



Florida Department of  
**TRANSPORTATION**

SR 90/US 41/SW 8 St  
at SW 109 Ave Pedestrian Bridge  
FIN: 447046-1-52-01

**WELCOME!**

**State Road (SR) 90/US 41/SW 8 St  
at SW 109 Ave Pedestrian Bridge Project**

**The meeting will begin soon**



- Si usted necesita traducción durante la reunión por favor comuníquese conmigo. Usted puede levantar su mano o pedir ayuda a través del chat y un miembro de nuestro equipo lo asistirá.



- We would like to recognize any federal, state or city officials who may be present.



# Meeting Agenda

- Rules of Engagement
- Meet the Project Team
- Non-Discrimination Policy
- Project Information
- Project Location
- Project Schedule and Cost
- Projects Scope of Work
- What to Expect During Construction
- Section 4(f)
- Questions and Answers



# Rules of Engagement

- This meeting is being recorded
- The meeting will begin with a presentation followed by comments and questions
- If you are calling in via phone, you will not be able to provide comments during the meeting. To provide comments, call 305-216-3617 or email [Sergies.Duarte@dot.state.fl.us](mailto:Sergies.Duarte@dot.state.fl.us)
- Tonight's presentation is available at:  
<https://www.fdotmiamidade.com/design-projects/south-miami-dade/sr-90us-41sw-8-st-at-sw-109-ave-pedestrian-bridge-replacement.html>



Florida Department of  
**TRANSPORTATION**

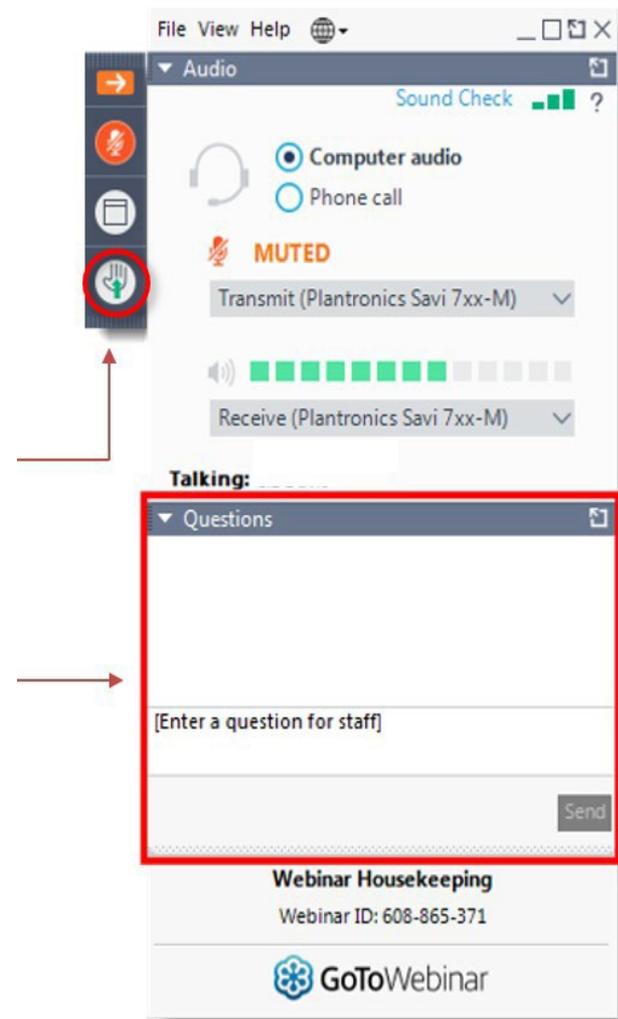
SR 90/US 41/SW 8 St  
at SW 109 Ave Pedestrian Bridge  
FIN: 447046-1-52-01

**Scan the QR code to  
download the presentation.**



# Rules of Engagement

- During the Questions and Answers Session, in-person attendees will be called on first. A staff member will advise when to state your question.
- Virtual attendees **will remain muted** throughout the presentation except for the **Questions and Answers** Session. To provide a comment:
  - Use the **“Raise Hand”** button on your GoTo Webinar panel and you will be unmuted.
  - Submit Comments via the **“Questions”** Box.





- If you experience technical difficulties, contact **Jeff Baquedano** at **786-510-6113** or email **[Jeff.Baquedano@QCAusa.com](mailto:Jeff.Baquedano@QCAusa.com)** so he can assist you.



# Project Team

- **FDOT Project Manager:** Humberto Gomez, P.E.
- **Consultant Design Project Manager:** Kathy Lajo, P.E.
- **Design Team Representatives:** Daniel Raymat, P.E.
- **FDOT Environmental Supervisor:** Barbara B. Culhane, MS, ACIP
- **FDOT Environmental Specialist:** Katherine Bernabeo
- **Consultant Environmental Specialists:** Nicole Carter  
Stephanie Crawford
- **Community Outreach Specialist:** Sergies Duarte



# Non-Discrimination Policy

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 at this meeting is solicited without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns about Title VI may do so by contacting:

## District Six Title VI Coordinator

Nicholas Danu, P.E. at 305-470-5219 or in writing: FDOT, 1000 NW 111 Avenue,  
Miami, FL 33172, email: [Nicholas.Danu@dot.state.fl.us](mailto:Nicholas.Danu@dot.state.fl.us)

## State Title VI Coordinator

Jacqueline Paramore at 850-414-4753 or in writing: Equal Opportunity Office  
605 Suwannee Street, MS 65,  
Tallahassee, FL 32399 email: [Jacqueline.Paramore@dot.state.fl.us](mailto:Jacqueline.Paramore@dot.state.fl.us)



# Project Information

## Purpose and Need:

- Improve safety by constructing a pedestrian bridge over SR 90/US 41/SW 8 Street and the C-4 Canal, west of SW 109 Avenue, that provides a safe connection between the City of Sweetwater and Florida International University

