

# SW 10TH ST. CONNECTOR

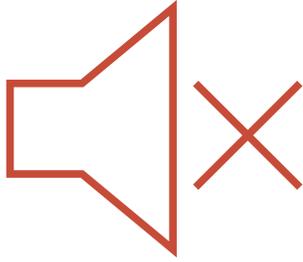
**FDOT DISTRICT 4**

**INDUSTRY FORUM**  
**August 1, 2023**

Vanita Saini, PE  
FDOT Project Manager  
FPIDs: 436964-2, 439891-1, and 439891-5



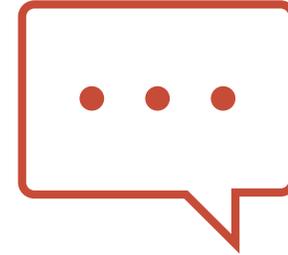
# Ground Rules



Please mute the microphone.



Hold all questions until end of the presentation.



Please submit all questions in the MS Teams Chat.

# Presentation Outline

- DBE Specialized Program
- SW 10<sup>th</sup> Street Connector Project Summary
- Scope of Planned Improvements
- Phased Design-Build Delivery
- Procurement Process and Schedule
- Next Steps

# **DBE Specialized Program**

# Current Situation

- Why SW 10<sup>th</sup> Street Connector?
  - Original design vs. today's use
  - Safety and mobility needs of local and regional users
  - Quality of life and accessibility impacts
  - Movement of goods and services impacted by current corridor

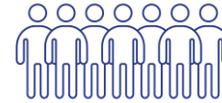


# Project Goals

The Design-Build Firm shall progress, optimize, innovate, deliver, and construct the Project consistent with the Department's goals.



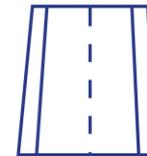
Connectivity



Stakeholder Collaboration



Expedite Priority Construction



Minimal Disruption

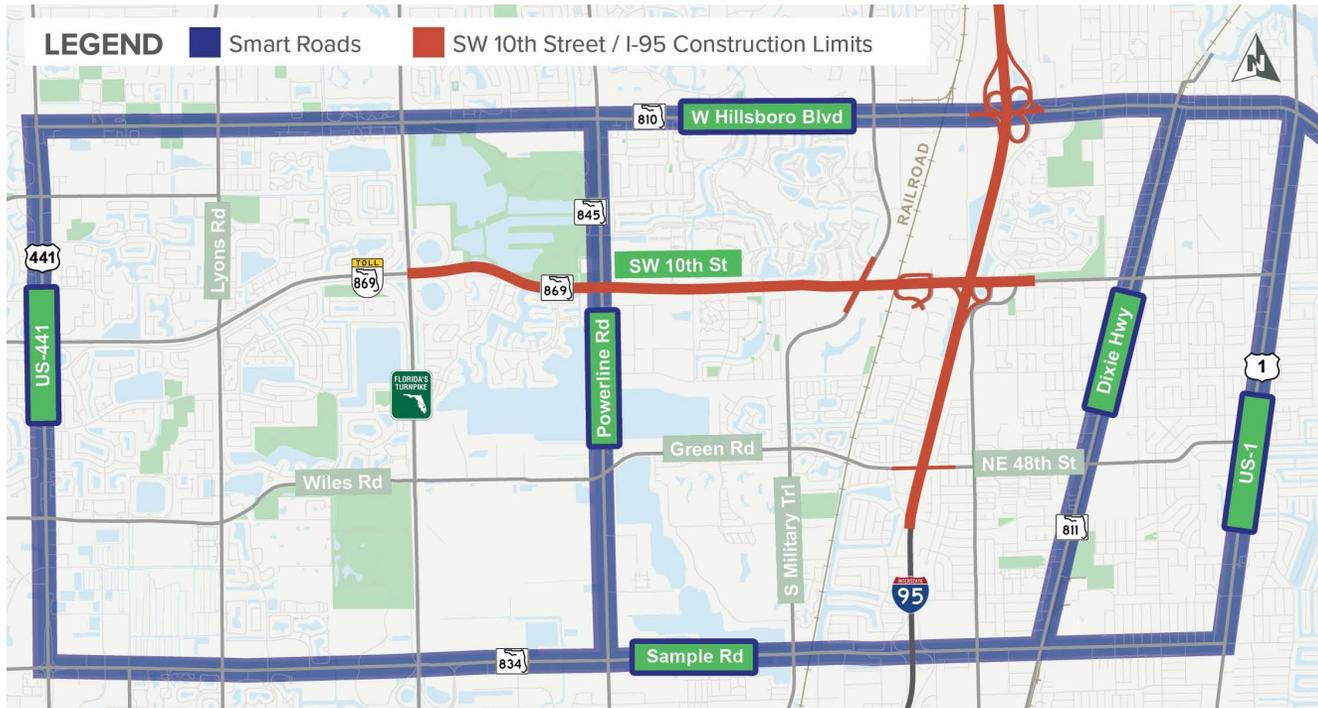


Safety

**Please refer to the RFQ for a full list of Project Goals**

# SW 10<sup>th</sup> St TSM&O (439891-5)

- Objective is to support safety and mobility within the vicinity of the SW 10th Street Connector and Local SW 10th Street roadways, and regional arterial traffic operations during and after construction
- Construction will be expedited through early Work Packages



Smart Work Zones Will be Built-Out With Technology to:

Help Motorists Make Informed Decisions on the Most Efficient Route Through and Around the Work Zone

Advise of Potential Congestion and Major Construction Activities in Advance

# PROJECT OVERVIEW VIDEO LINK



Click on logos above to view the video.

# Scope of Planned Improvements

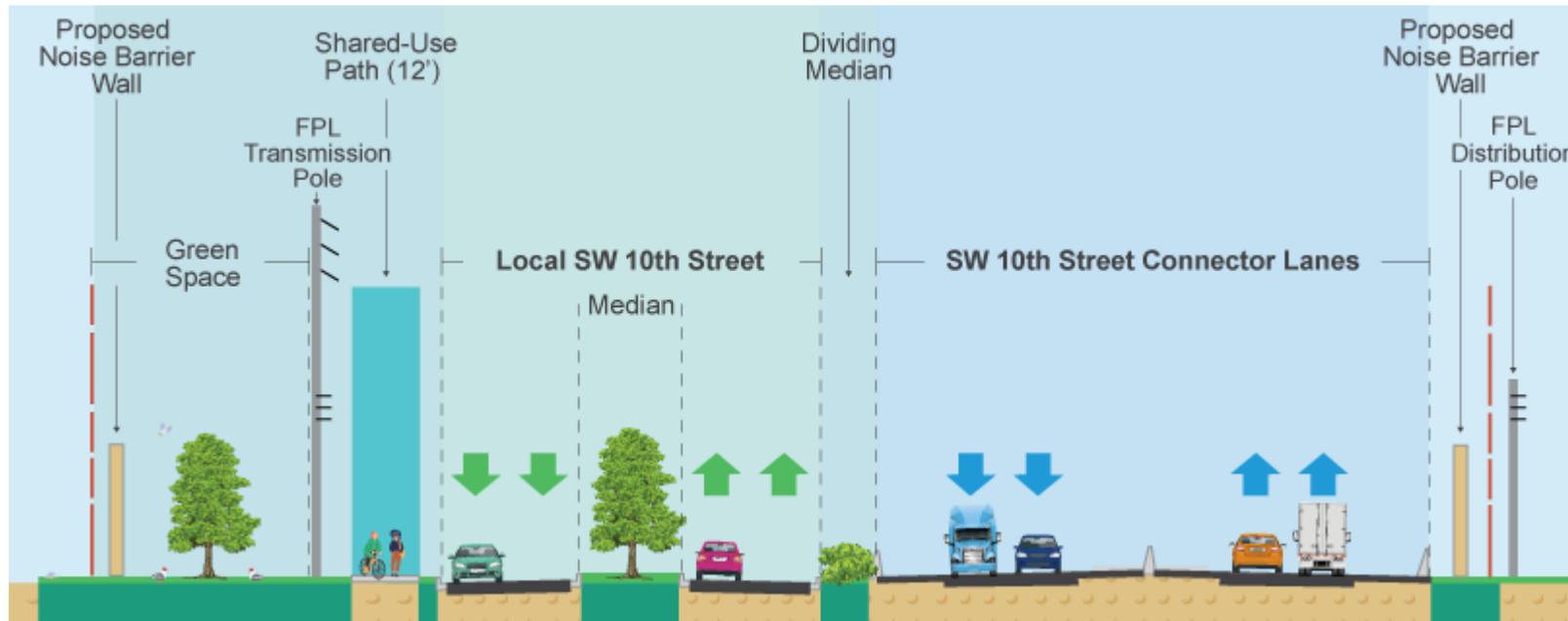
# SW 10th Street Connector - Roadway

## 1 Local SW 10<sup>th</sup> Street

- Access for all Businesses and Residential Communities
- Lower Speed
  - (35 mph)
- Bicycle and Pedestrian Facilities

## 2 SW 10<sup>th</sup> Street Connector Lanes

- Regional Connection
- Higher Speed
  - (60 mph)
- Limited Access (No Tolls)
- Trucks Allowed

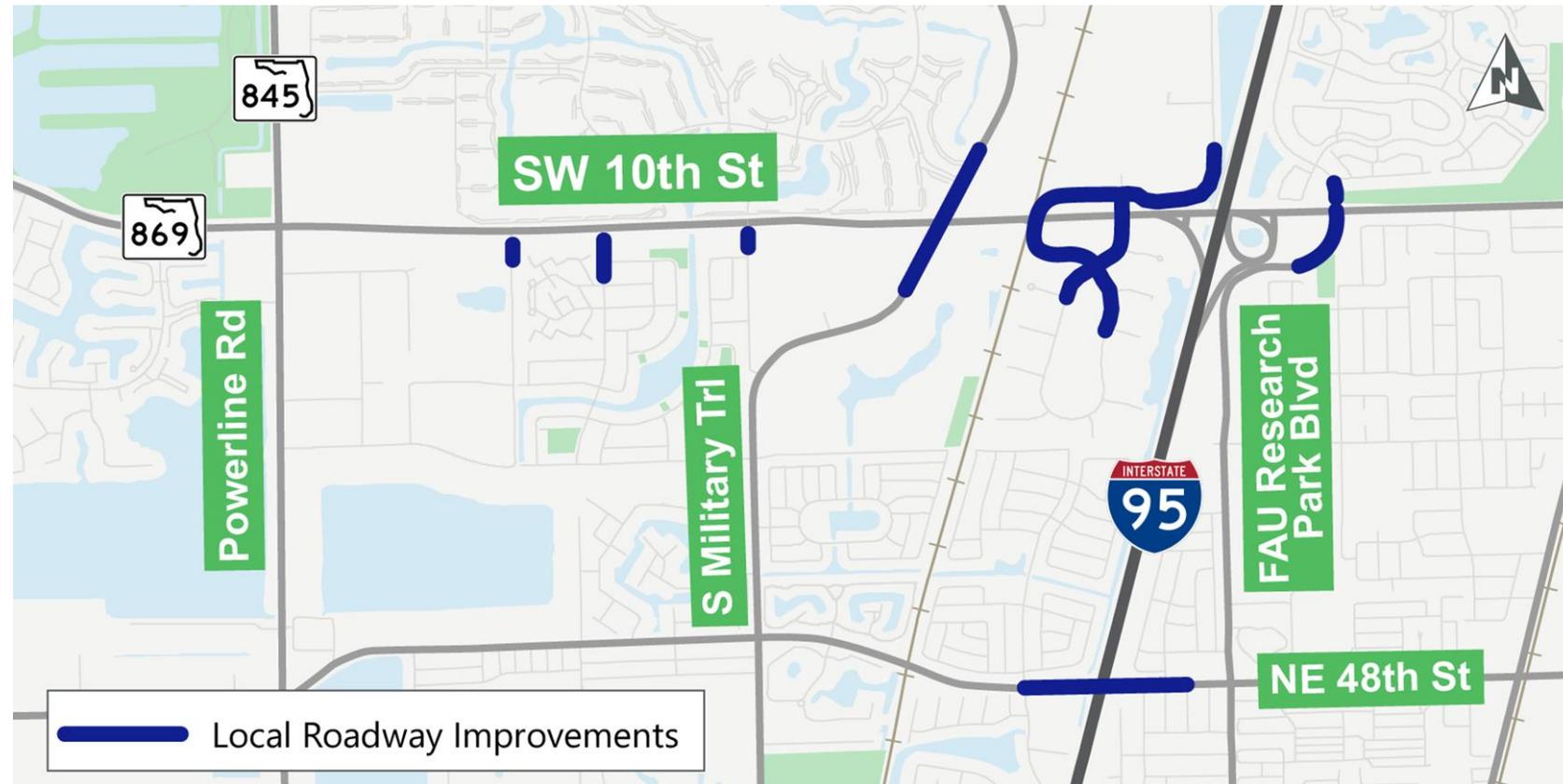


# SW 10<sup>th</sup> Street Connector - Roadways



# Local Roadway Improvements for Deerfield Beach / Broward County

- Military Trail bike lanes / sidewalk
- Newport Center Drive and SW 12<sup>th</sup> Avenue reconstruction
- FAU Research Park Blvd. widening
- NE 48<sup>th</sup> St bridge replacement
- Minor improvements to other local City cross-streets



# Bridges and Structures



- New Bridges
  - 15 Steel (approx. 26,500 linear ft., 1,011,000 sq. ft.)
  - 3 Concrete Girder
- Bridge Replacements
  - 6 Concrete Girder
- Overall Bridge length / area (approx.)
  - Box Girder 20,400 linear ft., 856,400 sq. ft.
  - Steel Plate 5,730 linear ft., 212,000 sq. ft.
  - Florida I-Beam 5,500 linear ft., 335,000 sq. ft.

# Bridges and Structures



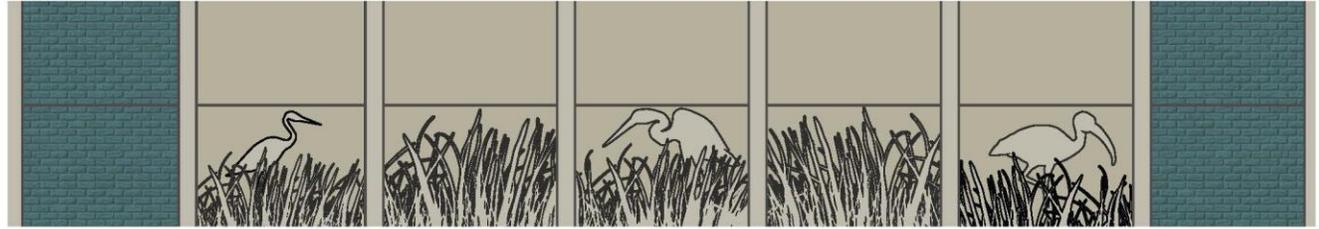
- Retaining Walls (approx. 644,000 sq. ft.)
- Noise Barrier Walls
  - Ground Mounted 262,200 sq. ft.
  - Shoulder Mounted 102,500 sq. ft.
- Overhead Sign and DMS Structures
  - 21-100 ft. OH sign - 24
  - 101 – 200 ft. OH sign - 1
  - DMS Structures (including Toll Amount/Lane Status) - 35

# Structures Aesthetics

## Prescriptive Design Elements

- Ground Mounted Noise Barrier Walls
- Retaining Walls
- Bridge Piers / Straddles
- Bridge Steel Girders

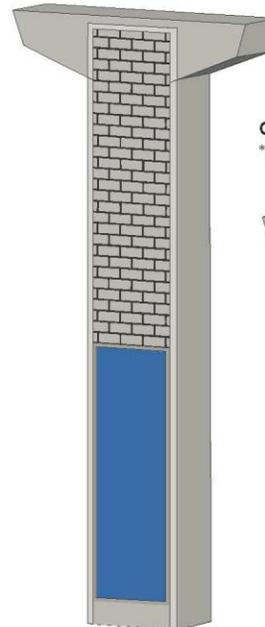
SAWGRASS CONCEPT (Colored panels shown: Federal 15193 with Ashlar Stone Facing)



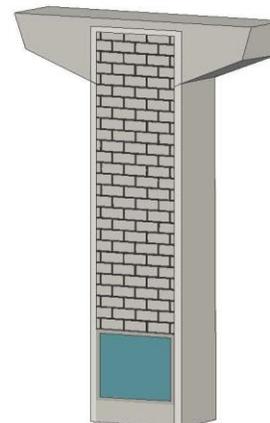
SEAGRASS CONCEPT (Colored panels shown: Federal 15123 with Ashlar Stone Facing)



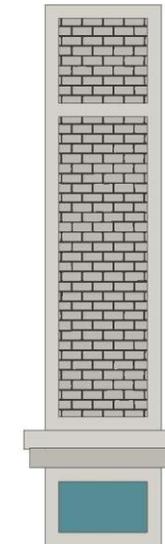
Gateway Piers | Brick formliner | 2-Tone



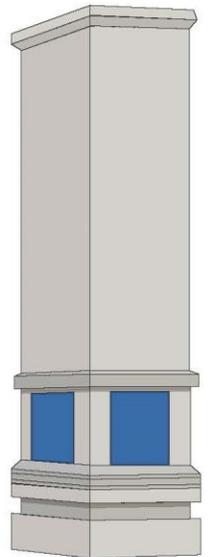
Conventional Piers | Brick formliner | 2-Tone  
\*Color to change based on location



