



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

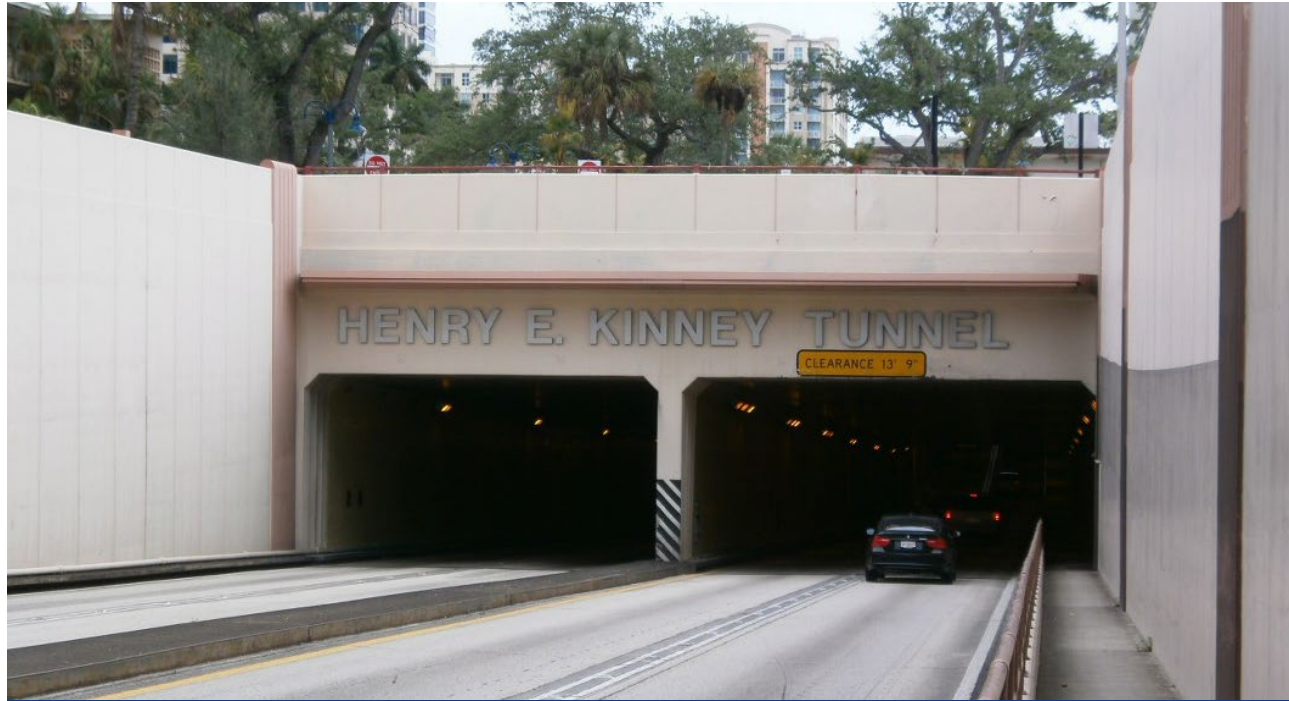
Project Identification Nos.: 439714-1-52-01/439714-1-52-01
Broward County

Virtual Public Information Workshop
September 24, 2020

A photograph of a highway call box sign. The sign is rectangular and has the text "CALL BOX" at the top, "MILE" in the middle, and "430" at the bottom. The sign is mounted on a post. The background of the sign is dark, and the text is light-colored. The sign is located on the side of a highway.

CALL
BOX
MILE
430

Startup and Welcome



WELCOME



Welcome



WELCOME



Commissioner Sorensen
District 4



CITY OF FORT LAUDERDALE

Meeting Purpose and Speakers



Images from preliminary concept



Laila Haddad
Media Relations Group
Public Information Officer

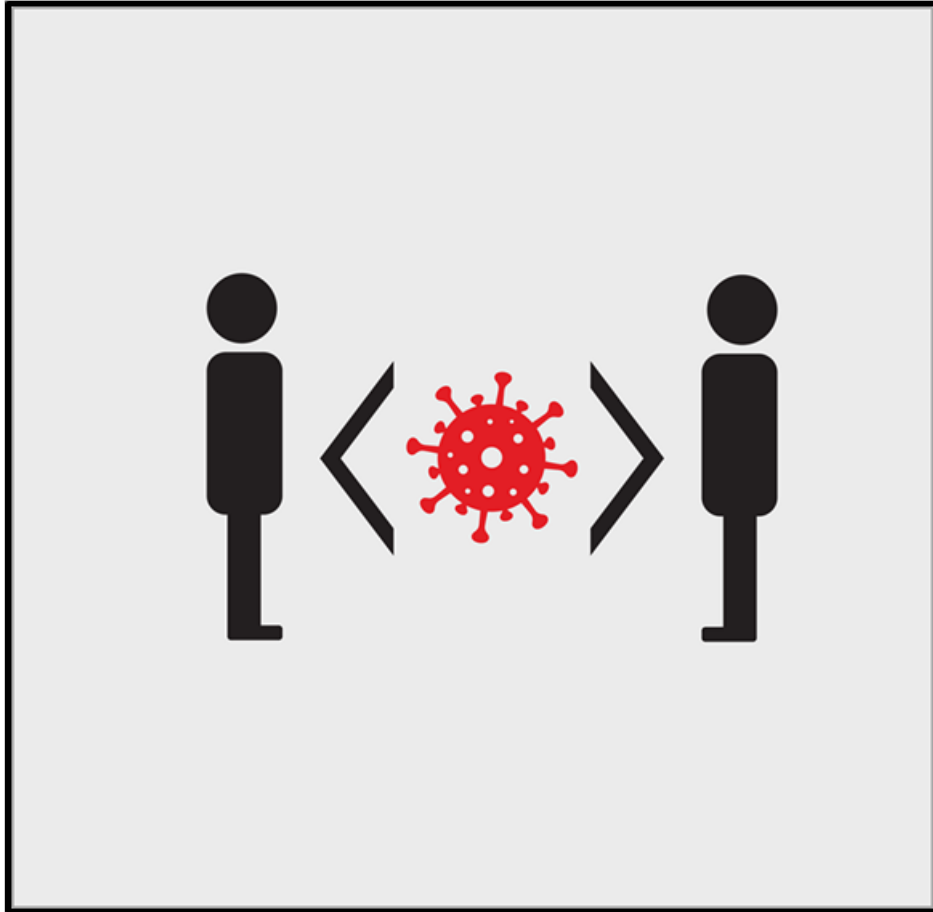


Naldo Gonzalez, P.E.
Gannett Fleming, Inc.
Project Manager



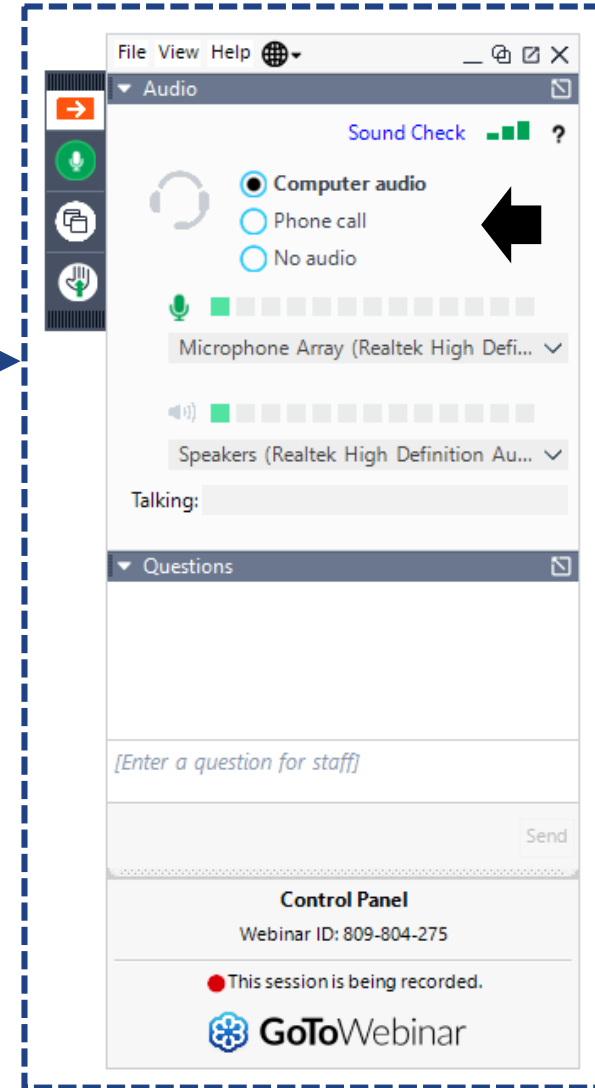
Brian Shore, R.L.A.
Miller Legg
Landscape Architect

