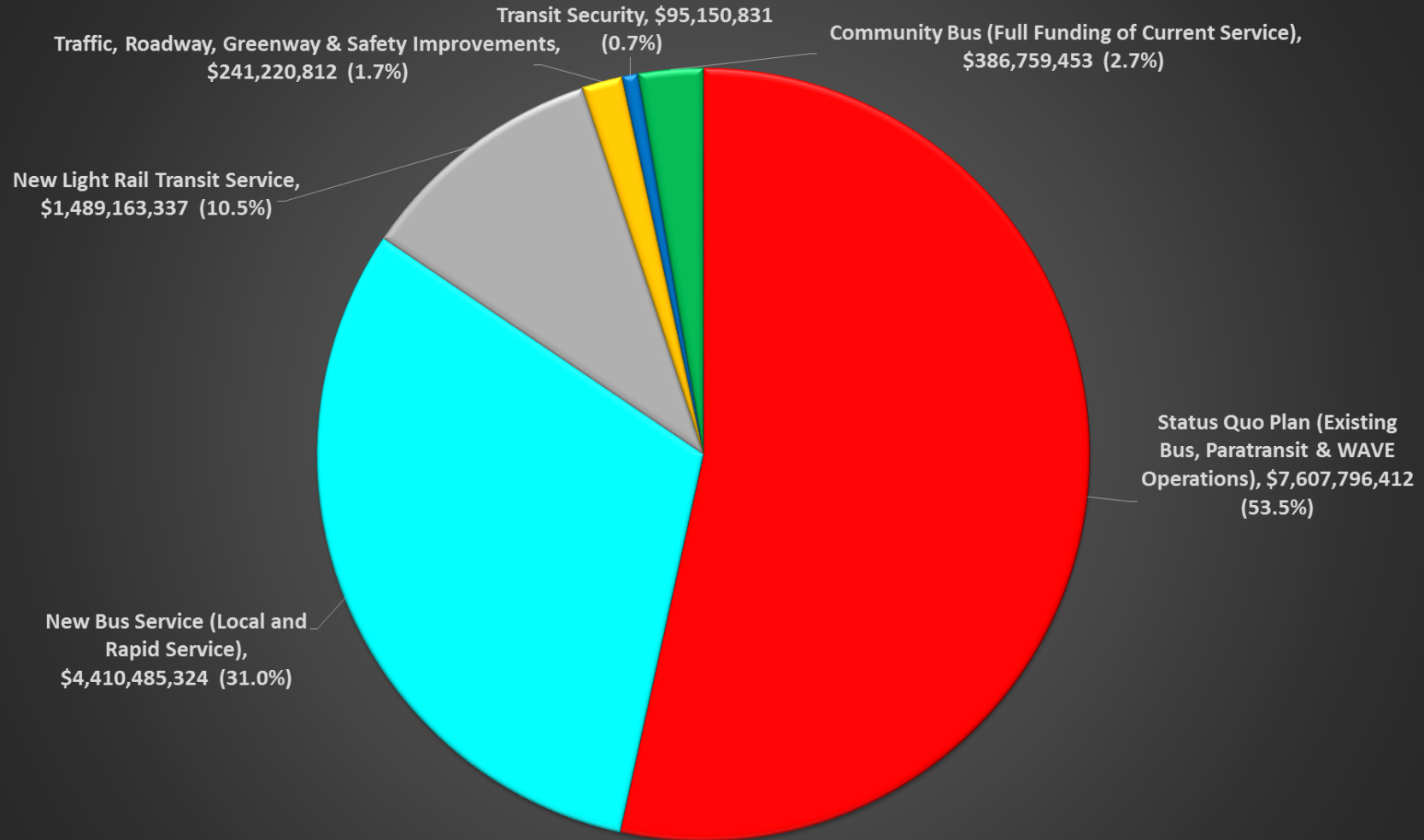


## Total 30-Year Expenses for Plan: \$ 25 Billion



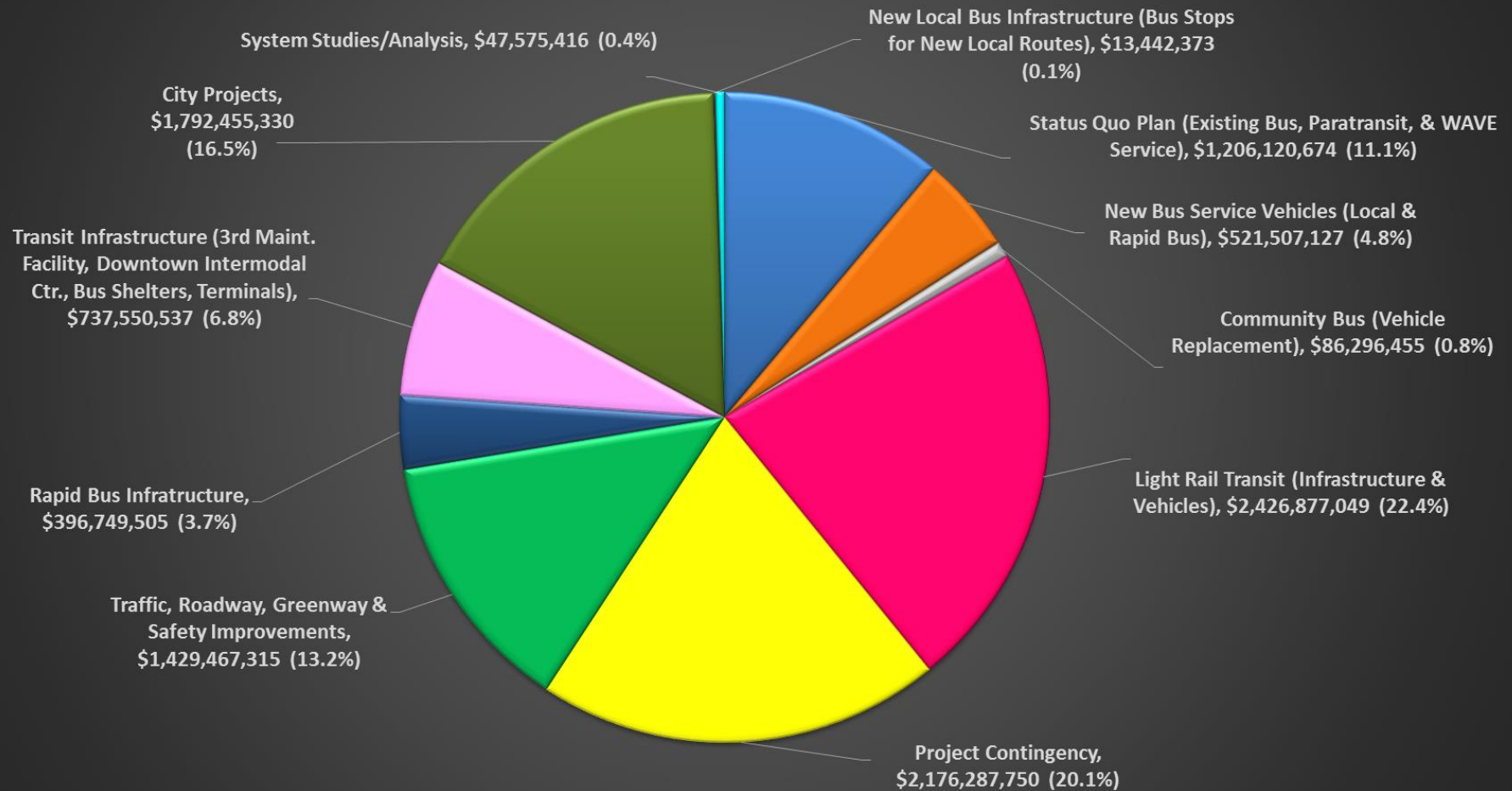
# Updated Operating/Maintenance Estimates

## Total Operating Costs 2019-2048: \$ 14 Billion



# Updated Capital Cost Estimates

## Total Capital Costs: \$ 11 Billion



# Oversight Board

- Oversight Board should be:
  - acting in a fiduciary role
  - evaluating surtax projects' appropriateness and eligibility
  - removing politics from the project review process
  - monitoring revenue, expenses, assumptions, and forecasts
  - assuring projects are delivered on time and within budget
  - tracking and reporting on progress milestones
- The 2016 effort created in the Interlocal Agreements an independent, nine-member **Oversight Board**, seven of whom were required to be Broward County residents, but we expect the Oversight structure to be revisited
- In 2016 effort, the five-member Appointing Authority consisted of designees from the President of NSU, Broward Workshop, Council of Chambers of Commerce, Auditor, and FAU Center for Environmental Studies



# Next Steps

## Efforts Complimenting a 2018 Transportation Surtax Initiative:

- BCT's 2019-28 Transit Development Plan (TDP) development (2017-18)
  - Broward MPO 2045 Long Range Transportation Plan (2017-19)
  - Broward MPO Mobility Hubs concept development (2017-18)
- 
- Plan is evaluated by community stakeholders; **input and feedback informs next steps**; consultants/campaign composition, etc.
  - Board consideration of Final Plan (March/April); passage of ballot language (April/May); ILAs as needed (May)
  - Community outreach/campaign (May-November)

Technology

Rapid transit

Alternative modes

Neighborhood connectivity

Safety zones

Partnerships

Outreach

Responsible oversight

Transparency