## Roles:

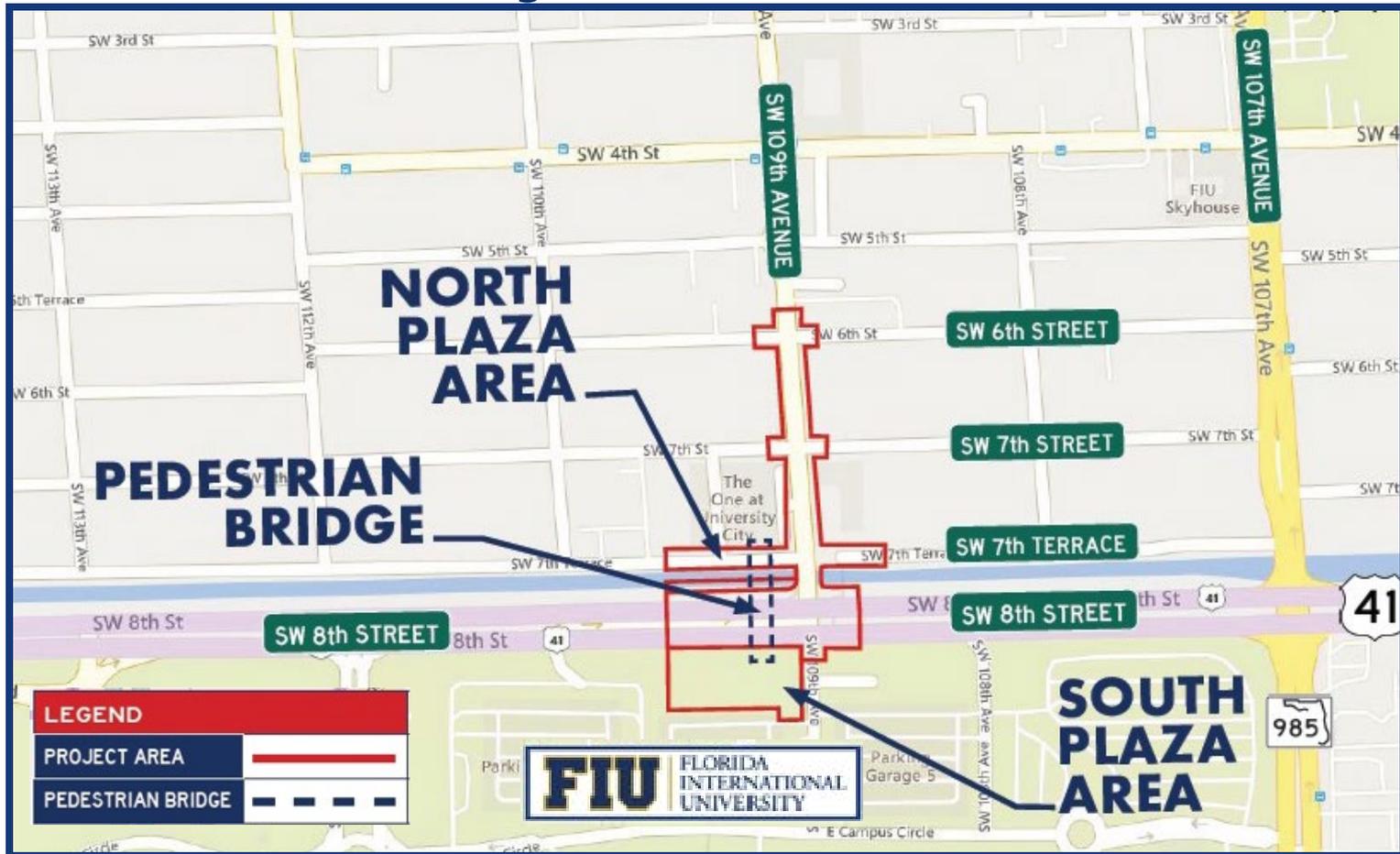
- **FDOT** will manage the design and construction of the bridge according to FDOT and Federal Guidelines.
- **FIU** will own, maintain and operate the bridge.

## Project Partners:





# Project Location





# Project Information

## Main factors considered:

- Safety
- Site constraints
- Constructability
- Budget
- Aesthetics



# Project Information

## Funding Type:

- Local funding (FIU and City of Sweetwater)
- Federal funding (Grant and other federal funding)
- State funding



# Project Schedule and Cost

Milestone	Date
Production	12/20/2022
Letting Date	4/26/2023
Construction Start	Early 2024
Construction Duration	About two years
Construction End	Spring 2026
Current Budget	\$15.5 million