MSE Enhancement Pylon  
\*Color to change based on location



MSE Bridge Corner Pylon  
\*Color to change based on location

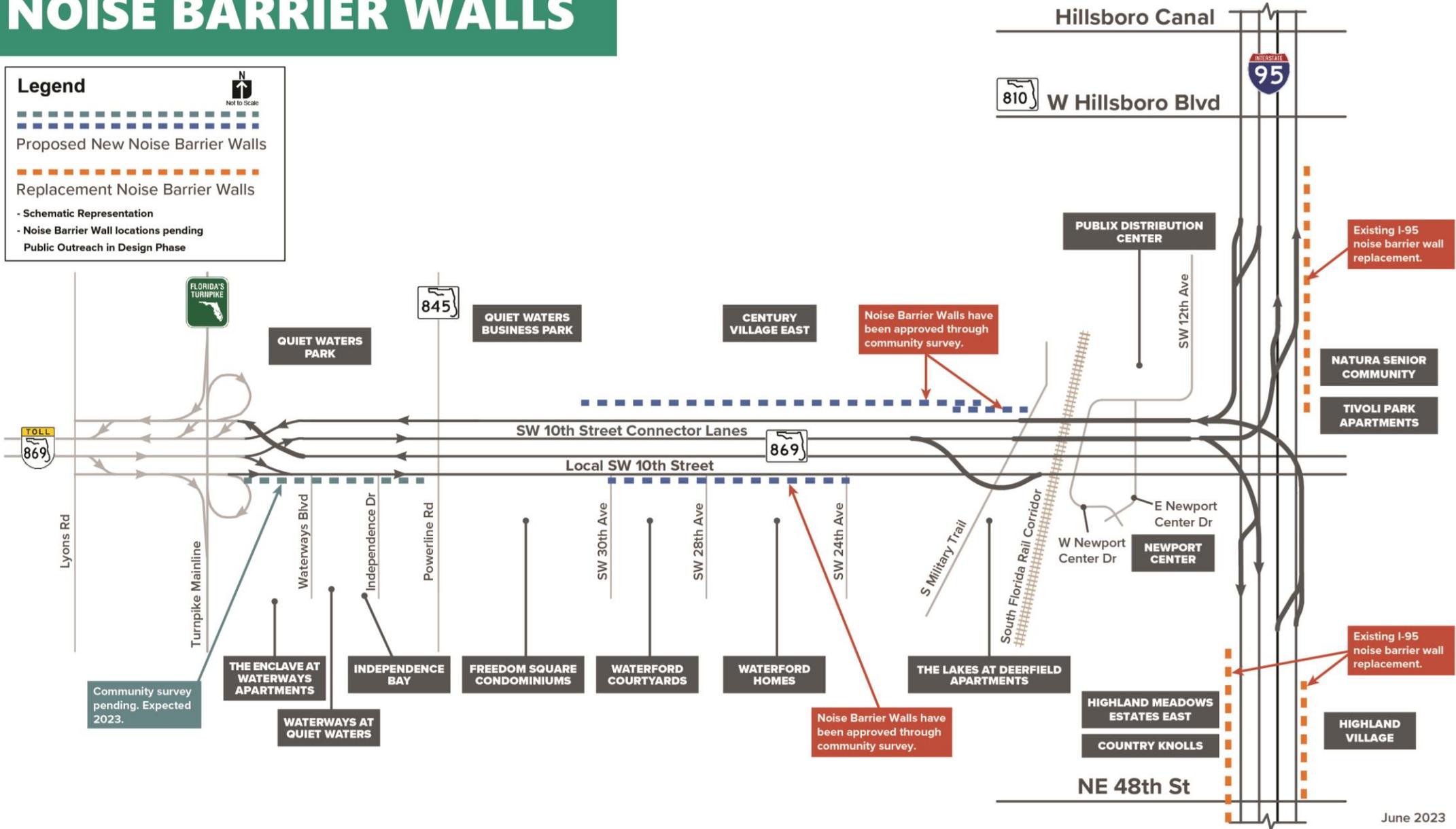


# NOISE BARRIER WALLS

**Legend**

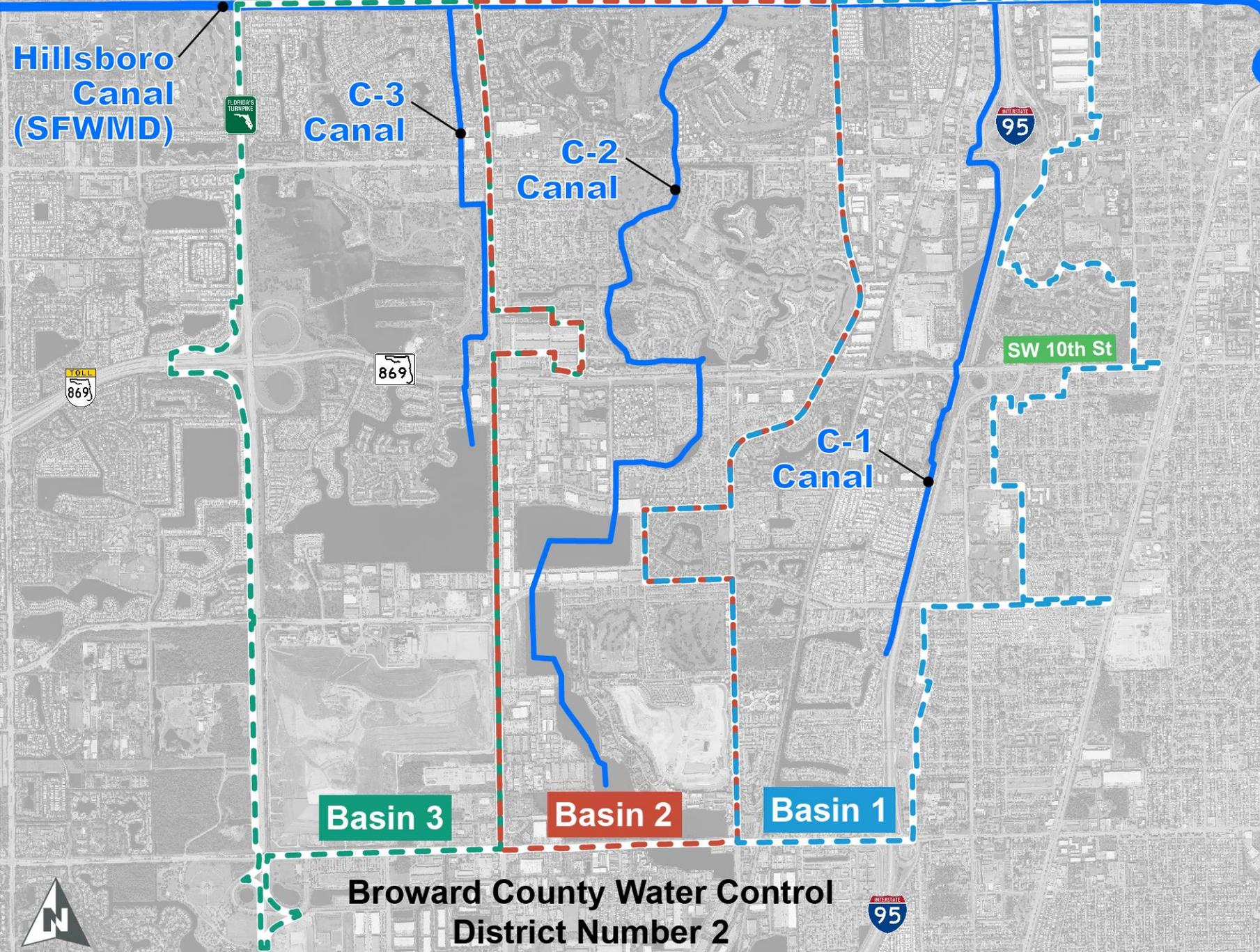
- Proposed New Noise Barrier Walls
- Replacement Noise Barrier Walls
- Schematic Representation
- Noise Barrier Wall locations pending Public Outreach in Design Phase

Not to Scale



June 2023

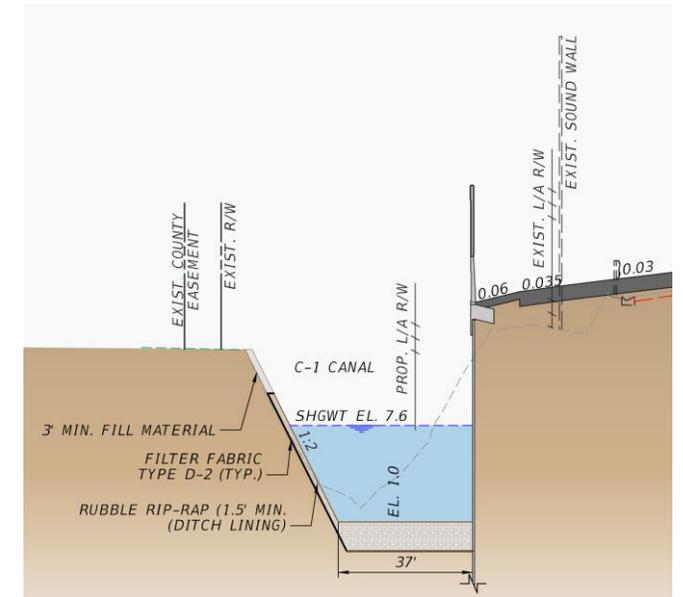
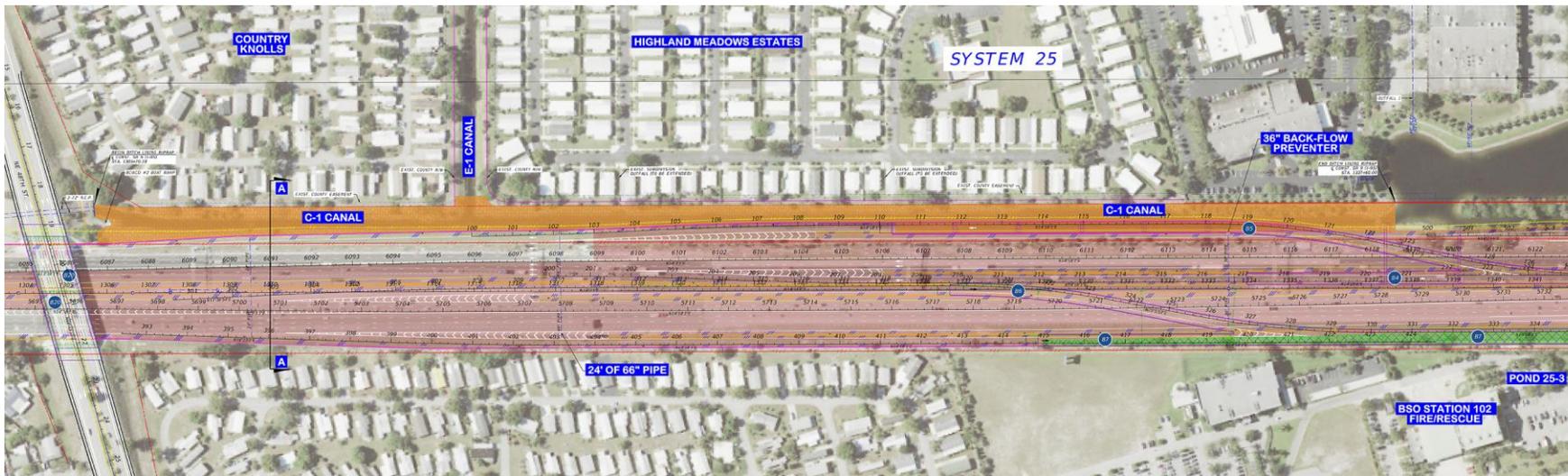
# Water Control Districts



# I-95 Drainage System

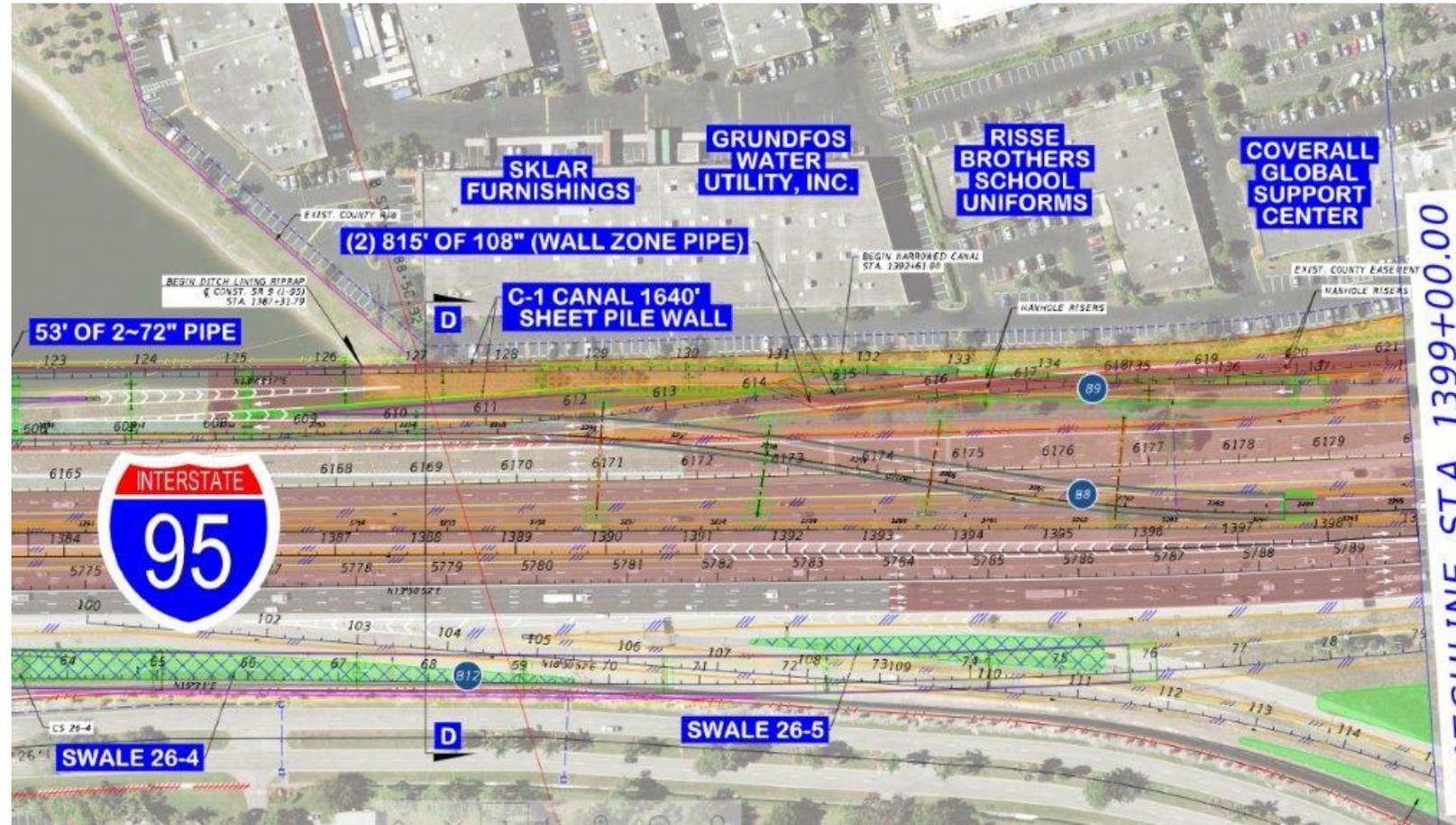
## • Stormwater Management Facilities

- Linear Dry Ponds (swales)
- Dry and / or Wet Detention / Retention Ponds
- New or Modified Control Structures and Outfalls
- Accommodate Landscape Opportunity Areas for Post-Construction Stand-Alone Landscape Project(s)



# I-95 Drainage System

- 48" Pipe – 1,700+ linear ft. (Hillsboro Boulevard)
  - Steel (Jack & Bore) and Storm Drain
- RCP Culvert Extensions (I-95)
  - 42" – 85 linear ft.
  - 66" – 250 linear ft.
  - 72" – 150 linear ft.
- 108" wall zone pipes – 1,630 linear ft. (north of Triangle Lake)

