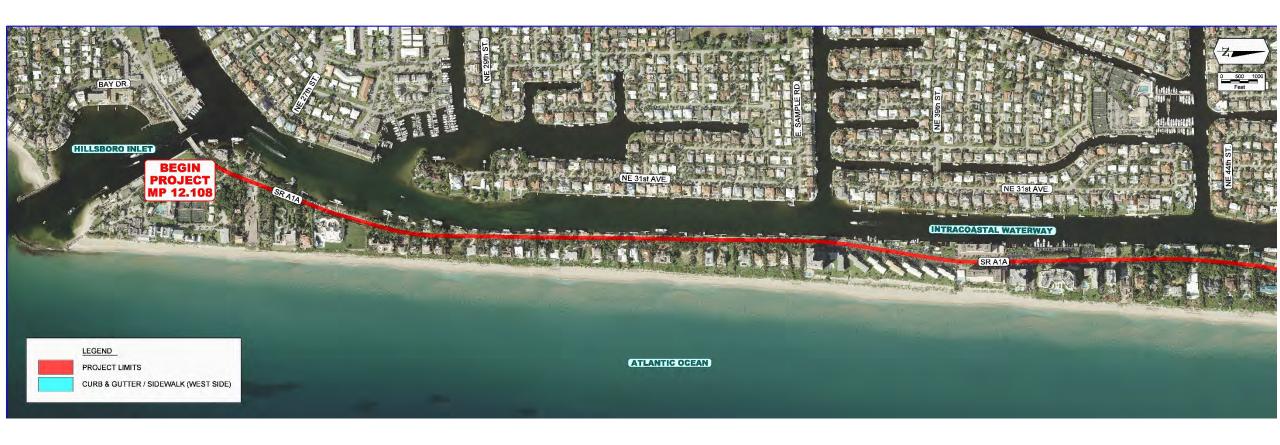


SR A1A Mobility Improvements from Southern Town Limits of Hillsboro Beach to SE 3rd Street

Broward County, FL FDOT FM # 441360-1-52-01

Bicycling and Pedestrian Advisory Committee (BPAC) Meeting

May 12, 2021





PROJECT LOCATION





PROJECT SCOPE

- ☐ SR A1A Project Limits: S. Limits of Hillsboro Beach to SE 3rd St in Deerfield Beach
- ☐ Primary scope: **Mobility Improvements** to <u>3.5 mile</u> long 2-lane major urban collector
 - Mill & resurface, minor widening
 - Provide <u>continuous paved shoulders</u> (designated bike lanes)
 - Add <u>sidewalk</u> to the west side of A1A from Opal Towers Condo to SE 10th St
 - Upgrade existing mid-block pedestrian crossings w/ flashing beacon system
 - Raise roadway segments at low points within first mile of project to mitigate historical roadway flooding during King Tides



PROJECT PROGRESS & SCHEDULE

- ☐ 30% Design Plans
 - Roadway Typical Section Approved by FDOT October 2020
- ☐ 60% Design Plans submitted April 2021
 - Public Information Meeting July 1, 2021
- □ 90% Design Plans submittal July 30, 2021
- ☐ Final Design Plans submittal October 2021



ANTICIPATED CONSTRUCTION SCHEDULE

- ☐ Letting Date March 2022
- ☐ Anticipated Construction Start Fall of 2022
- ☐ Duration of Construction Approx. 12 months

IMPACTS TO TRAFFIC DURING CONSTRUCTION

☐ No DETOUR or Complete Roadway Closure



Approved Typical Section

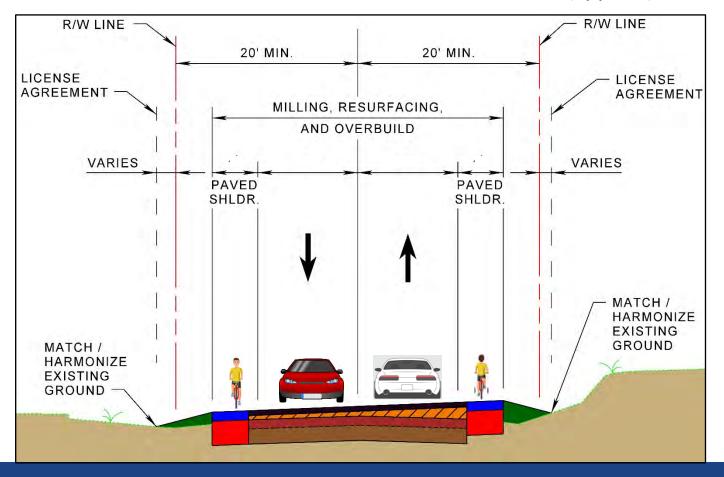
□ Project Begin Limit to Opal Towers – 12 ft lanes & 4 ft paved shoulders (bike lanes)
 □ From Opal Towers to SE 10th Street – 11 ft lanes, 4 ft paved shoulders (bike lanes), curb & gutter/sidewalk on west side only (end of *Town of Hillsboro* limits)
 □ From SE 10th Street to SE 3rd Street (end limit) - 11 ft lanes & 5 ft paved shoulders (bike lanes)
 (City of Deerfield Beach limits)

☐ Typical section reviewed & coordinated with FDOT (client), Town, City and Broward MPO



PROPOSED ROAD RAISING SEGMENT

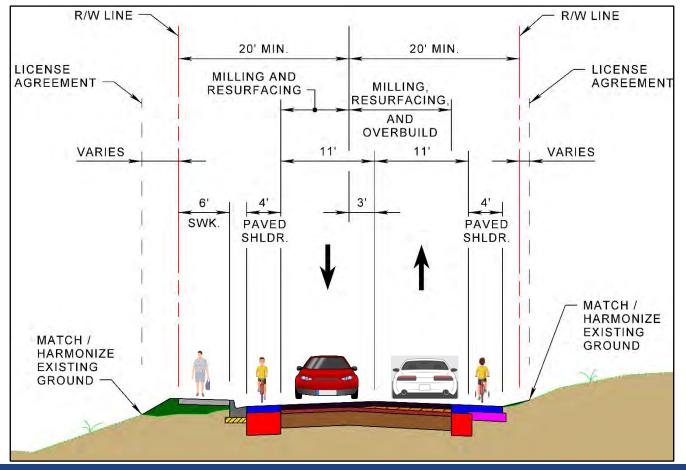
From 935 Hillsboro Mile to 1021 Hillsboro Mile (approx.)





PROPOSED CURB & GUTTER/SWK. (west-side only) SEGMENT

From Opal Towers Condo to SE 10th Street





961 HILLSBORO MILE (LOOKING NORTH)

Driveway Brick Paver Encroachment in Shoulder



961 HILLSBORO MILE (LOOKING NORTH)

Proposed Continuous Paved Shoulders – Designated Bike Lane



MID-BLOCK PEDESTRIAN CROSSINGS - Enhancements

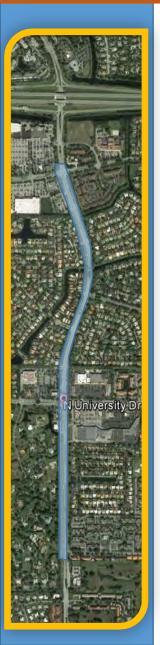
- ☐ Rectangular Rapid Flashing Beacon (RRFB)
 - Pedestal w/push button
 - Solar-powered
 - 6 crossings within project limits





THANK YOU





University Drive

From: South of NW 40th Street/Cardinal Road

To: South of the Sawgrass Expressway

Roadway Capacity Enhancement Project Florida Department of Transportation

District Four

FM No. 431756-1-52-01





University Drive:

- Project Details
 - ❖South of NW 40th St/Cardinal Road to south of Sawgrass Expressway
 - ❖Project intent Widen University Drive to a 6-lane urban facility
- Biddability Revival Stage
- **►** FDOT Commitments
 - Landscaping
 - Continued public outreach
 - ❖Bicyclist and Pedestrian Improvements



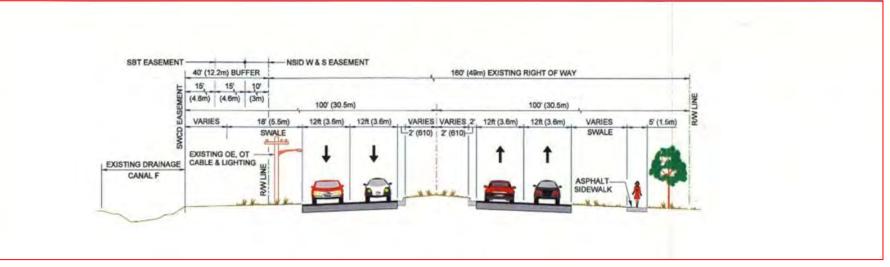


Existing Roadway

NW 40th St./Cardinal Road to Wiles Road









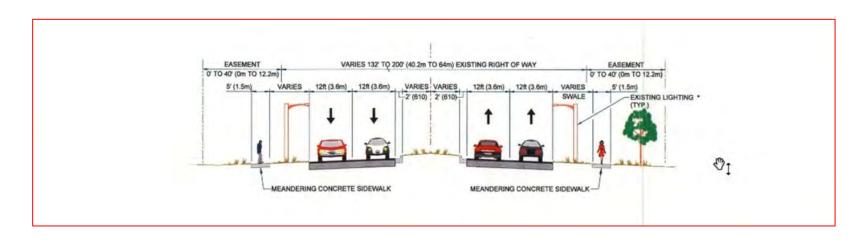


Existing Roadway

Wiles Road to Westview Drive



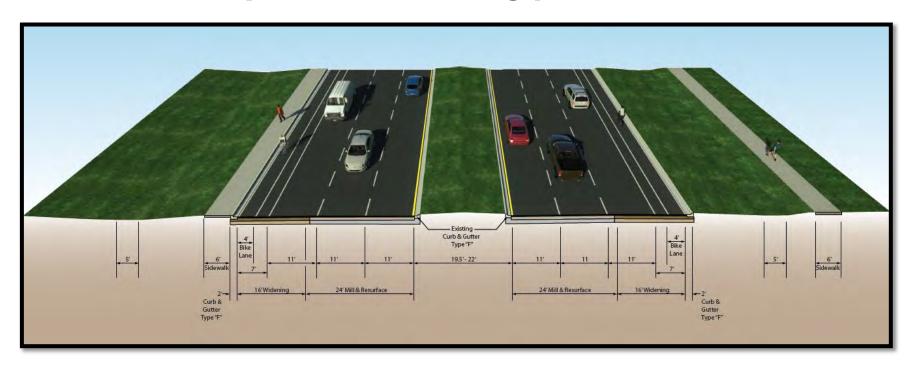








Complete Street Typical Section



- Urban Section
- 11-foot lanes
- 7-foot buffered bike lanes
- 6-foot sidewalk





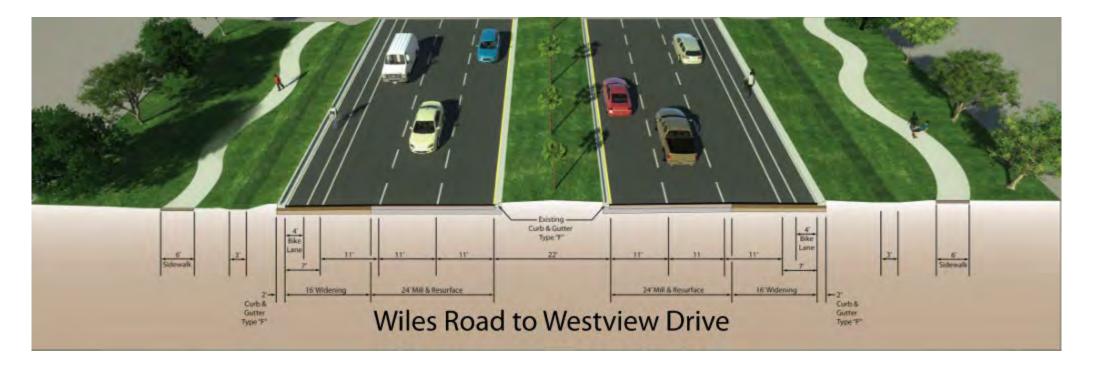
University Drive (NW 40th Street/Cardinal Road to Wiles Road)