About the Virtual Meeting Format

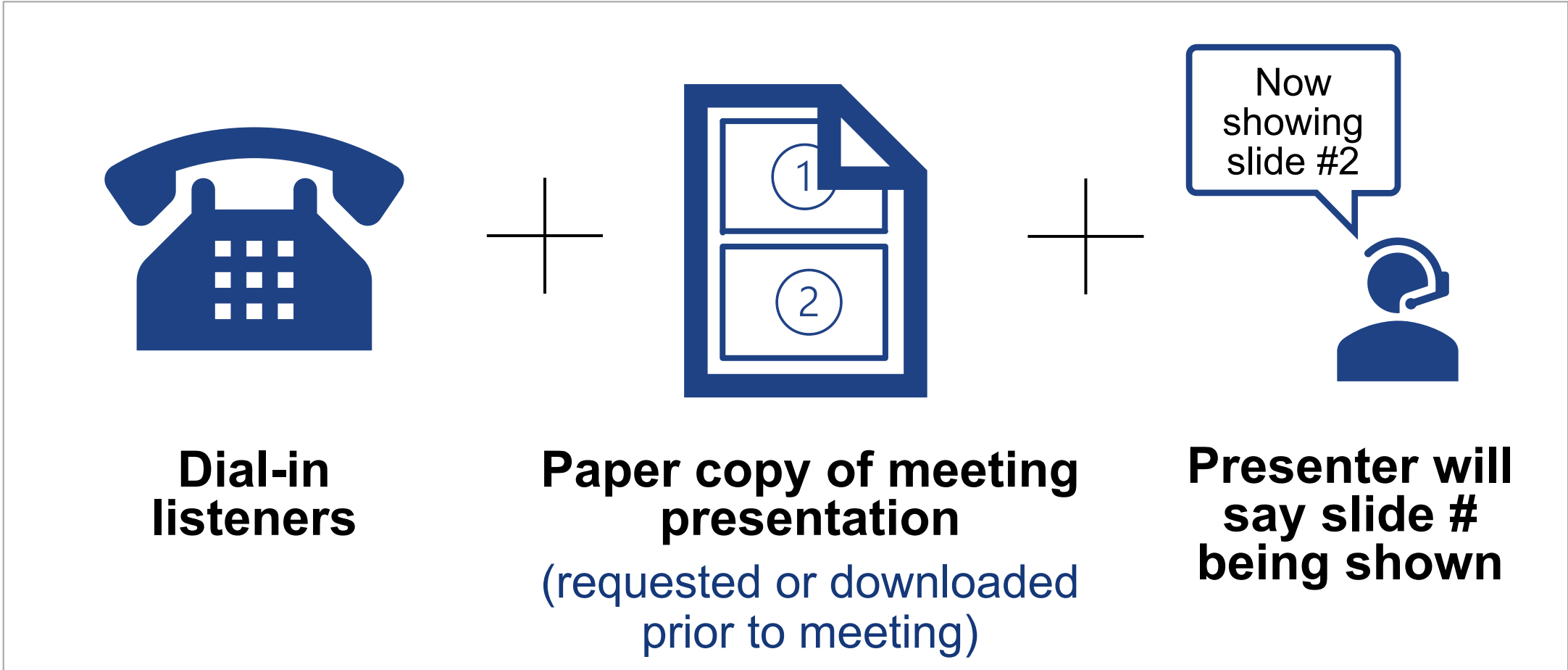


- **COVID-19 pandemic**
- **A State of Emergency is in effect (Executive Order 20-52)**
- **GoToWebinar online meeting platform**
- **No cost to the public to log-in or dial-in to the meeting**

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.

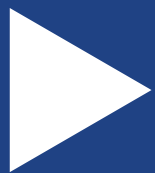


Type your comments or questions in the control panel **Questions pane.**



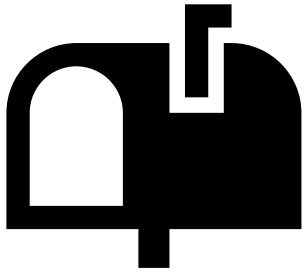
Responses to comments and questions will be provided later.

Technical Information (Technical Issues)



This meeting is being recorded.

