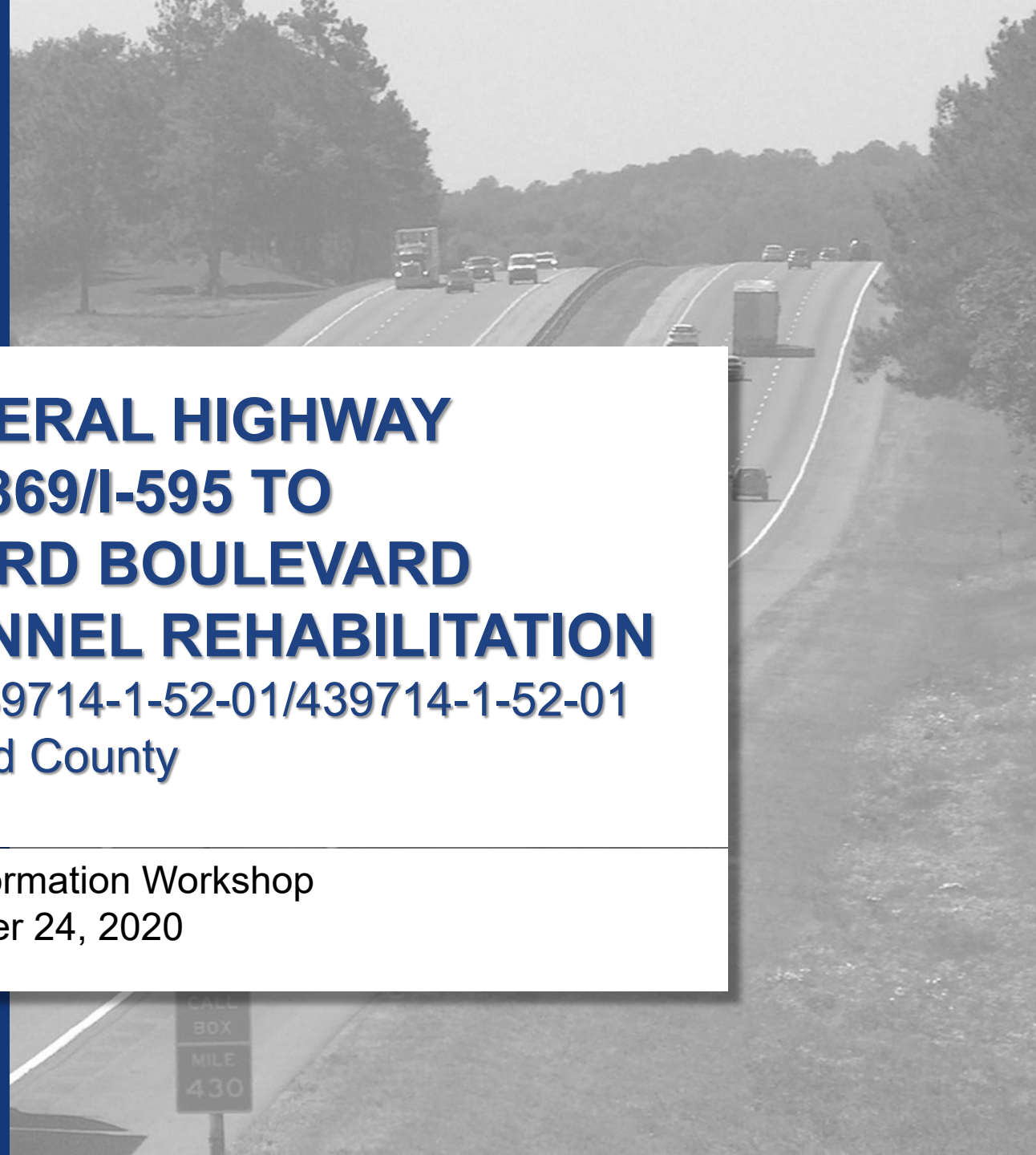




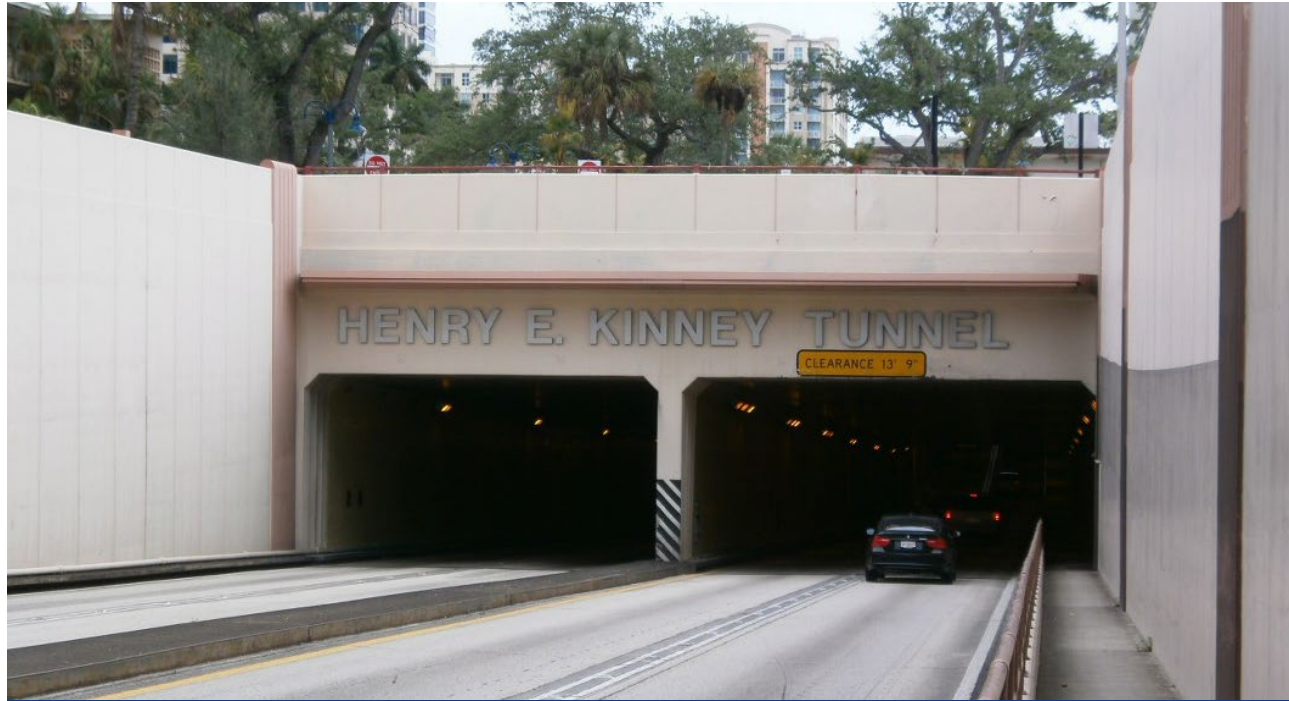
**SR 5/US-1/FEDERAL HIGHWAY  
FROM SR 869/I-595 TO  
SR 842/BROWARD BOULEVARD  
HENRY E. KINNEY TUNNEL REHABILITATION**