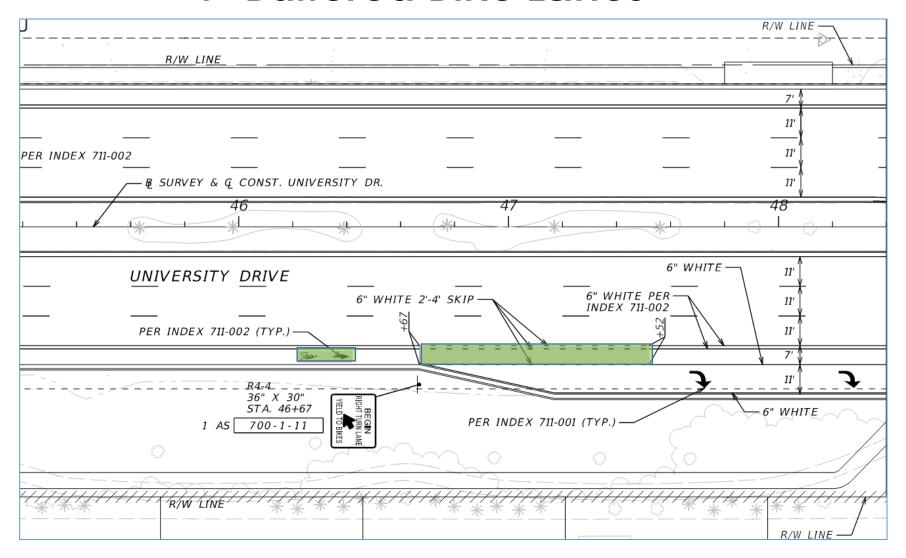
University Drive (Wiles Road to Westview Drive)







7' Buffered Bike Lanes







Green Bike Lane Pavement





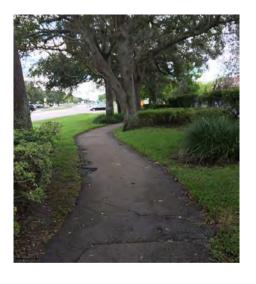


Existing 5' Concrete And Asphalt Sidewalks









Proposed 6' Concrete Sidewalks





New ADA Curb Ramps



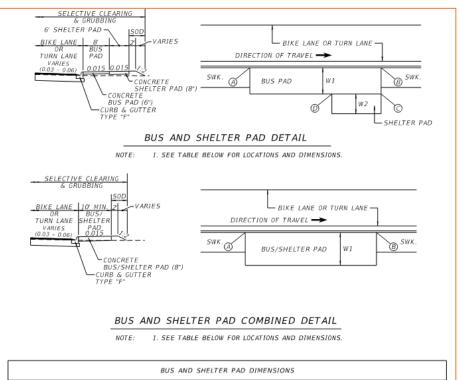






Bus Stops





B (STA.)

50+42.00

61+00.00

65+40.00

67+55.00

81+15.00

80+75.00

W2 (FT)

C (5TA.)

N/A

67+55.00

BUS STOP

2514

2838

2548

2839

2518 2516

D (STA.)

N/A

N/A

65+20.00

67+70.00

80+90.00

DIRECTION OF TRAVEL

W1 (FT

A (5TA.)

67+95.00





Project Milestones:

- Biddability Engineering Revival Submittal
 - **■** Summer 2021
- Production Engineering Submittal
 - **■** Winter 2021















City of Oakland Park Sidewalks

FPID No.: 439990-1-52-01

Broward County Bicycle Pedestrian Advisory Committee May 12th 2021



Agenda

- 1. Project Team
- 2. Project Location and Scope
- 3. Typical Sections
- 4. City of Oakland Park Encroachment Coordination
- 5. Temporary Traffic Control Plan
- 6. Project Schedule and Cost
- 7. Questions and Answers
- 8. Contact Information



1. Project Team



Project Team

- Presenter / Consultant Project Manager (DRMP Inc.): Evhen Kyj, P.E.
- FDOT Project Manager: Helen James, P.E.
- City of Oakland Park Project Manager: Andre Eugent



2. Project Location and Scope



Project Location







Project Improvements

Objective

- Broward MPO Mobility project to provide pedestrian connectivity
- Collaborative effort between FDOT, Broward MPO, and the City of Oakland Park

Scope of Work

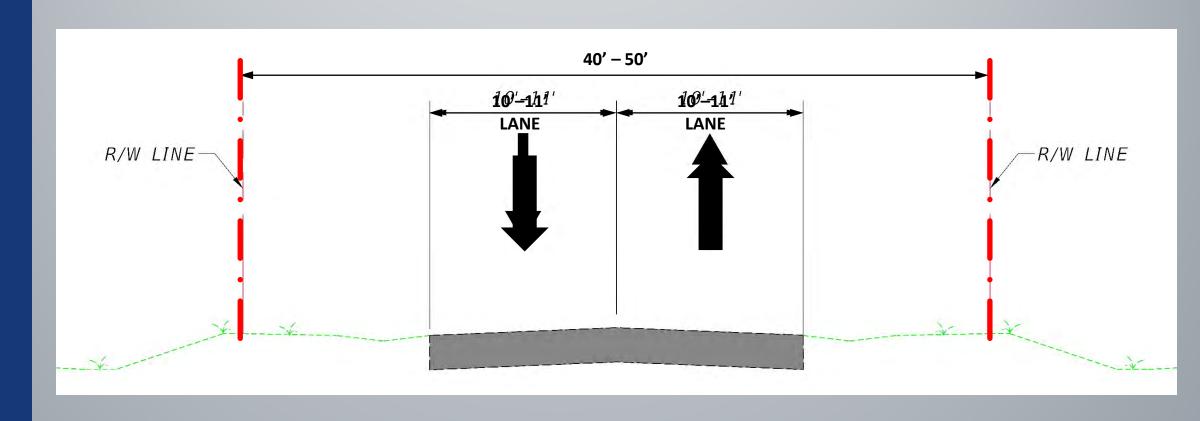
- Construct sidewalk
- ADA improvements
- Reconstruct driveways
- Replace/relocate impacted signs and drainage structures