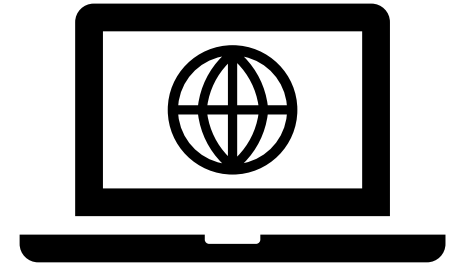
Virtual Public Meeting - Public Notice



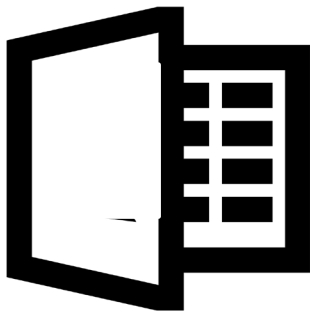
Property owner/tenant letters



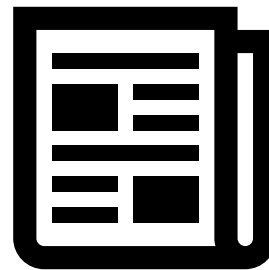
Emails to project contacts list



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

Statewide Title VI Coordinator, Florida Department of Transportation

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

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



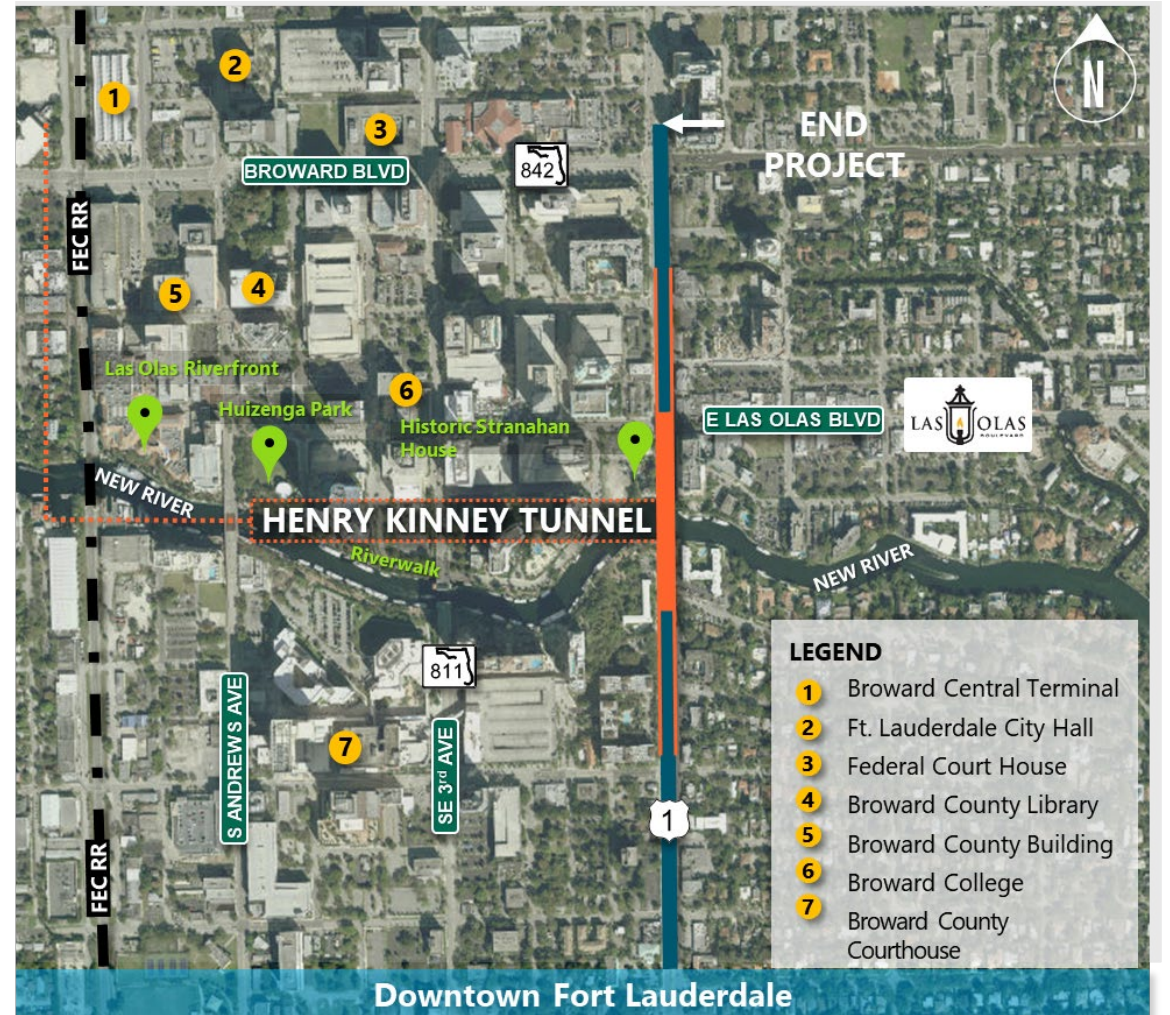
3. (954) 777-4466 or
Toll Free (866) 336-8435; Ext. 4466



Project Location



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

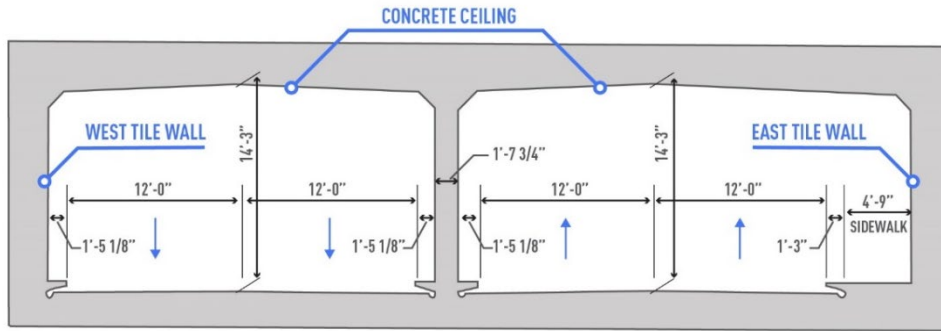


Purpose and Objectives

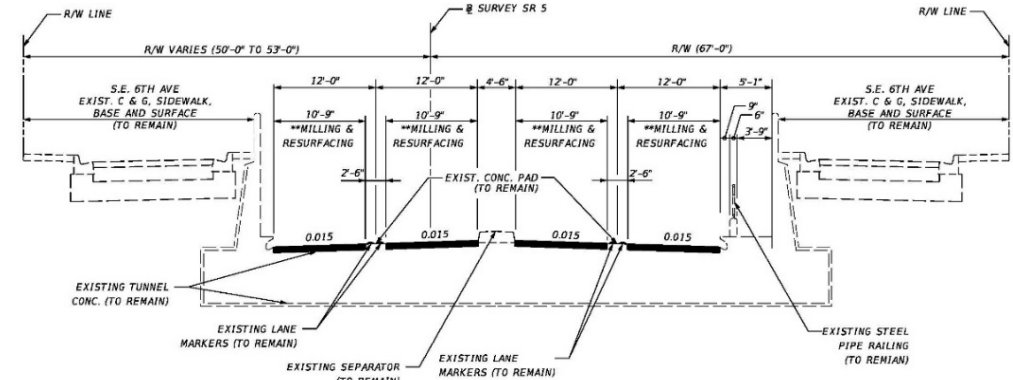
- **Rehabilitate the Henry E. Kinney Tunnel** to meet the latest federal, state, and local standards and guidelines for architecture, structural, mechanical, electrical, and life safety
- **Improve safety and mobility on US-1**
- **Enhance East Las Olas Boulevard at SE 6th Avenue for a livable community**