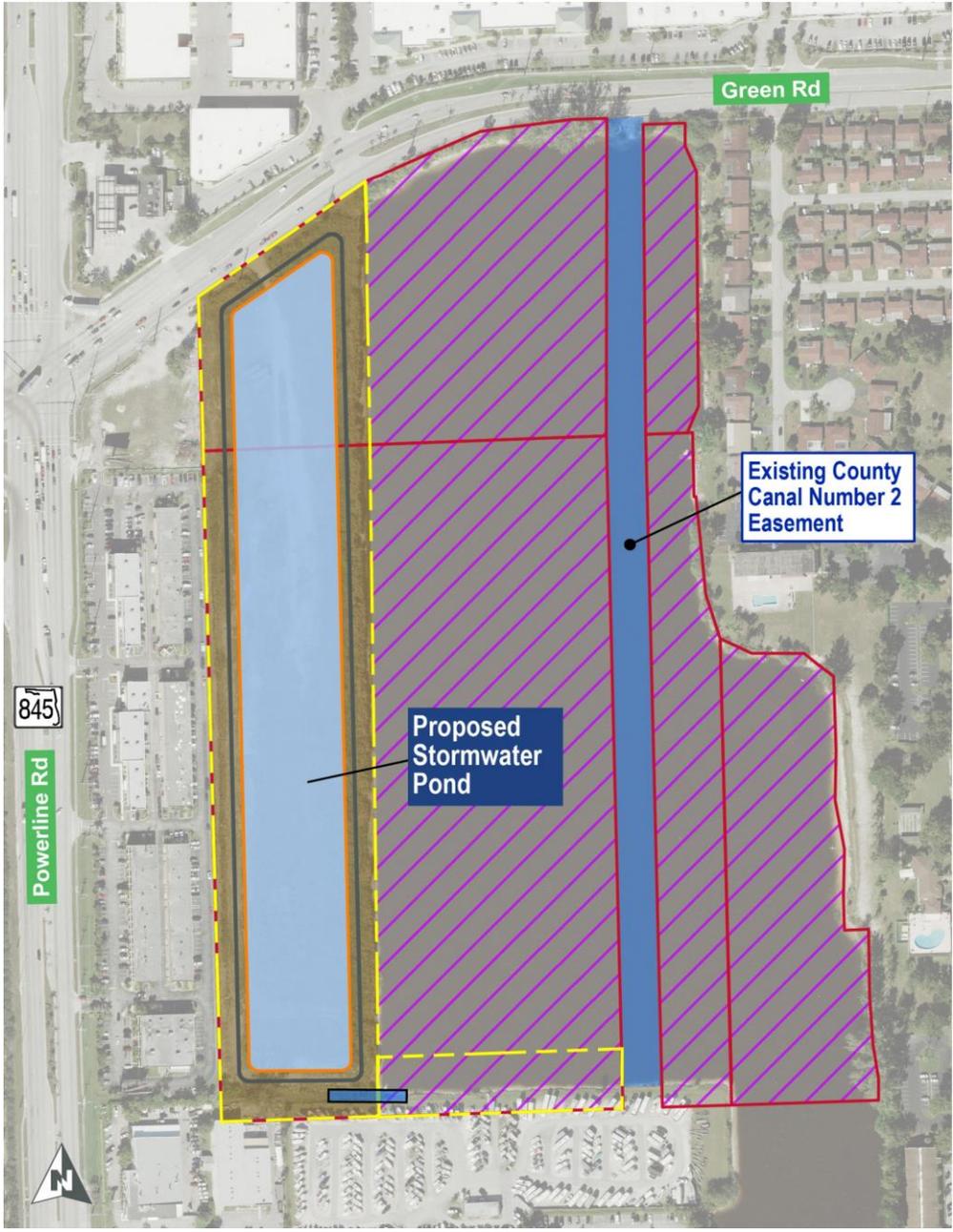
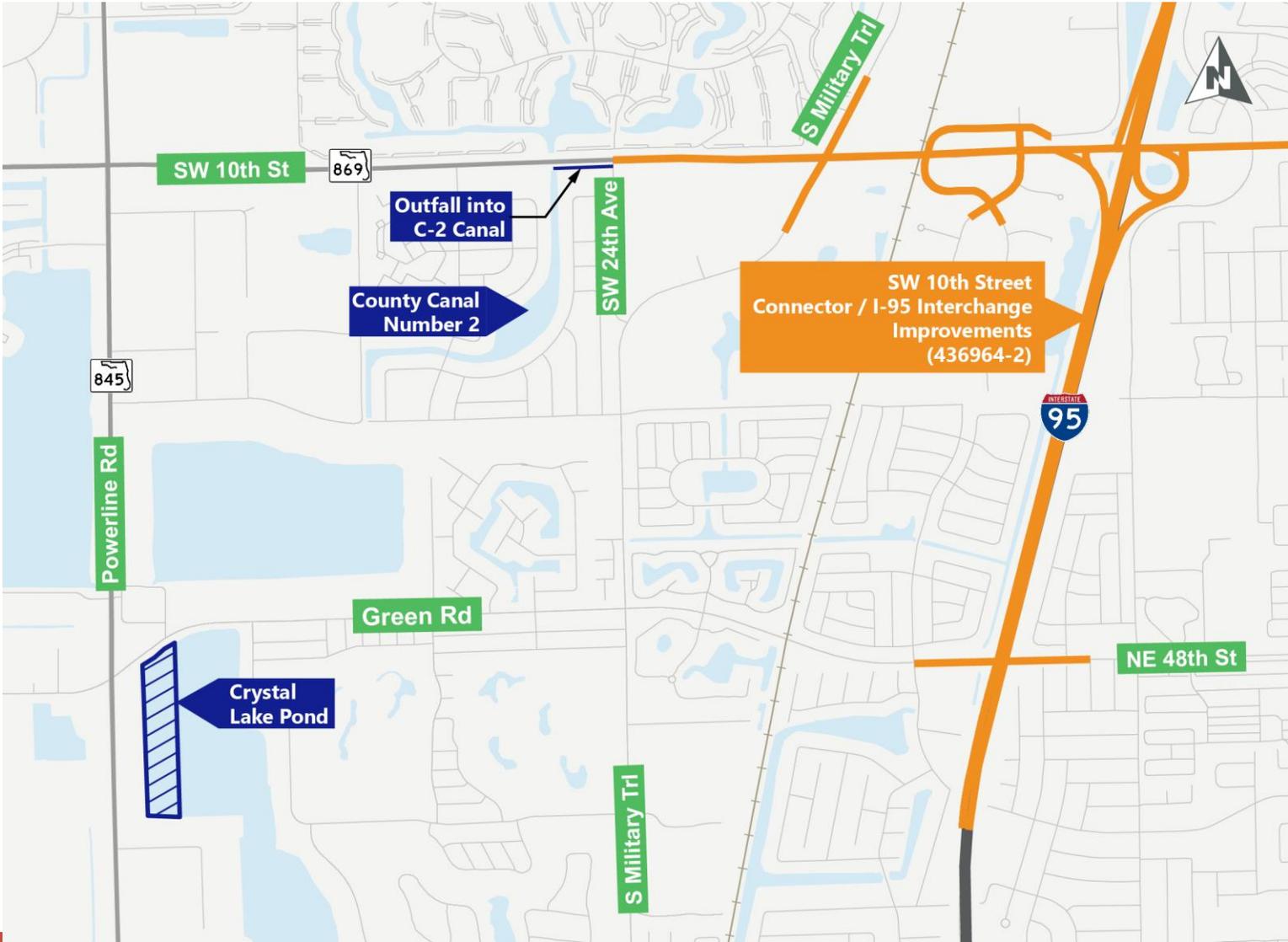


# Other I-95 (BCWCD Canal 1) Basin Stormwater Management Features

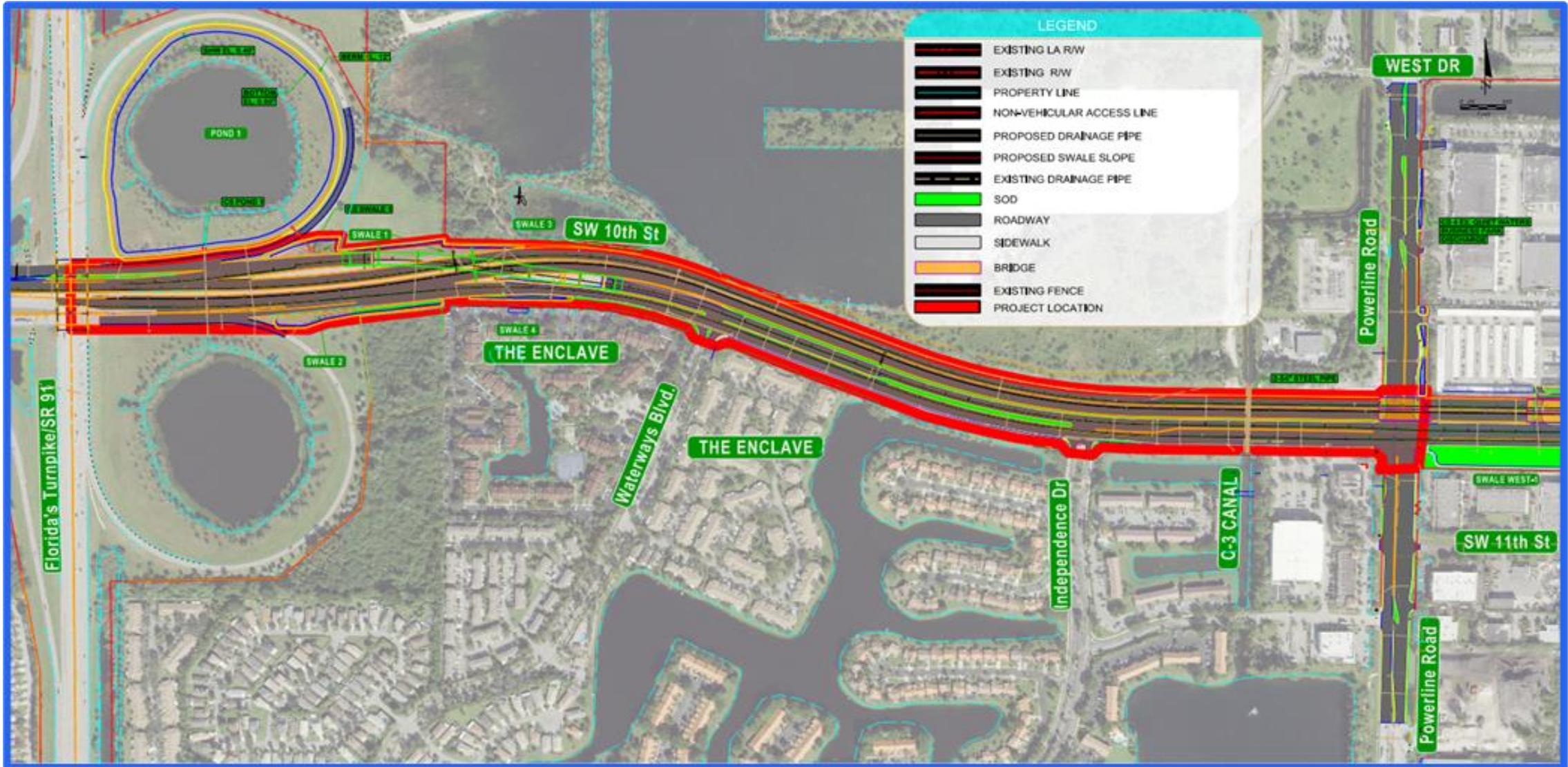
- Proposed control structures – 11
- Covered C-1 Canal with sheet pile – 300 ft. (south of SW 10<sup>th</sup> Street)
- C-1 Canal sheet pile wall – 1,640 ft. (north of Triangle Lake)
- 16 dry swales – 15.35 acres (at bottom)
- 6 wet ponds – 24.87 acres (at SHWT)
- New S-2 and S-3 control structures
- Back-flow preventers – 36" and 72"



# Crystal Lake Pond Site (County Canal 2 Basin)



# County Canal 3 Basin



# Environmental Permits

- **BCWCD Canal 1 (east of SFRC):**
  - SFWMD Conceptual ERP issued November 2022
  - FDEP 404 Permit submittal August 2022
  - Contractor to obtain County Surface Water Management Licenses for SW 12th Ave and Newport Center
- **BCWCD Canal 2 (west of SFRC):**
  - SFWMD Conceptual ERP issued February 11, 2022
  - FDEP 404 permit issued April 1, 2022
  - Contractor to obtain Crystal Lake Broward County Surface Water Management License
- **BCWCD Canal 3 (west of SFRC):**
  - SFWMD Conceptual ERP - Pending
  - FDEP 404 permit - Pending

# Utility Relocation Master Plan

- **Utility Relocation Master Plan for City of Deerfield Beach Utilities (to be performed as Utility Work by Highway Contractor)**
  - Approx. 7,500' 12" Force Main
  - Approx. 5,600' 20" Force Main
  - Approx. 2,700' 16" Potable Water Main
  - Approx. 3,400' 24" Potable Water Main
  - Approx. 1,000' 16" Raw Water Main
  - Approx. 1,000' 24" Raw Water Main
  - Approx. 20,000' 12" Reclaimed Water
  - Miscellaneous additional minor segments of Utility Relocations

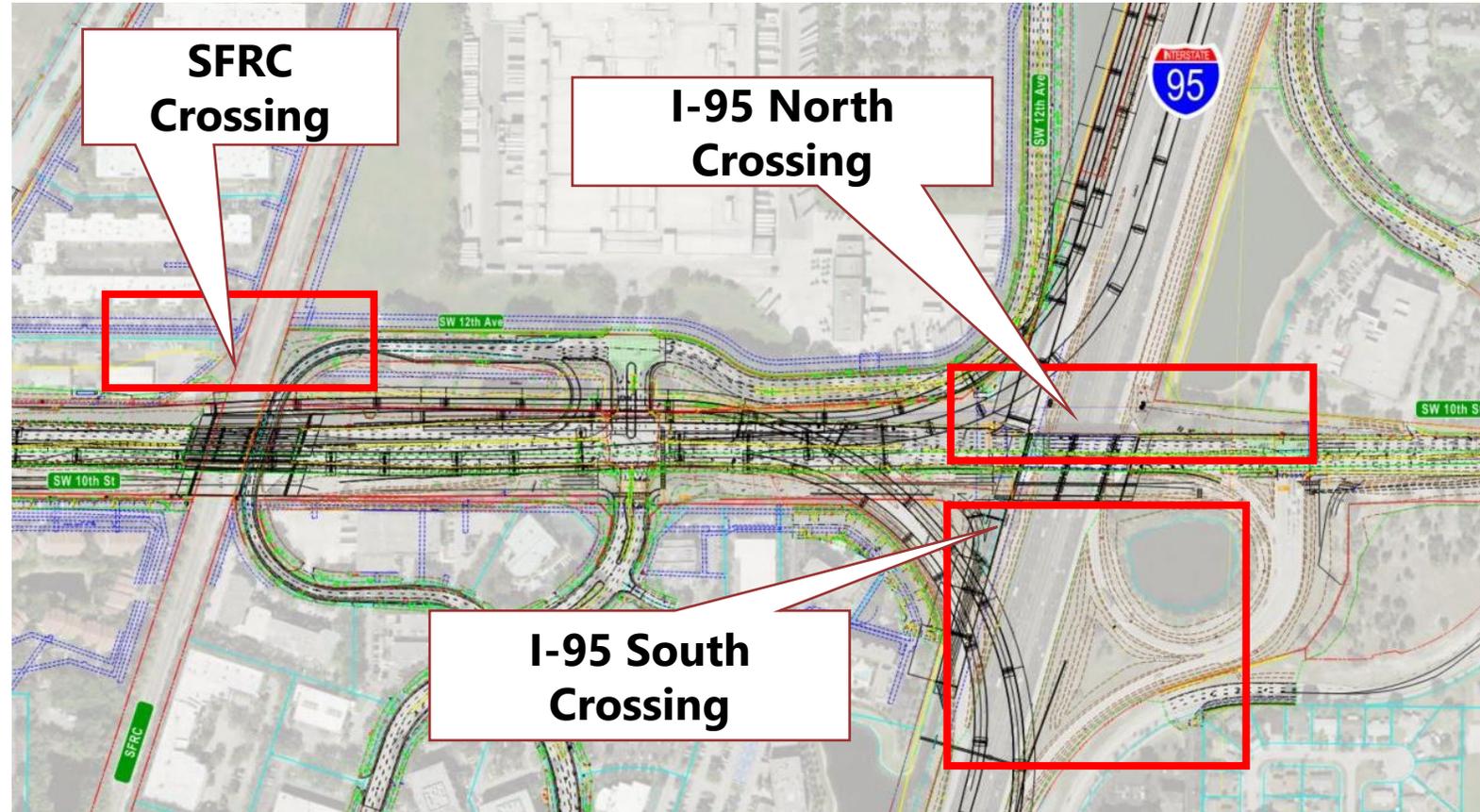
# Utility Relocation Master Plan

- **Utility Relocation for additional Utilities (to be performed as Utility Work by Highway Contractor)**
  - Approx. 7,100' 2"-12" FPL PVC conduit
  - Approx. 2,000' 32" - 42" FPL Steel casing
  - Approx. 8,600' 2"-24" AT&T PVC conduit
  - Approx. 2,400' 16"-42" AT&T Steel casing
  - Approx. 6,600' 2" Sprint PVC conduit
  - Miscellaneous additional minor segments of Utility Relocations

# Utility Master Plan

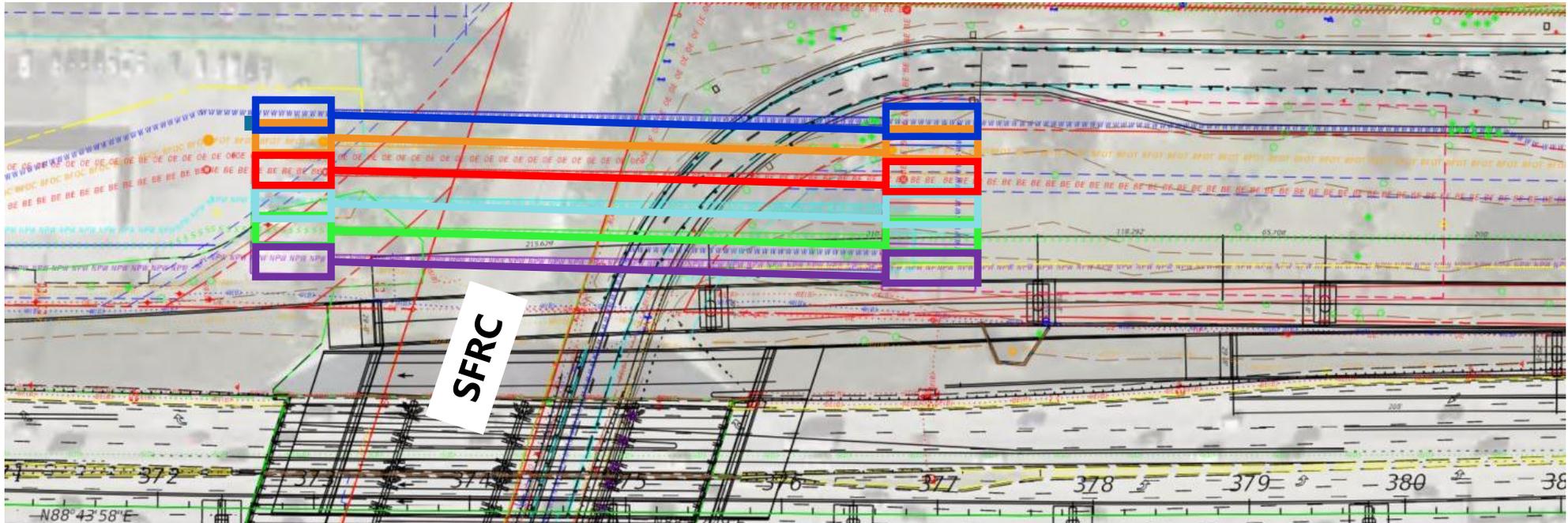
- **Trenchless Utility Casing Construction**