3. Typical Sections

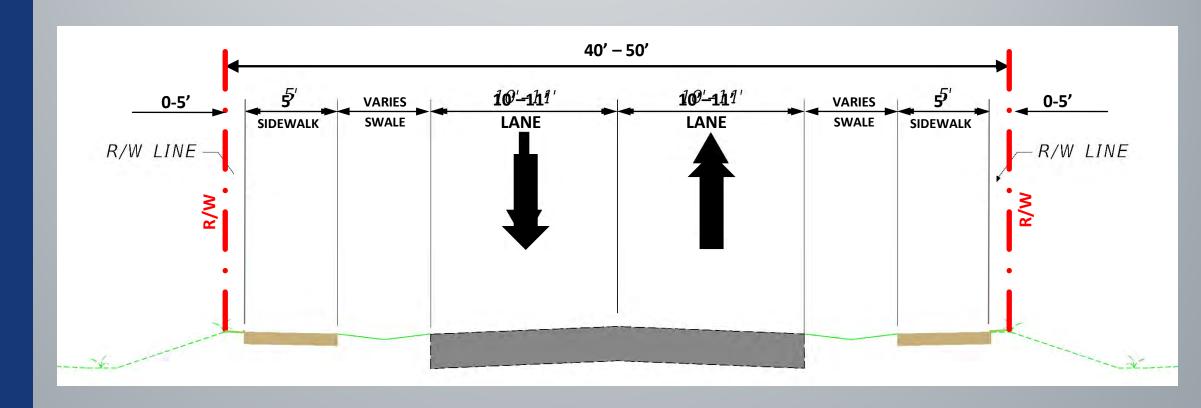


Typical Section – Existing Conditions



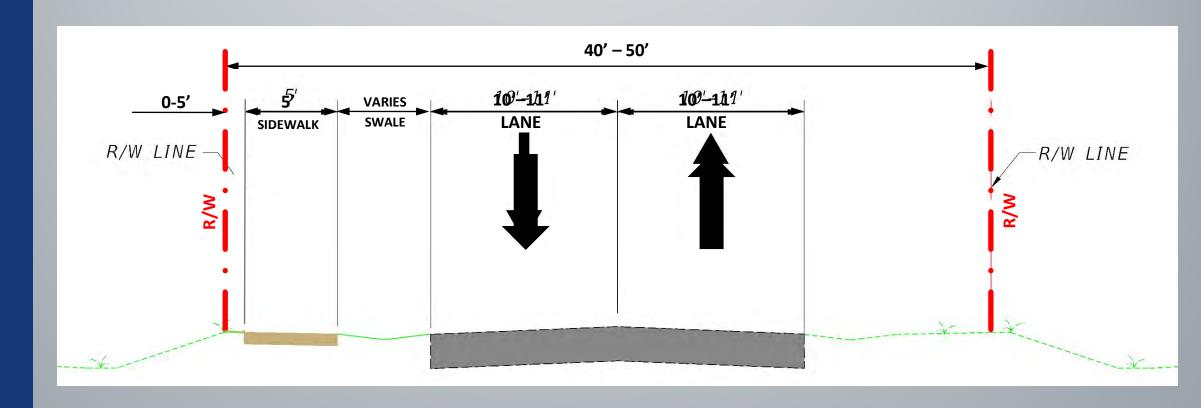


Typical Section 1



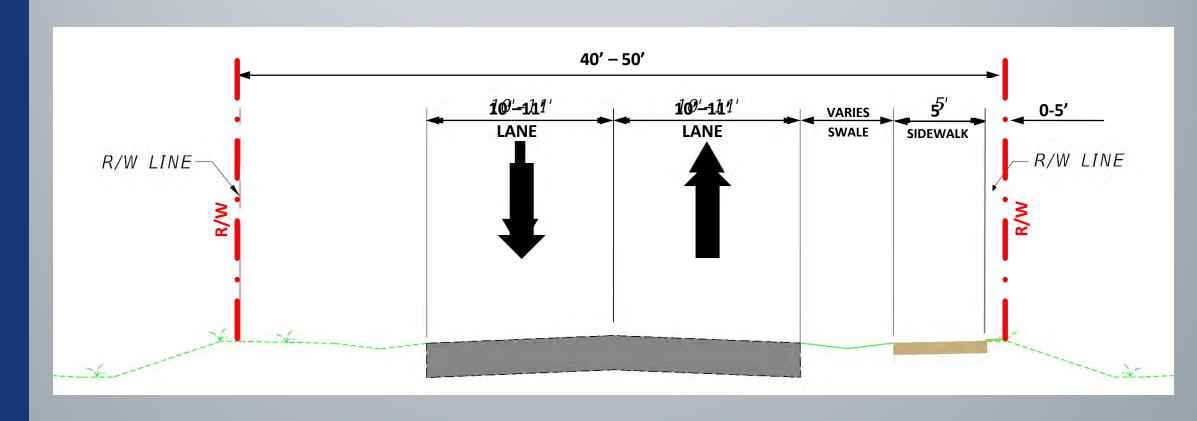


Typical Section 2





Typical Section 3





4. City of Oakland Park Encroachment Coordination



- Relocate Right of Way encroachments prior to construction
- Landscape impacts



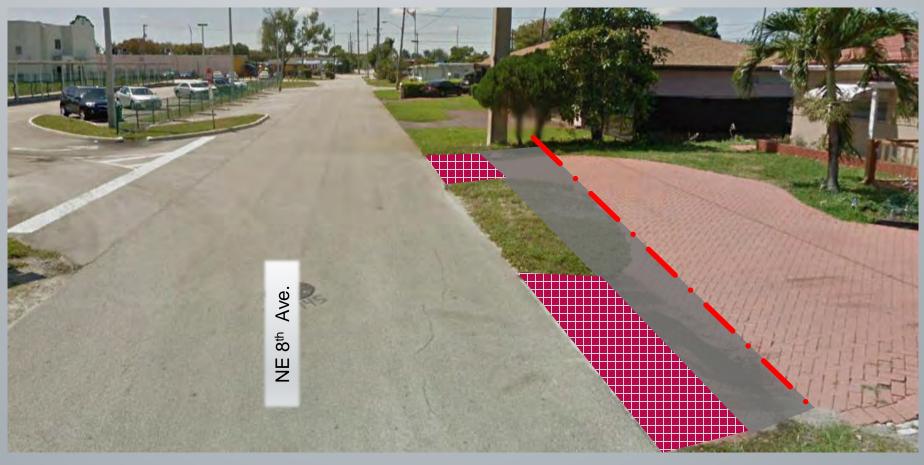


- Private fence impacts
 - City coordinating with property owner





- Driveway reconstruction to install sidewalks
- Impacts to decorative driveways with pavers, patterned concrete, etc.
 - Reinstall pavers, match stamped conc.





- Minimize impacts to existing parking spaces
- On-street parallel parking in shoulder/swale will be replaced with Sidewalk
- Pull in parking encroaching into Right of Way may conflict with sidewalk
 - City coordinating with property owners





- Mailboxes within limits of construction
- Can be relocated outside of Right of Way by owner prior to construction
- FDOT contractor will replace any existing mailboxes in conflict with construction with standard mailboxes





5. Temporary Traffic Control Plan



Temporary Traffic Control Plan

- All work will be done in phases to reduce construction impacts to the community.
- No full road closures or detours.
- Single lane closures will occur between the hours of 9:00 AM 3:30 PM (weekdays and weekends).
- Access to private properties will always be maintained during construction.



6. Project Schedule and Cost



Project Schedule and Cost

Construction Cost Estimate: \$2 Million

Final Design Completion: August 2021

Letting Date: December 2021

• Construction Start: Spring 2022

Anticipated Completion: Fall 2023



7. Questions and Answers



8. Contact Information



Contact Information

If you have additional questions, please contact:

DRMP Inc. Consultant Project Manager: Evhen Kyj, P.E.

Email: ekyj@drmp.com

Phone: 561-757-2307 (office) Phone: 610-745-0722 (cell)

FDOT Project Manager: Helen James, P.E.

Email: Helen.James@dot.state.fl.us

Phone: 954-777-4346

Phone: 866-336-8435; Ext. 4346 (Toll Free)

City of Oakland Park Project Manager: Andre Eugent

Email: <u>Andree@oaklandparkfl.gov</u>

Phone: 954-630-4401







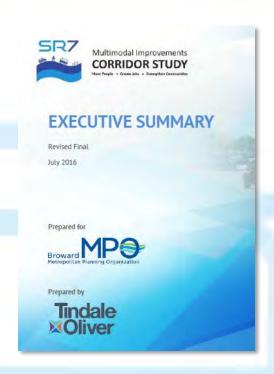


SR7/US-441, Transit Corridor

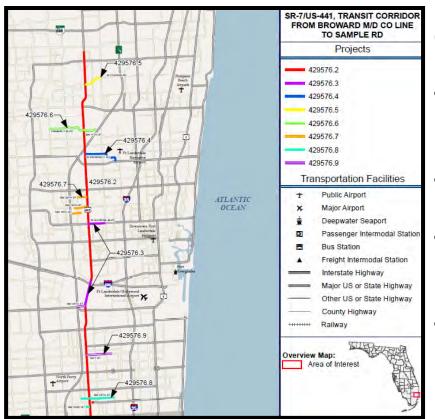
Briefing

Bicycle and Pedestrian Advisory Committee

May 12, 2021

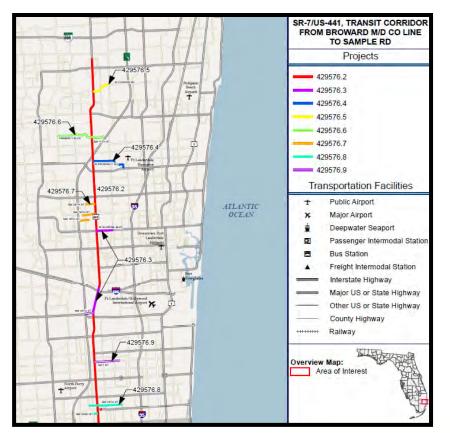






Quick Facts SR 7 Study Area

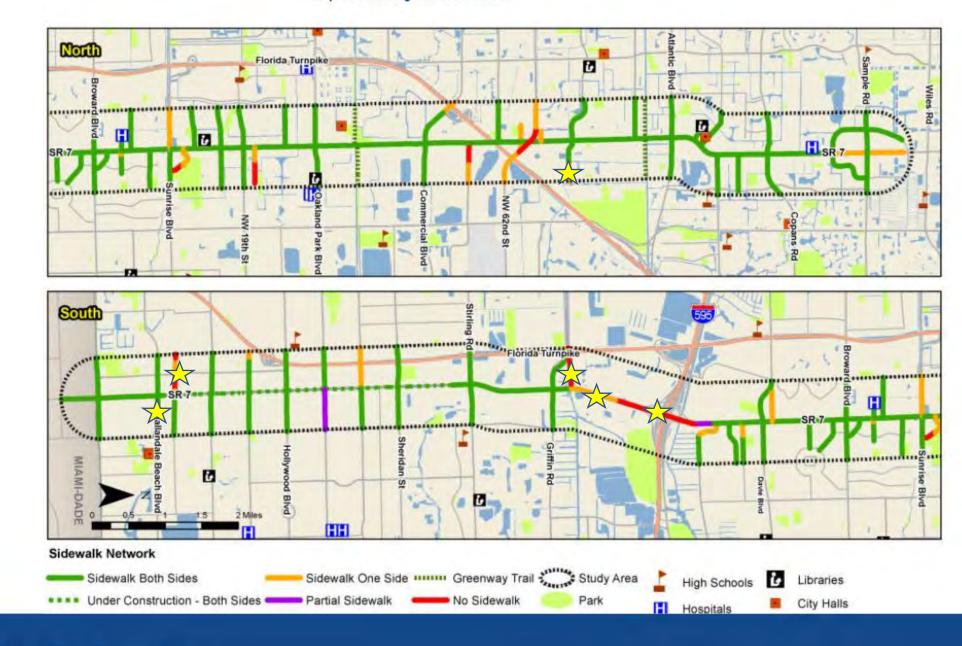
- Mile-wide corridor centered on SR 7 from south of the Miami-Dade County Line to North of Sample Road.
- Impacts 15 cities, unincorporated Broward County, and the Seminole Tribe of Florida.
- Has the highest transit ridership of any corridor in Broward County with over 20,000 transit riders per day.
- Need was identified in Commitment 2040,
 Broward's Long Range Transportation Plan





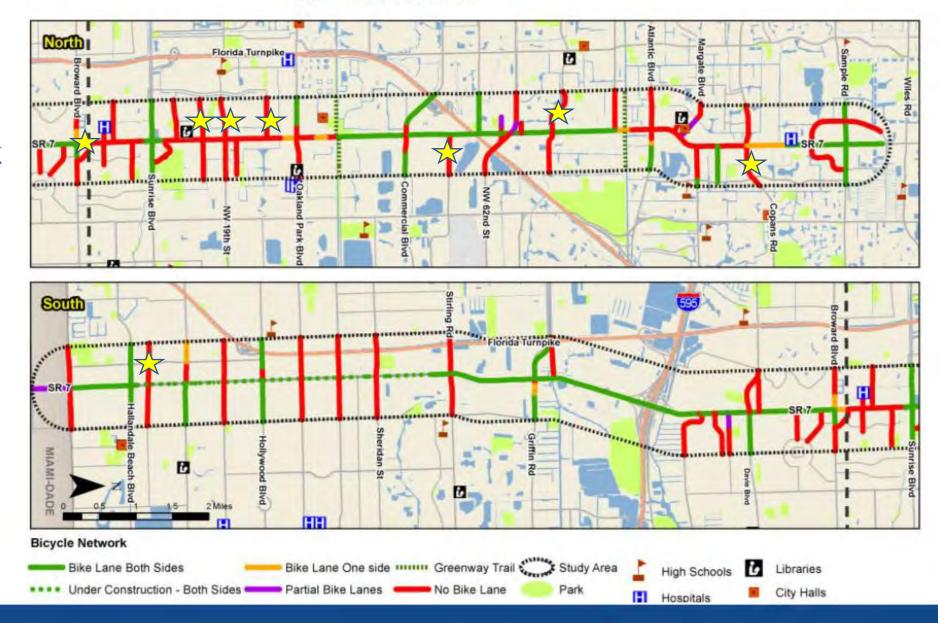
- To enhance the transit passenger, bicycle and pedestrian experience, through mobility and safety improvements along SR-7.
- Improvements were developed in SR-7 Corridor study 429576-1, <u>www.ImproveSR7.org</u> (Approved by Broward MPO July 14 2016, Improvements were grouped into 3 groups of recommendations.)
- Project Advisory Committee 3 groups of Recommendation
 - Short-term corridor-wide Safety improvements
 - Mid-term pedestrian/bicycle network improvements
 - Longer-term safety and operational improvements at Mobility Hubs and Major Intersections