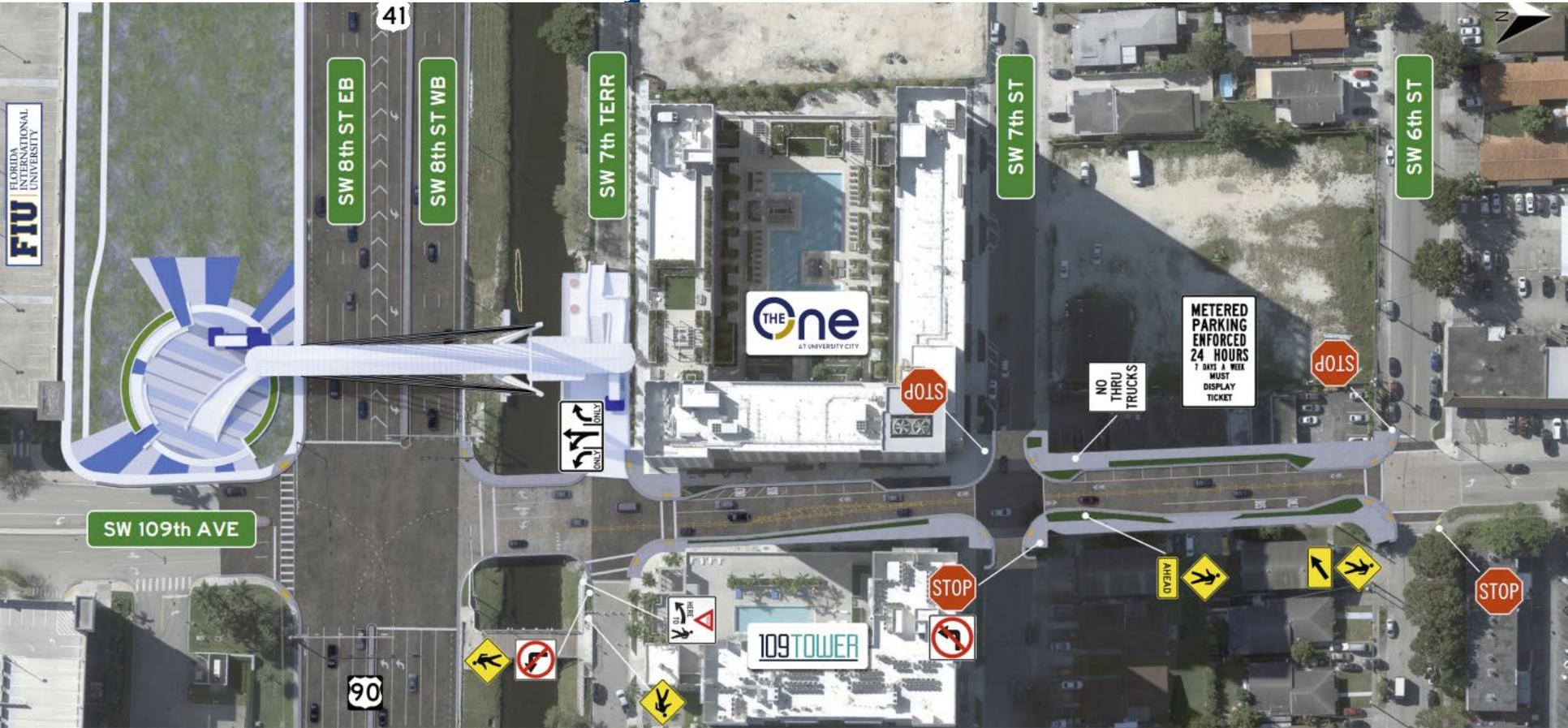


The project is currently at 60% design phase

- Work with municipalities to review plans
- Receive feedback from the public



# Project Overview



PLAN

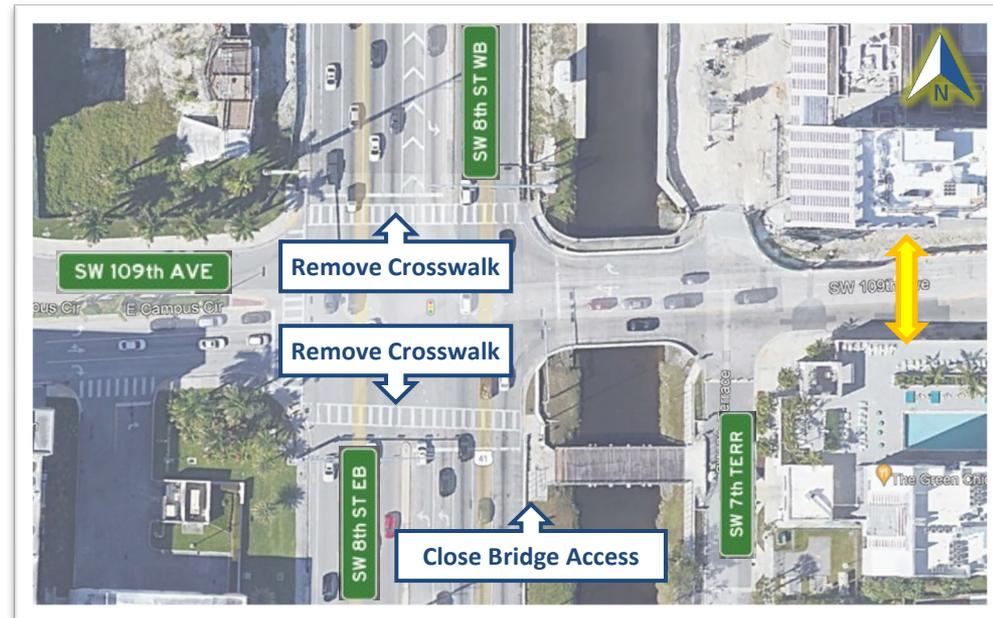


# Project Scope

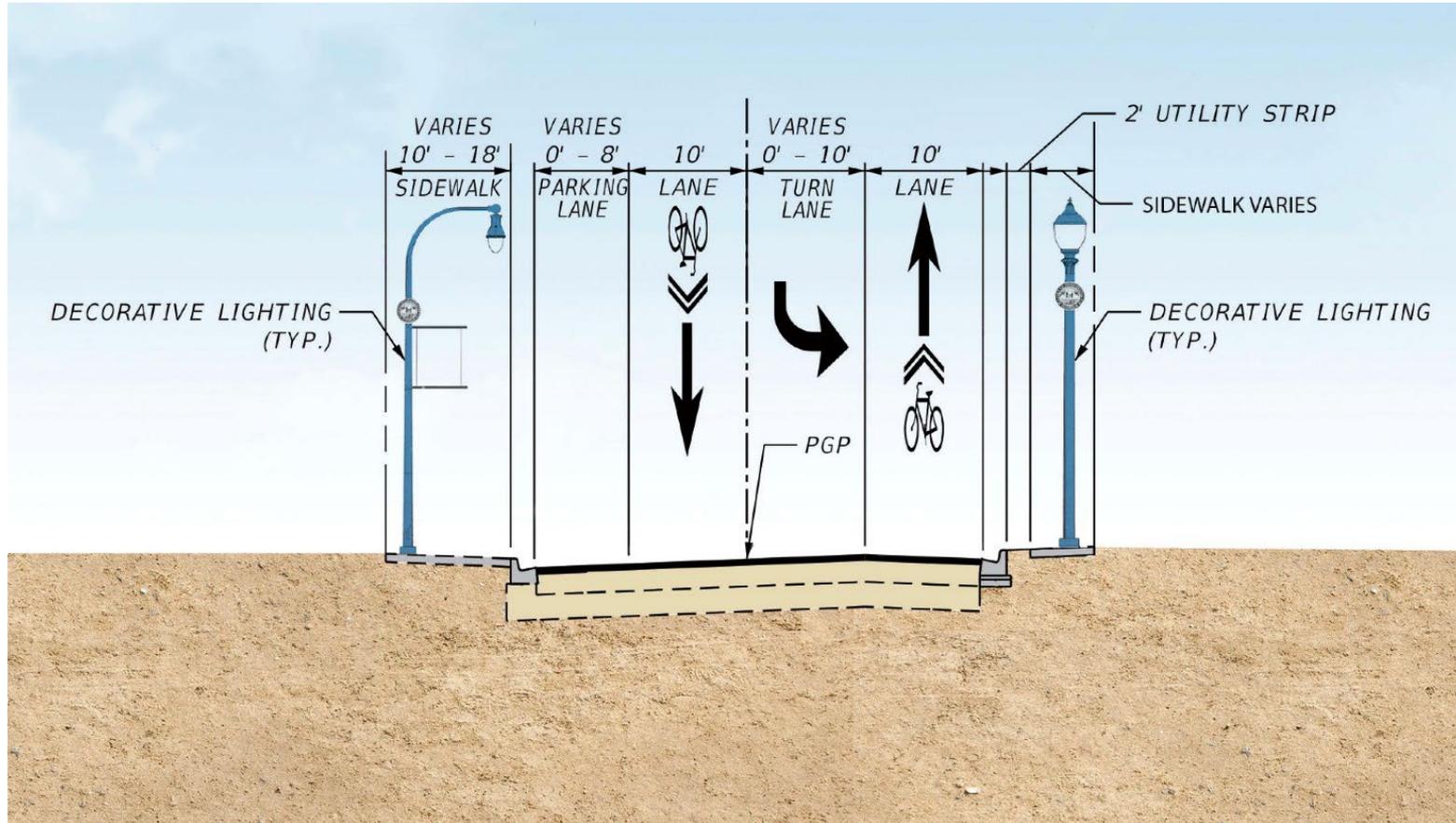
- Installing a pedestrian bridge over SW 8 St and the C-4 Canal, west of SW 109 Ave
- Providing pedestrian plazas with elevators and stairs at the north and south landings
- Additional features include, but are not limited to, USB charging stations, wi-fi connections and security cameras.
- Sidewalk widening and repaving and restriping of SW 109 Ave between SW 7 Ter to SW 6 St
- Upgrading pedestrian signals, signs and curb ramps
- Install decorative LED street lighting, hardscape and landscape

# Project Scope

- Closing existing historical bridge over C-4 Canal
- Eliminating north-south crosswalks at the SW 8 St and SW 109 Ave intersection
- Providing east-west crosswalk along SW 109 Ave
- Demolishing remaining portions of existing structure in conflict with proposed improvements