Project Identification Nos.: 439714-1-52-01/439714-1-52-01  
Broward County

Virtual Public Information Workshop  
September 24, 2020



# Startup and Welcome



WELCOME



# Welcome



WELCOME



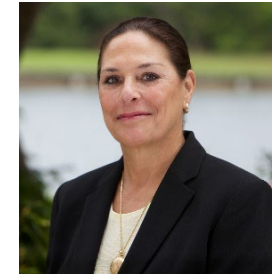
Commissioner Sorensen  
District 4



CITY OF FORT LAUDERDALE



# Meeting Purpose and Speakers



**Laila Haddad**  
Media Relations Group  
Public Information Officer



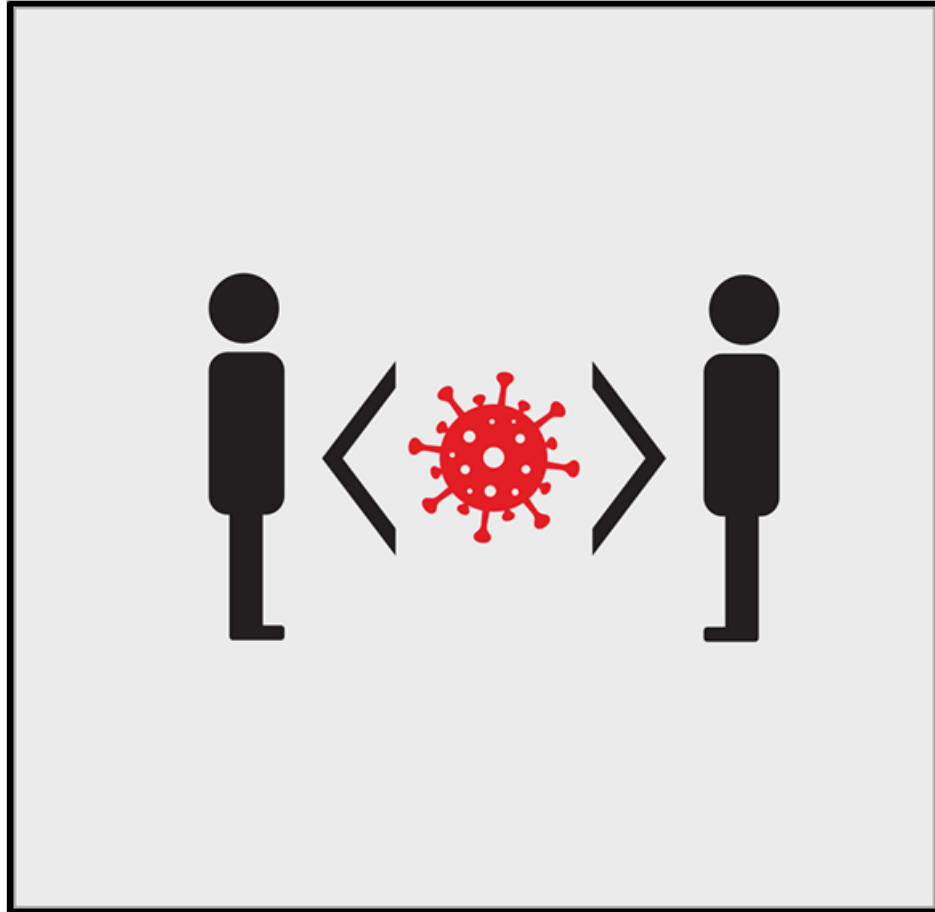
**Naldo Gonzalez, P.E.**  
Gannett Fleming, Inc.  
Project Manager



**Brian Shore, R.L.A.**  
Miller Legg  
Landscape Architect

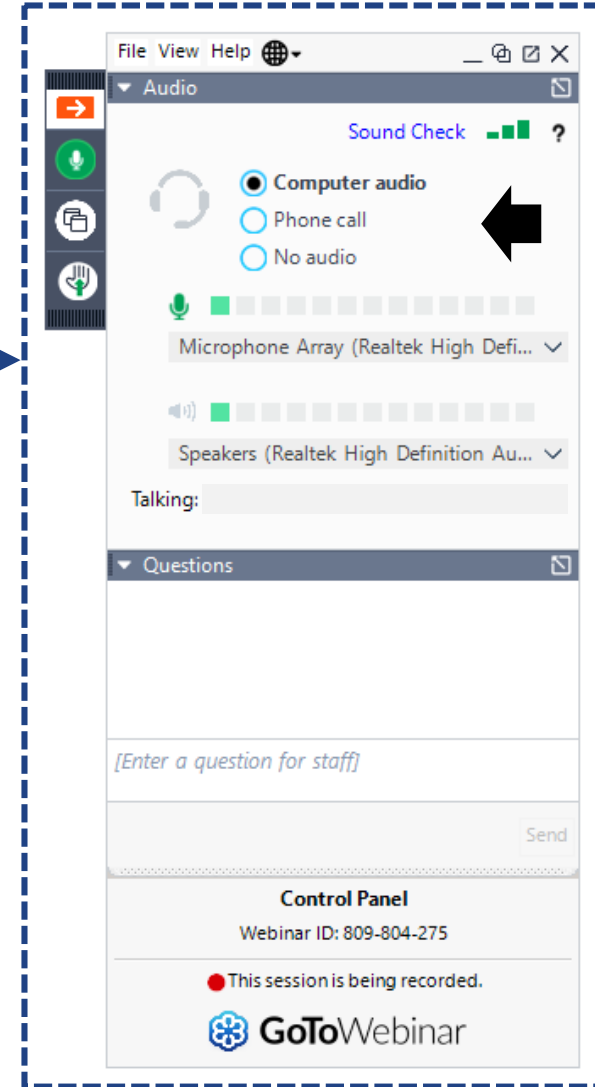


## About the Virtual Meeting Format



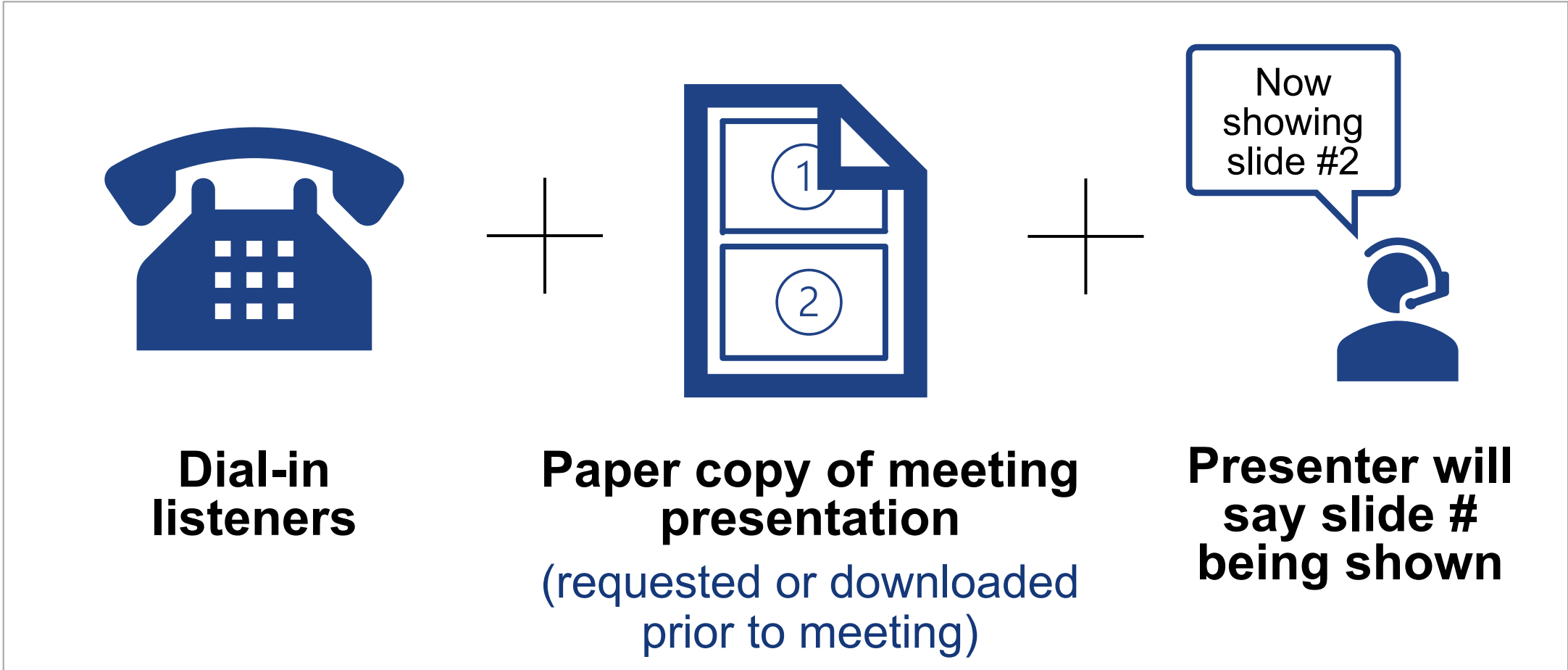
- **COVID-19 pandemic**
- **A State of Emergency is in effect (Executive Order 20-52)**
- **GoToWebinar online meeting platform**
- **No cost to the public to log-in or dial-in to the meeting**

# Technical Information





# Technical Information for Dial-in Attendees



## SCRIPT SECTION: Technical Information (Listen Only mode)



All attendees will be placed in **'Listen Only'** mode throughout the meeting.



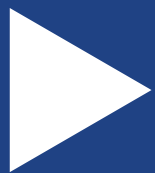
Type your comments or questions in the control panel **Questions pane.**



**Responses** to comments and questions will be provided later.

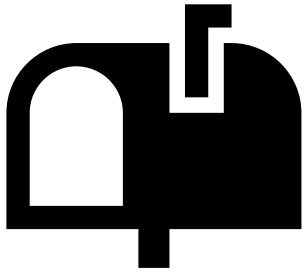


## Technical Information (Technical Issues)



This meeting is being recorded.

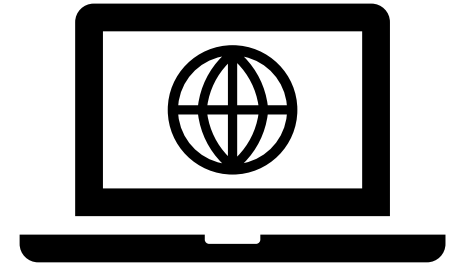
# Virtual Public Meeting - Public Notice



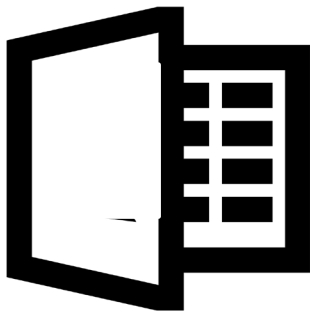
Property owner/tenant letters



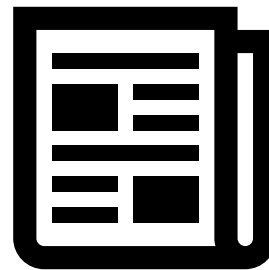
Emails to project contacts list



Department or project webpage



Florida Administrative Register



Newspaper



Social media



## Non-discrimination Statement and Contacts

The Florida Department of Transportation is required to comply with various **non-discrimination laws and regulations**, including **Title VI of the Civil Rights Act of 1964**.

**Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability, or family status.**

Persons wishing to express concerns about Title VI may do so by contacting either:

**District Title VI Coordinator, Florida Department of Transportation**

Sharon SignhHagyn  
3400 West Commercial Boulevard  
Fort Lauderdale, Florida 33309  
(954) 777-4190

[Sharon.SignhHagyan@dot.state.fl.us](mailto:Sharon.SignhHagyan@dot.state.fl.us)

**Statewide Title VI Coordinator, Florida Department of Transportation**

Jacquelin Paramore  
605 Suwannee Street MS 65  
(850) 414-4753

[Jacqueline.Paramore@dot.state.fl.us](mailto:Jacqueline.Paramore@dot.state.fl.us)

## Public Comment

### During meeting



Type comments or questions in the **Questions pane** on the control panel.

### After meeting

1. Fausto.Gomez@dot.state.fl.us



2. 3400 W. Commercial Boulevard  
Fort Lauderdale FL 33309



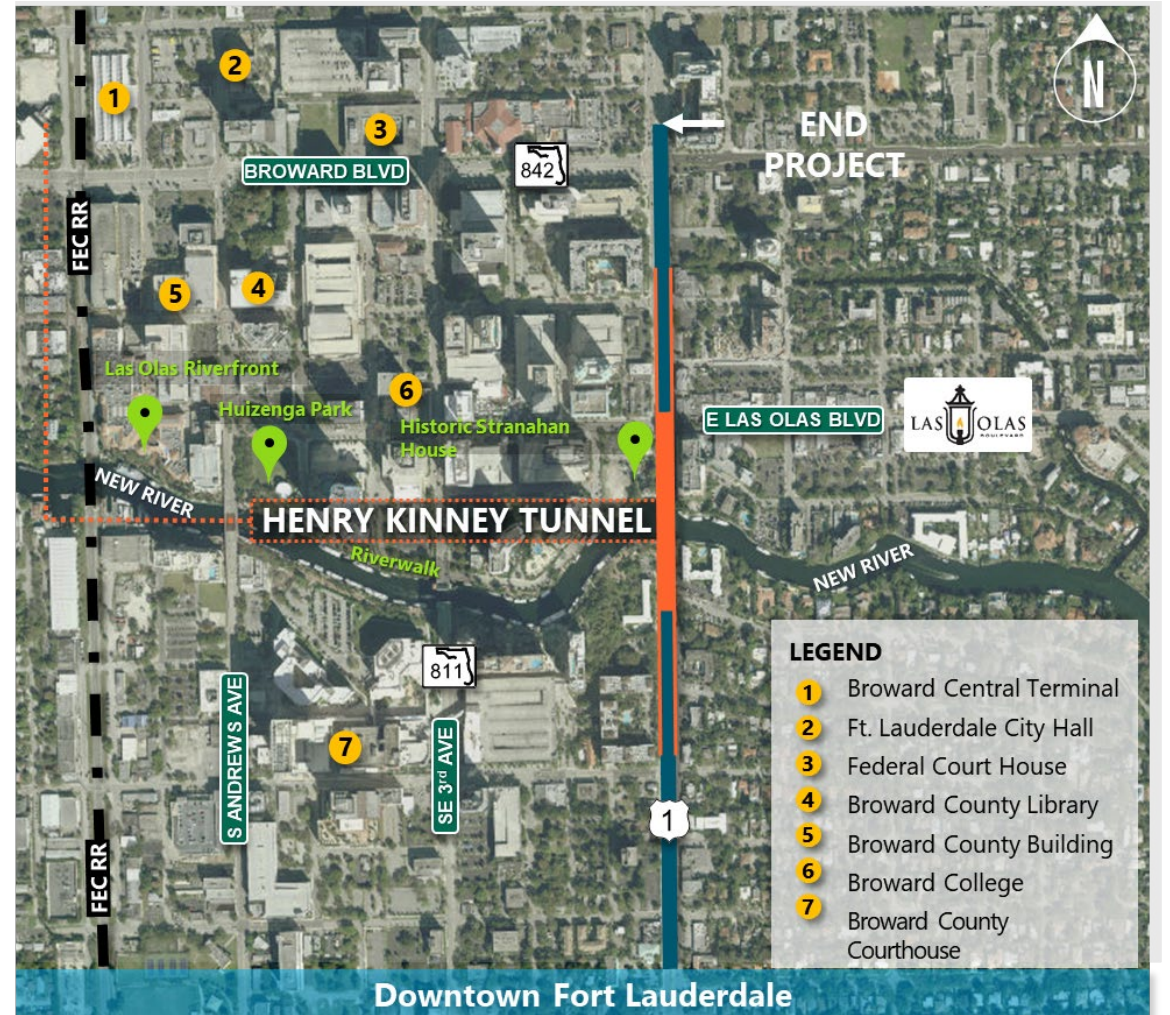
3. (954) 777-4466 or  
Toll Free (866) 336-8435; Ext. 4466



# Project Location



SR 5/US-1/Federal Highway from I-595 to north of Broward Boulevard in Fort Lauderdale, Florida



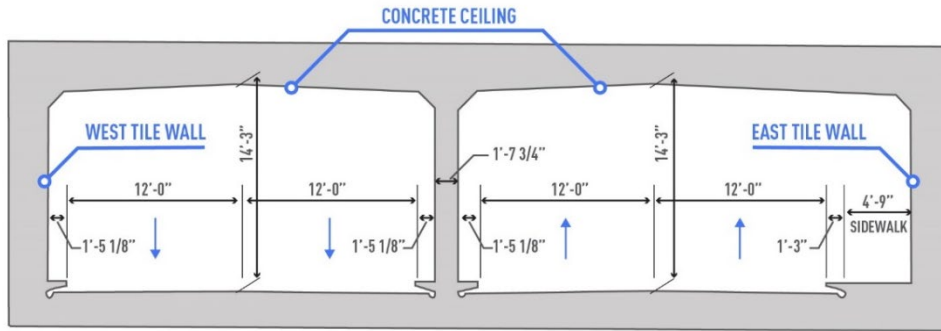


## Purpose and Objectives

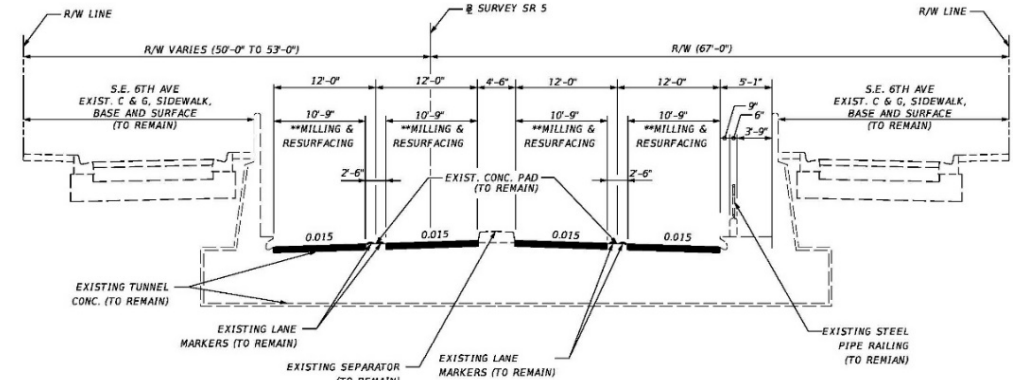
- **Rehabilitate the Henry E. Kinney Tunnel** to meet the latest federal, state, and local standards and guidelines for architecture, structural, mechanical, electrical, and life safety
- **Improve safety and mobility on US-1**
- **Enhance East Las Olas Boulevard at SE 6th Avenue** for a livable community