- **Railroad:** Six (6) separate installations, each approx. 300 ft. in length
- **I-95:** Two (2) separate installations – one approx. 750 ft. in length, and another approx. 400 ft. in length



# Utility Master Plan

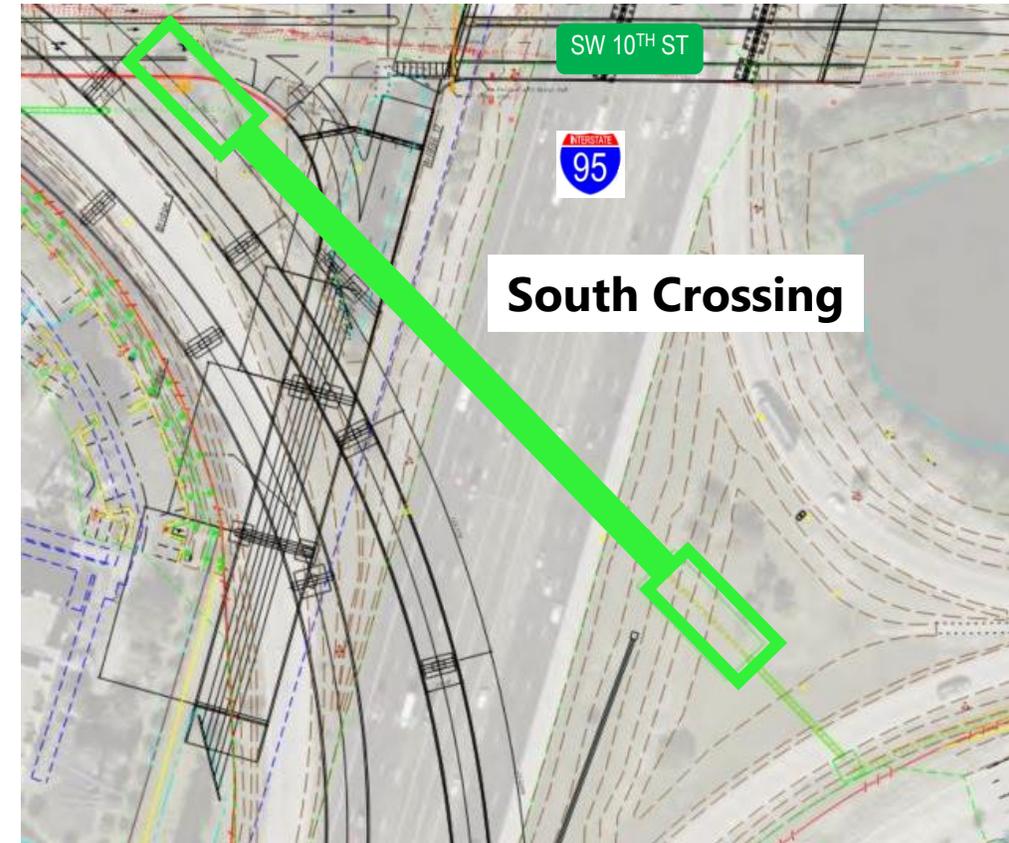
- **Trenchless Utility Casing Construction – SFRC Crossing (Track Switches)**
  - Six (6) separate installations each approximately 300 ft. in length
  - SFRTA restrictions on methodology and participation on risk mitigation plan



# Utility Master Plan

- **Trenchless Utility Casing Construction – I-95**

- Two (2) separate installations – one approx. 750 ft. in length, and another approx. 400 ft. in length



# FPL Phased Relocation Plan



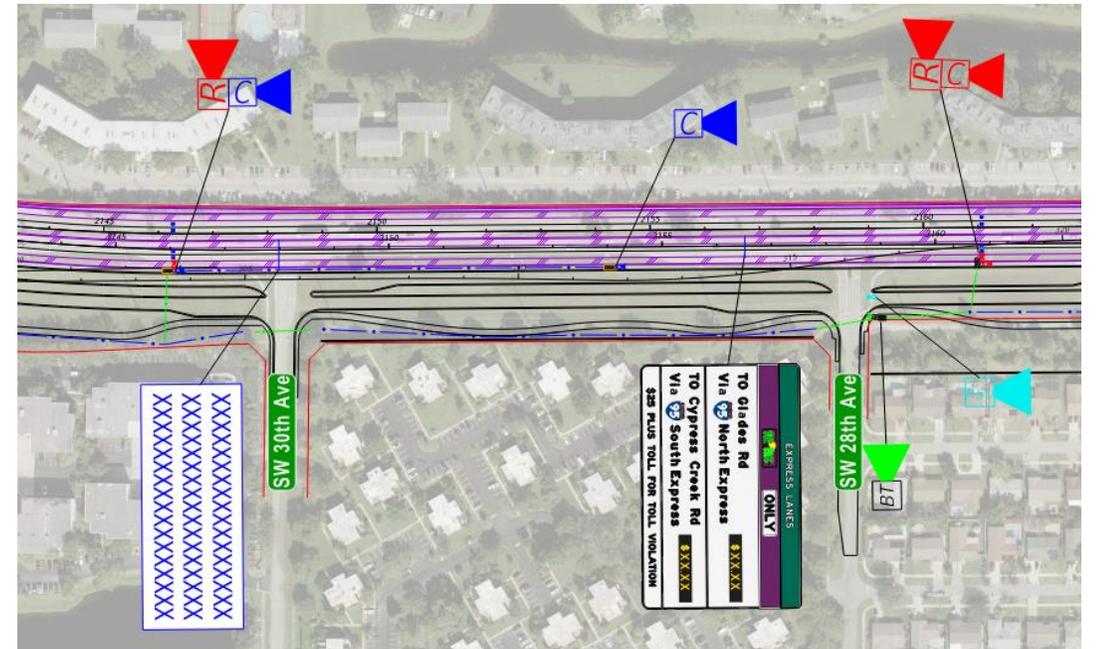
# ITS

- ITS Maintenance of Communications (MOC)
- Maintain and Upgrade Existing ITS Devices Throughout I-95 and SW 10th Street Connector Project Limits
- DMS Subsystem, Including Toll Amount and Lane Status DMS
- CCTV Camera Subsystem



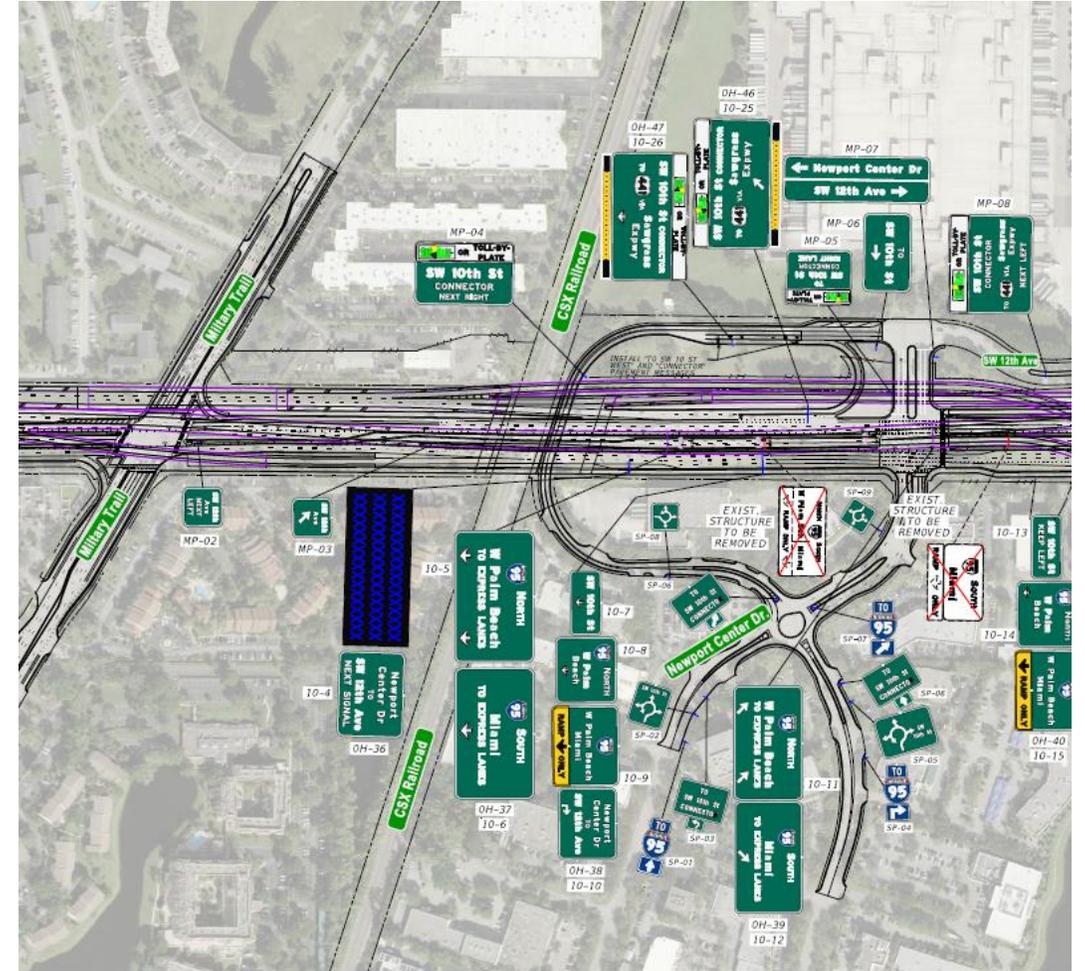
# ITS

- MVDS Subsystem (on I-95 and Connector Lanes)
- Power Distribution Subsystem (with generator backups)
- Connected Vehicle Roadside Units (RSU)
- Ramp Signaling
- Communications Hub Shelter
- Fiber (SW 10<sup>th</sup> Street and I-95)
  - 144 SMFOC for backbone and sharing, 96 SMFOC for signal interconnection – approx. 6-miles



# Signing Master Plan

- I-95
- I-95 Express
- SW 10<sup>th</sup> Street Local Lanes
- SW 10<sup>th</sup> Street Connector Lanes
- Newport Center Drive / SW 12<sup>th</sup> Avenue



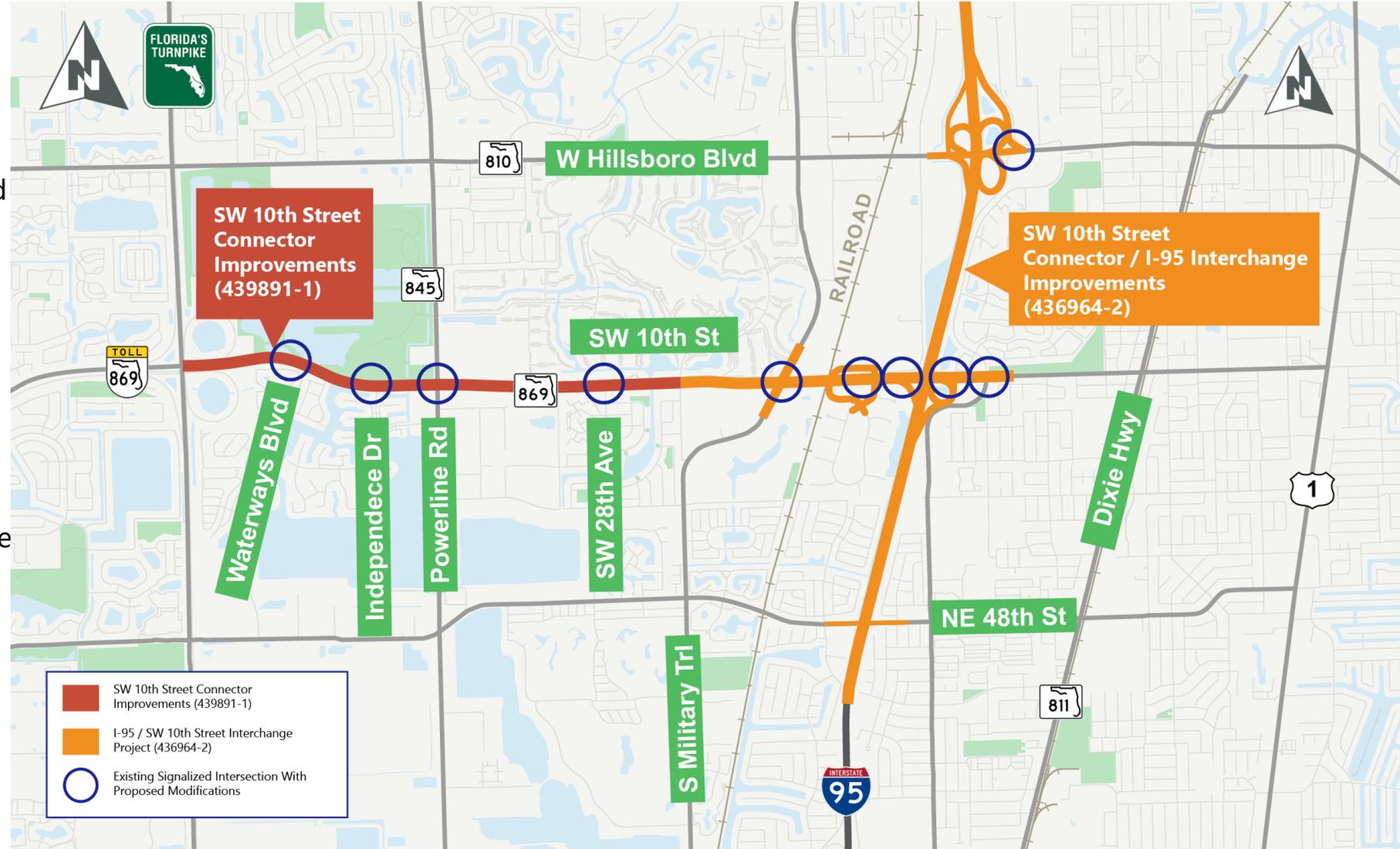
# Signalization

## 439891-1 SW 10<sup>th</sup> Street Connector

- SW 10<sup>th</sup> Street / Waterways Boulevard
- SW 10<sup>th</sup> Street / Independence Drive
- SW 10<sup>th</sup> Street / Powerline Road
- SW 10<sup>th</sup> Street / SW 28<sup>th</sup> Avenue

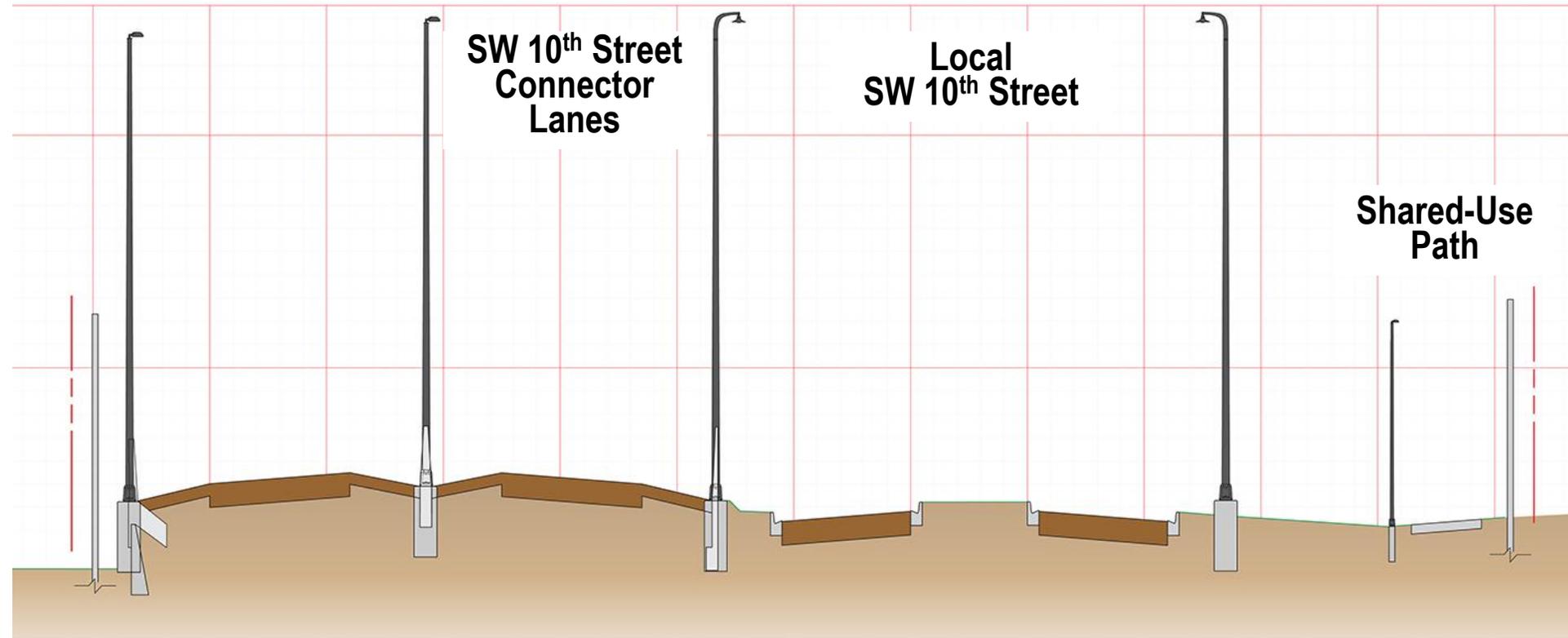
## 436964-2 I-95 / SW 10<sup>th</sup> Street Interchange