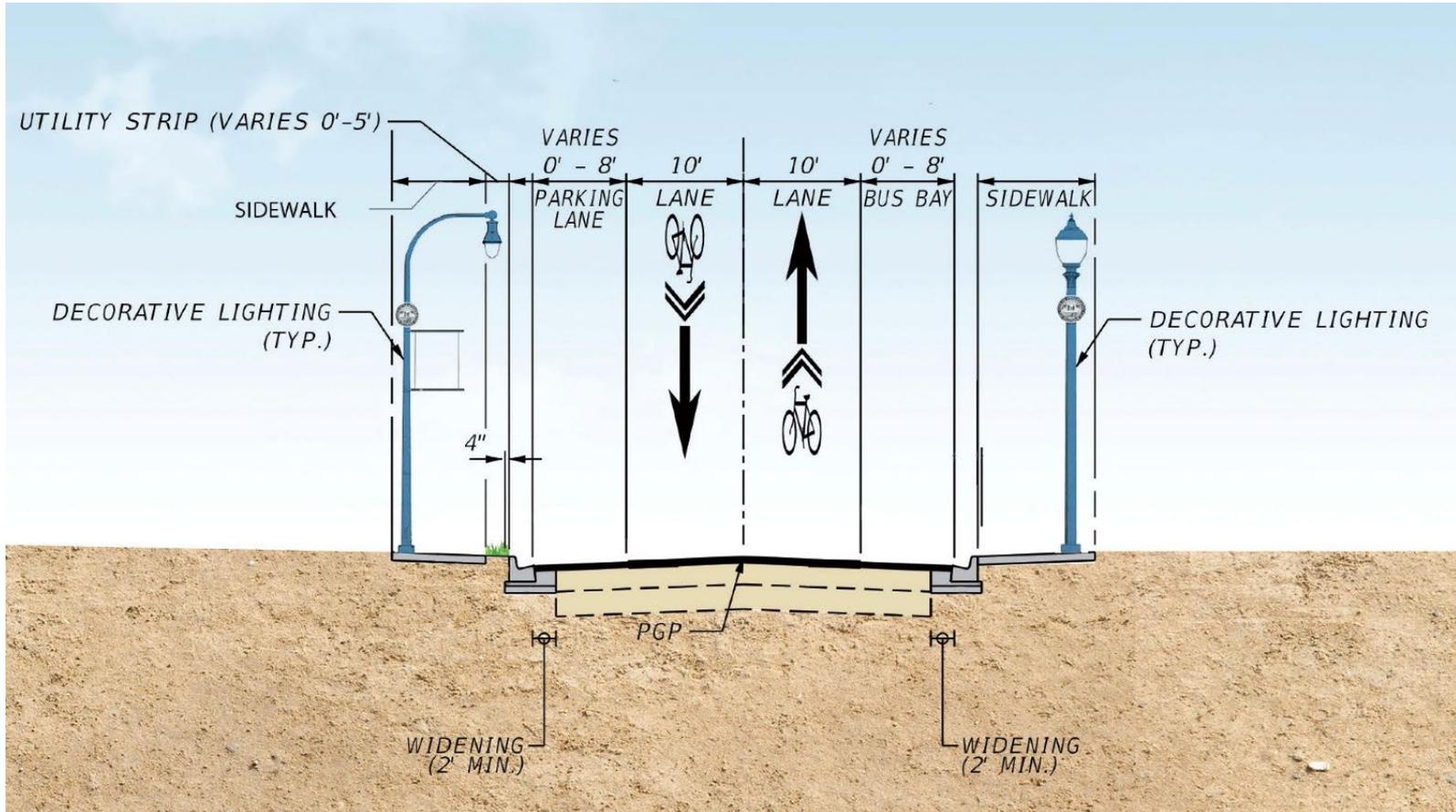


# SW 109 Ave from SW 7 Ter to SW 7 St



**TYPICAL SECTION**

# SW 109 Ave from SW 7 St to SW 6 St



**TYPICAL SECTION**



Florida Department of  
**TRANSPORTATION**

SR 90/US 41/SW 8 St  
at SW 109 Ave Pedestrian Bridge  
FIN: 447046-1-52-01

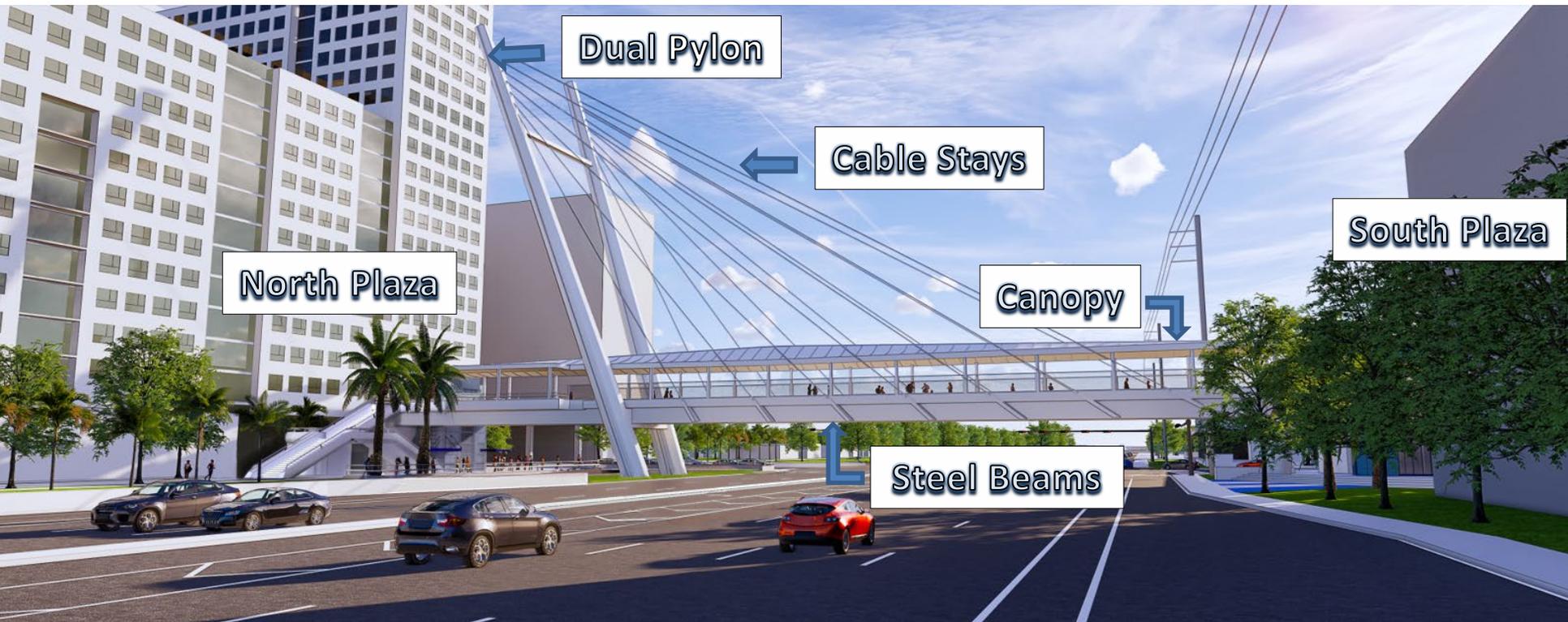
# Pedestrian Bridge and Plazas Rendering