SR 7 Corridor Study 2015 Pedestrian network

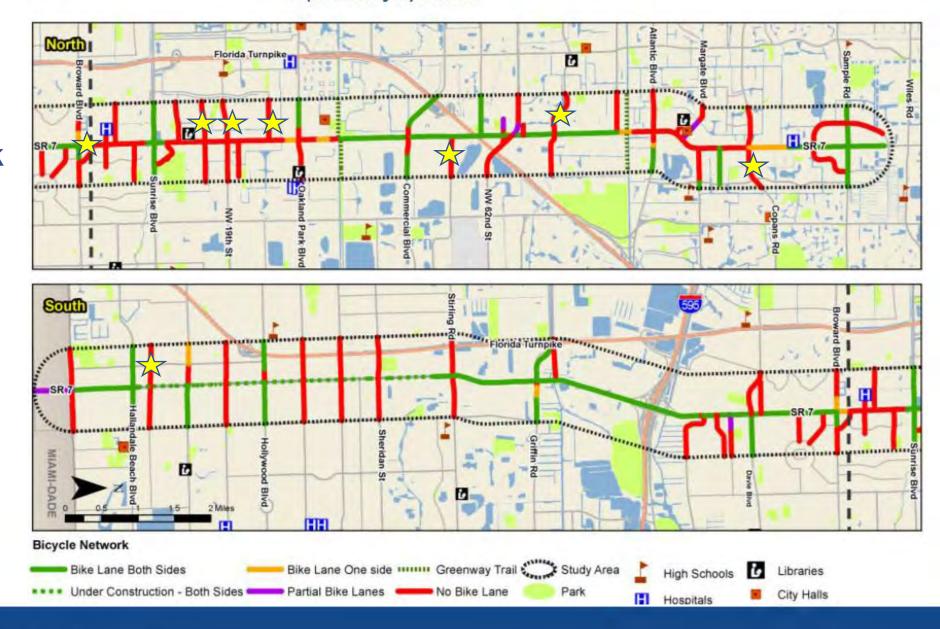




SR 7 Corridor Study 2015 bicycle network



SR 7 Corridor Study 2015 bicycle network



SR 7 Corridor Study Short-term pedestrian/bicycle safety improvements

SR 7/US 441 from Broward Miami-Dade County Line to North of Sample Road

Project 429576-2

Production: June 2021 Letting: September 2021

Construction estimate: 4.1 Million



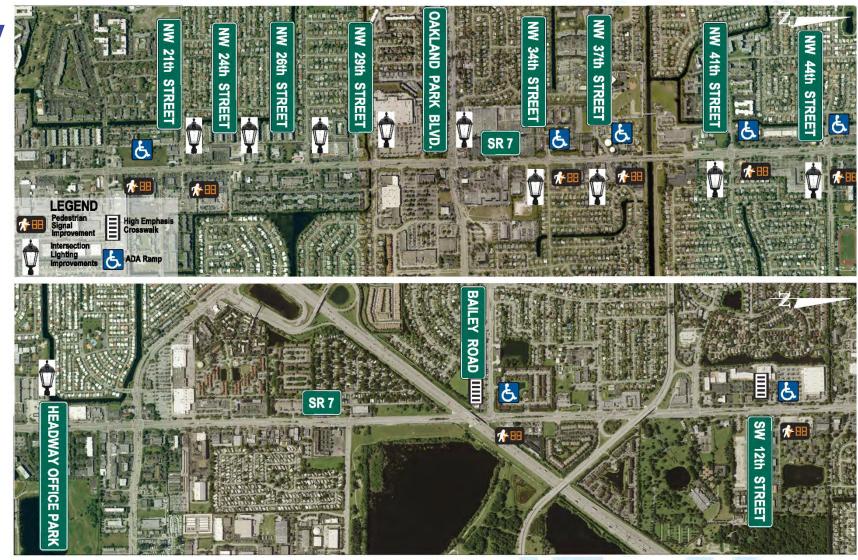
SR 7 Corridor Study Short-term pedestrian/bicycle safety improvements

SR 7/US 441 from Broward Miami-Dade County Line to North of Sample Road

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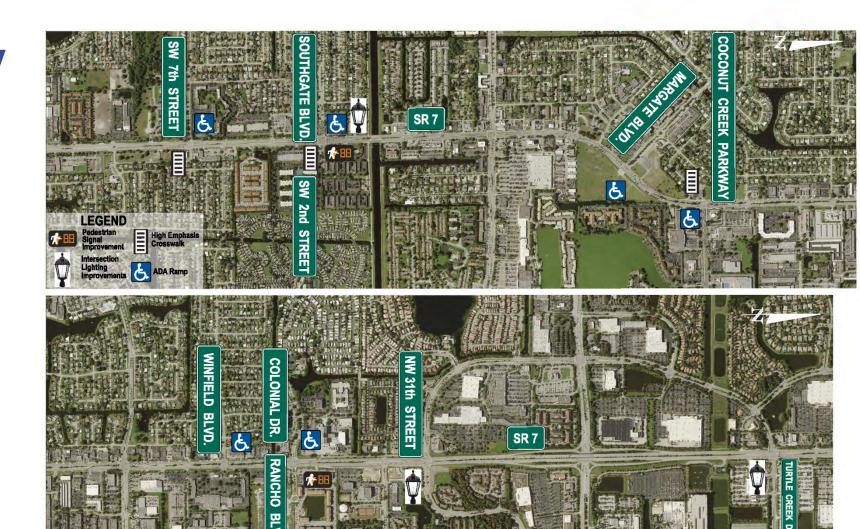
SR 7 Corridor Study Short-term pedestrian/bicycle safety improvements

SR 7/US 441 from Broward Miami-Dade County Line to North of Sample Road

Project 429576-2

Production: June 2021 Letting: September 2021

Construction estimate: 4.1 Million





Short-term pedestrian/bicycle safety improvements

SR 7/US 441 from Broward Miami-Dade County Line to North of Sample Road Project 429576-2



Hallandale Beach Blvd. Proposed





Short-term pedestrian/bicycle safety improvements

SR 7/US 441 from Broward Miami-Dade County Line to North of Sample Road Project 429576-2



SR-7 From Southgate Blvd. to Cypress Green Way Proposed





Short-term pedestrian/bicycle safety improvements

SR 7/US 441 from Broward Miami-Dade County Line to North of Sample Road Project 429576-2

BROWARD TO THE STREETS

Better Streets - Better Broward - Better Life

Mid-block crossing at SR-7 and NW 3^{RD.} ST.

Proposed





Mid-term pedestrian/bicycle Network improvements

Project 429576-3

Production: November 2023

Letting: July 2024

APP Letting: February 2024

Construction estimate: 2.9 Million

Shared use path on east side of SR-7 road, Oakes to New River Greenway





New Sidewalk on east side of SR-7, 45th St to Oakes Shared use path along North Fork New River, SR-7 to MLK



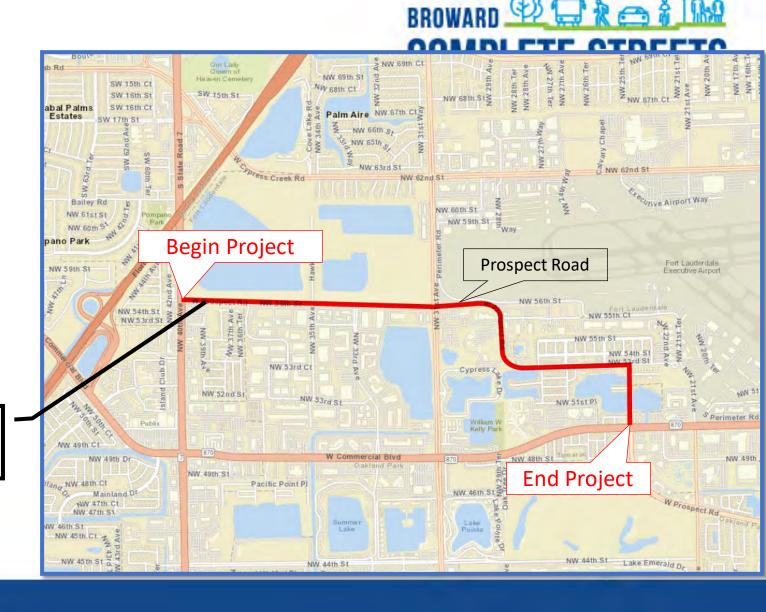
Project 429576-4

Production: December 2021

Letting: April 2022

Construction estimate: 4.6 Million

Prospect Road from SR 7/US 441 to SR 870/Commercial Boulevard



Project 429576-4

Production: December 2021

Letting: April 2022

Construction estimate: 4.6 Million



NATURAL GROUND

Prospect Road from SR 7/US 441 to SR 870/Commercial Boulevard



Project 429576-5

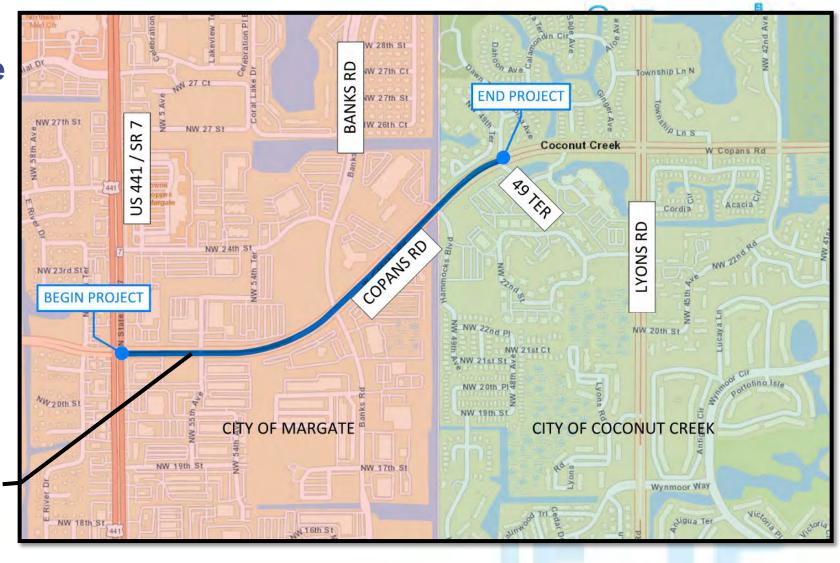
Production: April 2022

Letting: July 2023

APP Letting: August 2022

Construction estimate: 3 Million

Copans Road Raised separated bike facility, from SR 7/US 441 to NW 49th Terrace



Project 429576-5

Production: April 2022

Letting: July 2023

APP Letting: August 2022

Construction estimate: 3 Million

Copans Road Raised separated bike facility, from SR 7/US 441 to NW 49th Terrace





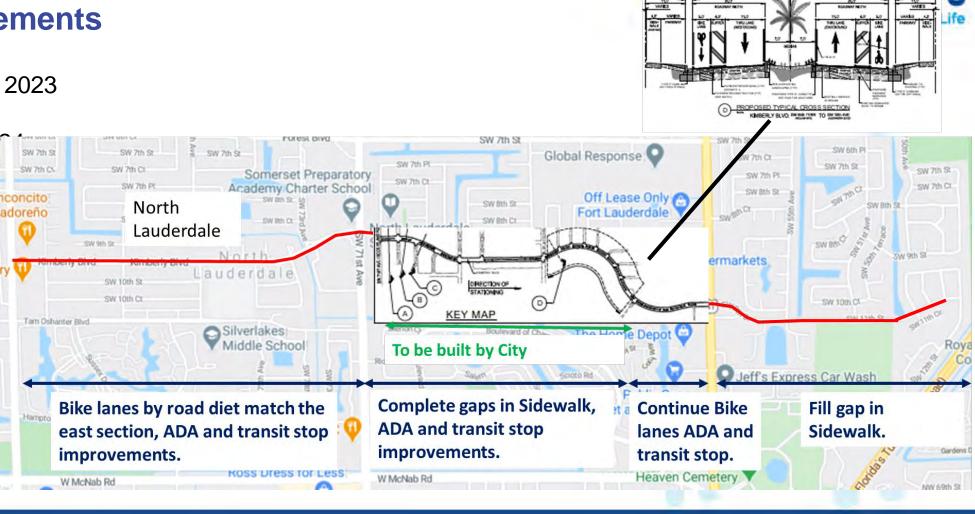
Project 429576-6

Production: December 2023

Letting: July 2024

APP Letting: March 201

Construction estimate:



Project 429576-7

Production: July 2023

Letting: Outside 5-year WP

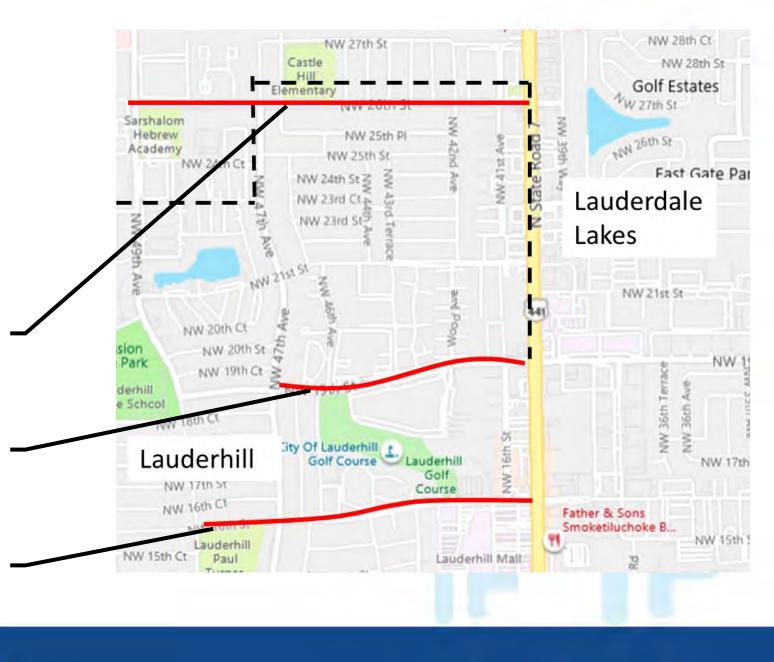
APP Letting: FY 2024 (CARES act)

Construction estimate: 3.4 Million

Bike Lanes on NW 26th St (from NW 49th Ave to SR 7)

Bike Lanes on NW 19th St (from NW 49th Ave to SR 7)

Bike Lanes on NW 16th St (from NW 49th Ave to SR 7)



Project 429576-8

Production: July 2023

Letting: Outside 5-year WP

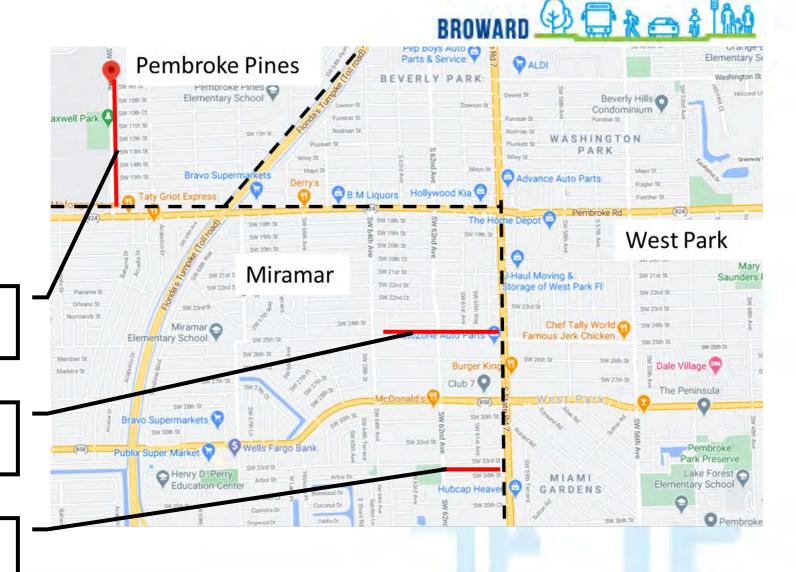
APP Letting: FY 2024 (CARES act)

Construction estimate: NA

Sidewalk on east side SW 72nd Ave from Pembroke Rd to SW 9th

Sidewalk on north side of SW 25th ST from SW 64th to SR 7

Sidewalk on both sides of SW 33rd ST from 62nd Av to SR 7





Project 429576-8

Production: July 2026

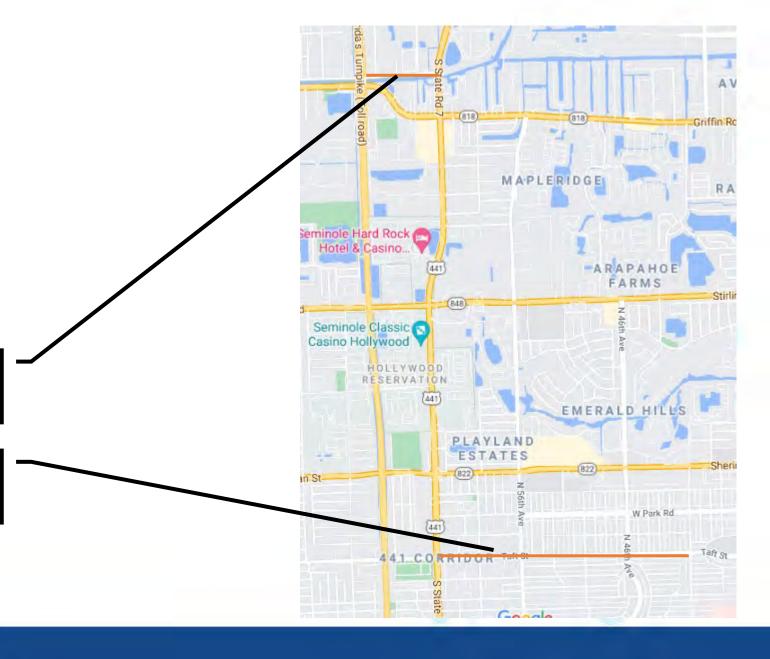
Letting: Outside 5-year WP

APP Letting: FY 2024 (CARES act)

Construction estimate: 2.5 Million

Sidewalk on north side SW 45th St from Turnpike to SR-7

Bike Lanes on Taft St SR 7 to N 40th Ave





Robert Lopes, P.E.

Florida Department of Transportation (FDOT)

Consultant Project Manager

(954)-777-4425

Robert.Lopes@dot.state.fl.us





Presentation to Broward County Bicycle and Pedestrian Advisory Committee (BPAC)

- Project 436196-1-52-01: Kenzot Jasmin, P.E., FDOT
- Project 441578-1-52-01: Carlos Benavides, P.E., Project Manager
 & EOR for WSP USA Inc.
- Project 435808-5-52-01: Anthony Jorges, P.E., Project Manager for BCC Engineering

PROJECT 1

SW 40th Ave. Mobility

From Stirling Road to Griffin Road | FM# 436196-1-52-01

Project Location and Scope



SW 40th Avenue From Stirling Road to Griffin Road | FM# 436196-1-52-01











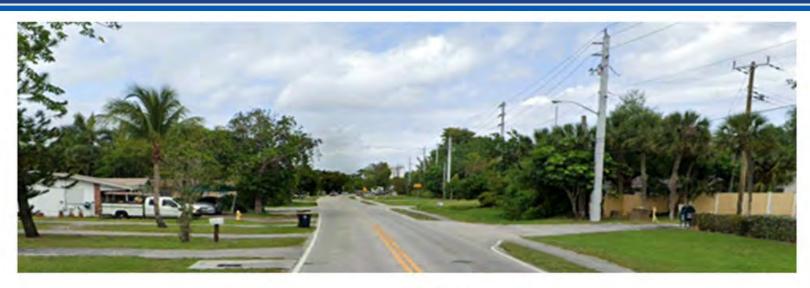
SW 40th Avenue From Stirling Road to Griffin Road | FM# 436196-1-52-01 Proposed Improvements:

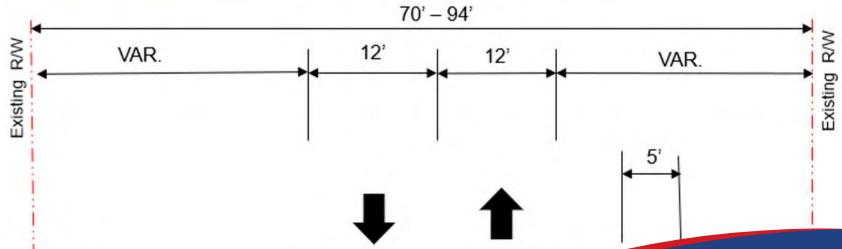
- Minor widening to accommodate bike lane and sidewalk
- Milling & Resurfacing for striping purposes
- Pavement cross slope correction
- Minor drainage improvement to account for additional impervious area
- Upgrade signing and pavement markings

