



Florida Department of  
Transportation

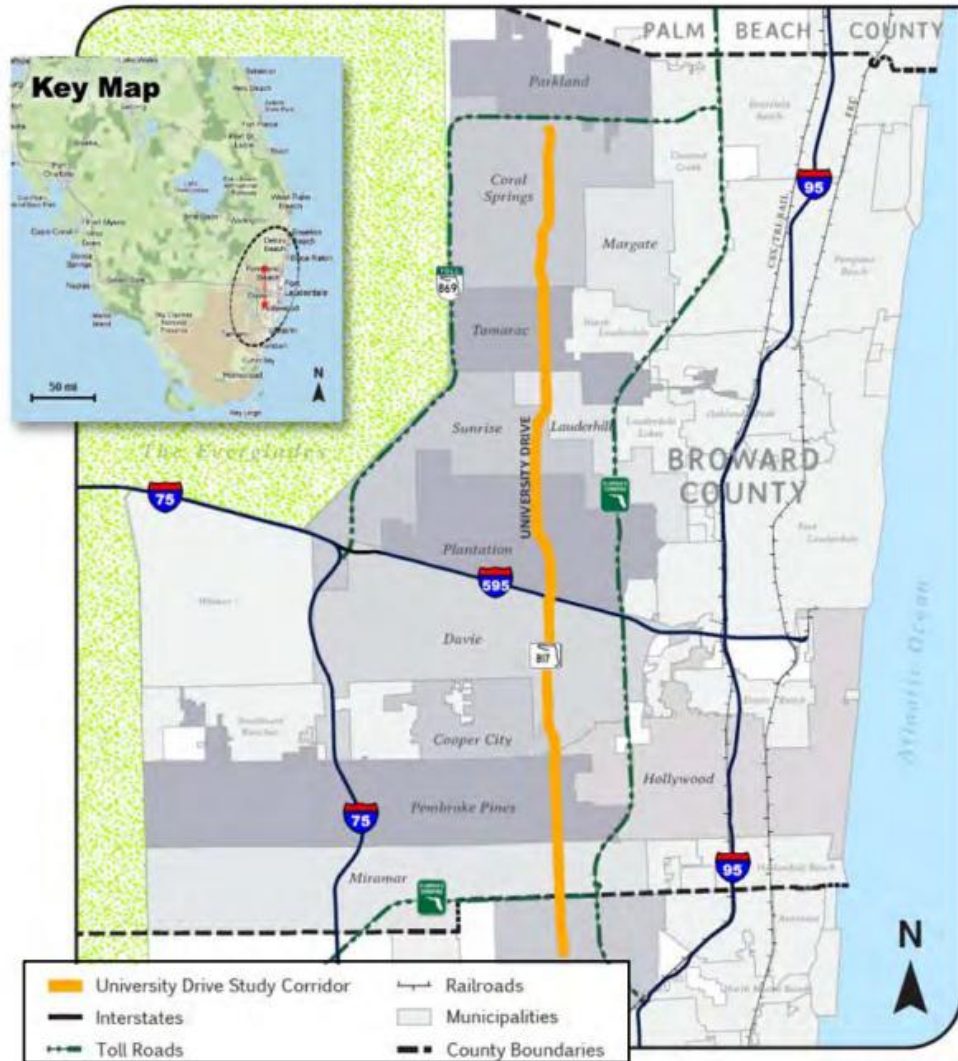
**State Road (SR) 817/University Drive  
From North of Pembroke Road to North of Johnson Street  
Mobility Improvement Project**

**Financial Project ID Number: 443597-1-52-01**

**PRESENTATION TO CITY OF PEMBROKE PINES  
Wednesday, May 21, 2025**



# University Drive Corridor Study



- Study was completed and adopted by MPO Board in March 2015
- Study spanned from the Miami-Dade/Broward County Line to Westview Drive (Just south of Sawgrass Expressway)
- The following needs were identified:
  - Improve North-South mobility for transit, bicycle, pedestrian and automobile users
  - Improve safety for all users
  - Improve livability and walkability in and adjacent to the University Drive corridor
  - Invest in transportation solutions that are cost effective
- 13 Projects have moved to implementation