**ELEVATION VIEW (LOOKING EAST)**



# Pedestrian Bridge and Plazas Rendering



**ELEVATION VIEW (LOOKING EAST)**



Florida Department of  
**TRANSPORTATION**

SR 90/US 41/SW 8 St  
at SW 109 Ave Pedestrian Bridge  
FIN: 447046-1-52-01

# Pedestrian Bridge and Plazas Rendering



**ELEVATION VIEW (LOOKING NORTHWEST)**



# Pedestrian Bridge and Plazas

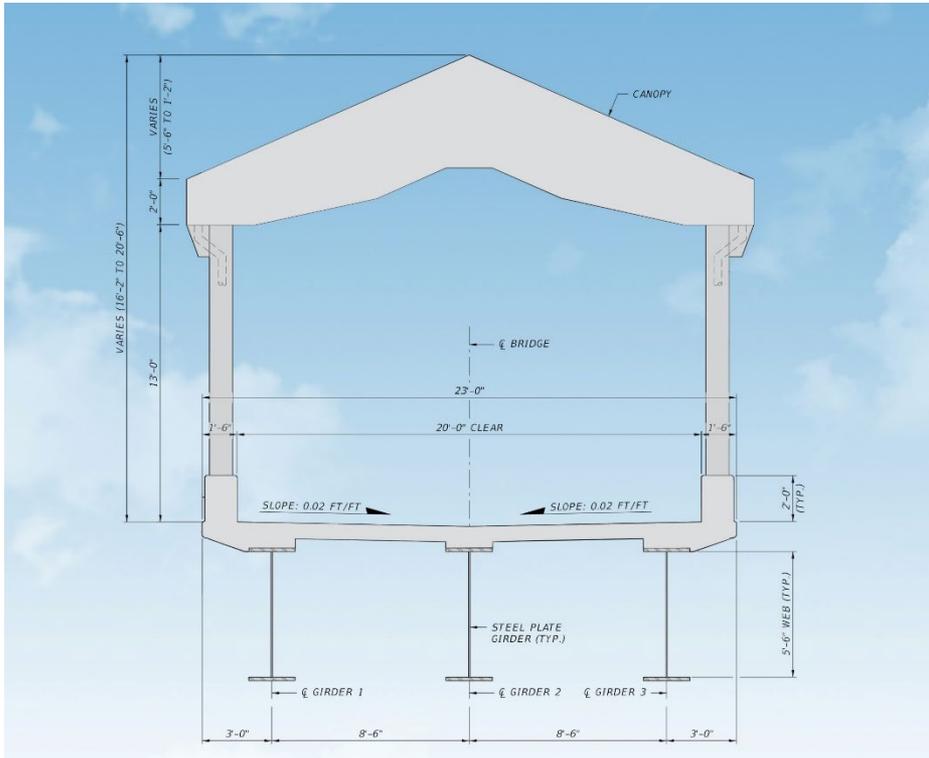


South  
Plaza

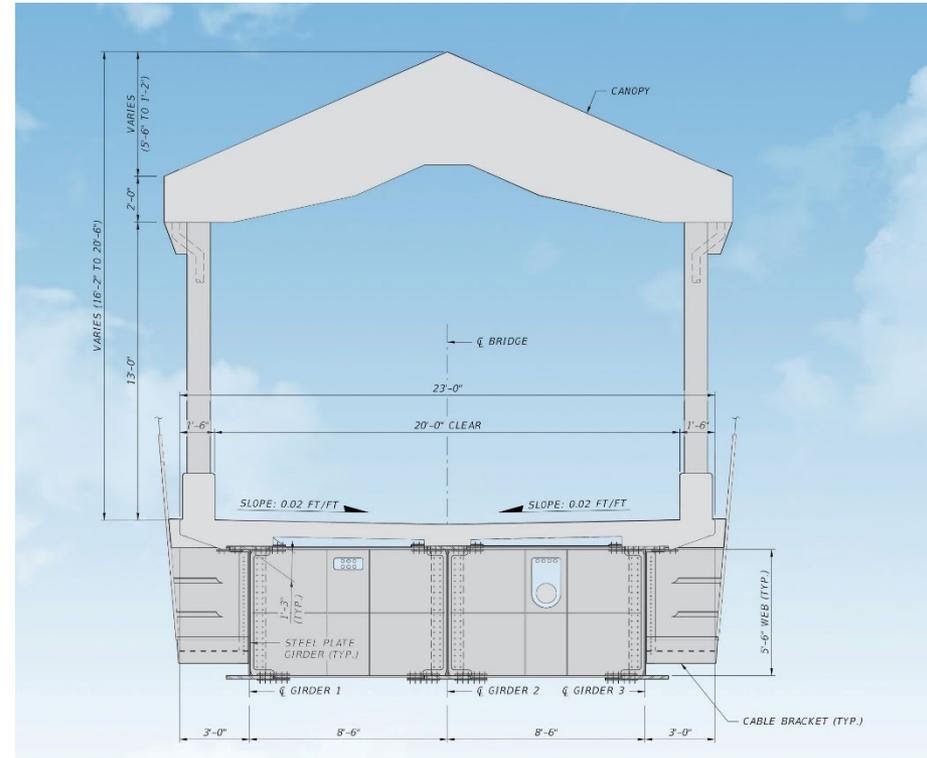
North  
Plaza

**PLAN VIEW**

# Pedestrian Bridge

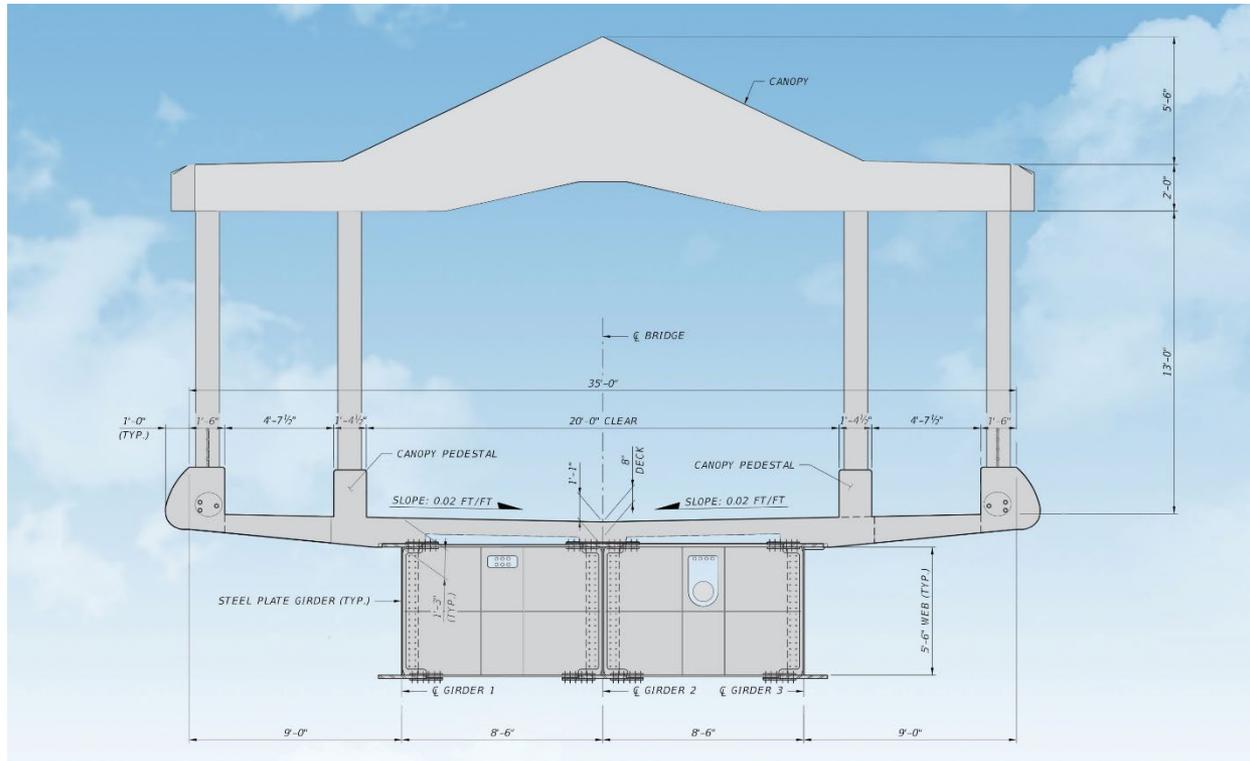


**Typical Section 1**



**Typical Section 2**  
*(at cable stayed brackets)*

# Pedestrian Bridge



**Typical Section 3**  
*(Over Canal Area)*



# **Pedestrian Bridge and Plazas**

## **Pedestrian Bridge**

- Two-span continuous steel beam, cable-stayed bridge structure
- Bridge supports includes single column piers at each end with an intermediate support consisting of dual pylons
- Cable stays to enhance aesthetics and provide additional support
- An overhead canopy to provide coverage
- Plazas at each end will include elevator and stairs to access the bridge



# What to Expect During Construction

## Maintenance of Traffic (MOT):

- Roadway lane closures and detours will be established during any overhead work, construction at Pylon 2, and as necessary to ensure safety during construction.
- Closures will be scheduled during non-peak hours or on non-event days/weekends.
- Pedestrian detours will be established with clear signage.

## Non-peak hours are:

- Lane Closures  
10 p.m. to 7 a.m. weekdays and weekends





# What to Expect During Construction



## Speed:

- Existing speed limits for SW 109 Ave (30 mph) and SW 8 St (45 mph) will be maintained throughout construction.