- SW 10<sup>th</sup> Street / Military Trail
- SW 10<sup>th</sup> Street / Newport Center Drive
- SW 10<sup>th</sup> Street / SB Ramps
- SW 10<sup>th</sup> Street / NB Ramps
- SW 10<sup>th</sup> Street / Natura Drive
- Hillsboro Boulevard / NB Ramp



# Lighting – SW 10<sup>th</sup> Street

- Approx. 300 conventional poles for SW 10<sup>th</sup> Street Connector Lanes and 350 decorative poles for local SW 10<sup>th</sup> Street



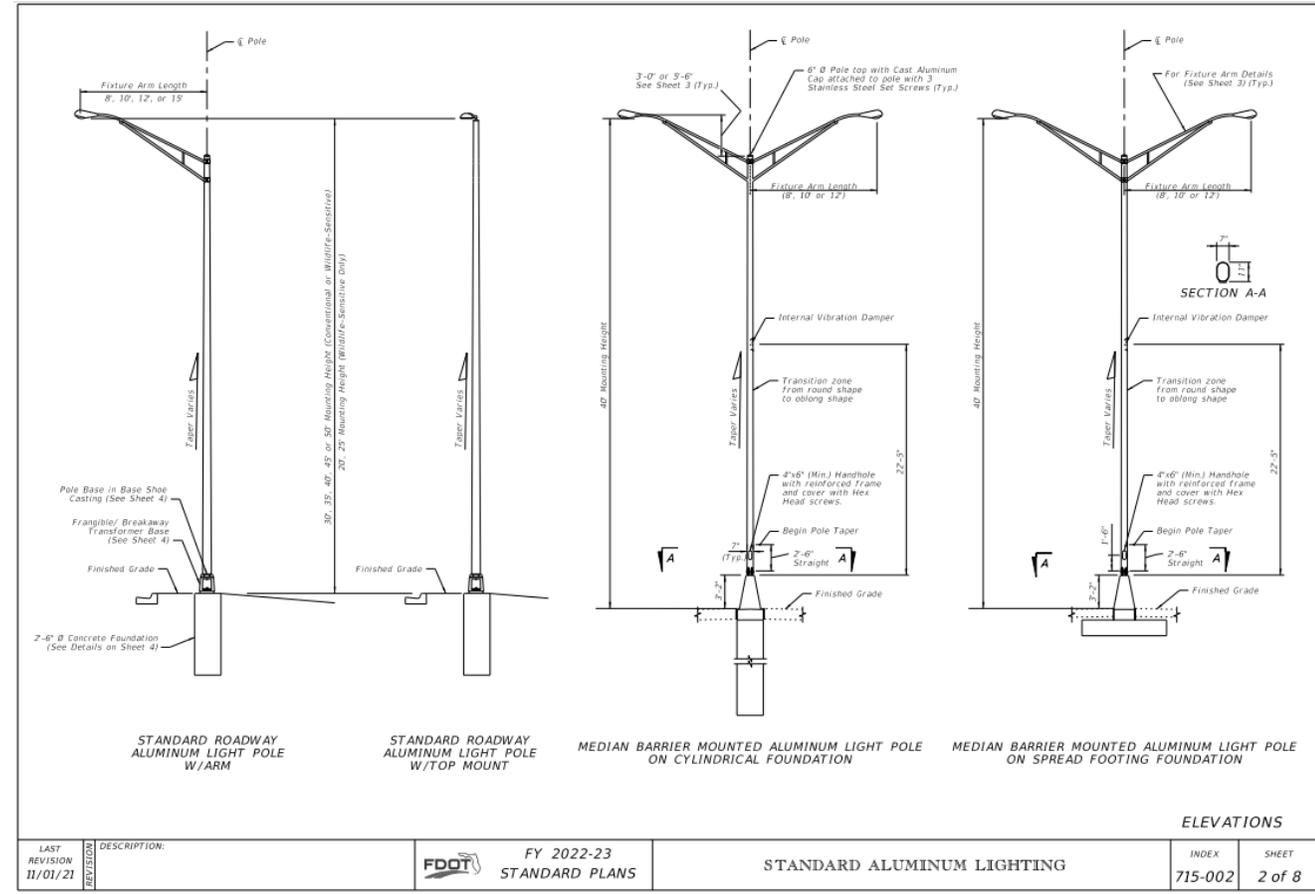
Connector pole facing south  
Cross section view looking east

# FPL Lighting with City Maintenance Agreement

- Local SW 10th Street and adjacent Shared-Use Path
- Newport Center Drive
- SW 12th Avenue
- Military Trail
- Powerline Road
- FAU Research Park Boulevard

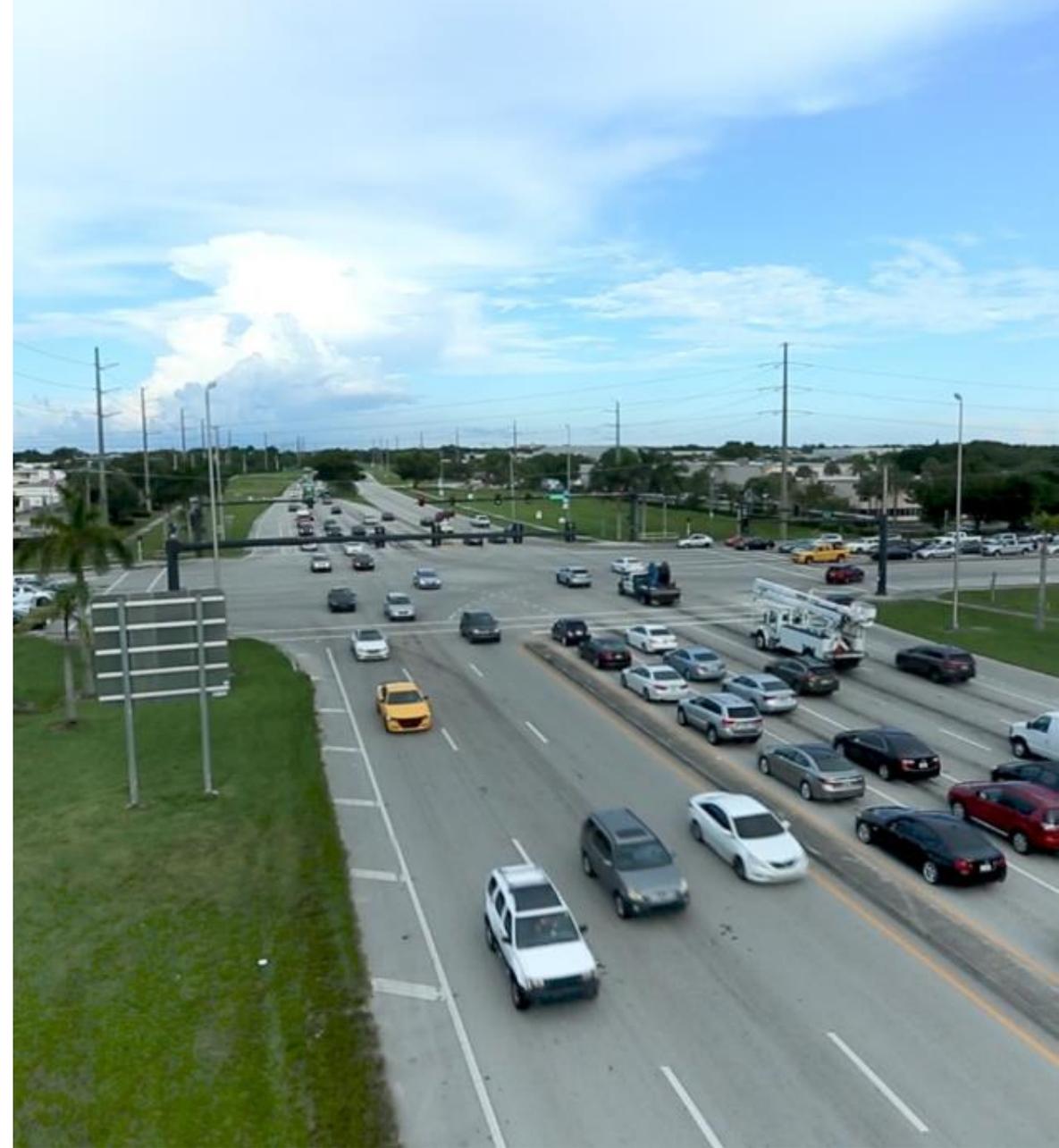
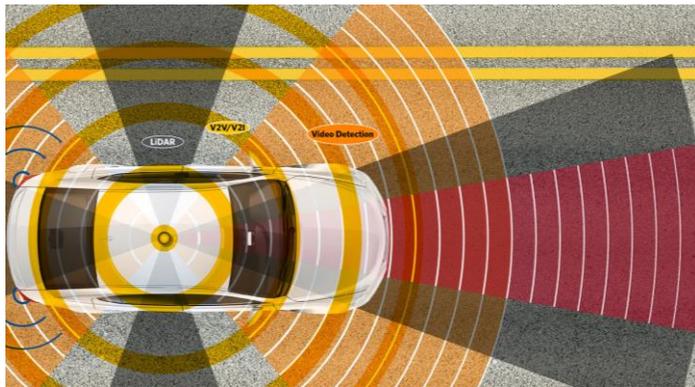
# Lighting – I-95

- FDOT Standard LED fixtures on General Purpose (GP), Express Lanes (EL), and ramps / flyovers along I-95
- Approx. 250 conventional lighting poles
- Compatible with I-95 Express Phase 3 lighting



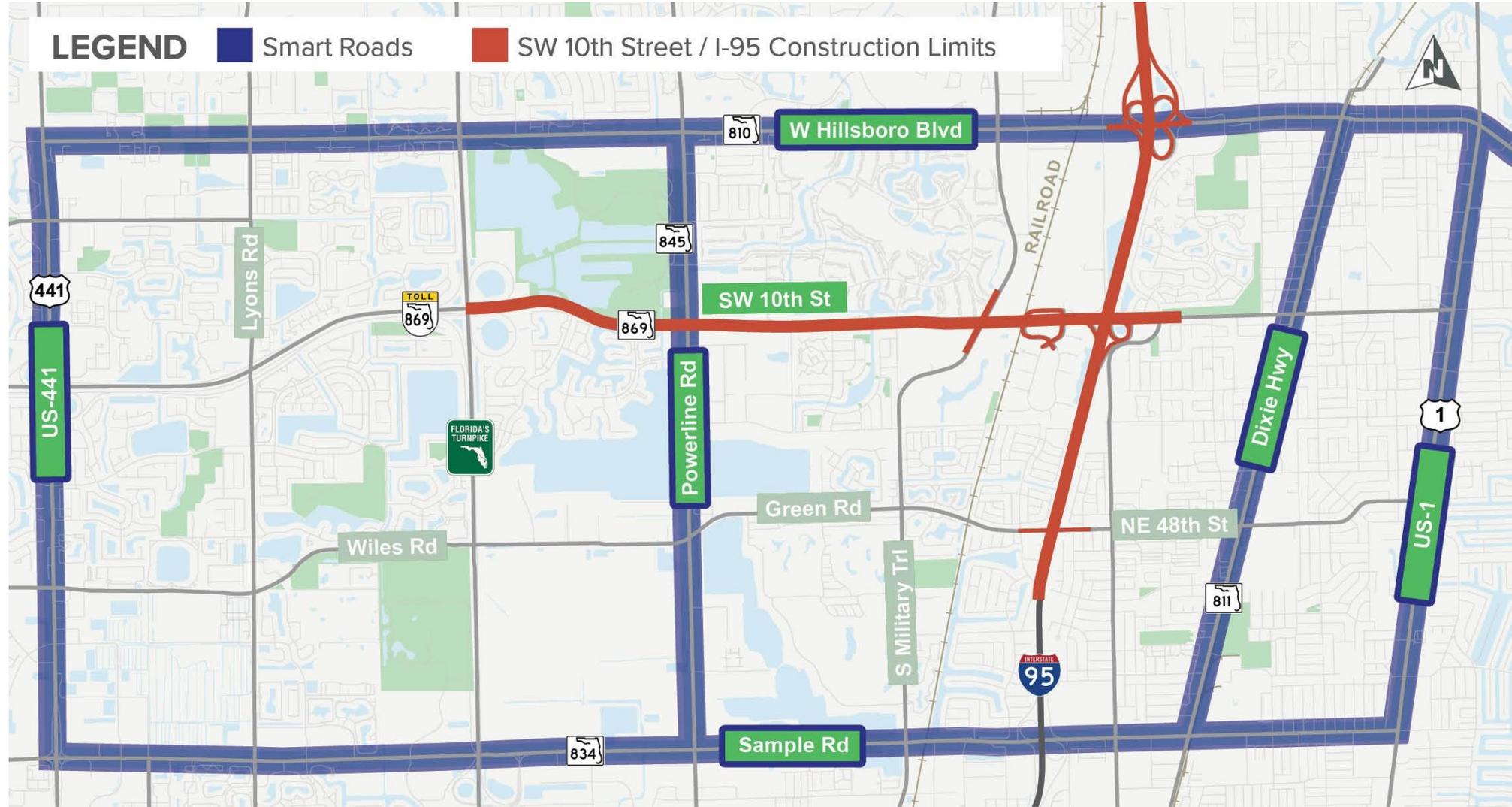
# I-95 / SW 10<sup>th</sup> St Interchange Temporary Smart Work Zone Systems

- Queue Warning System
- Travel Time Information System
- Real-Time Work Zone Position System
- Entering / Exiting Vehicle Notification System

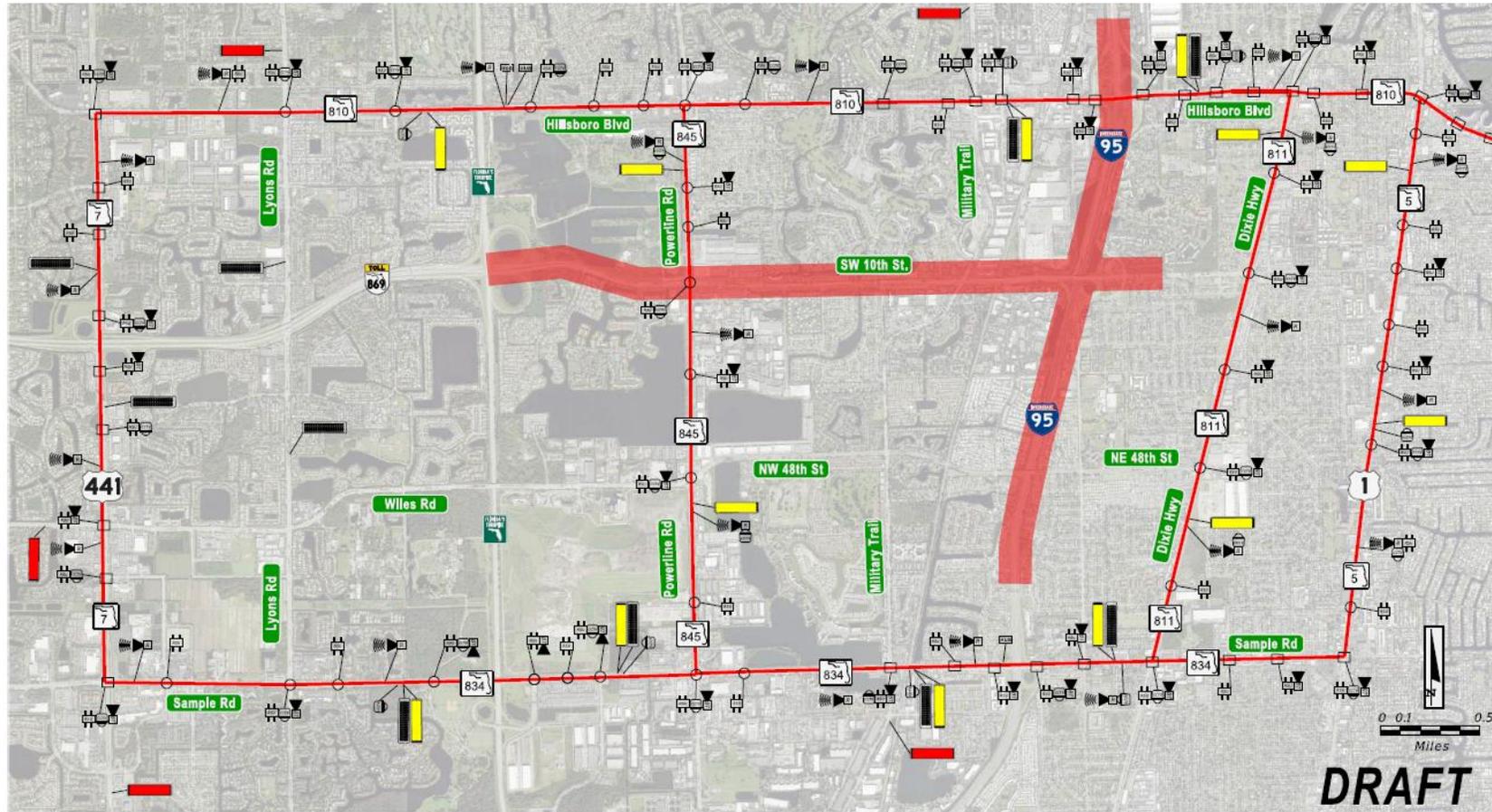


# TSM&O - Advanced Transportation Management System (ATMS)

- Hillsboro Boulevard
- Sample Road
- US 441
- Powerline Road
- Dixie Highway
- US 1