Project Length: 1.1 mile



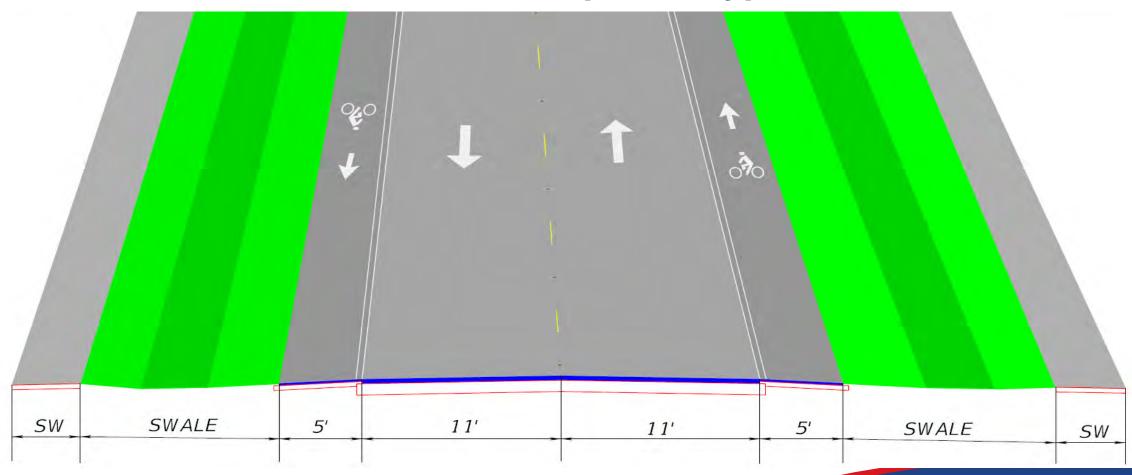
SW 40th Ave. Existing Typical



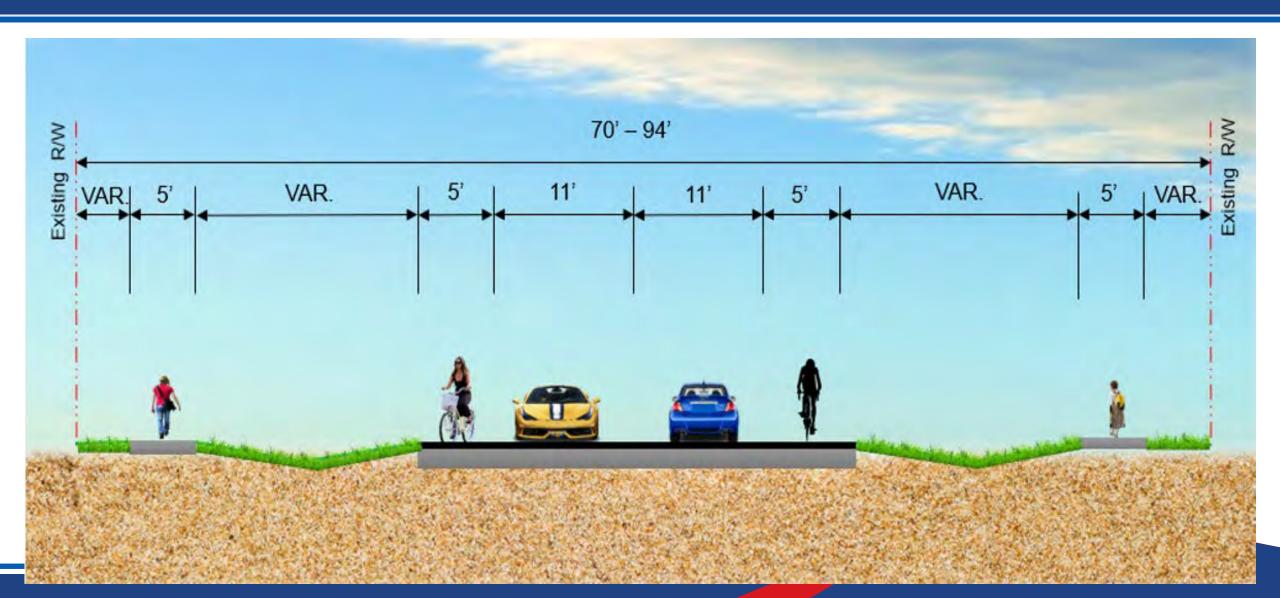




SW 40th Ave. Proposed Typical



SW 40th Ave. Proposed Typical





Schedule and Cost

- Design Completion March 2021
- Open Bid May 26, 2021
- Construction Start Date Fall 2021

Estimated Construction Cost - \$3.4 million



PROJECT 2

SW 64th Avenue From SW 35th Street to Pembroke Road 441578-1-52-01







Project Location and Project Scope

Project Limits SW 64th Avenue from SW 35th St to Pembroke Road

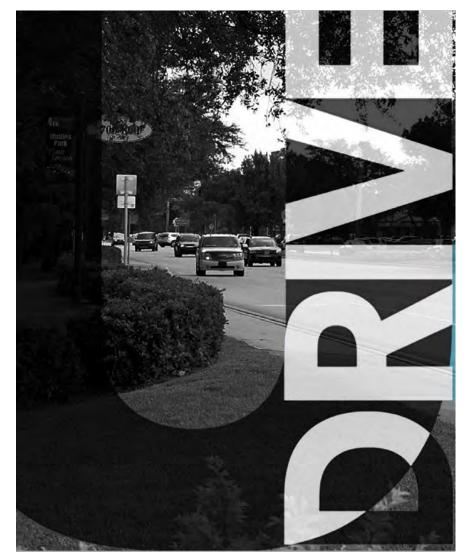


Project Scope

Proposed Improvements:

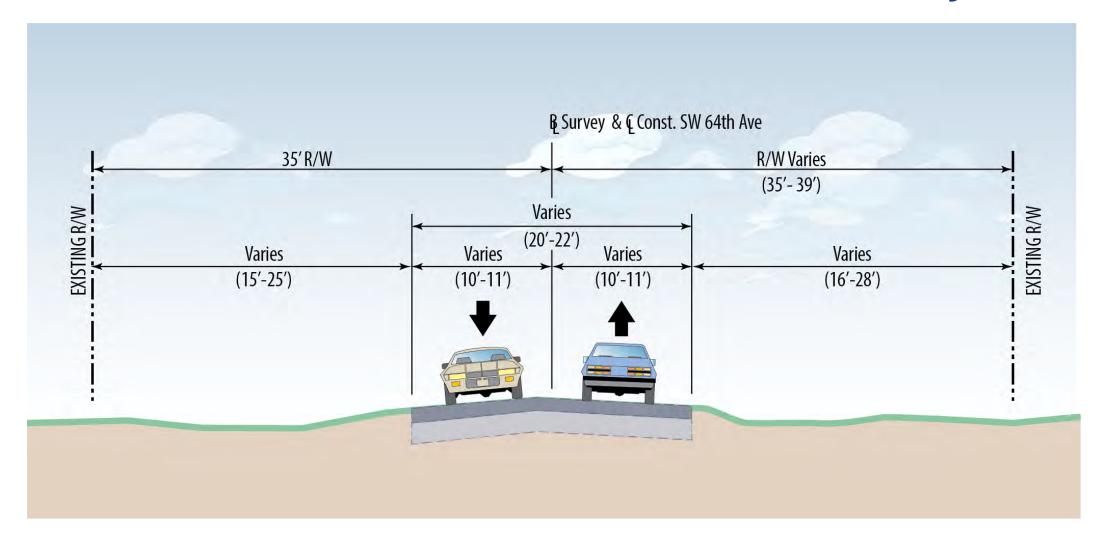
- Off system project within the City of Miramar.
- Milling, Resurfacing and Overbuild of the existing pavement
- Construct an 8' concrete sidewalk along the Northbound Direction
- Construct a 6' concrete sidewalk along the Southbound Direction
- Installation of French drains and regrading of swales to ensure proper drainage conveyance
- Relocation of impacted drainage structures
- Upgrade signing and pavement markings

Project Length: 1.142 miles

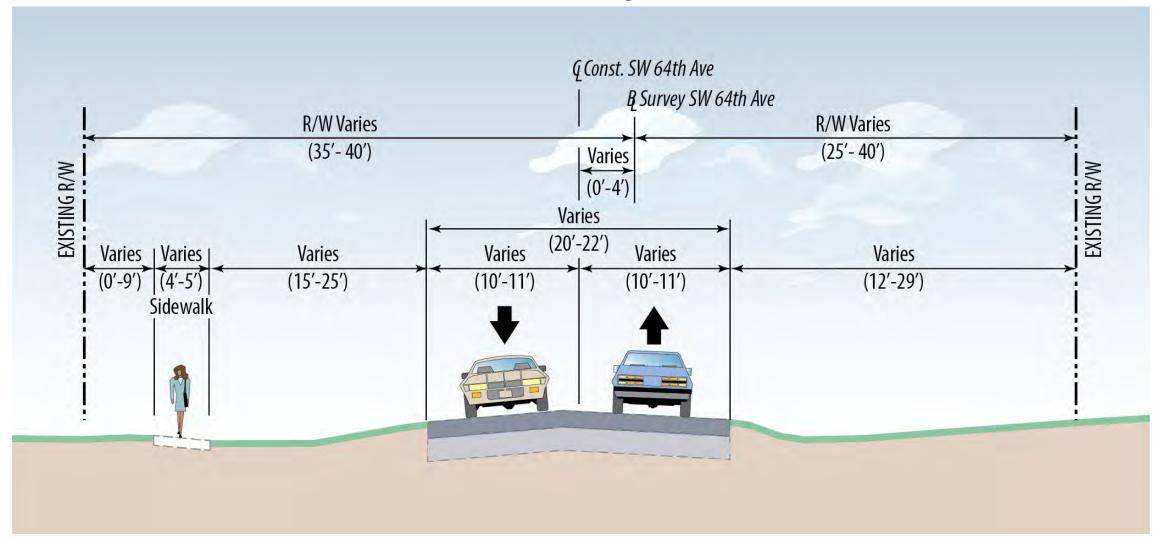


Existing Roadway

Existing Roadway From SW 35th Street to Miramar Parkway

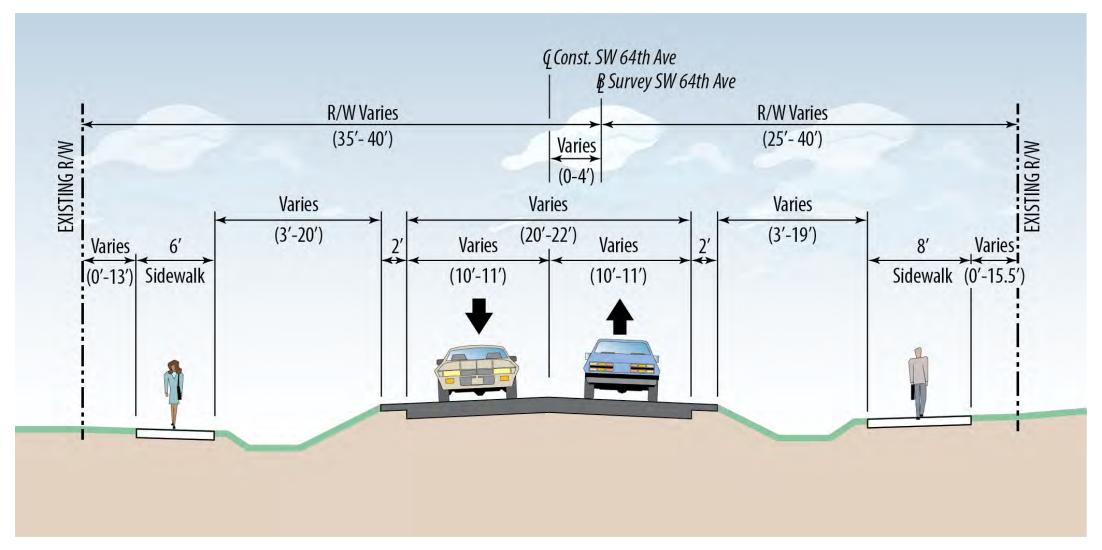


Existing Roadway From Miramar Parkway to Pembroke Rd



Proposed Improvements

Proposed Improvements From SW 35th Street to Pembroke Road



Project Scheduleand Cost

Project Schedule and Cost

Plans Production:

Biddability Plans: July 2021

Production Plans: December 2021

Letting: March 2022

Estimated Construction Start: Summer 2022

Estimated Completion: Summer 2023

Estimated Construction Cost: \$2.13 Million





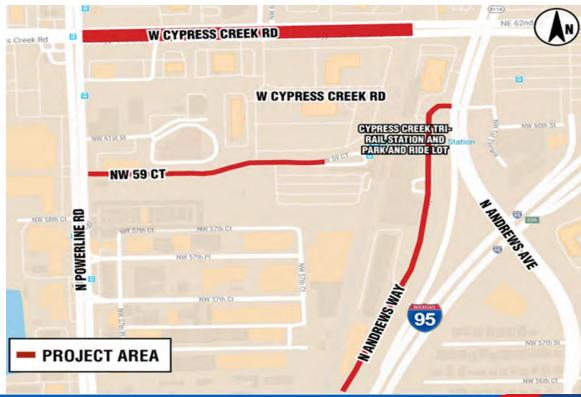
PROJECT 3

Mobility Hub At Cypress Creek Road

435808-5-52-01







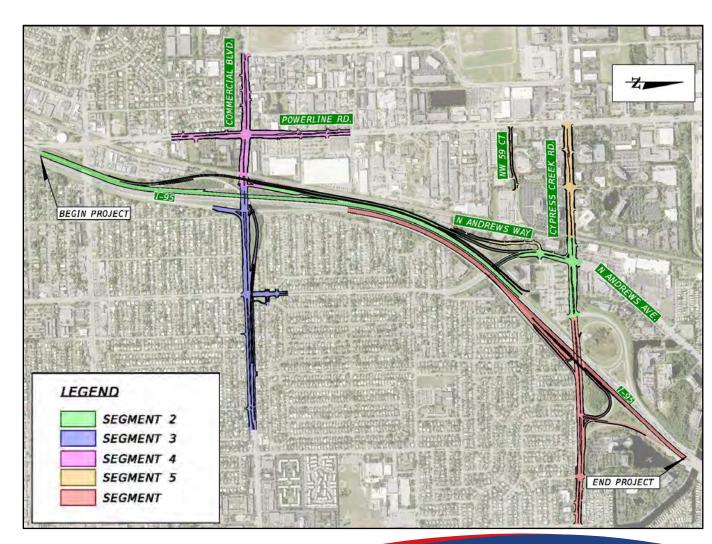


Project Location and Project Background

Background

Mobility Hub at Cypress Creek Rd. 435808-5-52-01

- Overall Project addresses I-95 interchanges at Commercial Blvd. and Cypress Creek Rd.
- Increase capacity and improve traffic operations and safety
- The project was split into 5 (Segments 2, 3, 4, 5, 7)
- Segment 5 = Mobility Hubs



Project Location

- Cypress Creek Road from Powerline Road to SFRTA Railroad tracks
- N Andrews Way
- NW 59th Court



Proposed Improvements

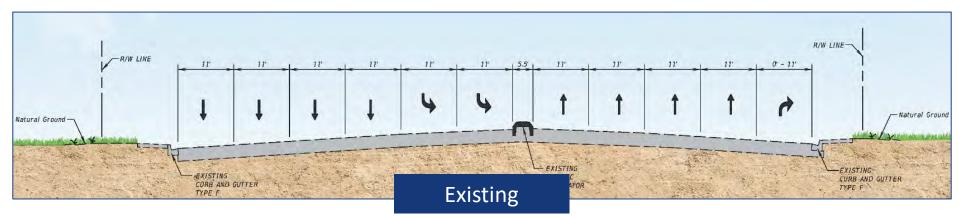


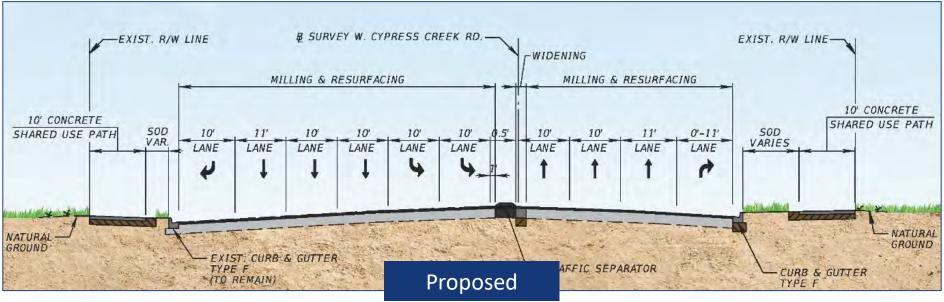
Project Scope



- Cypress Creek Road
 - Resurfacing and minor widening
 - Shared use path along both sides
 - Landscaping
- N Andrews Way
 - Resurfacing
 - New sidewalk along both sides
 - Tri-rail entry pylon
- NW 59th Court
 - Resurfacing and new curb and gutter
 - Shared use path (south side) sidewalk (north side)
 - Tri-rail entry pylon