## Dust:

- The contractor will be required to water and sweep in order to minimize construction-related dust

# What to Expect During Construction



## Noise:

- Some noise should be expected during allowable construction time



## Access:

- Access to businesses and residences will be maintained

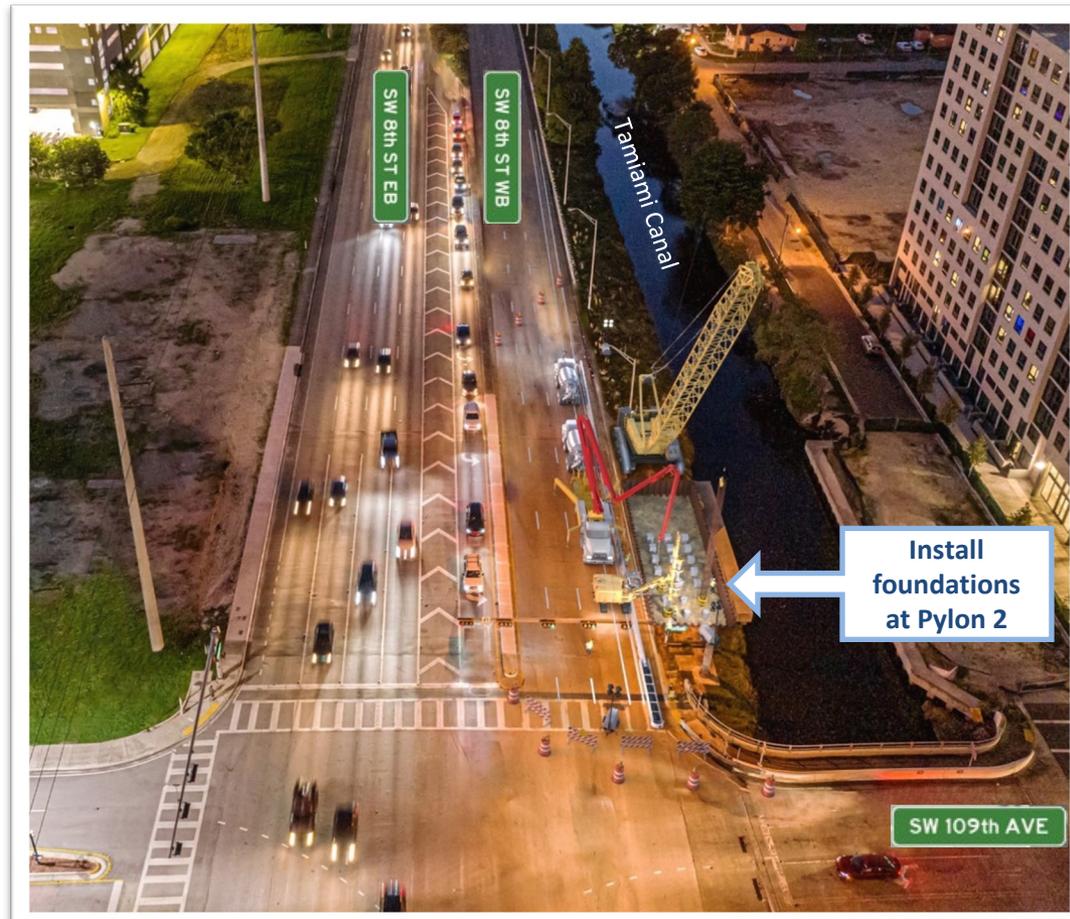
# What to Expect During Construction

## Phase 1

- Remove existing intermediate support
- Install new foundations at Pylon 2

## Maintenance of Traffic

- Nighttime operations
- Close westbound SW 8 St and detour traffic
- Eastbound SW 8 St remains in existing configuration





# What to Expect During Construction

## Phase 2

- Construct bridge Pylon 2 bottom portion
- Construct Piers 1 & 3 at North & South Plazas

## Maintenance of Traffic

- Configuration during these activities will be the same as Phase 1
  - Nighttime operations
  - Close westbound SW 8 St and detour traffic
  - Eastbound SW 8 St remains in existing configuration

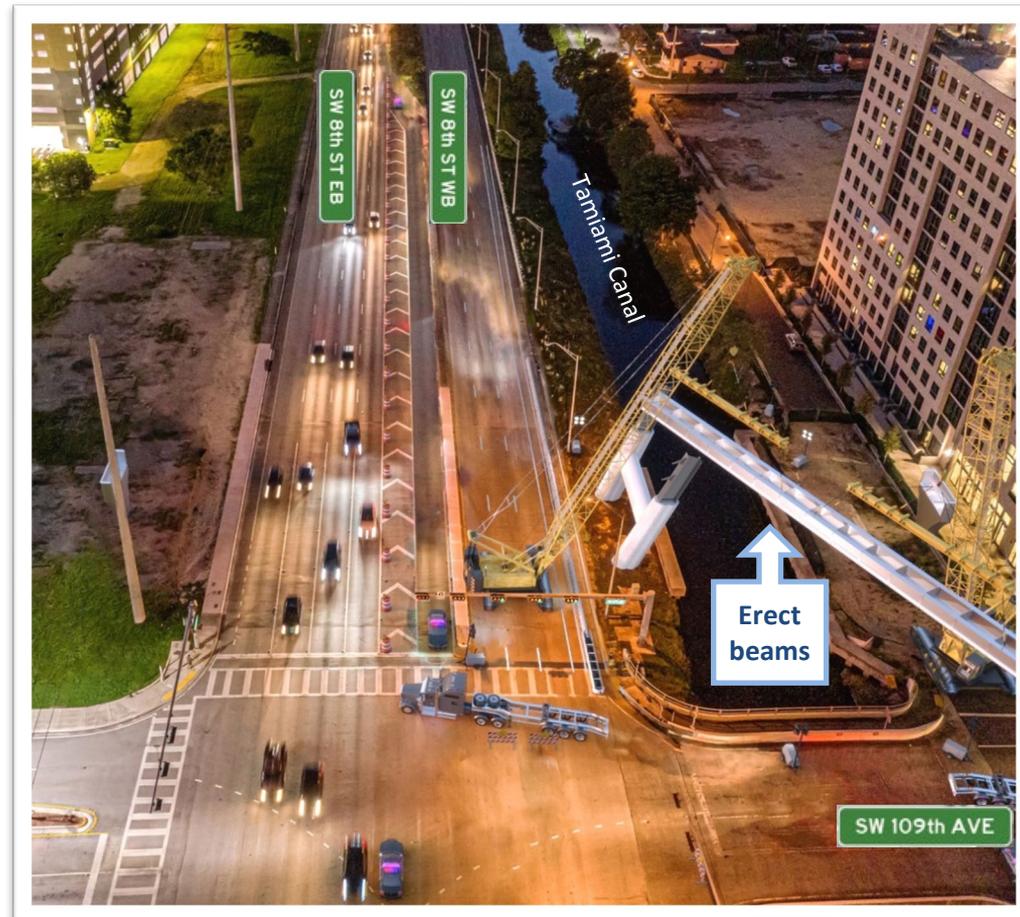
# What to Expect During Construction

## Phase 3

- Erect beams over the canal

## Maintenance of Traffic

- Nighttime operations
- Close westbound SW 8 St and SW 109 Ave and detour traffic
- Close eastbound SW 8 St left turn lane to SW 109 Ave
- Eastbound SW 8 St through lanes will remain open.