# TSM&O - ATMS Device Exhibit



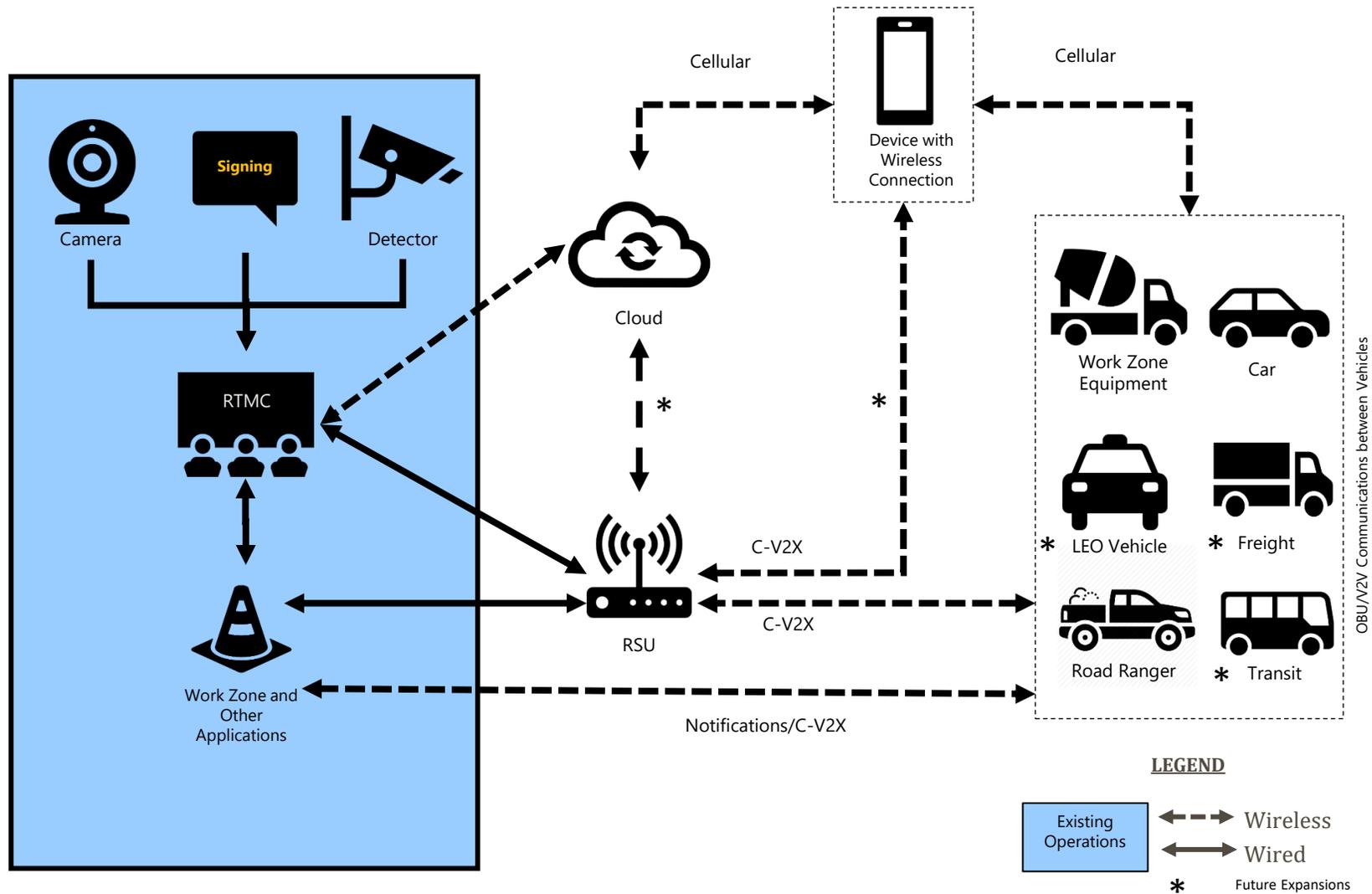
LEGEND:	
	PROPOSED PERMANENT ARTERIAL DMS
	EXISTING ARTERIAL DMS
	POTENTIAL ARTERIAL DMS ALONG COUNTY ROAD
	PROPOSED PERMANENT MVDS
	PROPOSED PERMANENT CCTV CAMERA
	PROPOSED PERMANENT VCCTV CAMERA
	PROPOSED PERMANENT ROADSIDE UNIT
	PROPOSED PERMANENT BLUETOOTH DETECTOR
	SIGNALIZED INTERSECTION
	ATCS INTERSECTION
	TSM&O PROJECT LIMITS (439891-5)
	SW 10th ST / I-95 CONSTRUCTION LIMITS
	PROPOSED PERMANENT HUB
	EXISTING HUB TO BE REMOVED

- Communications Subsystem – 144 SMFOC, new Hub Shelters, L2/L3 Switches, etc.
- Power Subsystem – electrical service points, UPS in the device cabinet, permanent generators, etc.
- CCTV Cameras – providing 100% coverage to all corridors
- Arterial DMS – 18
  - Including 2 ADMS which will be integrated into FTE system
- Vehicle Detection System – both MVDS and Bluetooth detectors – approximately 60

# TSM&O - Connected Vehicles Deployment

- Connected Vehicle Scope will Consist of:
  - Roadside Units Field Deployment – Approximately 75
  - Onboard Units Deployment on Designated Vehicles – Approximately 100
  - Smartphone Applications Development and Integration / Deployment
  - CV Central Software / Platform Development

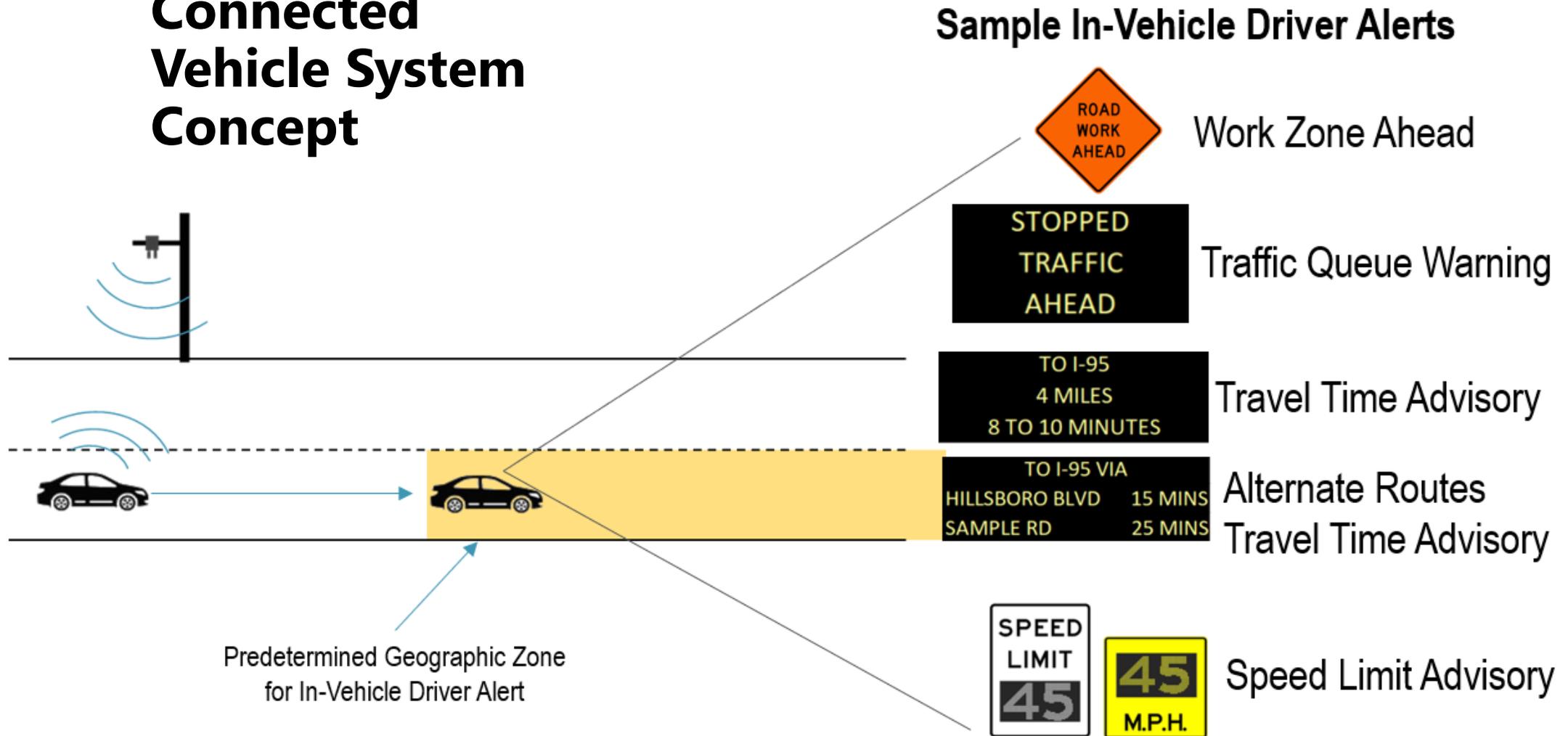
# TSM&O - Connected Vehicles Deployment



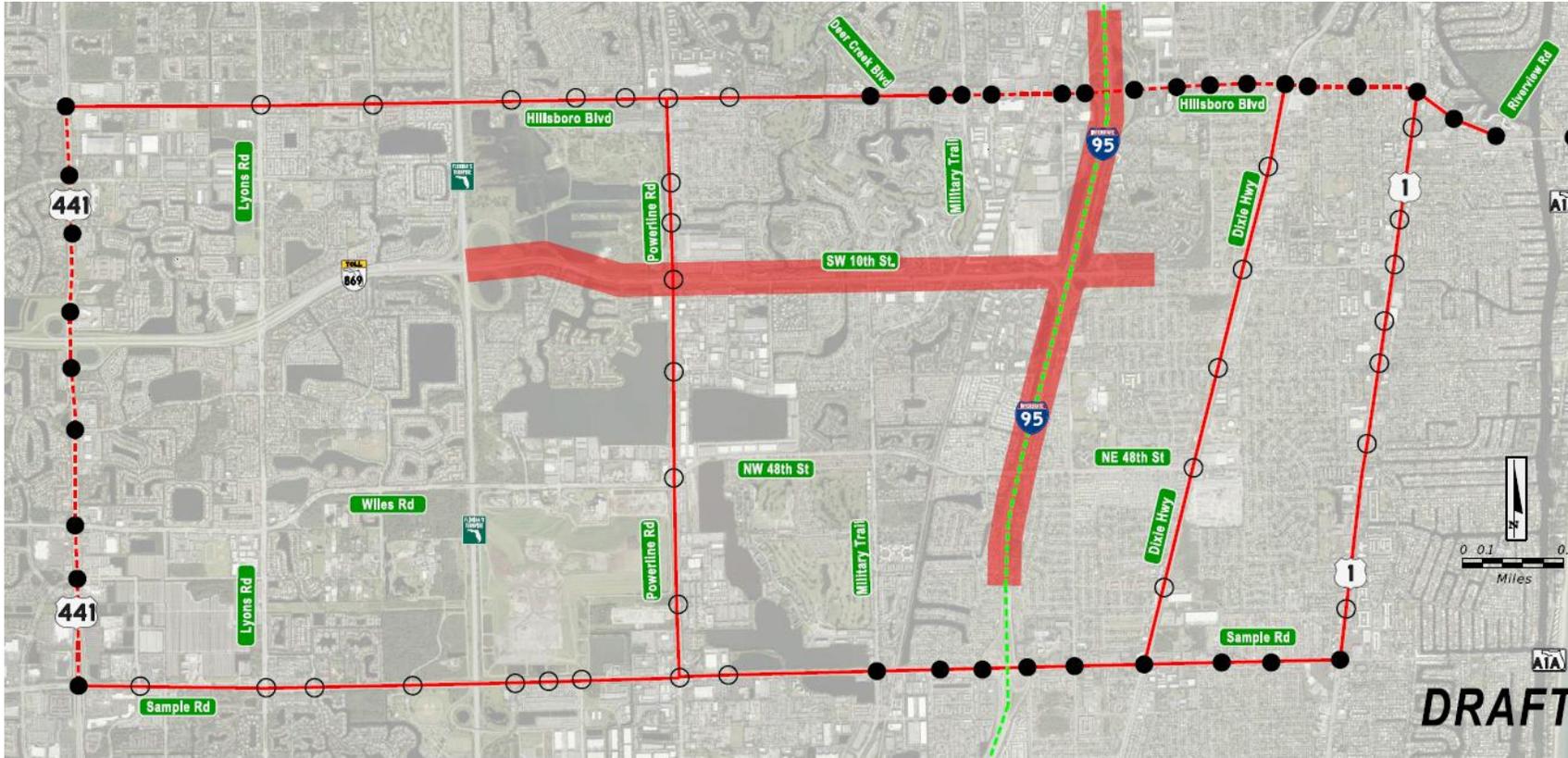
## Connected Vehicle System Concept

# TSM&O - Connected Vehicles Deployment

## Connected Vehicle System Concept



# TSM&O - Broward County Fiber and Advanced Traffic Control System (ATCS) Deployment Exhibit



# TSM&O - Signal Mast Arms Replacement

- Mast Arm Assemblies, Traffic Signal and Ancillary Equipment at Below Two Intersections Shall be Replaced
  - SR 810 (Hillsboro Boulevard) at Deerfield Plaza – 4 Mast Arms
  - SR 810 (Hillsboro Boulevard) at NW 41<sup>st</sup> Way – 4 Mast Arms