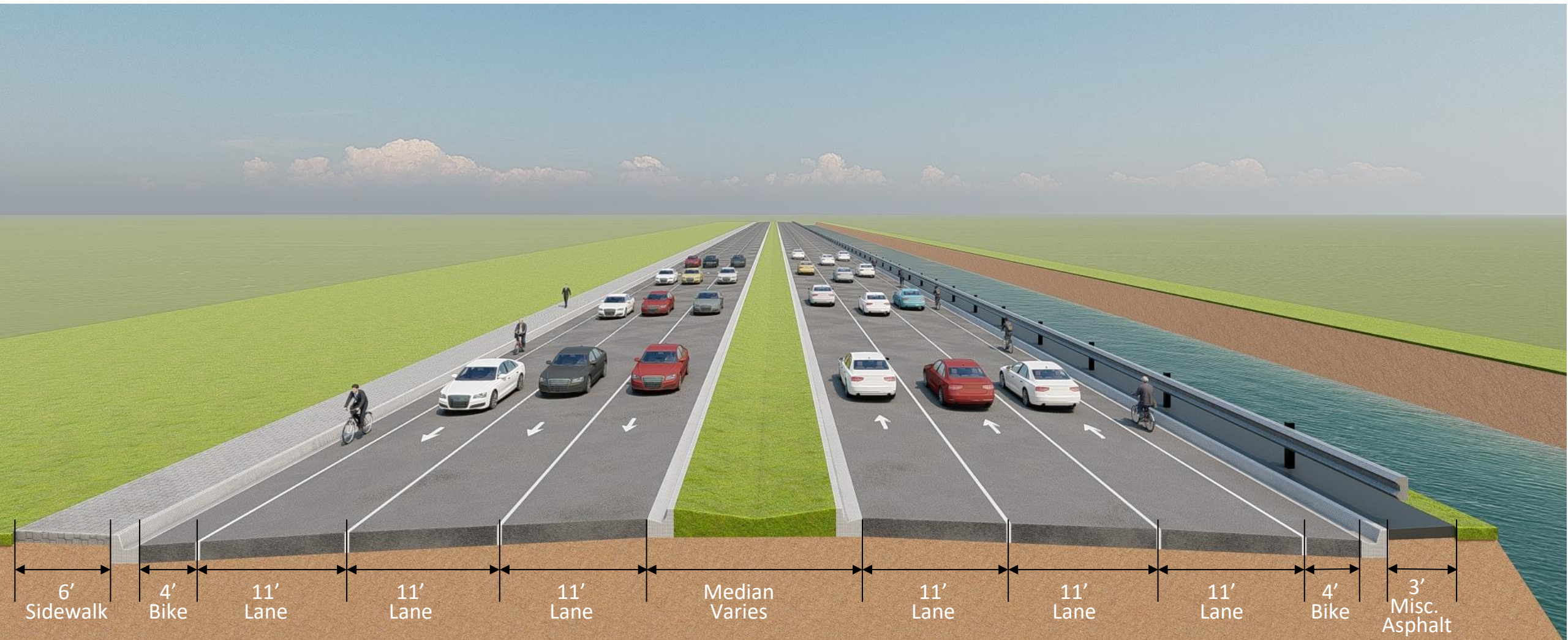
# Project Location and Overview

- Located in the City of Pembroke Pines, Broward County
- Project limits extend from north of Pembroke Road to north of Johnson Street
- 6-lane divided Urban Principal Arterial
- 4-foot bicycle lanes from Pembroke Road to south of Pines Boulevard
- 45 mph posted speed limit
- North Perry Airport within proximity
- **Project Length: 1.747 miles**