# What to Expect During Construction

## Phase 4

- Erect beams over SW 8 St

## Maintenance of Traffic

- Nighttime operations
- Full closure of SW 8 St and detour traffic



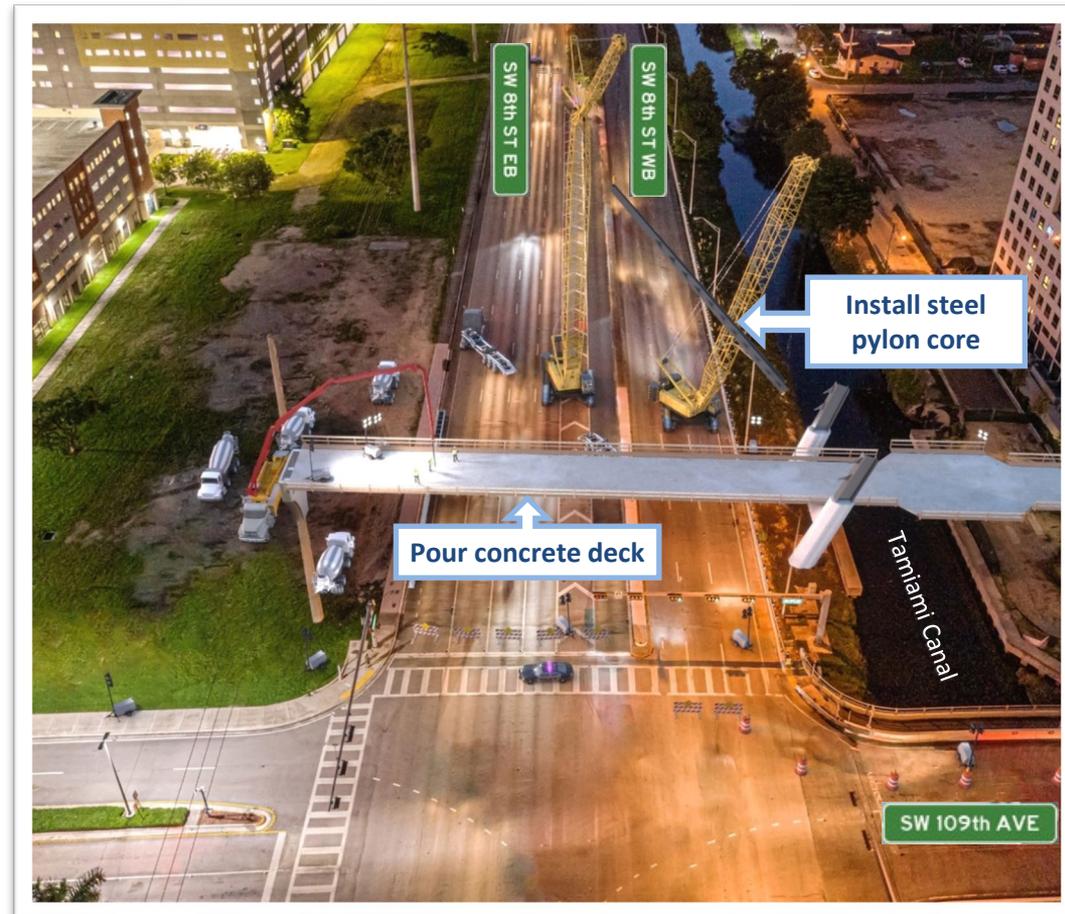
# What to Expect During Construction

## Phase 5

- Pour deck concrete at night
- Erect pylon steel core

## Maintenance of Traffic

- Nighttime operations
- Full closure of SW 8 St and detour traffic



# What to Expect During Construction

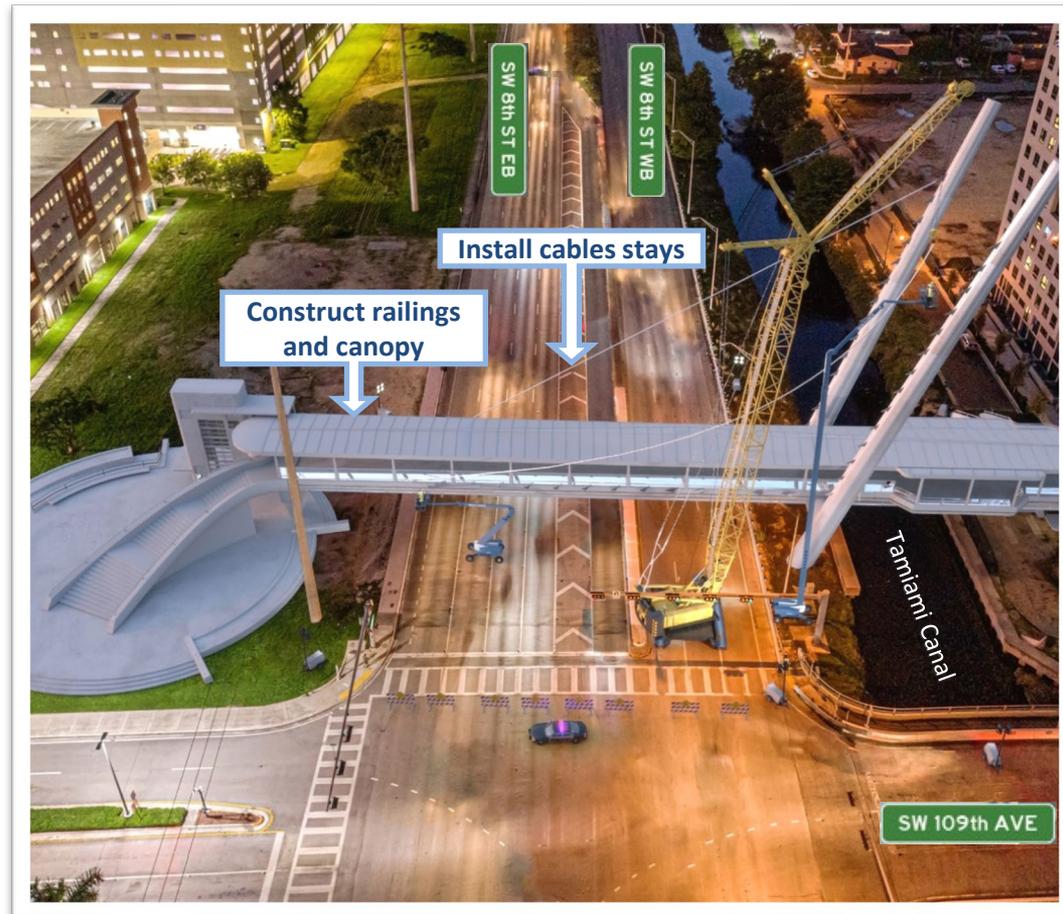
## Phase 6

- Construct railings and canopy
- Install bridge cable stays

## Maintenance of Traffic

- Nighttime operations
- Full closure of SW 8 St and detour traffic

*Minor overhead work for lighting, conduits and utilities will be performed using lane closures.*