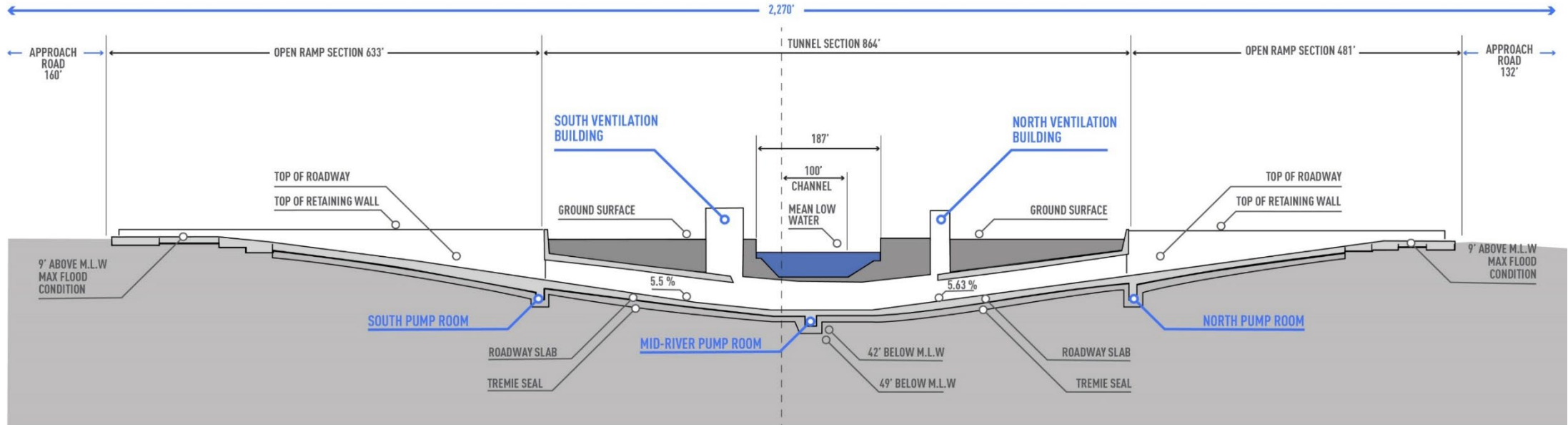
# Existing Conditions – Tunnel



**DOUBLE-BARREL TUNNEL TYPICAL SECTION**



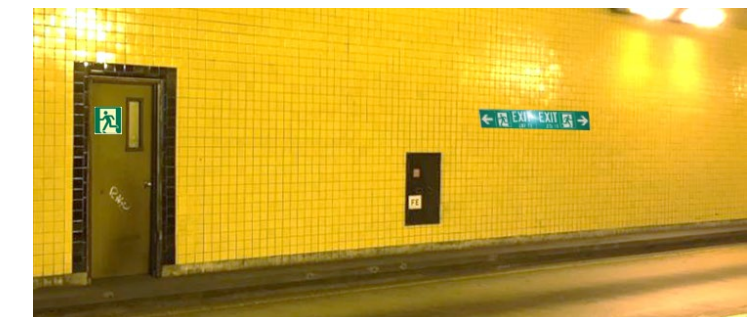
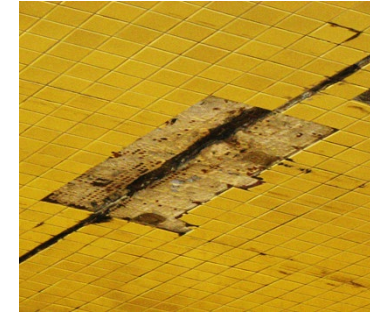
**OPEN RAMP TYPICAL SECTION**



# Proposed Improvements

## Tunnel Rehabilitation

- Structural
  - Remove delaminated tiles
  - Repair spalls
- Architecture/Civil
  - Repair South Ventilation Building
  - Install impact attenuators at portals
  - Replace drainage grates (for bicycles)
- Mechanical
  - Replace pumps and ventilation fans
  - Install detectors for hazardous gases
- Electrical
  - Replace lighting with LED
  - Replace control systems and wiring
- Life Safety
  - Install exit signage in tunnel
  - Replace fire detection system and valves





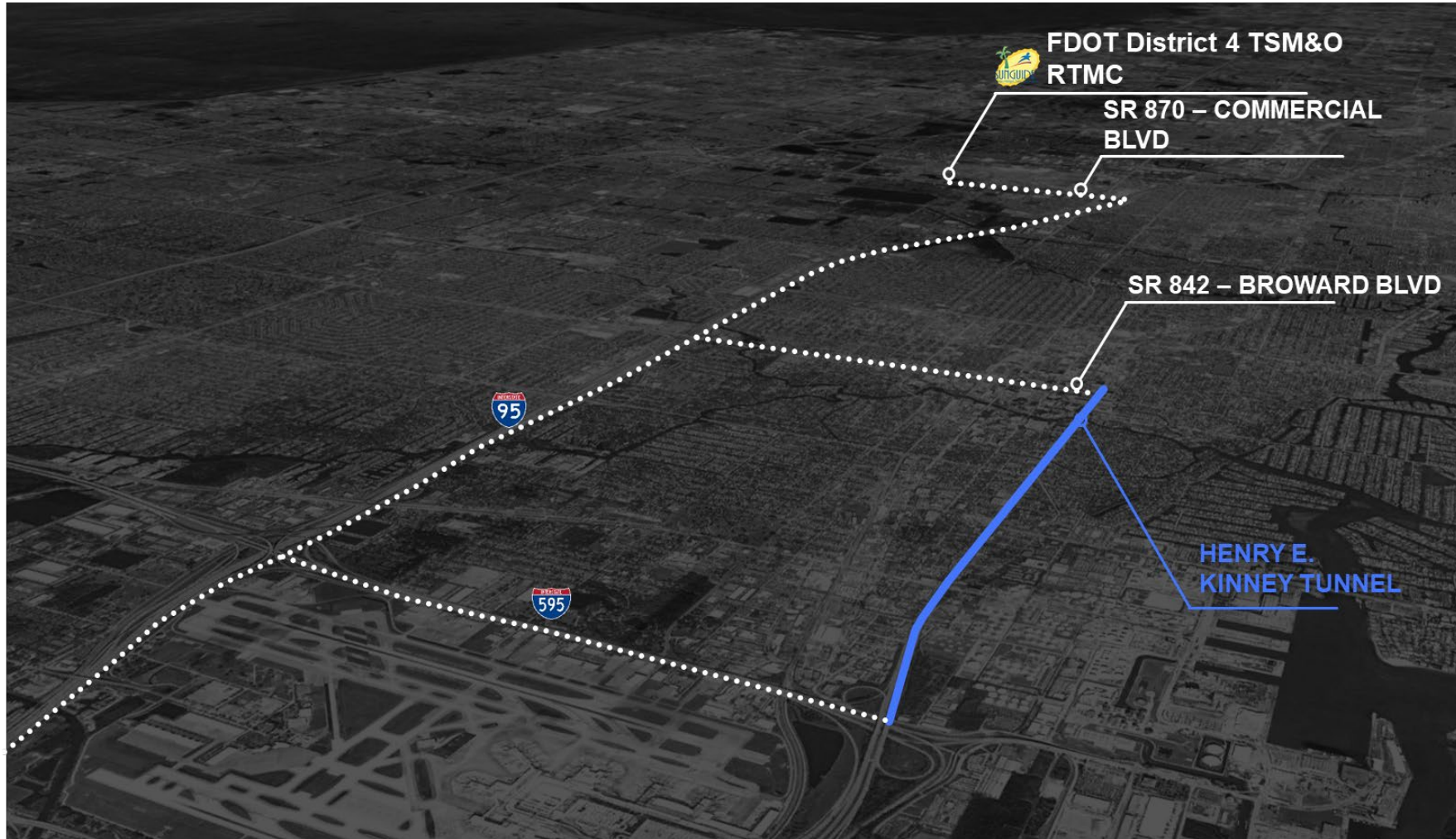
# Proposed Improvements

## Improve Safety and Mobility

- Adaptive Traffic Signal Control (ATC) System on US-1 at:
  - SE 30<sup>th</sup> Street
  - SE 28<sup>th</sup> Street
  - SR 84/Marina Boulevard
  - SE 17<sup>th</sup> Street
  - Davie Boulevard
  - SE 9<sup>th</sup> Street
  - SE 7<sup>th</sup> Street
  - Broward Boulevard



# Intelligent Transportation System (ITS)





# Proposed Improvements

## Tunnel Intelligent Transportation System (ITS) Elements



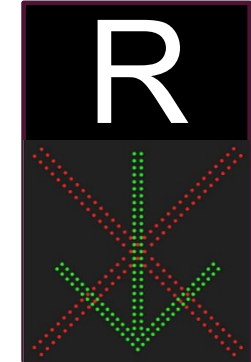
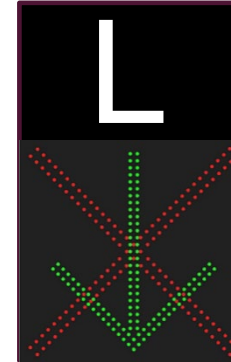
ROADWAY CCTV  
CAMERA AND TRAFFIC  
SENSOR (MDVS)



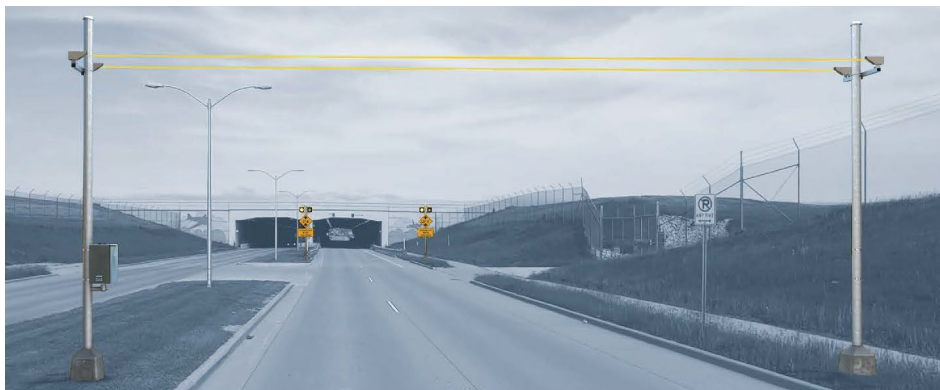
WARNING  
GATE



FLASHING  
BEACON



TUNNEL TRAFFIC  
CONTROL DEVICE



OVER HEIGHT DETECTION SENSORS



BLUETOOTH (AVI)  
READERS



ARTERIAL DYNAMIC MESSAGE SIGNS (ADMS)