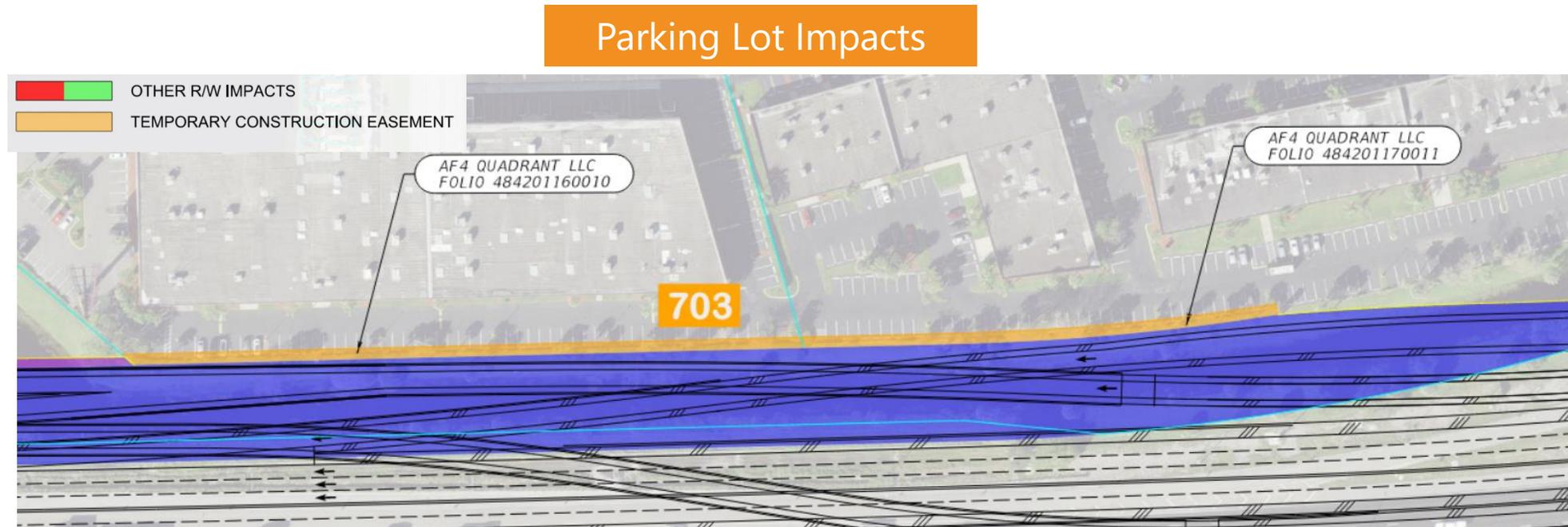


Typical Signal Mast Arm

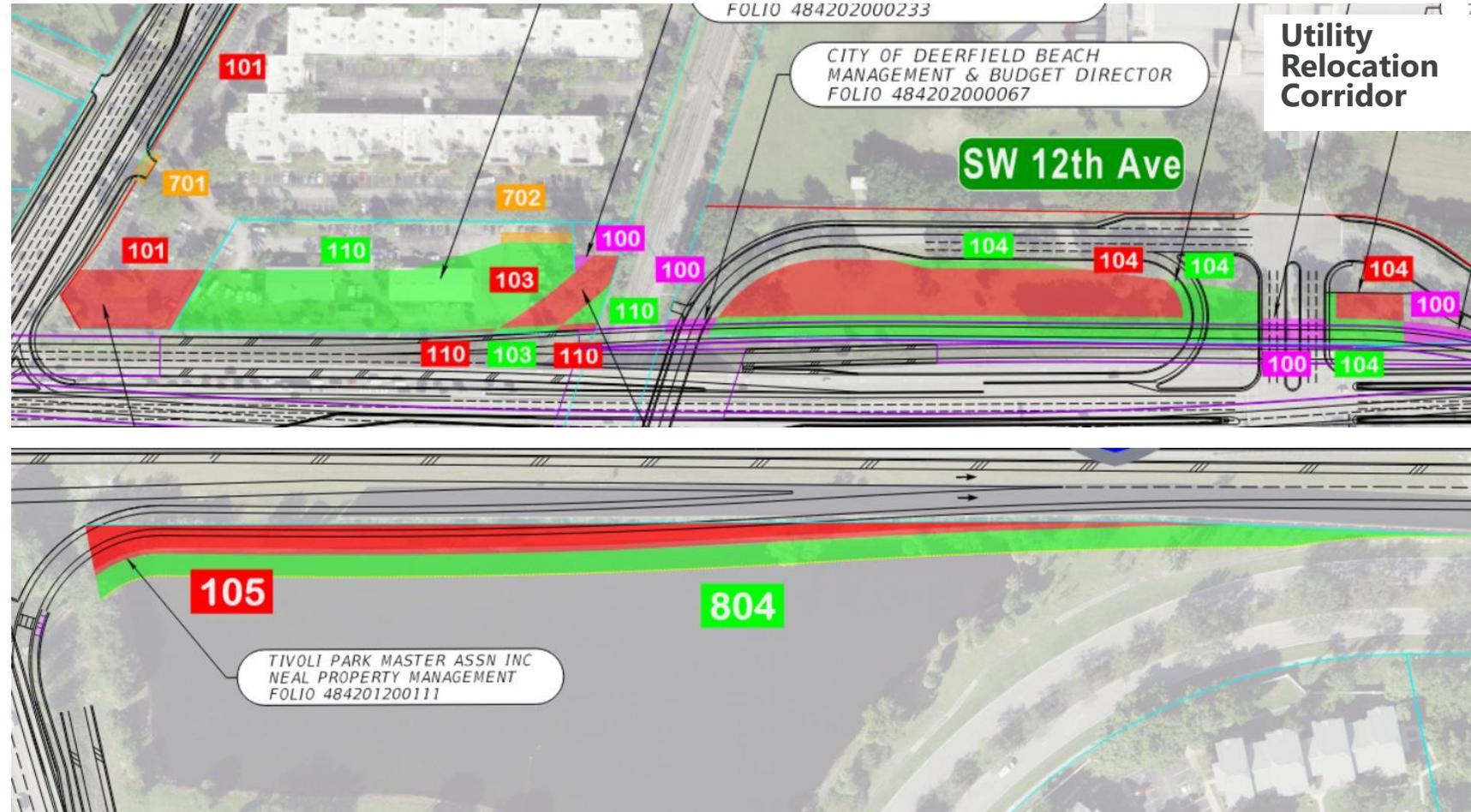
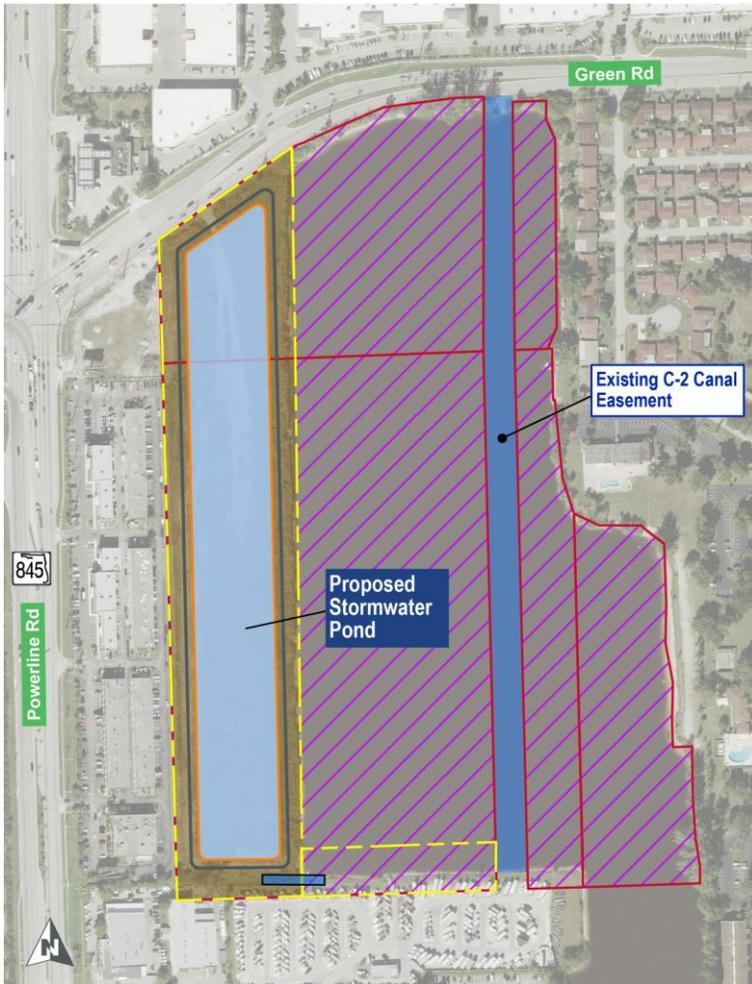
# Right of Way Requirements (436964-2)

- Department Intent to Avoid / Minimize Construction Activities Outside the Existing Right of Way
  - Seven (7) permanent parcel impacts
  - Six (6) temporary construction easements

- AF4 Quadrant LLC, TCE's and Utility Easement



# Right of Way Requirements (436964-2)

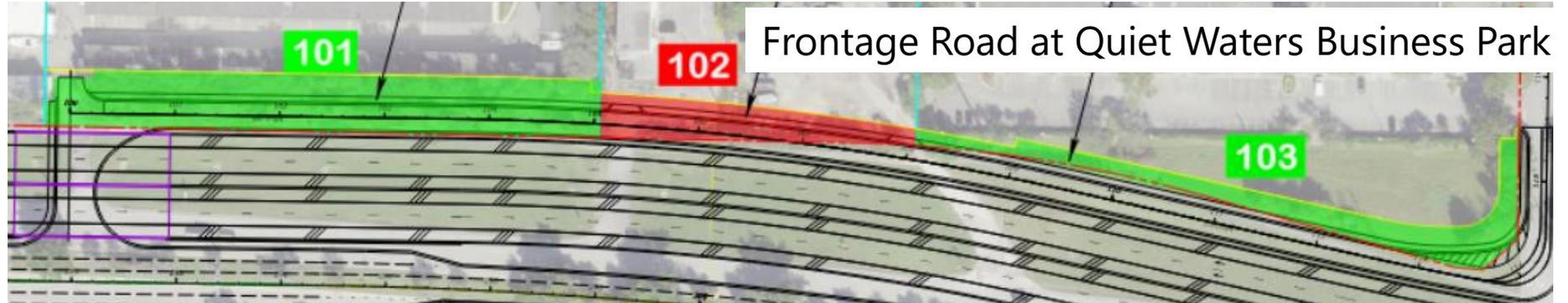


Tivoli Park Stormwater Pond Encroachment

# Right of Way Requirements (439891-1)



Powerline Road, North of SW 10th St.



Frontage Road at Quiet Waters Business Park



Enclave Apartments and Waterways at Quiet Waters

# Public Outreach

- **Recent and Ongoing Outreach Efforts:**

- January 2022 Project Information Session
- Information Posted on SW 10<sup>th</sup> Street Connector Website
- Aesthetics Charette – September 19, 2022
- Public Meeting - November 14, 2022
- Virtual Public Meeting – December 7, 2022

- **DB Firm Responsible for Ongoing Support Role to FDOT PIO for Key Deliverables:**

- Community Awareness Plan
- Public Meetings / Workshops
- Technical Assistance

- **Refer to RFQ Public Involvement Section for Additional Details**



# Public Involvement Overview – Meetings

- **Municipalities / Gov. Agencies:**

- Deerfield Beach
- Broward County Commissioner
- Coconut Creek
- Coral Springs
- Parkland
- Pompano Beach
- Fort Lauderdale
- Margate
- Sunrise
- Lighthouse Point
- Broward MPO
- Broward Sheriff's Office Fire Rescue
- Coral Springs Fire Rescue
- Boca Raton Fire Rescue

- **HOAs / Communities:**

- Century Village East
- Independence Bay
- Natura
- Waterways at Quiet Waters
- Highland Village
- Waterford Homes / Waterford Courtyards
- Highland Meadows Estates East
- Country Knolls
- The Enclave at Waterways

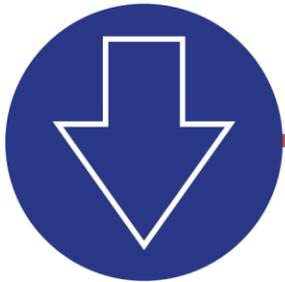
- **Businesses:**

- Publix Distribution Center
- Newport Center
- Quiet Waters Business Park

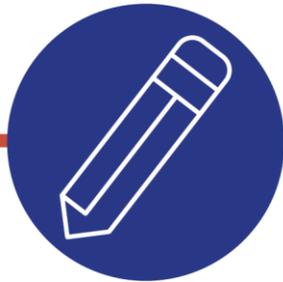
# **Phased Design-Build Delivery**

# Phased Design-Build Benefits

- Design, phasing and construction of combined projects managed by one design-build team – reduces cost, claim and schedule risks
- Minimizes disruption to stakeholders and traveling public by reducing construction duration



**Reduced Time and Cost for Owner & Industry through Qualifications-Based Selection**



**Collaboration Produces Innovation and Optimization of Scope**



**Partnering on Risk Management**



**Early Opinions of Construction Cost to Confirm Design**



**Competitive Bidding of Work Packages Creates Subcontractor Opportunities**



**Transparent Review of Bids and Costs**

# Phased Design-Build Process

**PLANNING  
ACTIVITIES**

**WORK PACKAGE 1**

**PRECONSTRUCTION  
& PRELIMINARY  
DESIGN ACTIVITIES**

**GMP  
SET**

**FINAL DESIGN AND CONSTRUCTION ACTIVITIES**

**WORK PACKAGE 2**

**PRECONSTRUCTION  
& PRELIMINARY  
DESIGN ACTIVITIES**

**GMP  
SET**

**FINAL DESIGN AND CONSTRUCTION ACTIVITIES**

**WORK PACKAGE X\***

**PRECONSTRUCTION  
& PRELIMINARY  
DESIGN ACTIVITIES**

**GMP  
SET**

**FINAL DESIGN AND CONSTRUCTION ACTIVITIES**

**PROJECT  
COMPLETE**

**\*Number of work packages TBD**

***Legend***

- PLANNING PHASE**
- PRECONSTRUCTION PHASE**
- GUARANTEED MAXIMUM PRICE (GMP)**
- CONSTRUCTION PHASE**

# Anticipated Project Timeline

## • SW 10<sup>th</sup> Street Connector Project

- Advertise for Phased Design-Build Contract: **September 2023**
- Contract Execution (Planning Phase): **March 2024**
- Begin Construction (Early Works): **December 2024**
- End Construction / Final Acceptance: **March 2031**

**Procurement**  
**9/23 - 3/24**

**Planning Phase**  
**3/24 - 12/24**

**Preconstruction Phase**  
**6/24 - 3/29**

**Construction Phase**  
**12/24 - 3/31**

# Planning Phase - Deliverables due 270 days after NTP

- Project Management Plan
- Quality Management Plan
- Phasing Plan
- Master Schedule
- Initial Risk Register
- Opinion of Probable Cost (OPCC)
- Establish a Project Office
- Planning Phase Preliminary Plans of Project
  - Pre-30% Roadway, Drainage, Temporary Traffic Control, Structures/Aesthetics, Utilities (including utility coordination for final Utility Master Plan), S&PM, Signalization, ITS, Lighting, Tree Relocation / Landscape Opportunity
  - 90% TSM&O Plans
- Survey
- Geotechnical Boring and Pile Settlement / Monitoring Plans
- Technical memorandums
- PD&E Re-evaluation(s) and SIMR Re-evaluation, if required

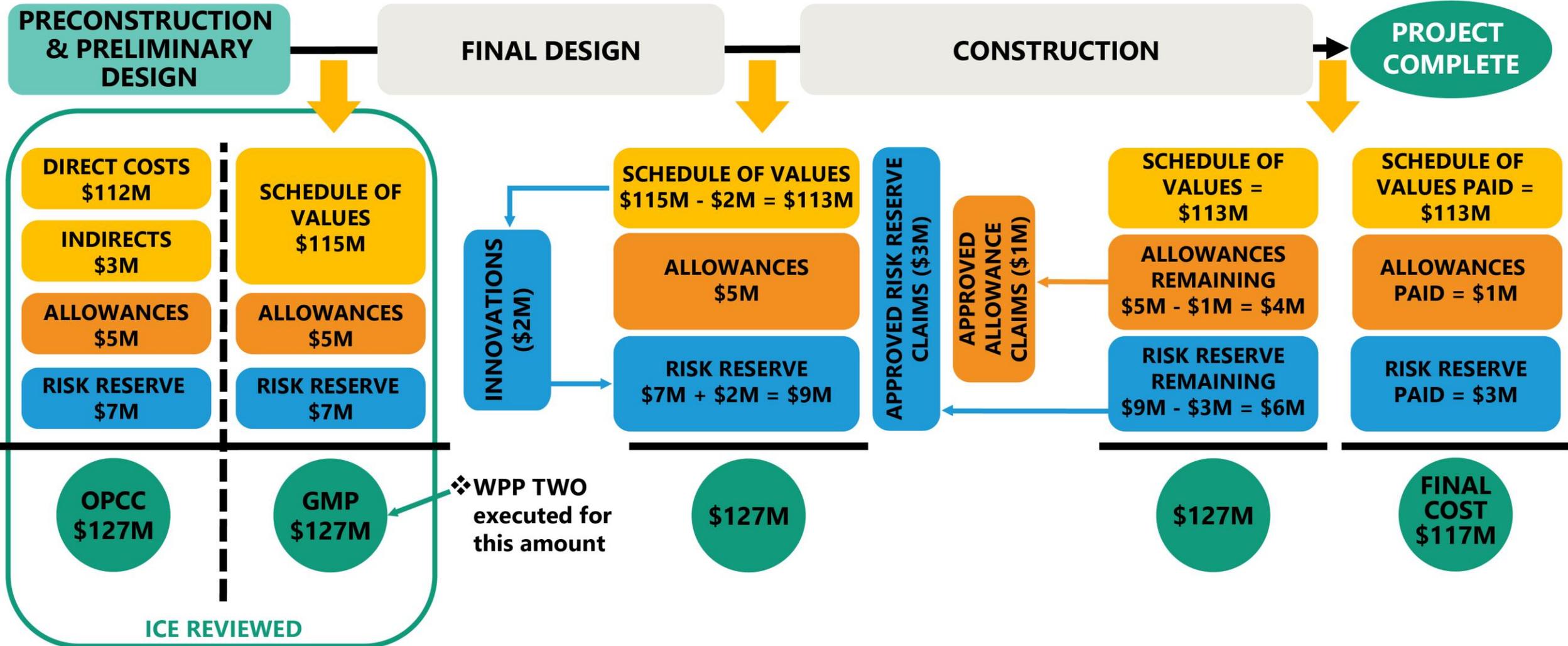
# Preconstruction Phase

- Update and Maintain Planning Phase Documents
- Prepare:
  - Community Awareness Plan
  - Safety Plan
  - Hurricane Preparedness Plan
  - Subcontractor Plan
  - OJT Plan
  - Project Technical Provisions
  - Designs to 90% (some low-risk packages may be bid at 60%, pending FDOT agreement)
- Develop alternatives to reduce schedule, reduce costs, or improve the project
- Continue ROW (ROW cleared in this phase) and utility third-party coordination
- Prepare Governmental Approvals and permits
- Continue conducting weekly design meetings
- Continue conducting site investigations and surveys
- Continue conducting regular risk and opportunity / innovation workshops; update and maintain Risk Register
- Continue developing and implementing mitigation plans for identified risks
- Perform constructability and maintainability reviews
- Develop OPCC at 60% and 90% or as requested by the Department
- Review OPCC at 60% and 90% milestones or as requested with the Department and ICE
- Solicit bids and select subcontractors
- Develop GMPs and Work Package Proposals (WPPs) through open book negotiations

# Work Package Proposals

1. GMP with backup documentation for ICE review
2. Schedule of Values
3. Work Package Schedule
4. The parties' respective obligations for obtaining any required Governmental Approvals
5. A list of the Design Documents used in preparation of the GMP, including a list of clarifications and assumptions made to supplement the information contained in the Design Documents
6. ROW acquisition responsibilities and schedule
7. The studies, plans, and reports generated as part of the Preconstruction Phase
8. Any requested changes to identified Key Personnel positions or the individuals serving in such positions
9. Technical Provisions
10. Risk Register
11. The Design-Build Firm's obligations to perform work under any Utility Agreements
12. Any other documents or information required by the Department
13. Any clarifications made by the Department under provisions of the RFQ
14. Additional obligations or requirements agreed to by both parties

# Work Package Example



# Risk Reserve

- The Risk Reserve included in a GMP for a WPP is used to cover unanticipated construction costs that are properly reimbursable
- After a Work Package is authorized, savings from approved innovations will be allocated to the Risk Reserve
- All claims allowed by the Standard Specifications must be paid from the Risk Reserve or Allowances
- The Design-Build Firm will be allowed to mark-up the direct work paid from the Risk Reserve category of the GMP
- Unused value of the Risk Reserve will be retained by the Department