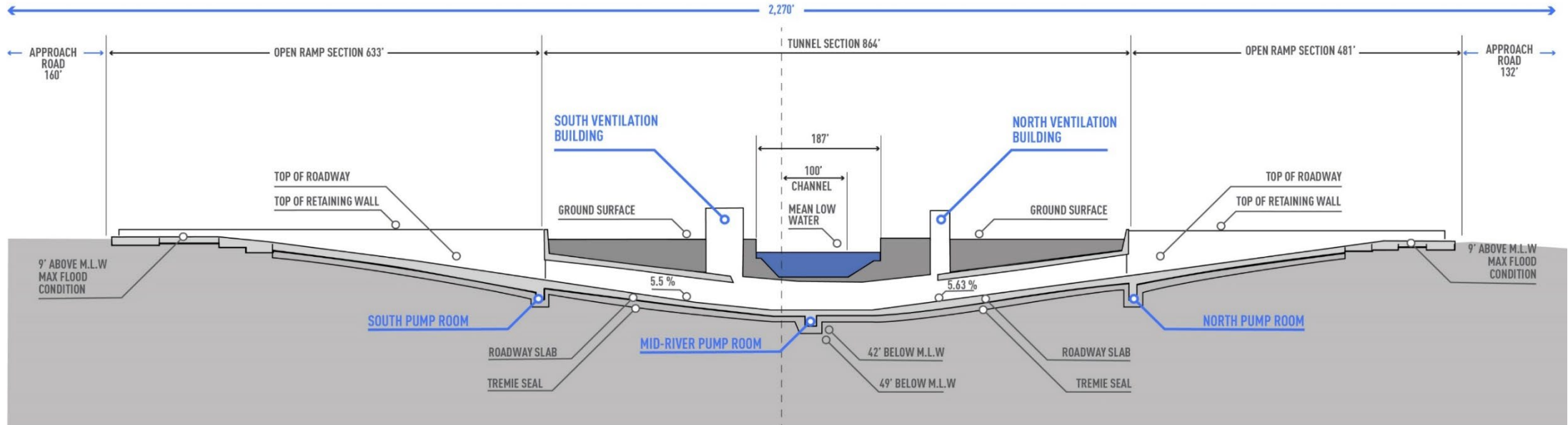
Existing Conditions – Tunnel



DOUBLE-BARREL TUNNEL TYPICAL SECTION



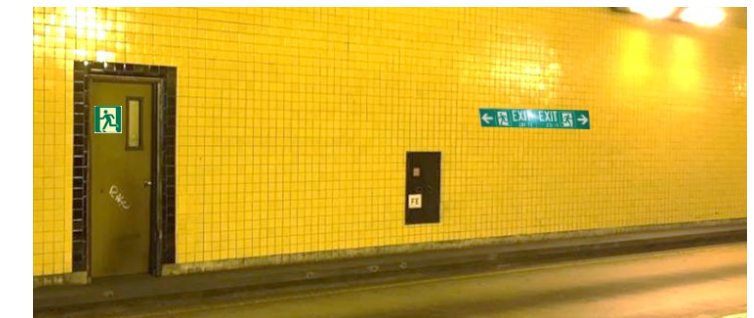
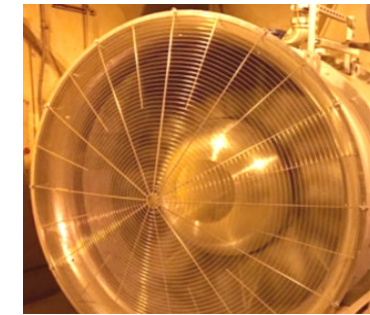
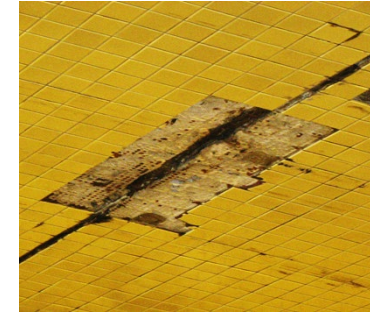
OPEN RAMP TYPICAL SECTION



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



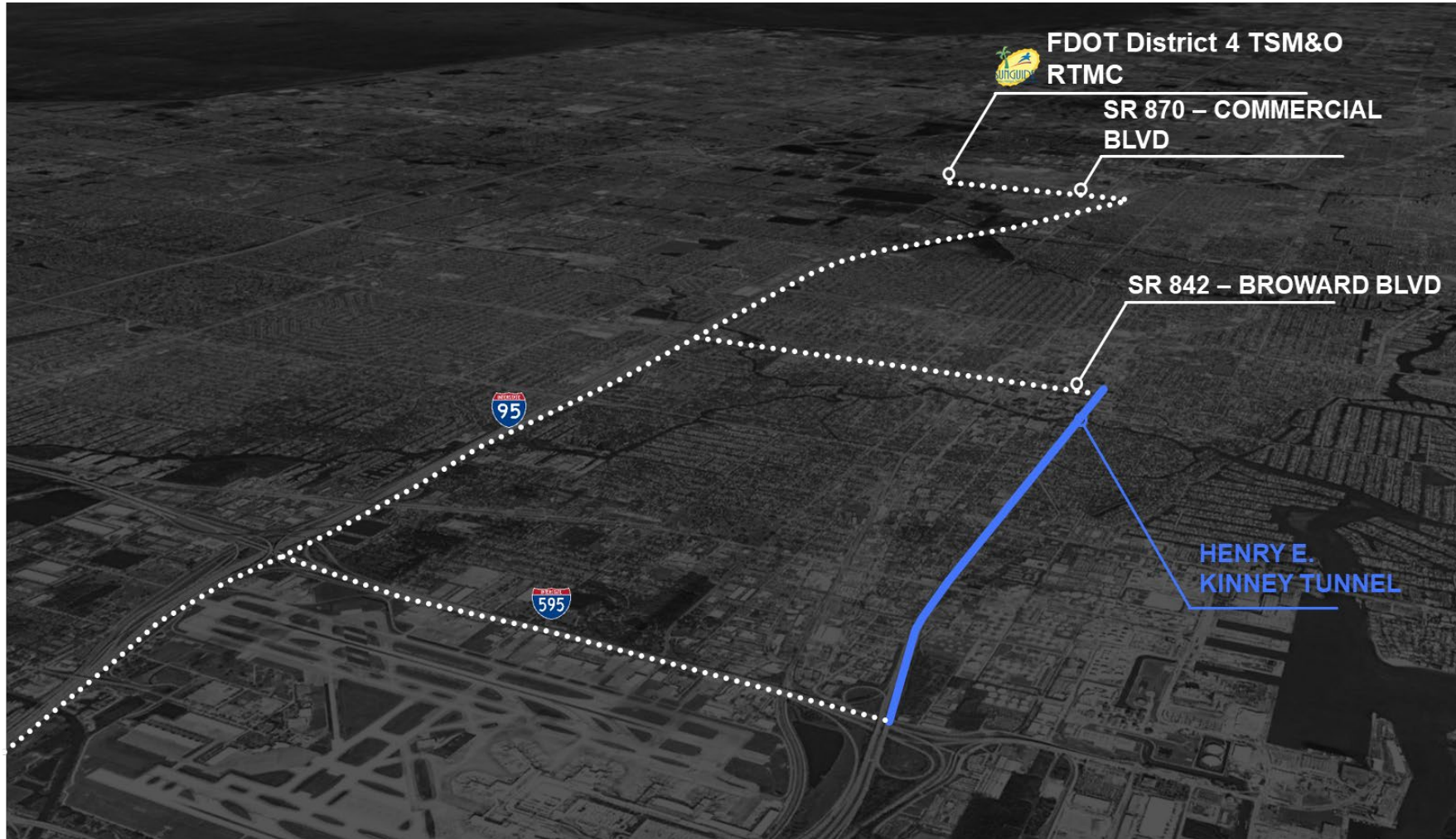
Proposed Improvements

Improve Safety and Mobility

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



Intelligent Transportation System (ITS)



Proposed Improvements

Tunnel Intelligent Transportation System (ITS) Elements



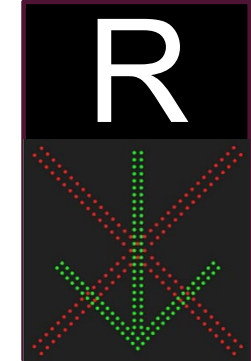
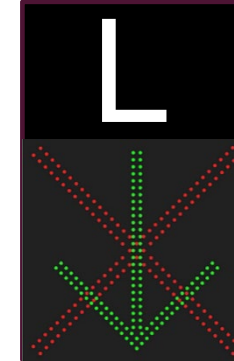
ROADWAY CCTV
CAMERA AND TRAFFIC
SENSOR (MDVS)