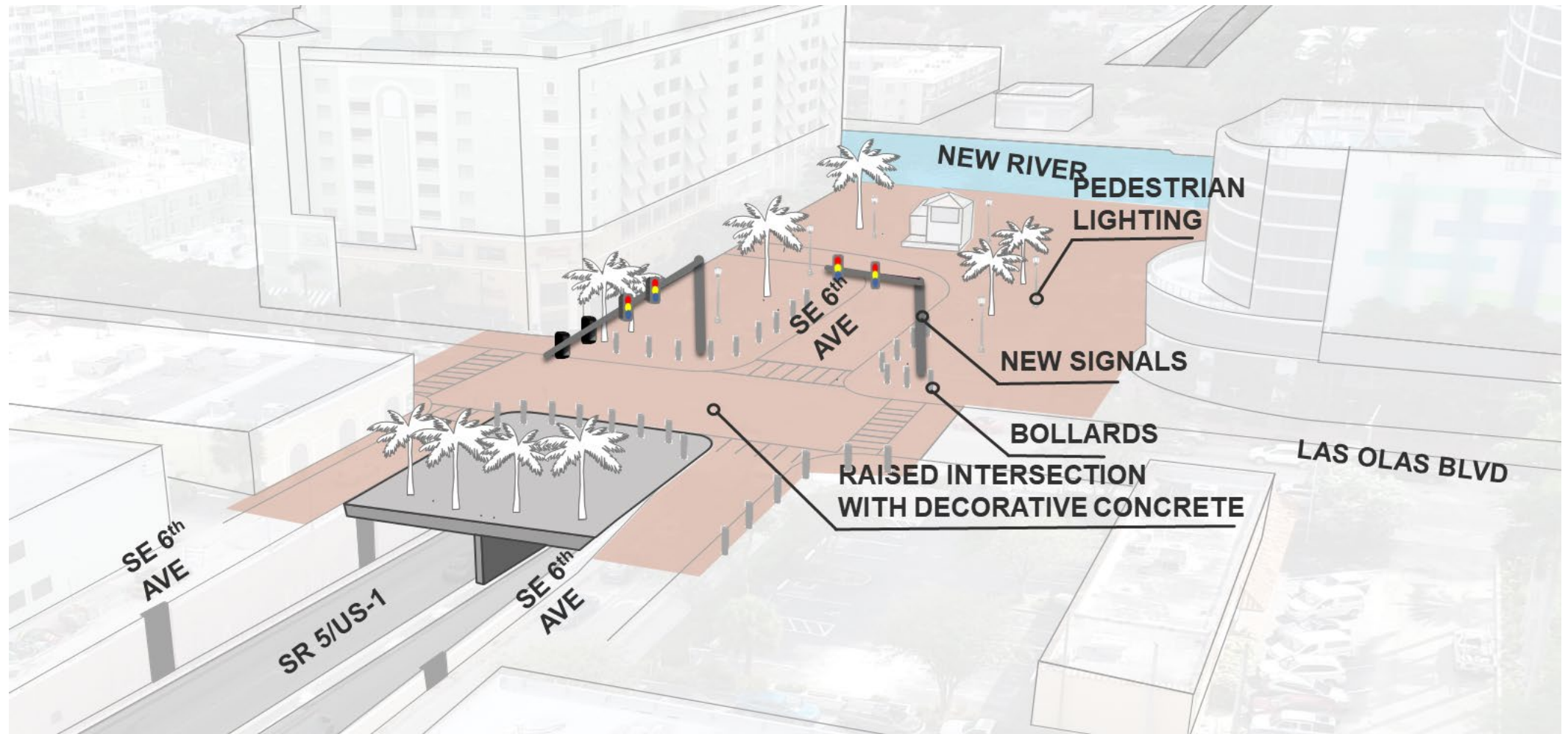
# Existing Conditions





# Proposed Improvements

## Tunnel Top Pedestrian Plaza



## Proposed Improvements

### Tunnel Top Pedestrian Plaza

- City of Fort Lauderdale Local Funded Agreement (\$10.6M)
- FP ID 439714-1-52-02
- Funded by City's Park Bonds
- Improves sight distance for SE 6<sup>th</sup> Avenue Southbound at Las Olas Boulevard
- Enhance Las Olas Boulevard at SE 6<sup>th</sup> Avenue:
  - Construct New Pedestrian Plaza/Tunnel Extension (117-ft)
  - Raised intersection
  - Reconstruct North ventilation building
  - Reconstruct SE 6th Ave and Laura Ward Riverwalk Plaza
  - Install hardscape and landscape
  - Replace signals with new mast arms





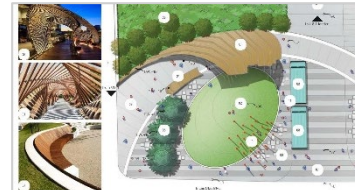
# Proposed Improvements

## Tunnel Top Pedestrian Plaza – Coordination and Public Outreach

- Previous concepts and public meetings
  - Downtown Development Authority (DDA) 2013 Concept
  - City’s Structural Study of North Deck Extension 2015
  - FDOT Locally Funded Agreement (LFA) Concept 2017
  - Presentations and Public Meetings
    - Commission Meetings
    - Public Meeting on April 24, 2019
    - Public Meeting on November 25, 2019
    - Parks, Recreation, & Beaches Advisory Board Meeting on January 22, 2020 approves funding for final design and construction



DDA Concept (2013)



Public Meeting Concept (April 2019)



Final Concept (Jan. 2020)



**CITY OF FORT LAUDERDALE**  
**PUBLIC MEETING NOTICE**  
**TUNNEL TOP PLAZA**  
**WEDNESDAY, APRIL 24, 2019 | 5:30-7:30 PM**  
 Historic Stranahan House | 333 SE 6th Avenue, Fort Lauderdale, FL 33301  
 Parking Available at Riverside Hotel Garage on SE 4th Street, behind Riverside Hotel

Neighbors are invited to attend and share your thoughts about the two proposed alternatives for the new Tunnel Top Plaza that will be constructed on the north side of Las Olas Boulevard at Henry Kinney Tunnel as part of an upcoming tunnel rehabilitation project.

The meeting will be an open house format and will include collecting input through voting and surveys to determine design and landscaping elements, programming ideas, shade structure shapes, and much more.

This is the only planned public meeting before the design is finalized. We hope to see you there!

If you would like additional information, please contact Christine Fenchel, Engineering Design Manager, at (954) 828-4828 or [cfenchel@fortlauderdale.gov](mailto:cfenchel@fortlauderdale.gov).

If you would like this publication in an alternate format or if you need reasonable accommodation to participate in this event, please call (954) 828-4828 or [access@fortlauderdale.gov](mailto:access@fortlauderdale.gov).

**CITY OF FORT LAUDERDALE**  
**PUBLIC MEETING NOTICE**  
**TUNNEL TOP PLAZA**  
**MONDAY, NOVEMBER 25, 2019 | 5:30-7:30 PM**  
 Historic Stranahan House | 333 SE 6th Avenue, Fort Lauderdale, FL 33301  
 Parking Available at Riverside Hotel Garage on SE 4th Street, behind Riverside Hotel

Following the public meeting in April, the scope of the project has been expanded to extend the size of the plaza and establish a connection to Las Olas Plaza through improvements to Las Olas Boulevard and SE 4th Street between both plazas.

Join the project team, including representatives from the Florida Department of Transportation (FDOT), to review new concepts of the proposed improvements to the area. The meeting will begin with a short presentation followed by an open house to meet to collect community input regarding material types and colors, landscaping alternatives, and programming ideas.

The public comments received at this meeting will inform the final engineering design. We look forward to seeing you!