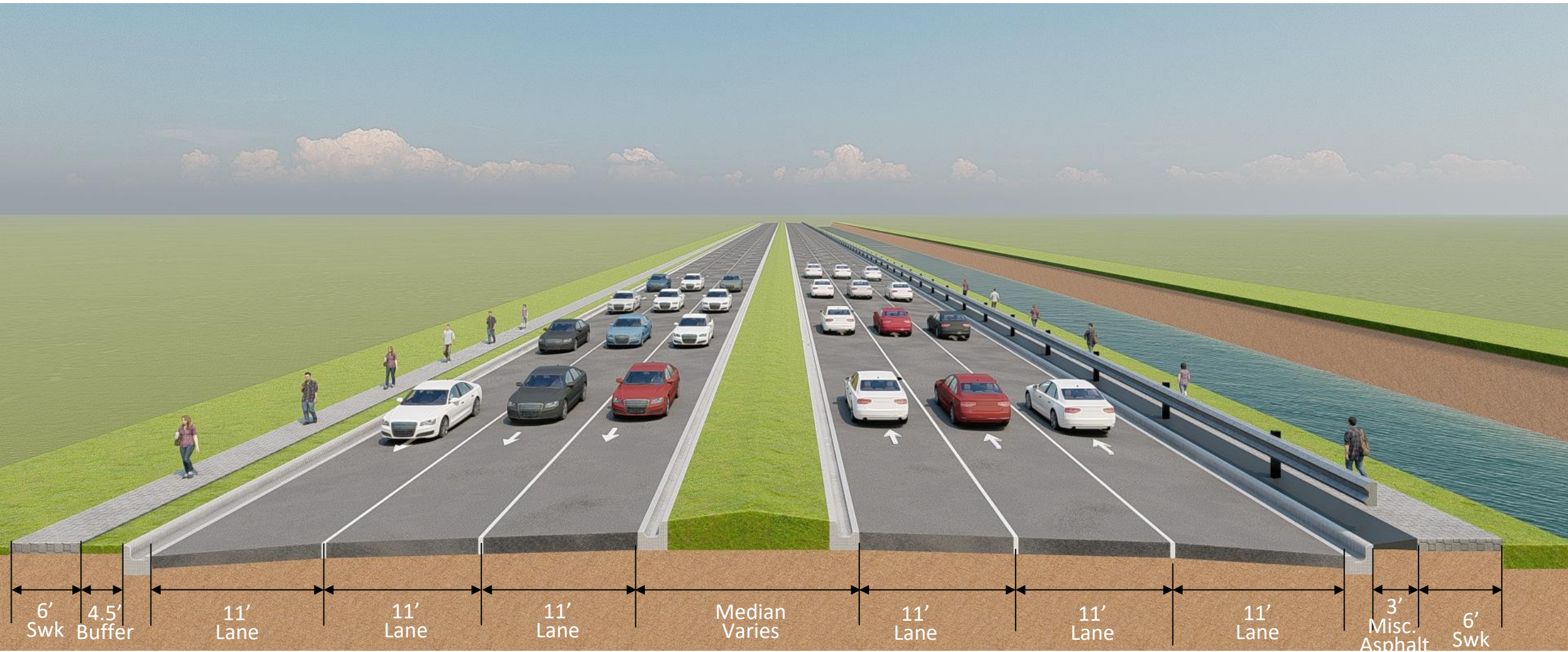
# Existing Typical Section



From North of Pembroke Road to Pines Boulevard