WARNING
GATE



FLASHING
BEACON



TUNNEL TRAFFIC
CONTROL DEVICE



OVER HEIGHT DETECTION SENSORS



BLUETOOTH (AVI)
READERS



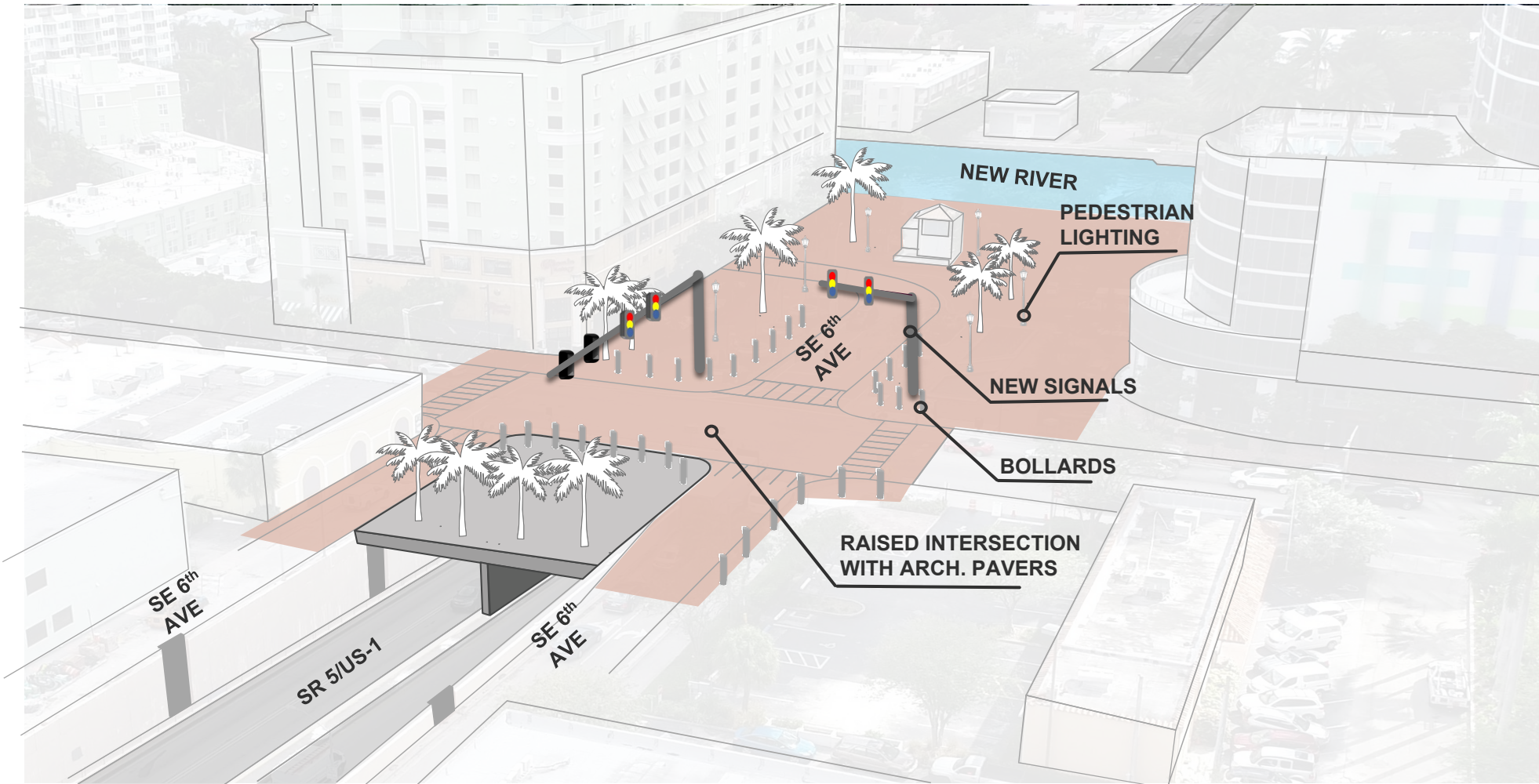
ARTERIAL DYNAMIC MESSAGE SIGNS (ADMS)

Existing Conditions



Proposed Improvements

Tunnel Top Pedestrian Plaza



Conceptual Image

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 6th Avenue Southbound at Las Olas Boulevard
- Enhance Las Olas Boulevard at SE 6th 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



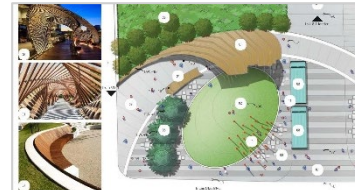
Proposed Improvements

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



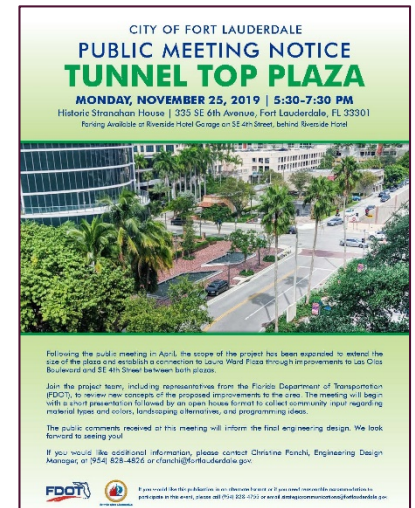
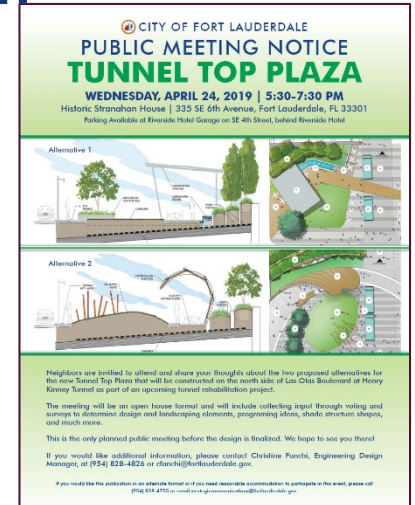
DDA Concept (2013)



Public Meeting Concept (April 2019)

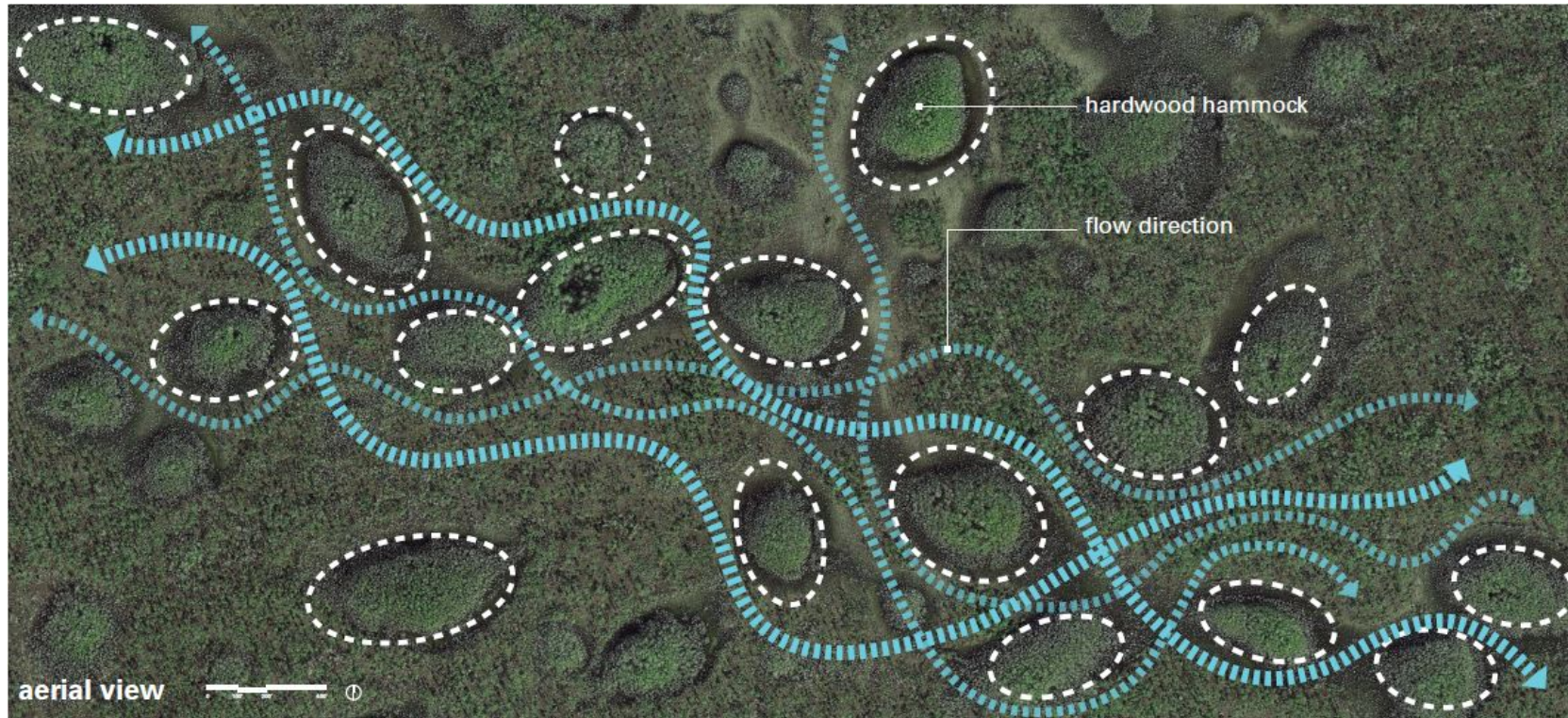


Final Concept (Jan. 2020)