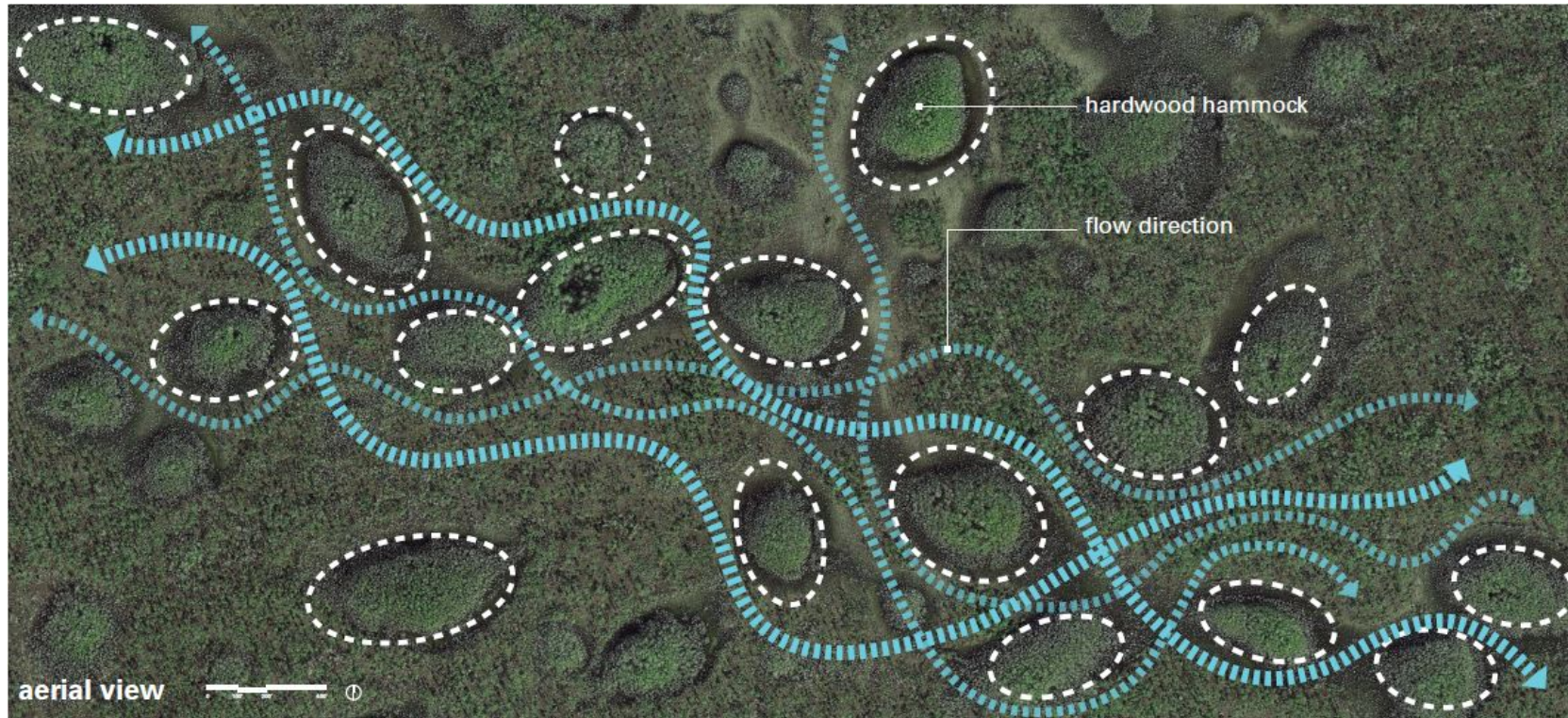
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# Proposed Improvements

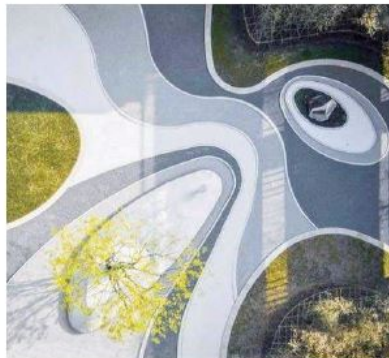
## Tunnel Top Pedestrian Plaza





# Proposed Improvements

## Tunnel Top Pedestrian Plaza





# Proposed Improvements

## Tunnel Top Pedestrian Plaza



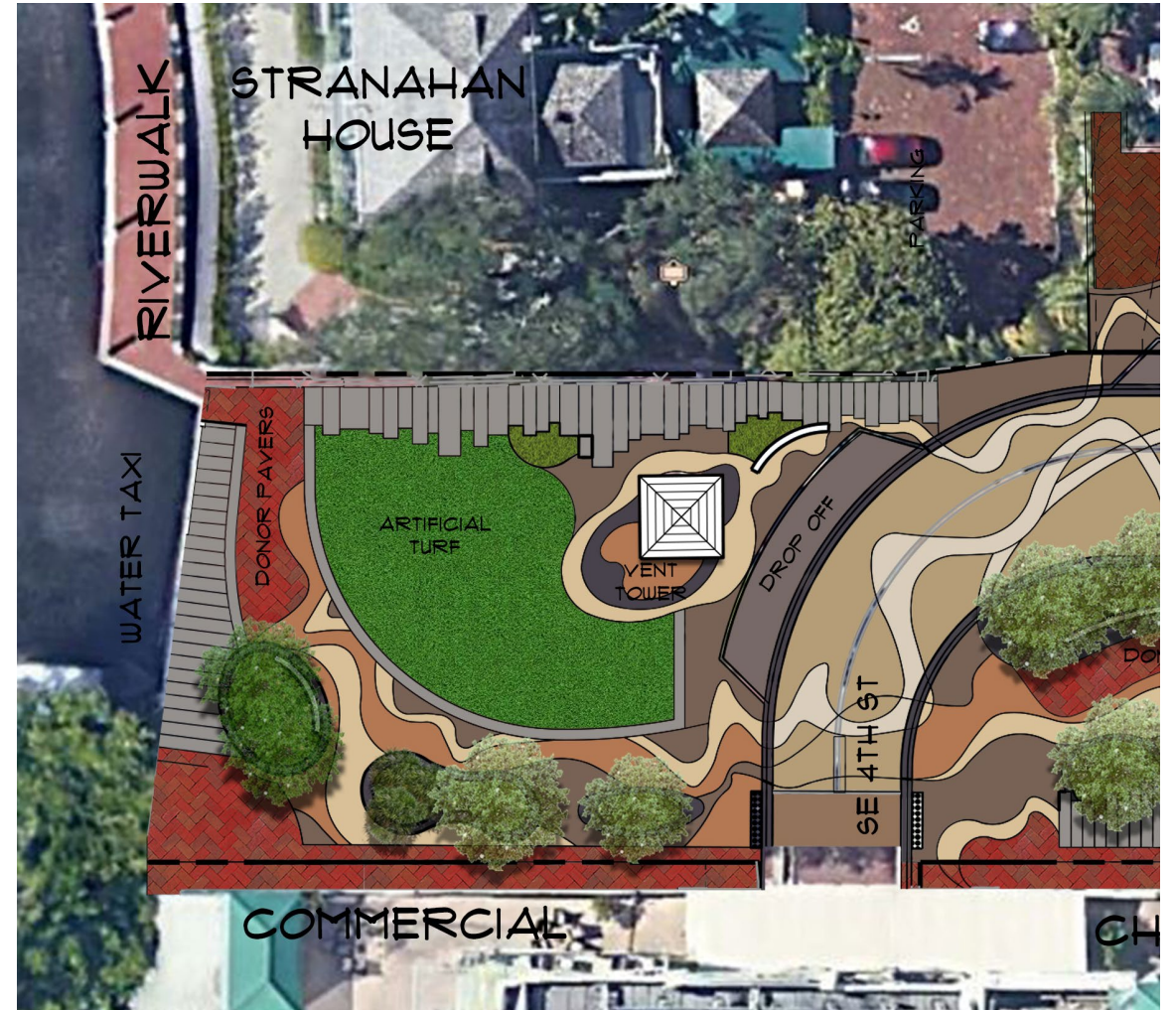


# Proposed Improvements

## Laura Ward Plaza

### Key Features:

- Trail head for Riverwalk
  - Connection to Las Olas
- Artificial turf event space
- Water Taxi improvements
  - Defined space
  - Seating
  - Shade
  - Lighting
- Vent Shaft improvements
  - Increase pedestrian space and opportunity for interpretative panels
- Planting focused on native canopy



# Proposed Improvements

## Riverside Hotel & ICON Plazas

### Key Features:

- Redefined cohesive patterned pavement to enhance flowing concept
  - Provides transition of "the canvas"
  - Preservation of Riverwalk donor pavers
- Renovation of fountain
- Preservation of access to Stranahan House
- Planting focused on native canopy