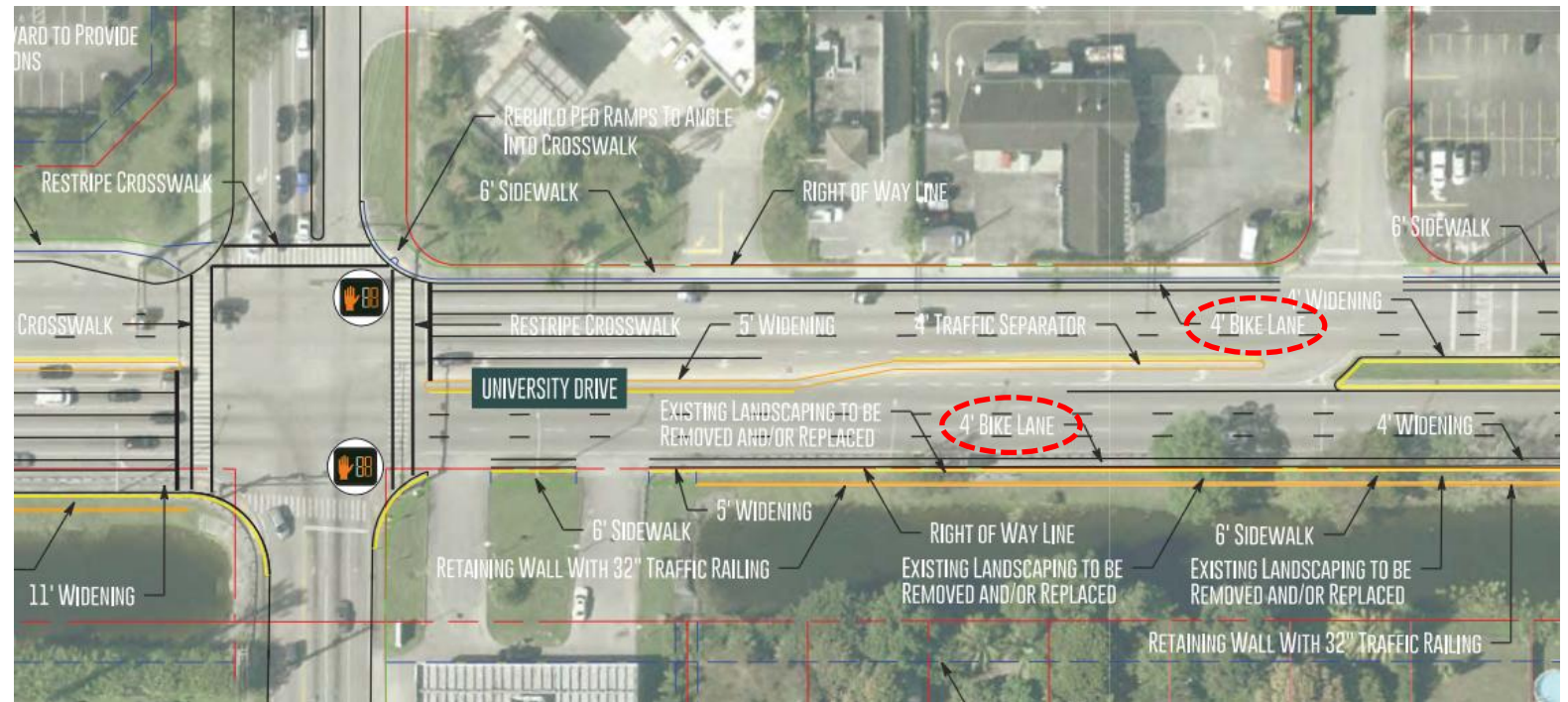
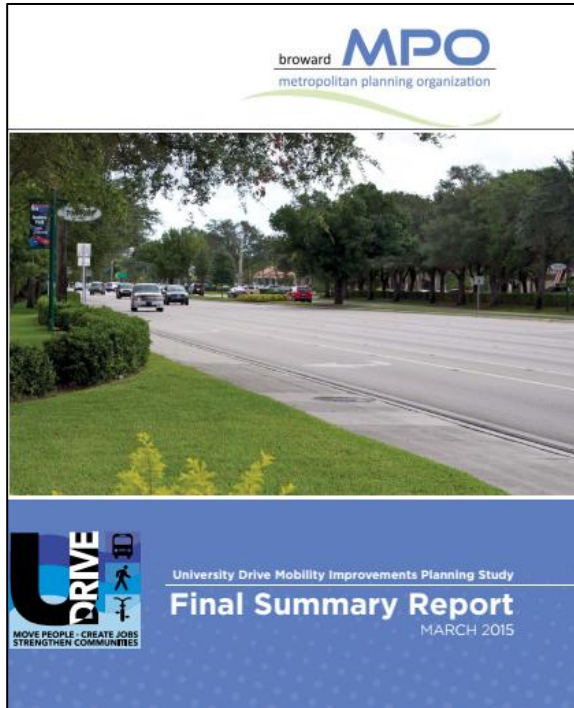
# Existing Typical Section