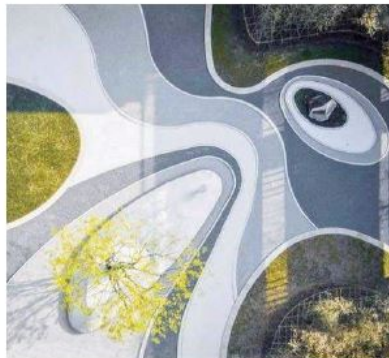
Proposed Improvements

Tunnel Top Pedestrian Plaza



Proposed Improvements

Tunnel Top Pedestrian Plaza



Proposed Improvements

Tunnel Top Pedestrian Plaza



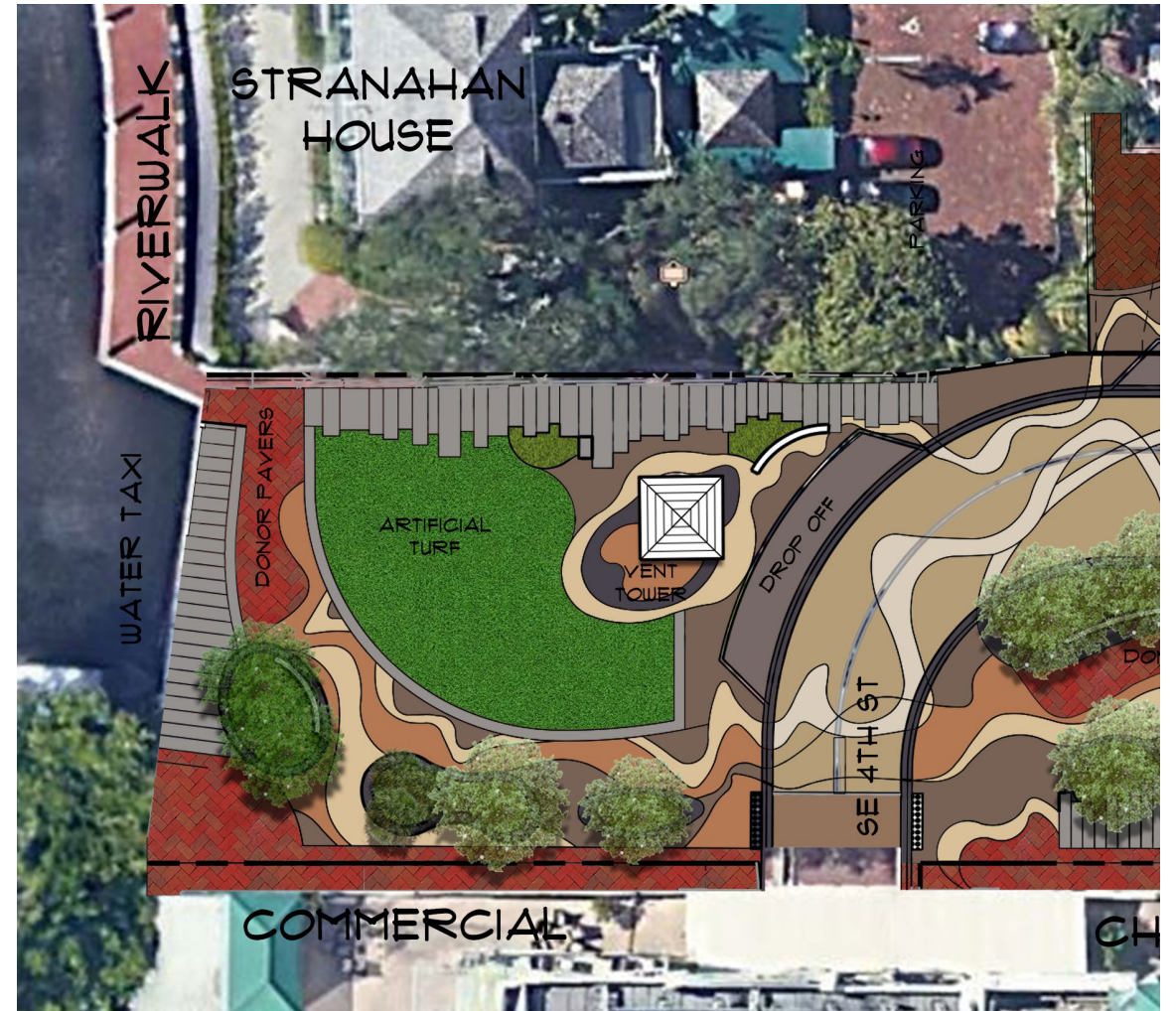
Conceptual Image

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



Conceptual Image

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



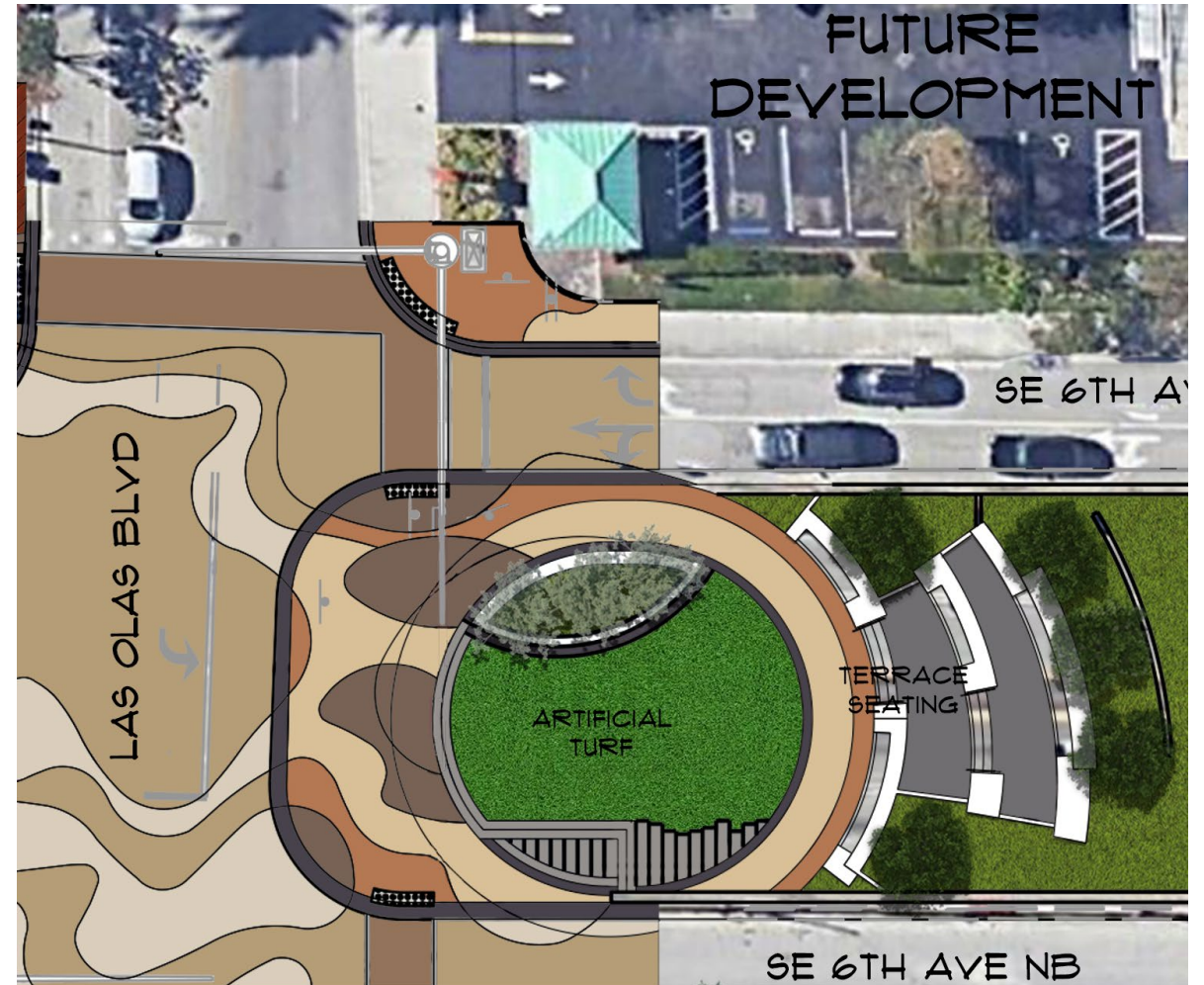
Conceptual Image