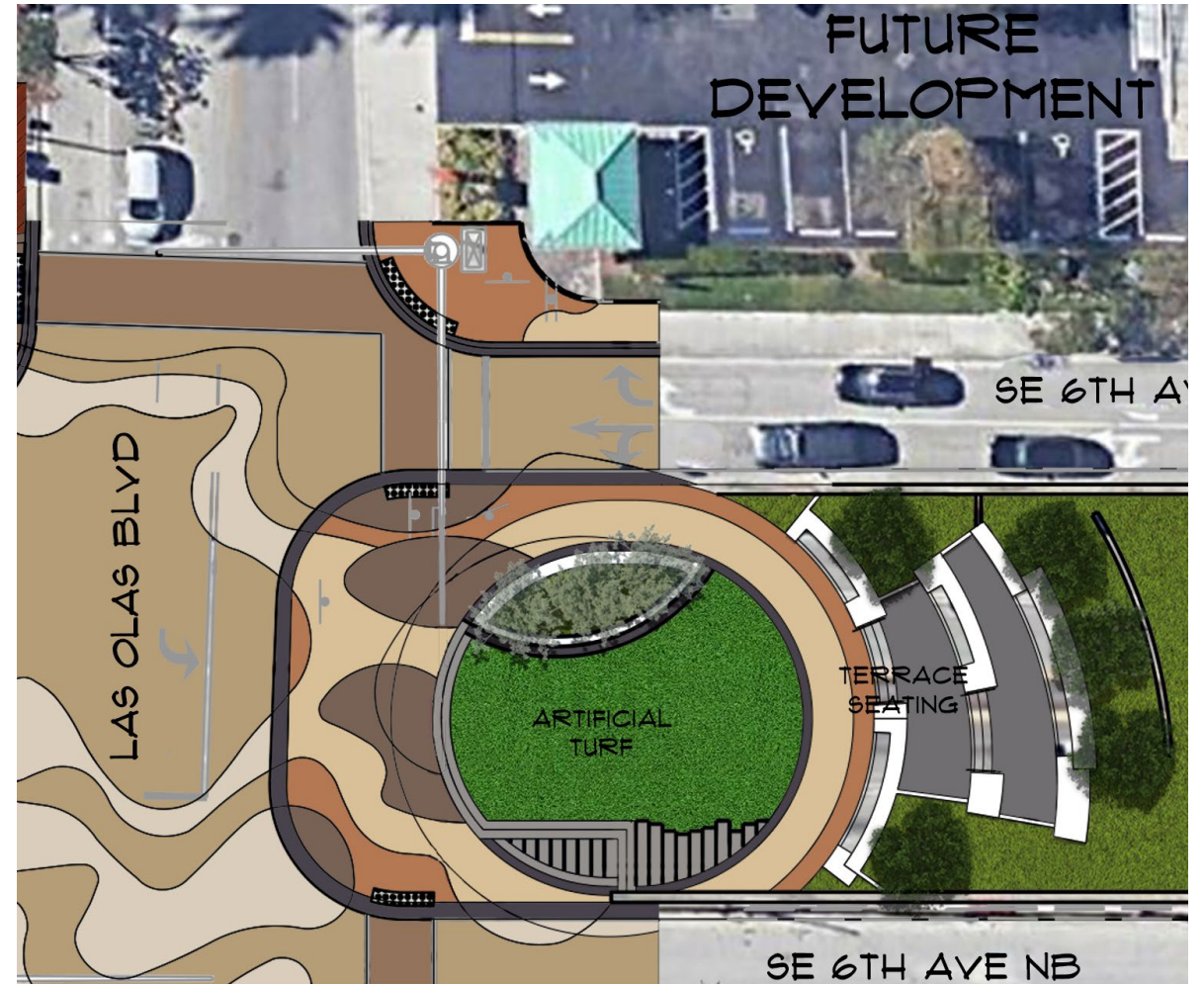


# Proposed Improvements

## Tunnel Top Plaza

### Key Features:

- Terrace seating
  - Elevated view to New River
  - Thematic head spring flowing to New River
- Elevated artificial turf play space
- Planting focused on native canopy