# Allowances

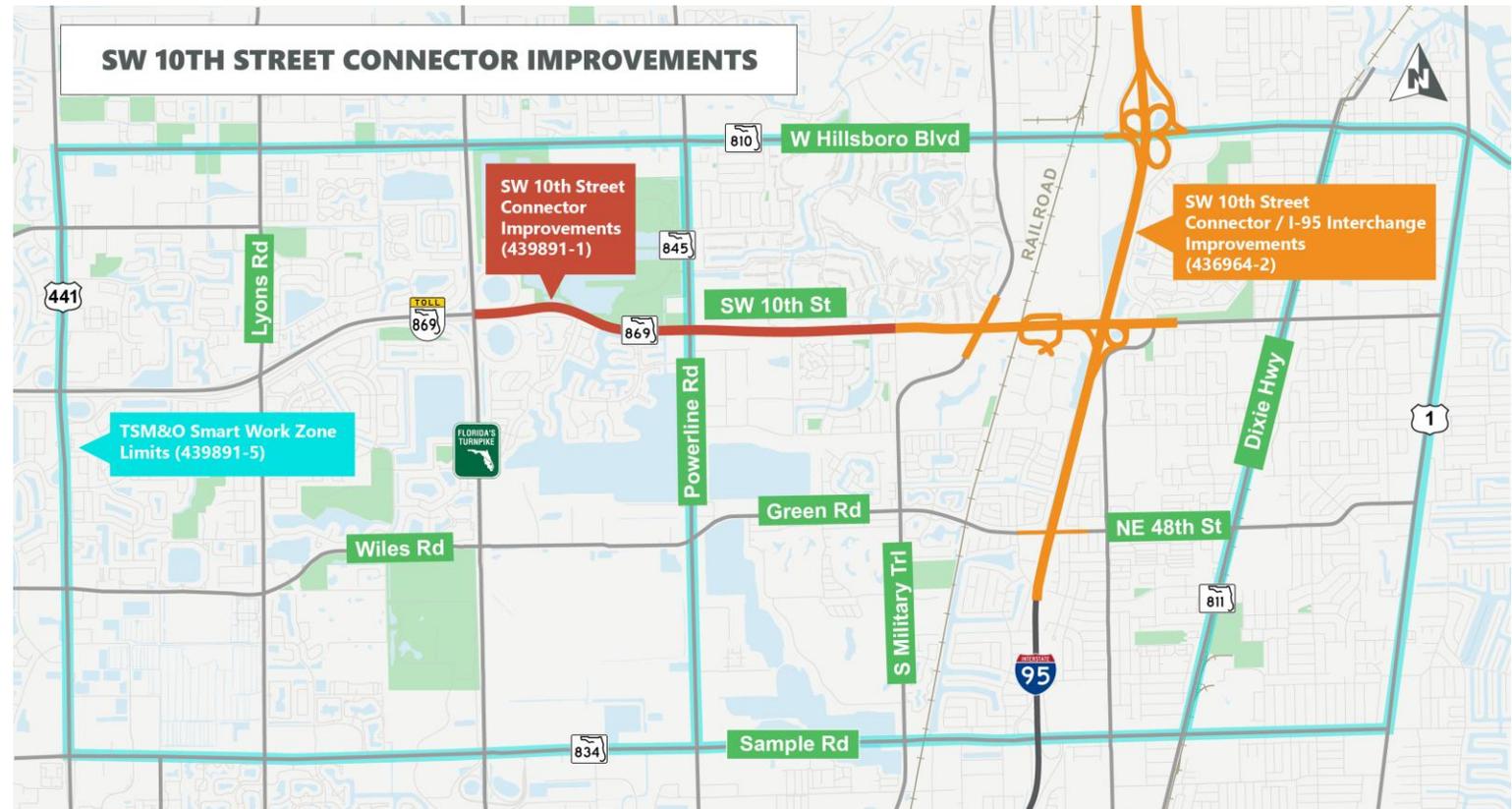
- Allowances shall cover the cost associated with any unexpected event the Design-Build Firm had no control over, or way to predict incurred costs
- The Design-Build Firm will be allowed to mark-up the direct work paid from the Allowance category of the GMP
- Unused value of Allowances will be retained by the Department

# CMGA Fee (Mark-Up)

- **Construction Management and General and Administrative Expenses (CMGA) Fee**
  - Allowed mark-up to cover Contractor costs of construction management, profit and home office overhead costs
  - Mark-up applied to direct cost of each Work Package (self-performed and subcontracted)
  - No mark-up to be applied on Designer costs; Planning Phase costs; Preconstruction, Contractor Project Management, or DRB task work orders; insurance, taxes and bonds
- **Subcontractor mark-up**
  - There is no additional subcontractor mark-up

# Programmed Funding

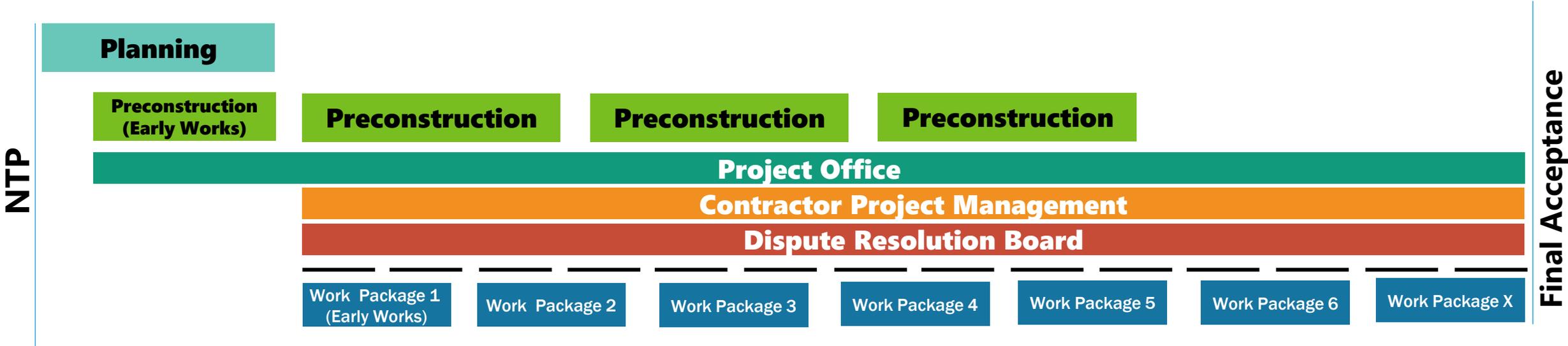
- TSM&O is fully funded in FY 24
- SW 10th Street Connector improvements are fully funded under two project components across FY24 and FY25



LEGEND		
	Programmed Year	Programmed Funding
 FPID 439891-5 - TSM&O	FY24	\$36M
 FPID 436964-2 – I-95 / SW 10th St. Connector	FY24	\$785M
 FPID 439891-1 – SW 10th Street Connector	FY 25	\$192M
<b>Total Programmed Funding</b>		<b>\$1 Billion+</b>

# Anticipated Task Work Order Structure

- Upon contract execution (Planning Phase only), the remainder of contract services will be issued through multiple task work orders
- The payment structure for routine and ITS maintenance responsibilities will be determined upon sufficient development of the Phasing Plan and Work Package composition

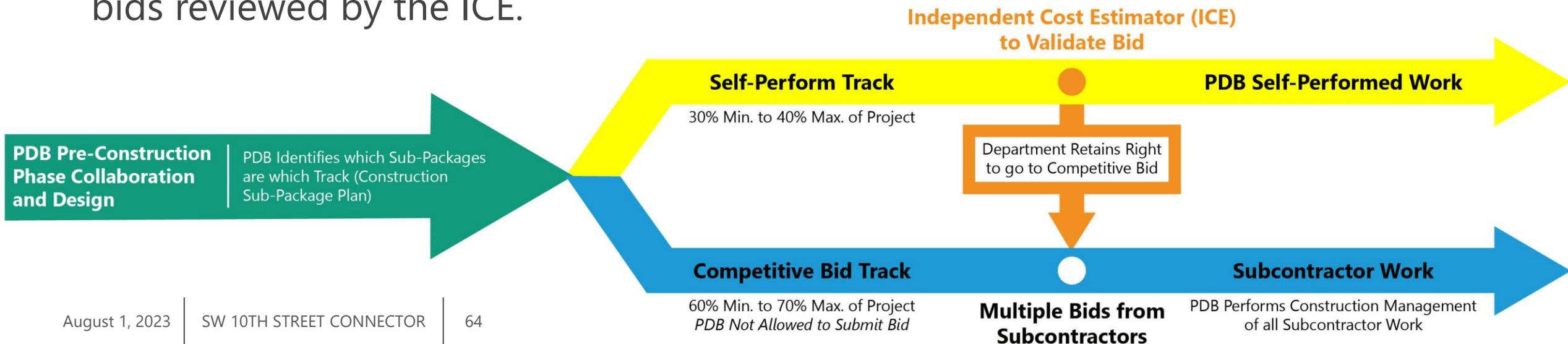


# Contract Terms

- The following terms of the contract will be negotiated after project award:
  - Contractor and Designer labor rates, escalation and / or renegotiation parameters, and multipliers
  - CMGA fee (mark-up)
  - Self-Perform maximum percentage
  - Jobsite and field office costs (as direct or indirect costs)

# Self-Performance and Subcontracting

- Design-Build Firm shall self-perform at least 30% but no more than 40% of the direct costs (including materials) associated with Construction Work
- Selection of Subcontractors based on approved Subcontracting Plan
- Prior to awarding any Subcontract for the Construction Work, the Design-Build Firm is to publicly solicit at least three competitive bids
- Should fewer than three competitive bids be received, the Design-Build Firm must seek approval from the Department to move forward. The Department may have bids reviewed by the ICE.



# Open Book Cost Estimating

## General Approach

- Estimates to be transparent, detailed, and in an open book format
- Basis of costs and cost development clearly defined
- Each Work Package to include Fuel and Bituminous adjustments as defined in the Design-Build Specifications (9.2.1.1 and 9.2.1.2)
- Use of cost estimating system customary for similar projects
- Subcontractor estimates are subject to Open Book Estimating requirements

# Coordination with Independent Cost Estimator (ICE)

- D4 has added Independent Cost Estimator (ICE) firms to their project team
- Collaboration and cooperation – The development of project costs, schedule, and risks will be open and transparent
- Multiple meetings with the ICE, including:
  - Initial Cost Meetings – establish fair price strategy and approach to bid analysis, labor/equipment rates, self-performed work, subcontractor quotes, and number of OPCCs/bids
  - Risk and Opportunity Workshops
    - Develop mitigation strategies and quantify/prioritize risks to establish Project Risk Reserve
    - Constructability reviews and quantity reconciliation
  - OPCC Meetings

# Bonding and Insurance

- **Bonding**

- Letter of Response to include an affidavit from a bonding company certifying the Design-Build Firm has the financial means and capacity to bond 100% payment and performance for \$350 million
- An executed bond for \$350 million shall be provided before the first Work Package is executed and maintained for the contract duration to cover all work under the contract

- **Insurance**

- A \$10 million Contractor's Protective Professional Indemnity (CPPI) insurance policy is a required and project-specific policy for the Project
- Any costs associated with additional coverage exceeding the \$10 million requirement will be at the Design-Build Firm's expense

# Liquidated Damages

- Liquidated damages may be assessed if the final completion date exceeds 2,562 days (subject to delay adjustments) from the first NTP.
- Liquidated damages may be negotiated and applied to individual Work Packages.

# Contract Bonuses

## SW 10th St. Connector / I-95 (436964-2 and 439891-1)

- Bonus program structure to be established upon sufficient development of the Phasing Plan and Work Package structure (\$24M available)
- Potential bonus contract work items are included in the RFQ

## TSM&O (439891-5)

- I/D Bonus for early completion (excluding Connected Vehicle components)
  - \$725,000 max. @ \$4,032 per day for max. 180 days

## Bonus Deduction

- A deduction of \$500,000 against bonus earned for each change to Key Personnel made within the first 3 years without good cause or to no fault of the Design-Build Firm.

# Innovation / Shared Savings

- Risk and opportunity / innovation workshops - promote a collaborative approach to innovative design concepts, components, strategies, processes and construction techniques to optimize the project scope
- The savings value for innovations approved after the issuance of a WP task work order will be allocated to the Risk Reserve
- The Design-Build Firm will be compensated a percentage (%) of the aggregated unspent savings (Shared Savings) upon final acceptance of the project

# **Procurement Process and Schedule**

# Minimum Qualifications for Responsive LOR

- Must be pre-qualified in all work types required for the Project
- Must meet technical qualification requirements for Florida Administrative Code (F.A.C.) Chapter 14-75 and all qualification requirements of F.A.C. Chapter 14-22 based on the applicable category of the Project
- Must present evidence of capacity to self-perform an amount equal to the required \$350 million payment and performance bond for the Project
- All Proposers that submit Letters of Response that meet these minimum qualifications, and otherwise comply with the RFQ submittal requirements, will be deemed responsive

# Qualifications-Based Selection Criteria

- The Letter of Response and Presentation with Questions & Answers session will be combined as the basis of selection, and scores assigned for the categories below

Item	Value
Qualifications, Similar Experience and Organization	35
Business Development Initiatives Approach	5
Safety Approach	10
Collaboration and Innovation Approach	30
Risk Management and Project Controls Approach	20
<b>TOTAL</b>	<b>100</b>

# Letter of Response and Presentation / Q&A

- **Qualifications, Similar Experience and Organization (35 points max.)**
  - Qualifications and organization including:
    - Teaming arrangements
    - Structure
    - Key leadership personnel
    - Discipline leads, staff
    - Roles/responsibilities
    - Location
    - Identify field staff and office staff on comparable scope of work and delivery method
  - Similar experience in large complex urban highway and bridge interchange reconstruction projects
  - Experience with large scale alternative delivery projects or programs similar in size and scope
  - Approach to self-performed work and subcontracting

# Letter of Response and Presentation / Q&A

- **Business Development Initiatives Approach (5 points max.)**
  - Approach to engage and encourage participation of subcontractors, suppliers, and other industry partners including DBE, SBE WBE and MBE firms
- **Safety Approach (10 points max.)**
  - Approach to improving safety for the traveling public and field staff, including the approach to minimizing impacts to traffic during construction, and innovative ideas to be employed
  - Safety history and metrics

# Letter of Response and Presentation / Q&A

- **Collaboration and Innovation Approach (30 points max.)**

- Approach to develop a culture of collaboration with the Department, its representatives, Project stakeholders and its own team including subcontractors and trades
- Address Project communications, stakeholder outreach, progressing the design, developing and negotiating Work Package Proposals and GMPs (including approach to working with the ICE), issue escalation and construction
- Approach to developing, evaluating and presenting innovations that improve the Project. The Design-Build Firm is to include relevant examples from projects listed in the Qualifications sections and specific ideas for the Project. Innovative concepts may be presented in the Letter of Response, but it is not the intent of the Department that these ideas be fully developed.

# Letter of Response and Presentation / Q&A

- **Risk Management and Project Controls Approach (20 points max.)**
  - Approach to identify, monitoring, mitigating and managing risks, including the use of contingency, risk sharing, and shared savings
  - Approach to cost control, transparency, schedule management, budget management, construction phasing, design quality management, and construction quality management

# Letter of Response and Presentation / Q&A

## • Financial Forms

- Completion of Staff Hour and Fee Estimation Worksheets provided in the RFQ Attachments to include the following information for the contractor, designer and surveyor team members for estimation of the Planning Phase work:
  - Labor classifications and blended (weighted) loaded rates for each classification
  - Projected staff hours and distribution percentages
  - Estimated expenses not covered in the Proposer's loaded rates
  - Estimated fee (total estimated Planning Phase fee shall not exceed \$TBD)
- Affidavit from a surety/bonding company certifying the Proposer has the financial means and capacity to provide a \$350 million payment and performance bond for the Project
- Submittal of the Financial Forms is required for the Proposer to be responsive to the RFQ, but will not be scored in the evaluation
- Information provided as part of the Financial Forms is not counted against the 25-page limit for the Letter of Response

# Presentation with Question-and-Answer Session

- To be conducted with each responsive Proposer
- **Presentation**
  - Duration – 45 minutes max.
  - Slide limitation: no more than 50 slides
  - Presentation may address any requirement of the RFQ
- **Question-and-Answer Session (Interview)**
  - Duration – 60 minutes max.
  - Department will ask questions of the Proposer and may be unique to each Proposer

# Technical Review Committee – Subject to Change

- Dan Hurtado, P.E., Central Office Chief Engineer
- Deborah Ihsan, P.E., D4 Assistant District Construction Engineer
- Mark Moshier, P.E., D4 Construction Senior Project Manager
- Anson Sonnett, P.E., D4 Consultant Management Engineer

# Procurement Schedule

<b>Date</b>	<b>Activity</b>
<b>September 5, 2023</b>	Official Advertisement with Final RFQ
<b>October 9, 2023</b>	Letters of Response Due
<b>October 16, 2023</b>	Posting of Qualified and Responsive Proposers List
<b>November 9, 2023</b>	Presentations with Questions and Answers
<b>December 4, 2023</b>	Final Selection Posting
<b>January 3, 2024</b>	Planning Phase Scope of Services and Staff Hour Negotiations
<b>March 4, 2024</b>	Anticipated Contract Execution

# For more information before Advertisement:

**Vanita Saini, P.E.** | FDOT Project Manager

Florida Department of Transportation, District Four  
3400 W. Commercial Blvd.  
Ft. Lauderdale, Florida 33309

Phone: 954-777-4468

Toll Free: 866-336-8435, ext. 4468

Email: [Vanita.Saini@dot.state.fl.us](mailto:Vanita.Saini@dot.state.fl.us)

**Project Website:** [www.SW10Street.com](http://www.SW10Street.com)

## SW 10TH ST. CONNECTOR

FDOT DISTRICT 4

# For more information after Advertisement:

**Maria Velarde, P.E.** | FDOT Senior Contract Specialist

Florida Department of Transportation, District Four

3400 W. Commercial Blvd.

Ft. Lauderdale, Florida 33309

Phone: 954-777-4084

Toll Free: 866-336-8435, ext. 4084

Email: [Maria.Velarde@dot.state.fl.us](mailto:Maria.Velarde@dot.state.fl.us)

**SW 10TH ST. CONNECTOR**

**FDOT DISTRICT 4**

# For more information after Advertisement:

Visit the **Bid Questions and Answers website** to submit questions to the Department

Proposal ID: E4V72

<https://fdotwp1.dot.state.fl.us/BidQuestionsAndAnswers/>

**SW 10TH ST. CONNECTOR**

FDOT DISTRICT 4

# For more information:

**Project documents** can be found on the FDOT FTP site:

<https://ftp.fdot.gov/file/d/FTP/FDOT%20LTS/D4/cc-admin/Design%20Build/E4V72/>

Login:

Username: **guest**

Password: **guest**

**SW 10TH ST. CONNECTOR**

FDOT DISTRICT 4



# Questions?

## **SW 10TH ST. CONNECTOR**

**FDOT DISTRICT 4**