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



Conceptual Image

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

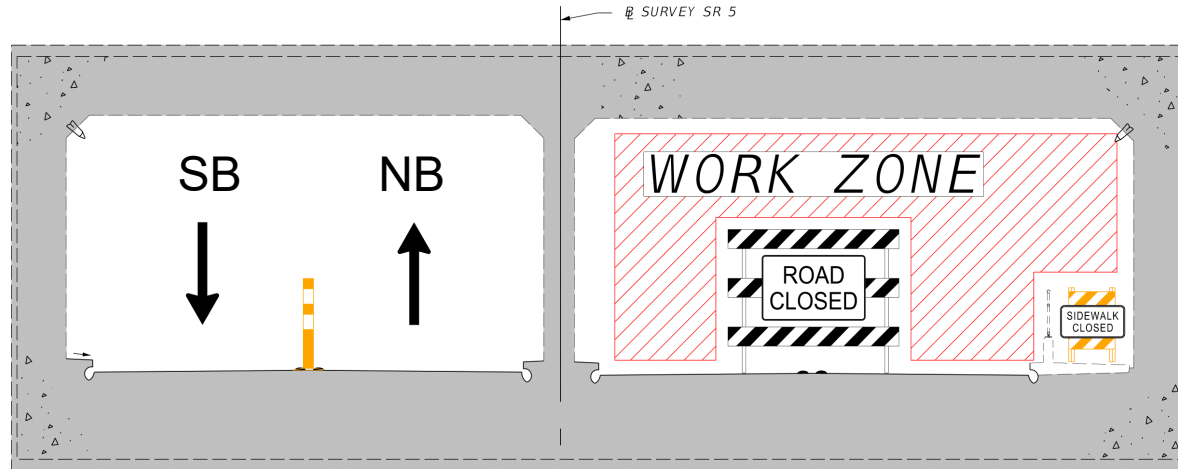


Historic
Preservation
Consultation

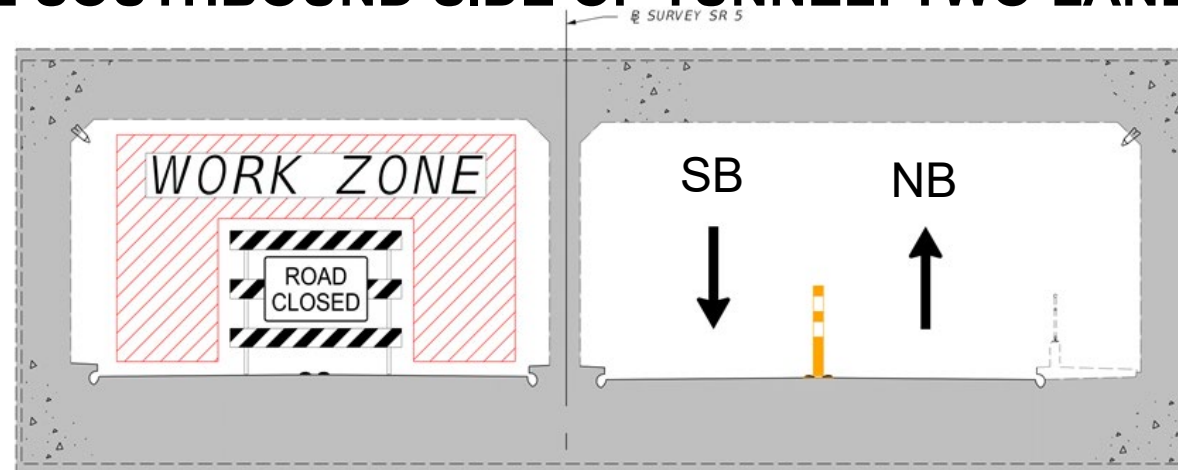


Traffic Control Plan

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

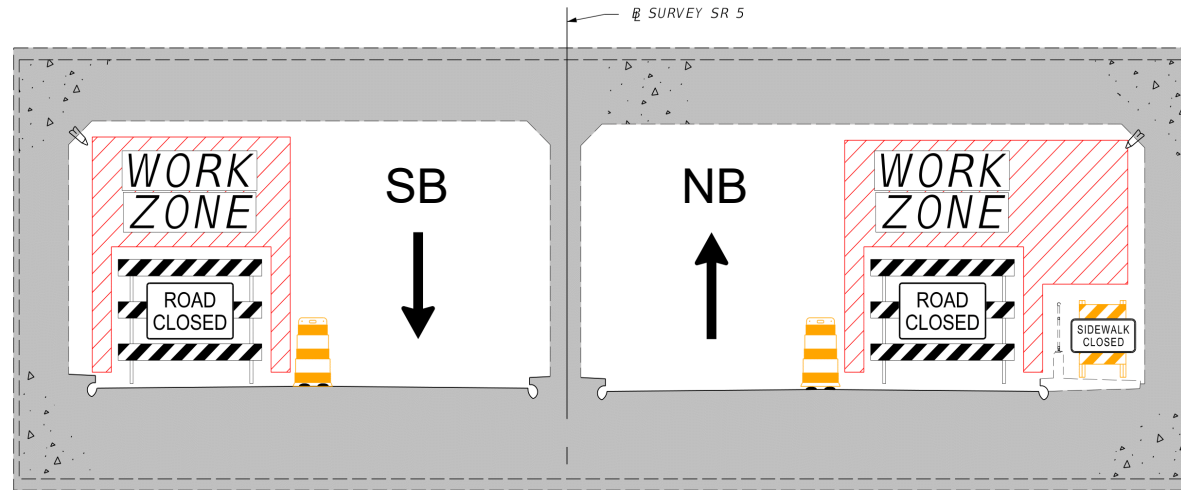


TCP 2 - CLOSE SOUTHBOUND SIDE OF TUNNEL: TWO-LANE TWO-WAY TRAFFIC

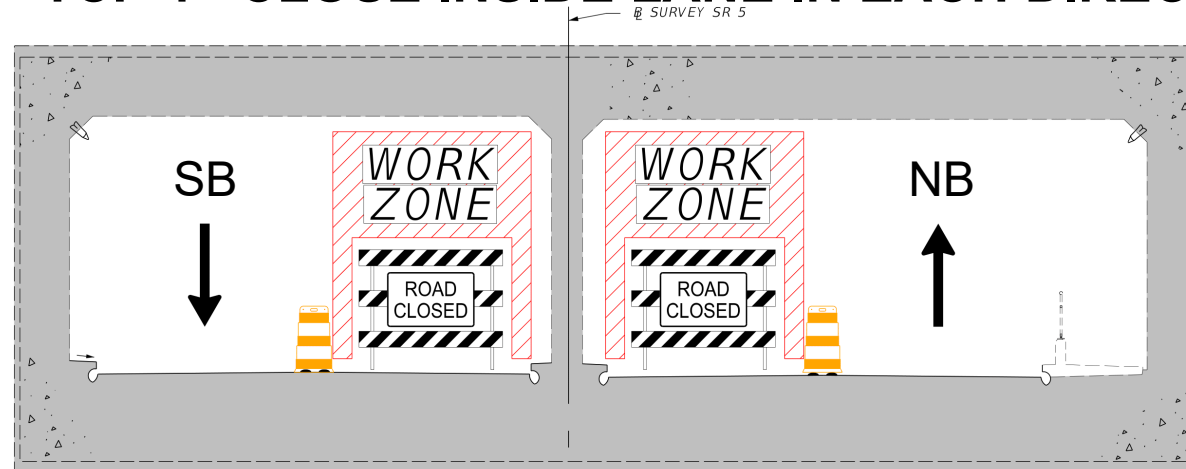