# Proposed Improvements

## Tunnel Top Pedestrian Plaza



Images from preliminary concept



# Proposed Improvements

## Tunnel Top Pedestrian Plaza



Images from preliminary concept



# Proposed Improvements

## Tunnel Top Pedestrian Plaza



Images from preliminary concept



# Proposed Improvements

## Tunnel Top Pedestrian Plaza

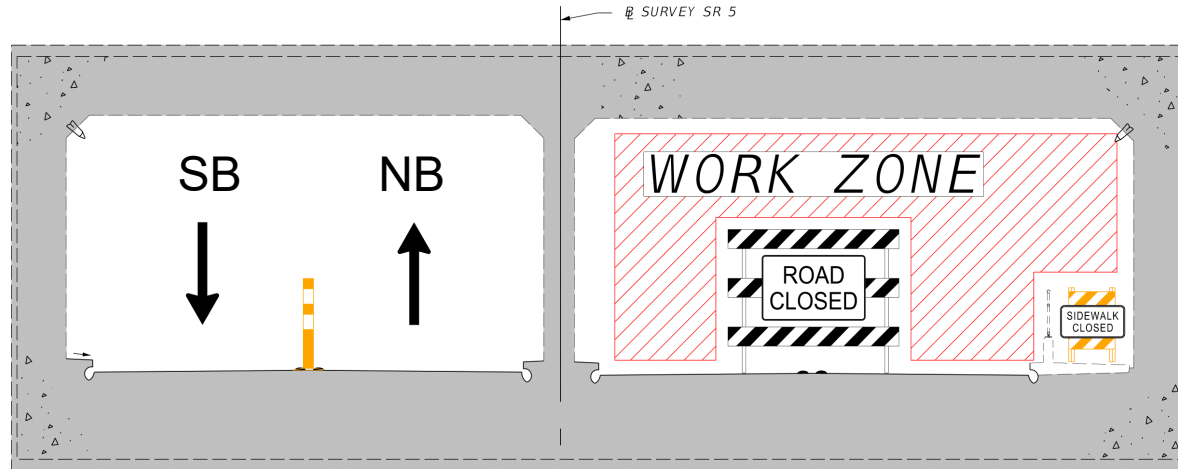


Historic  
Preservation  
Consultation

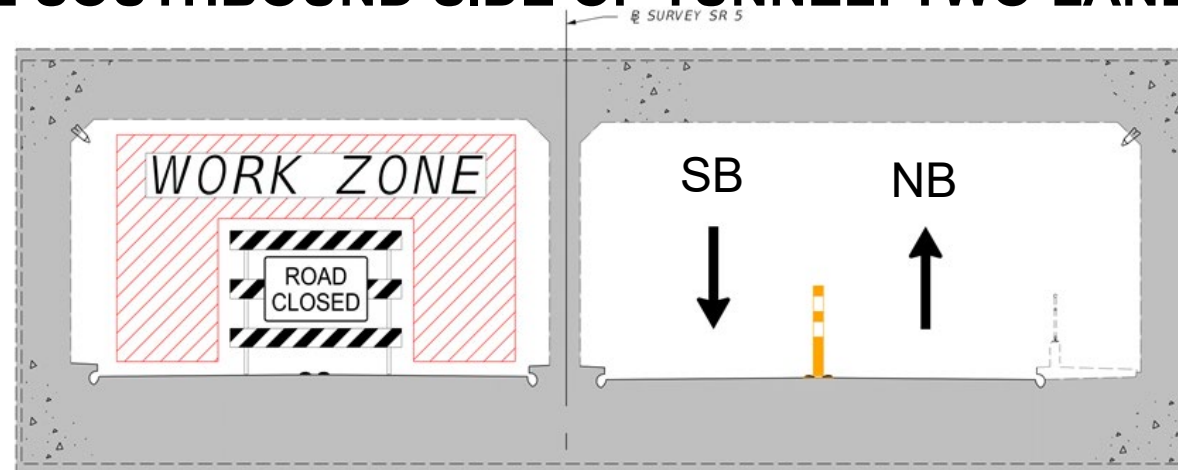


# Traffic Control Plan

## TCP 1 - CLOSE NORTHBOUND SIDE OF TUNNEL: TWO-LANE TWO-WAY TRAFFIC



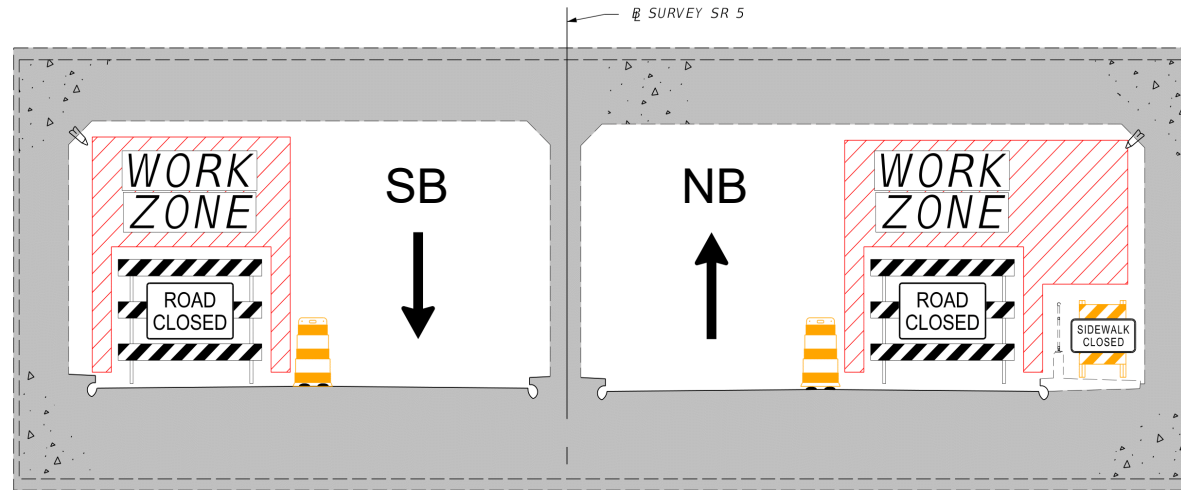
## TCP 2 - CLOSE SOUTHBOUND SIDE OF TUNNEL: TWO-LANE TWO-WAY TRAFFIC



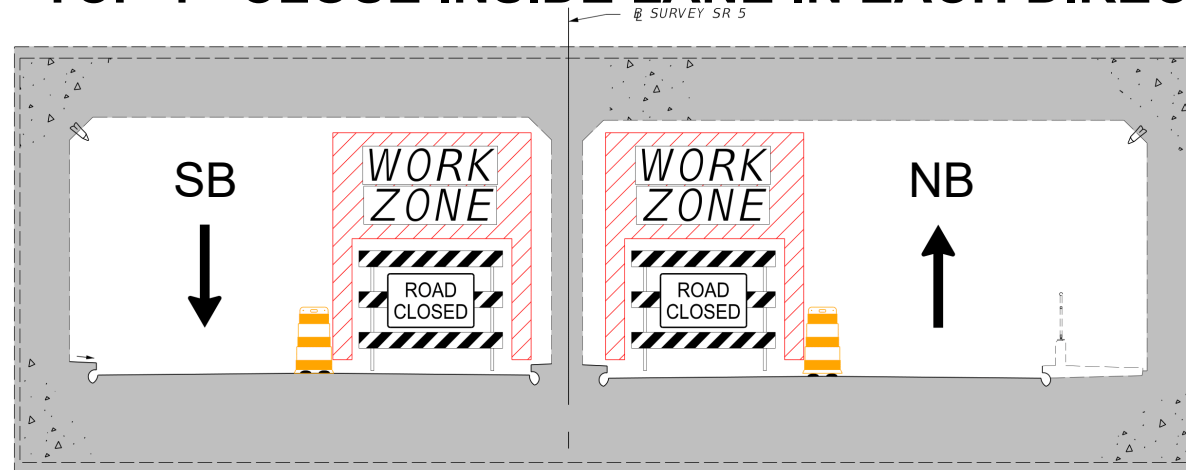


# Traffic Control Plan

## TCP 3 - CLOSE OUTSIDE LANE IN EACH DIRECTION



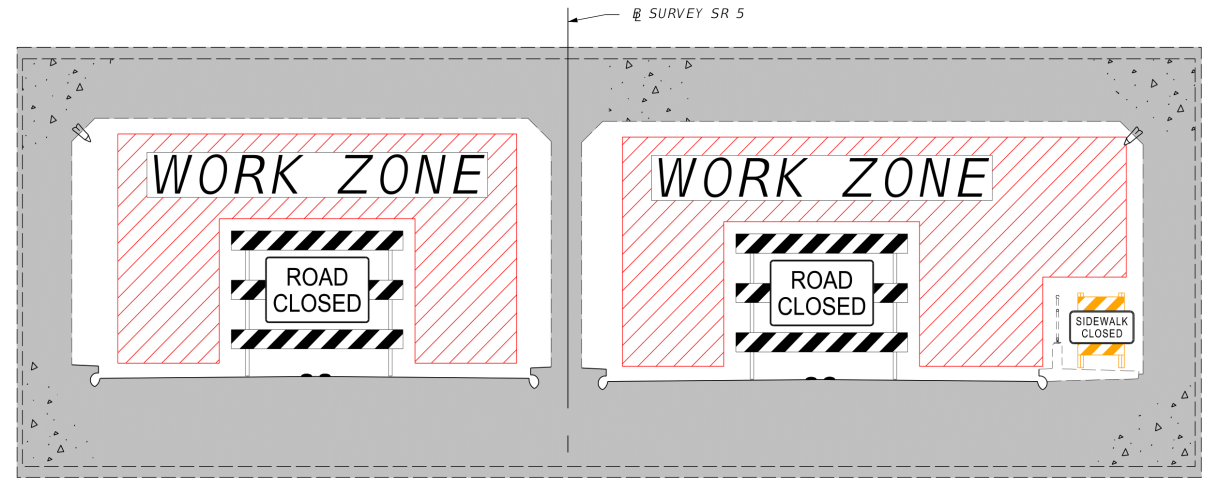
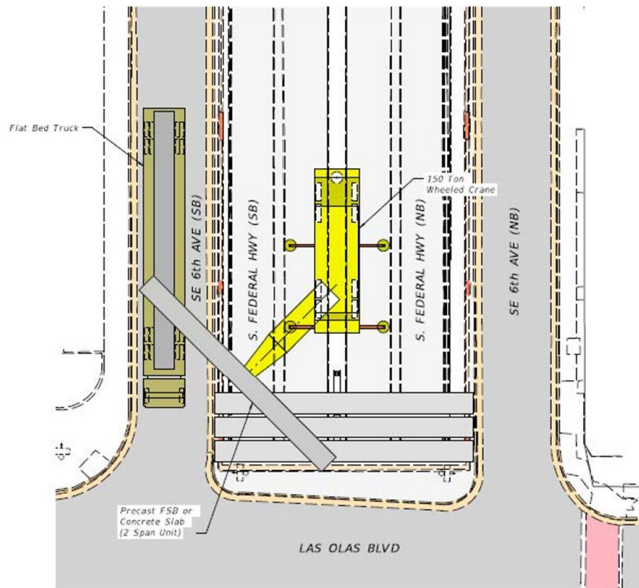
## TCP 4 - CLOSE INSIDE LANE IN EACH DIRECTION



# Traffic Control Plan

## TCP 5 - FULL TUNNEL CLOSURE – DETOUR TRAFFIC

- Install detour for vehicle and pedestrian traffic on US-1 at tunnel
- Close all lanes of US-1 to traffic at tunnel



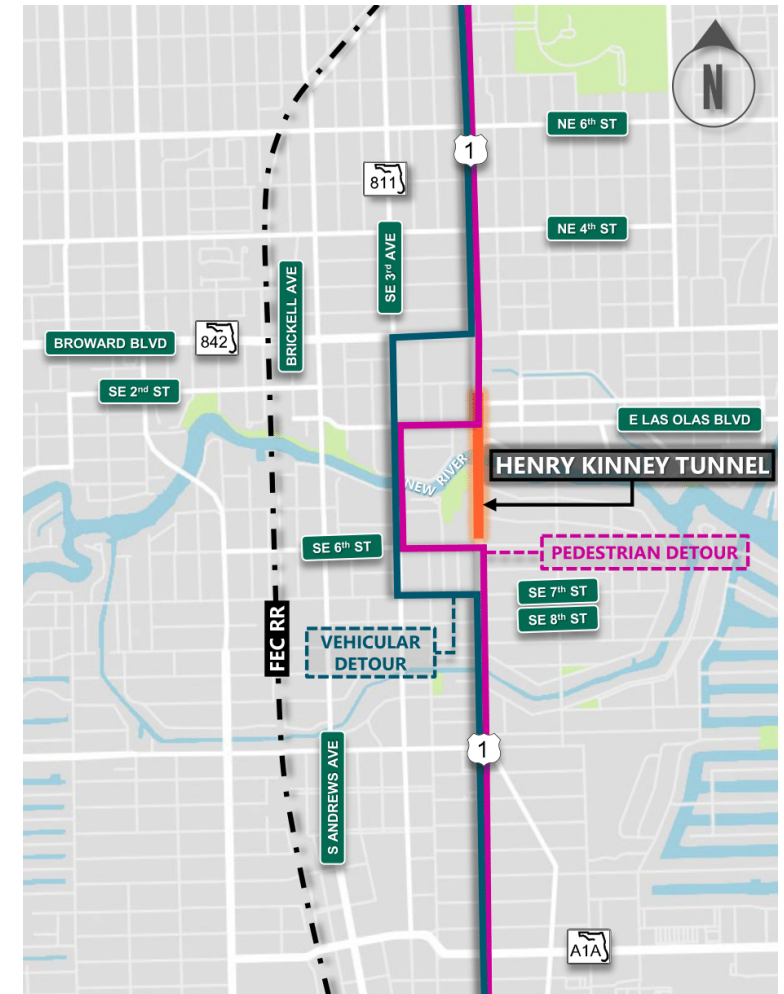


# Traffic Control Plan

## FULL TUNNEL CLOSURE – DETOUR TRAFFIC (NIGHTTIME OR WEEKENDS)

### TCP 5

- Detour traffic on US-1 at the tunnel
- Coordinate with emergency responders, 3<sup>rd</sup> Avenue bridge, and Broward County Traffic
- Detour of traffic through local streets (SE 7<sup>th</sup> Street, SE 3<sup>rd</sup> Avenue and Broward Boulevard
- Pedestrian (sidewalk) traffic shall use SE 6<sup>th</sup> Street, SE 3<sup>rd</sup> Avenue, and East Las Olas Boulevard for detours



## Project Schedule and Cost

- Construction Cost Estimate: **\$26 Million**
- Final Design Completion: **December 2020**
- Letting Date (Bid Opening): **May 2021**
- Construction Start: **Summer 2021**



## Questions and Answer Session

- To provide a comment, please use the **“QUESTION”** button to send your text on your **GoToWebinar Panel**. Please **provide your full name and email address, then your comment**.
- If your question is not responded to during the event, a response will be provided in writing following the virtual workshop

# Henry E. Kinney Tunnel Rehabilitation and Tunnel Top Plaza Project

## Thursday, September 24, 2020

The presentation has concluded. This is now the question/comment and answer session.

Please submit your question using the question feature and a project team member will respond momentarily.

Team members will be available on this virtual workshop until all questions are answered.

- Questions can also be submitted via email to the Project Manager at [Fausto.Gomez@dot.state.fl.us](mailto:Fausto.Gomez@dot.state.fl.us)
- The presentation can be viewed at <https://bit.ly/2ZE2DgF>
- A recording of the Virtual Public Information Workshop can be accessed at <https://bit.ly/2ZqZyjO>.