# SW 8 St Detour





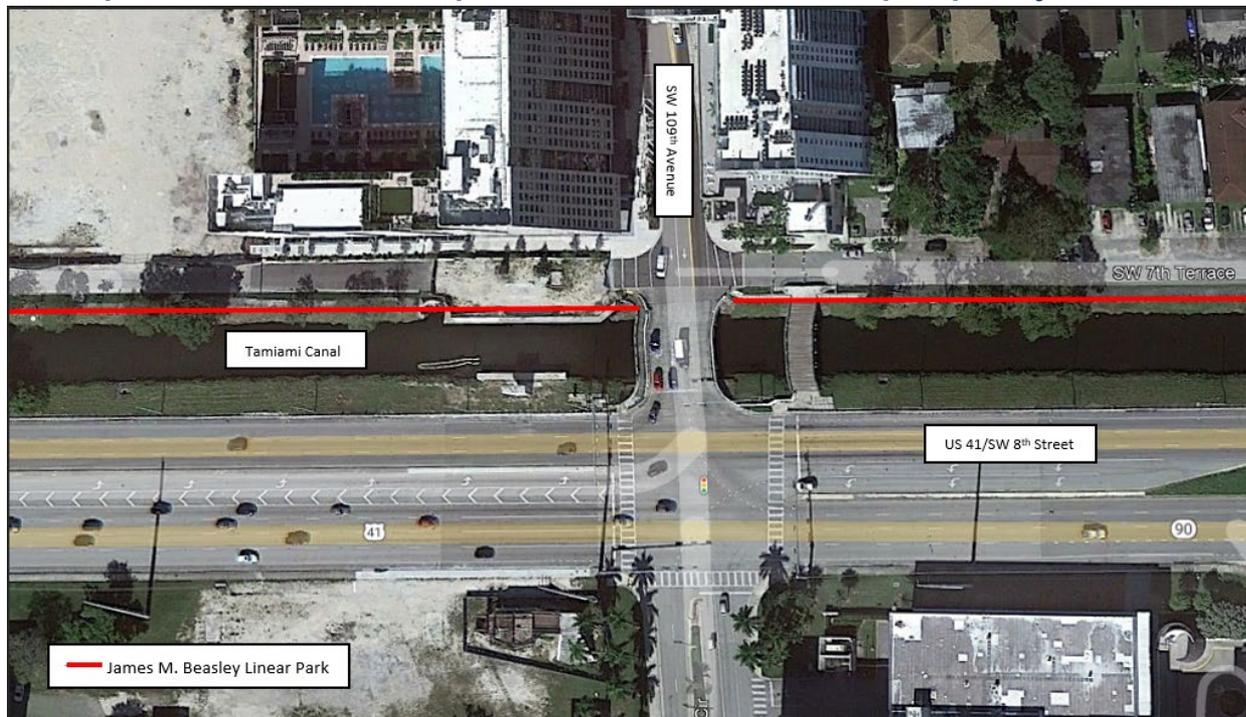
## **Section 4(f) of the U.S. Department of Transportation Act**

- Section 4(f) applies when DOT approves a transportation project that uses a Section 4(f) property
- Statute protects the use of Section 4(f) properties in a transportation facility
- Section 4(f) requires consideration of:
  - Parks and recreational areas open to the public
  - Publicly owned wildlife and waterfowl refuges
  - Historic sites of national, state or local significance

## Section 4(f) Resources

### James M. Beasley Linear Park

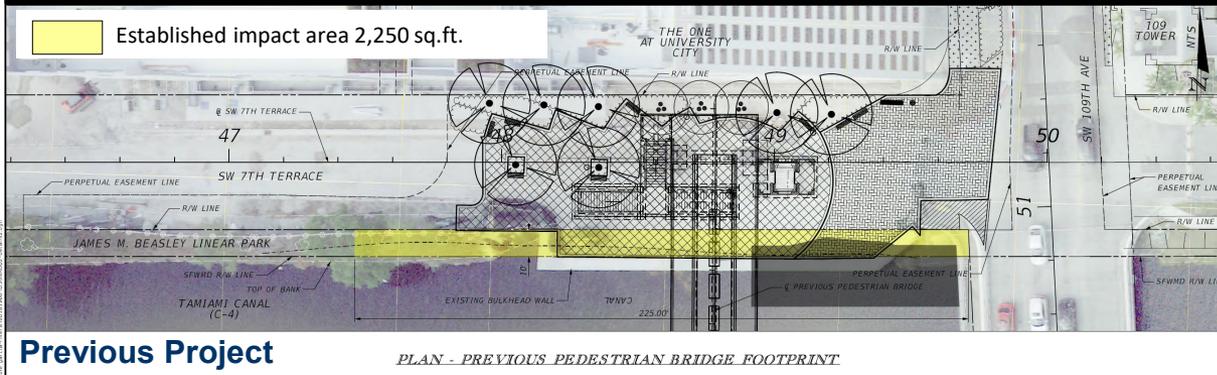
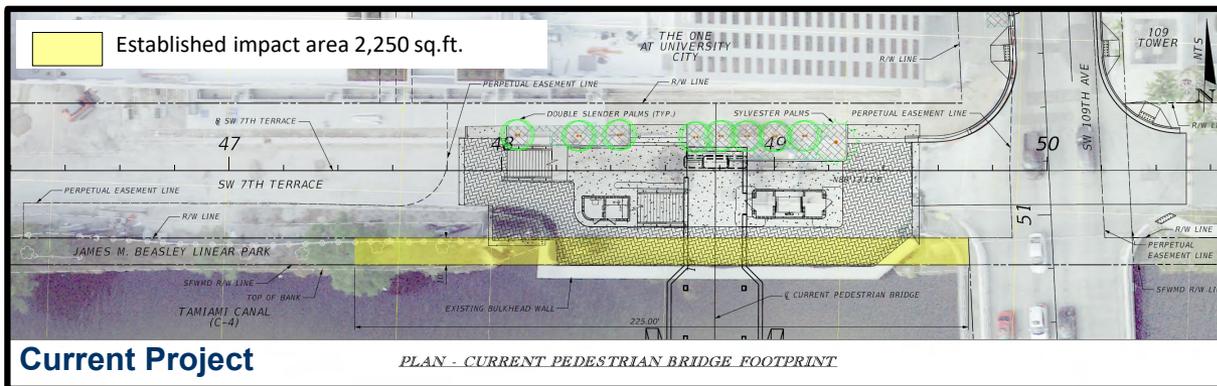
- Along the north side of Tamiami (C-4) Canal
- Owned by City of the Sweetwater
- Required permanent transportation use of the property



## Section 4(f) Resources

### James M. Beasley Linear Park

- 2,250 square feet evaluated as part of a previous NEPA Reevaluation
- Bicyclist/pedestrian connectivity maintained
- Plaza, landscaping, and hardscape considered an enhancement to the park, and serves as a trailhead
- *de minimis* impact determination approved during the 2015 NEPA Reevaluation





## Questions and Answers

- Please submit your comments in the question box
- After addressing comments in the question box, we will open the microphones. If we are unable to answer your question, the project team will provide a written response after the meeting
- If you would like to speak, please press the raise your hand button. Participants will have three minutes to provide comments and questions to allow others to speak
- Staff will be available to answer questions in the order they are received and as time permits. If your question is not responded to during the event, a response will be provided in writing following the meeting



Florida Department of  
**TRANSPORTATION**

SR 90/US 41/SW 8 St  
at SW 109 Ave Pedestrian Bridge  
FIN: 447046-1-52-01

## CONTACT

**Community Outreach Specialist  
Sergies Duarte**



**305-216-3617**



**Sergies.Duarte@dot.state.fl.us**



**www.fdotmiamidade.com**

**Download tonight's presentation at:**

**<https://www.fdotmiamidade.com/design-projects/south-miamidade/sr-90us-41sw-8-st-at-sw-109-ave-pedestrian-bridge-replacement.html>**

**Please take our exit survey!**



Florida Department of  
**TRANSPORTATION**

SR 90/US 41/SW 8 St  
at SW 109 Ave Pedestrian Bridge  
FIN: 447046-1-52-01

**Scan QR code to  
download the presentation.**





Florida Department of  
**TRANSPORTATION**

SR 90/US 41/SW 8 St  
at SW 109 Ave Pedestrian Bridge  
FIN: 447046-1-52-01