Traffic Control Plan

TCP 3 - CLOSE OUTSIDE LANE IN EACH DIRECTION



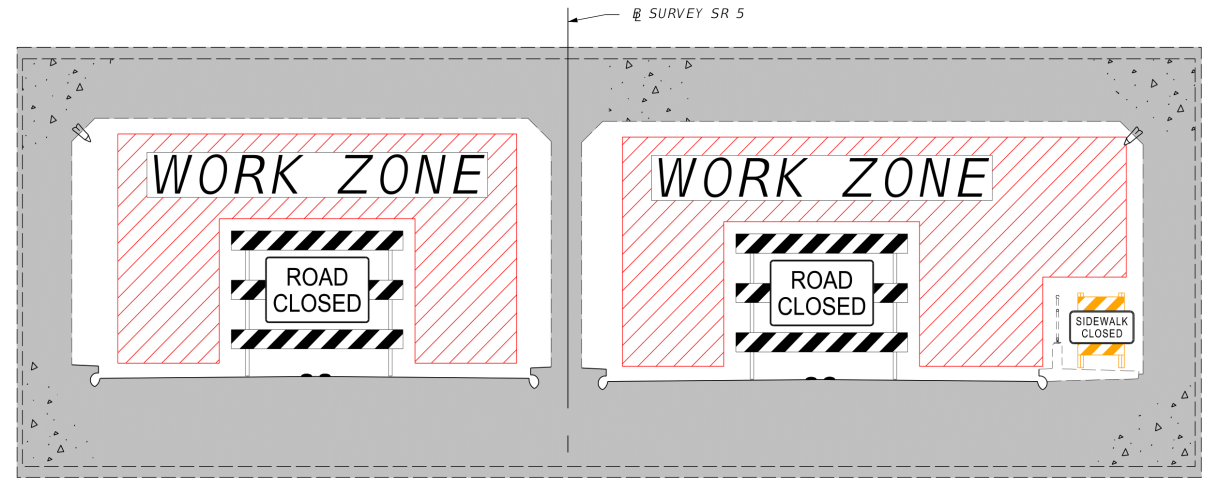
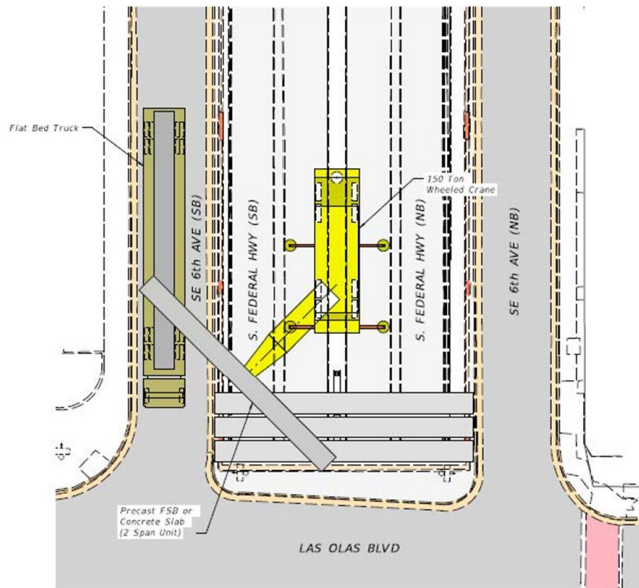
TCP 4 - CLOSE INSIDE LANE IN EACH DIRECTION



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

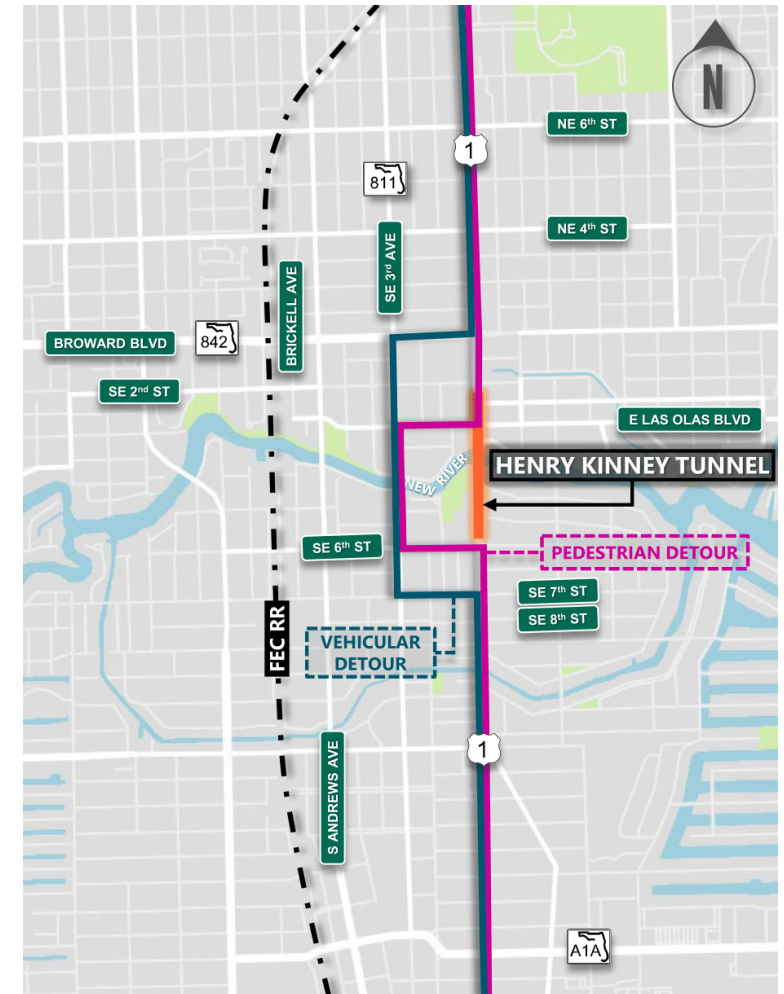


Traffic Control Plan

FULL TUNNEL CLOSURE – DETOUR TRAFFIC (NIGHTTIME OR WEEKENDS)

TCP 5

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