Cypress Creek Road Typical Sections



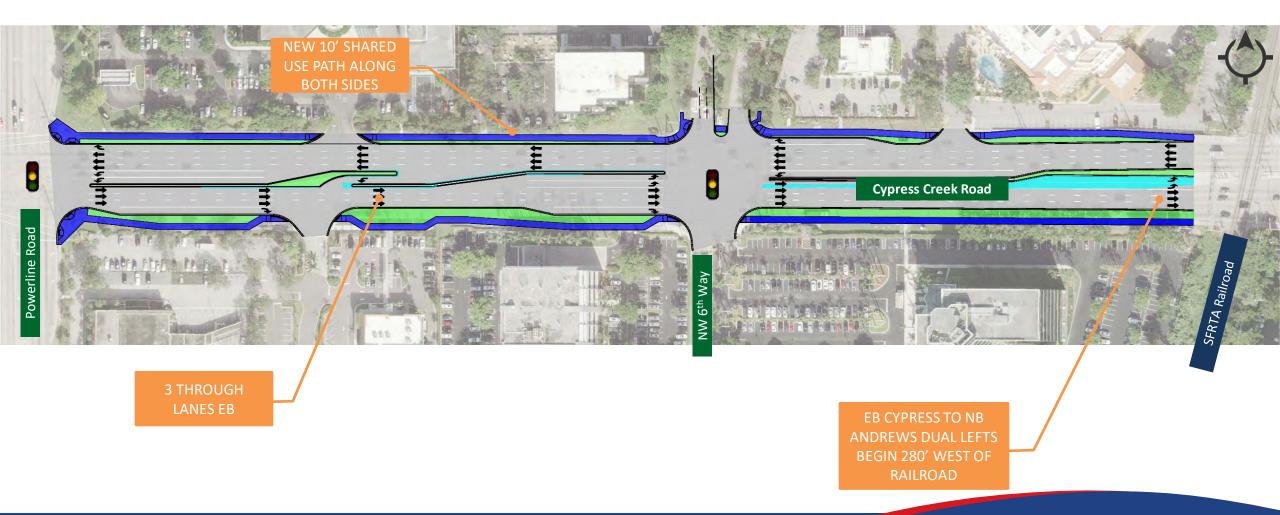


from Powerline Road to SFRTA Railroad

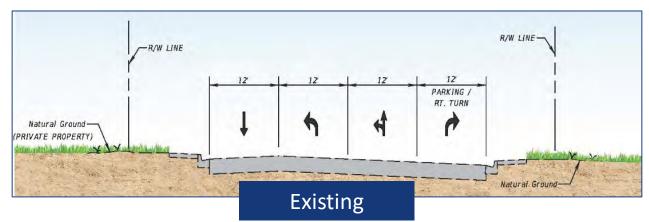
Cypress Creek Road Existing Conditions

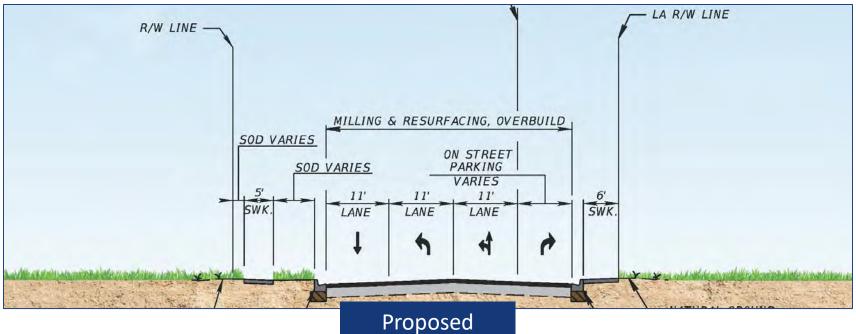


Cypress Creek Road Proposed Conditions

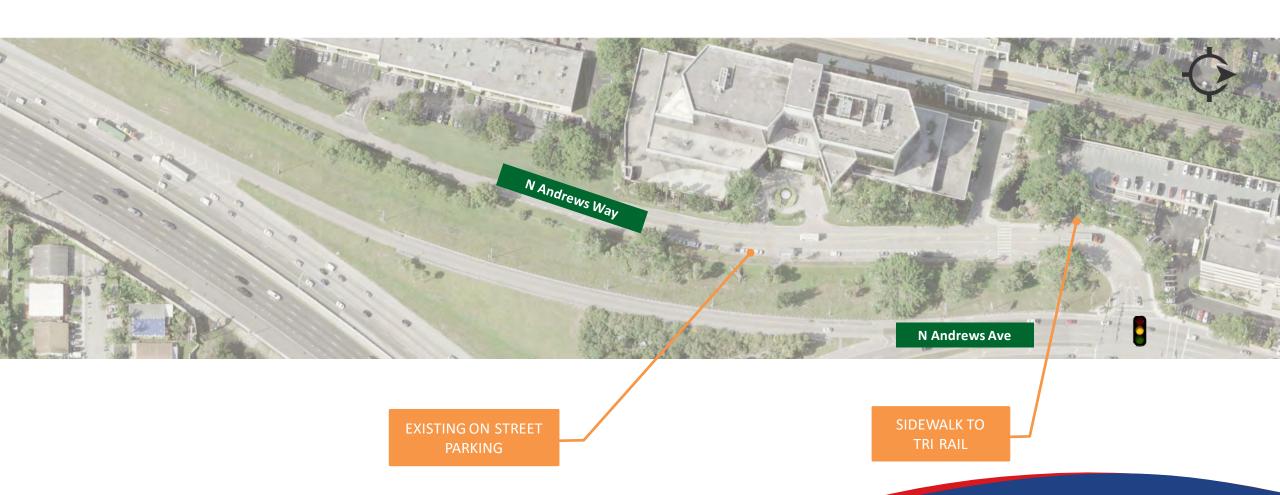


N Andrews Way Typical Sections

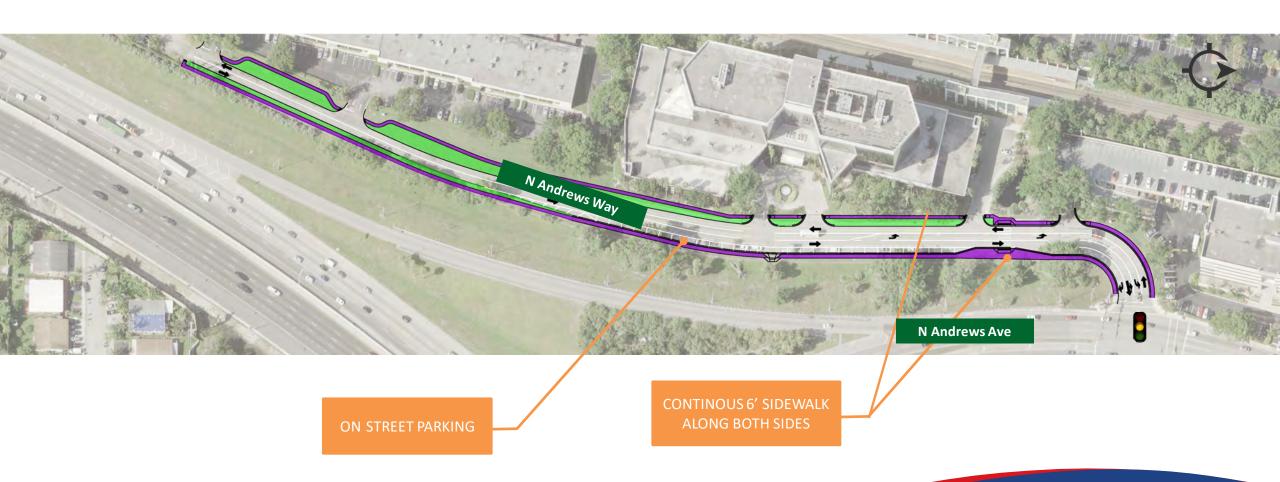




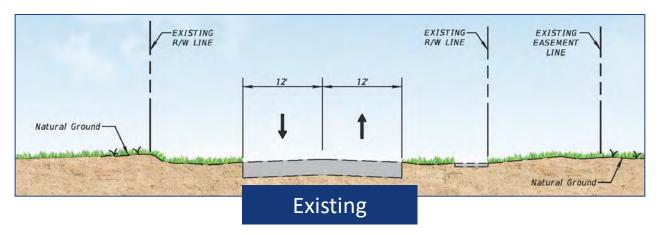
N Andrews Way Existing Conditions

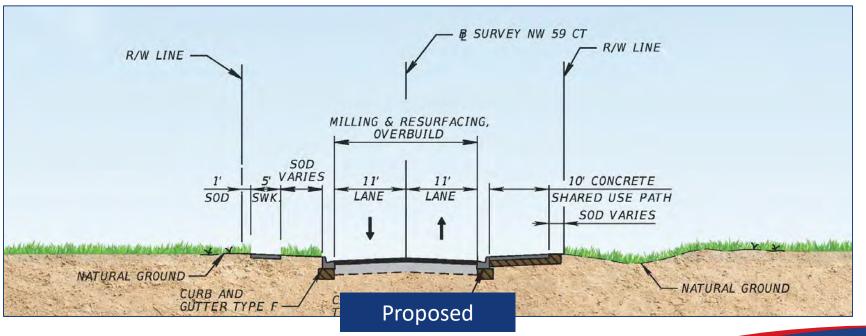


N Andrews Way Proposed Conditions



NW 59 Court Typical Sections

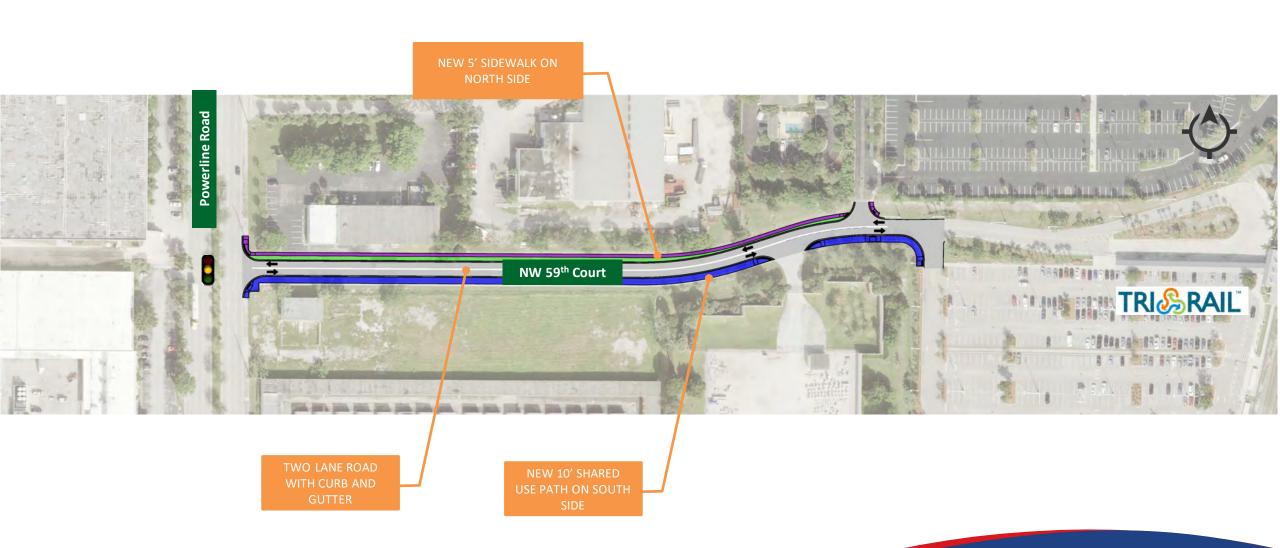




NW 59 Court Existing Conditions



NW 59 Court Proposed Conditions



Project Schedule and Cost



Schedule/Cost



- Currently in design
 - Initial completed
 - Constructability ongoing
- Design Completion Fall 2022
- Construction Start Date Spring 2024
- Estimated Construction Cost \$4.8 million

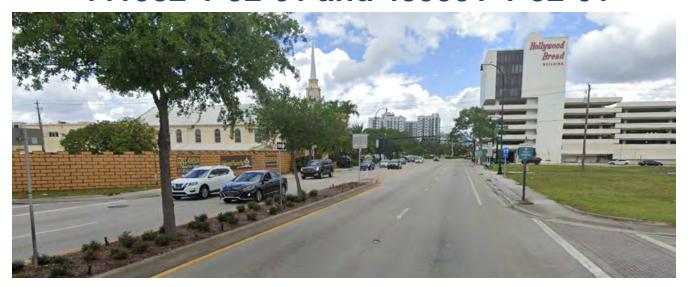


Thank you



State Road (SR) 5/US-1/Federal Highway

From SR 824/ Pembroke Road to Johnson Street and From Johnson Street to SR 822/Sheridan Street 441582-1-52-01 and 439991-1-52-01





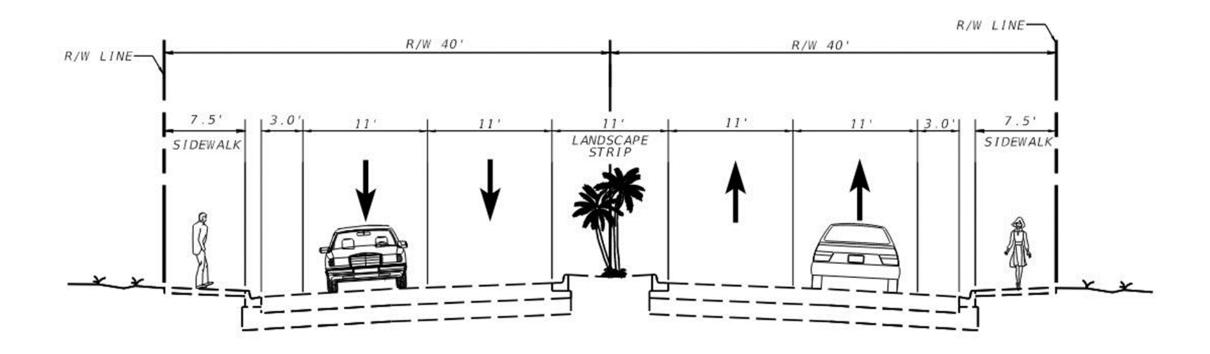
Project Location and Overview

Project Limits SR 824/Pembroke Road to SR 822/Sheridan Street



Existing Roadway

Existing Roadway Typical Sections



Proposed Improvements

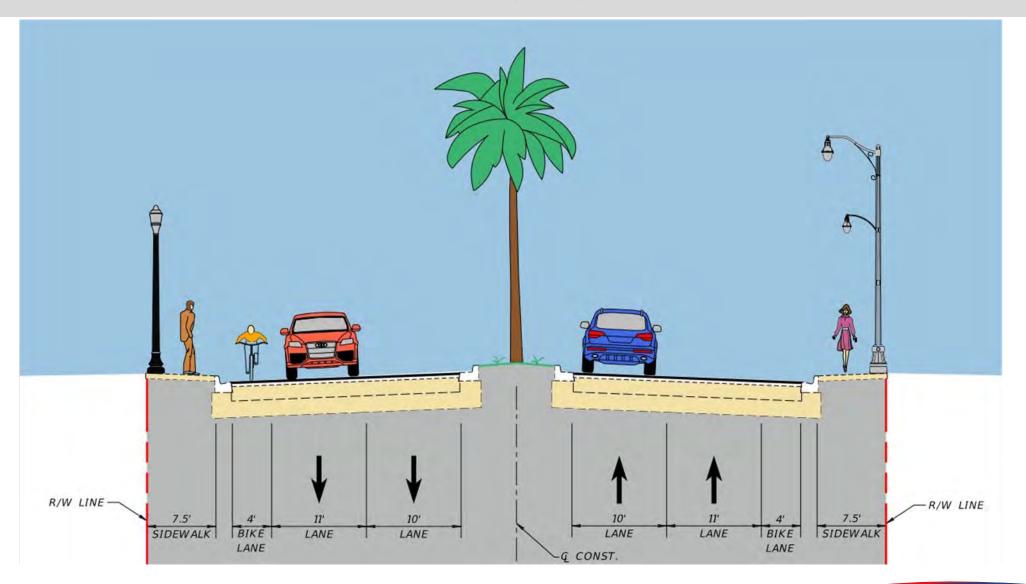
Project Overview

Proposed Improvements:

- Provide 4' bicycle lanes by resurfacing roadway
- Replace existing lighting with LED fixtures
- Install new pedestrian LED light posts
- Improve lighting at signalized intersections to meet safety requirements including intersections at Harrison Street and Tyler Street
- Install new stamped asphalt crosswalks in all approaches at signalized intersections
- Install concrete pavers on sidewalks from Monroe Street to Young Circle and from Young Circle to Fillmore Street
- Install tree grates
- Upgrade signing and pavement markings
- Upgrade pedestrian signals

Project Length: 2.62 miles

Proposed Roadway Typical Sections



Installation of 4' Bicycle Lanes

- Provide 4' along both directions
- Green-colored pavement to increase driver awareness at conflict locations





Lighting & Signalization Improvements



- Replacement of existing luminaires along the corridor with LED lightsLighting retrofits at existing signalized
- intersections to improve visibility
- New pedestrian light poles along both sidewalks



 Replacement of pedestrian push-buttons and signal heads to meet ADA

Temporary Traffic Control Plan

Temporary Traffic Control Plan

- Work will be completed in phases to minimize construction impacts
- Single lane closures will be required during construction along US 1 and some of the side streets
- No full roadway closures will be required
- Lane closures will occur during off peak traffic times
- Access to properties adjacent to the corridor will be maintained throughout construction

Project Scheduleand Cost

Project Schedule and Cost

Plans Production:

90% Plans: August 2021

100% Plans: October 2021

Letting: February 2022

Estimated Construction Start: Summer 2022

Estimated Completion: Winter 2023

Estimated Construction Cost: \$7.7 Million



Questions and Answers



Contact Information

If you have additional questions, please contact Vandana Nagole, P.E. – FDOT Project Manager at:

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Thank you!