**From Pines Boulevard to Johnson Street**



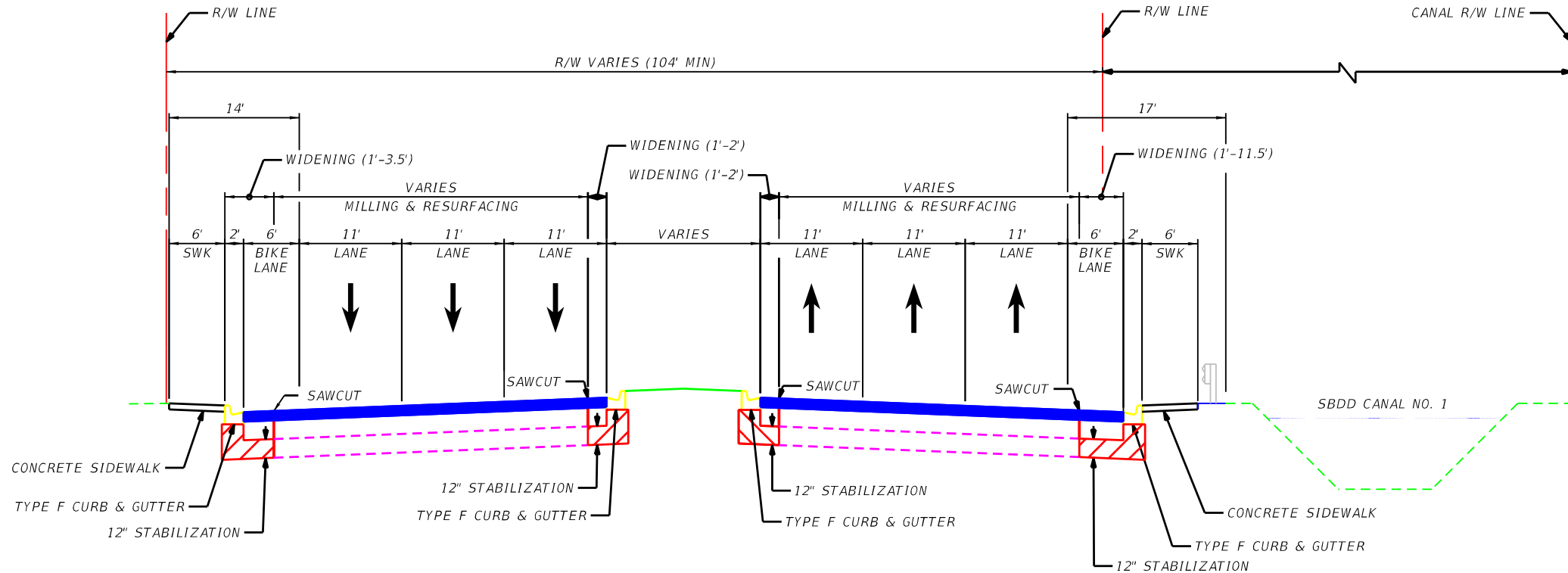
# Feasibility Study Concept



## Feasibility Study completed in 2015 recommendations

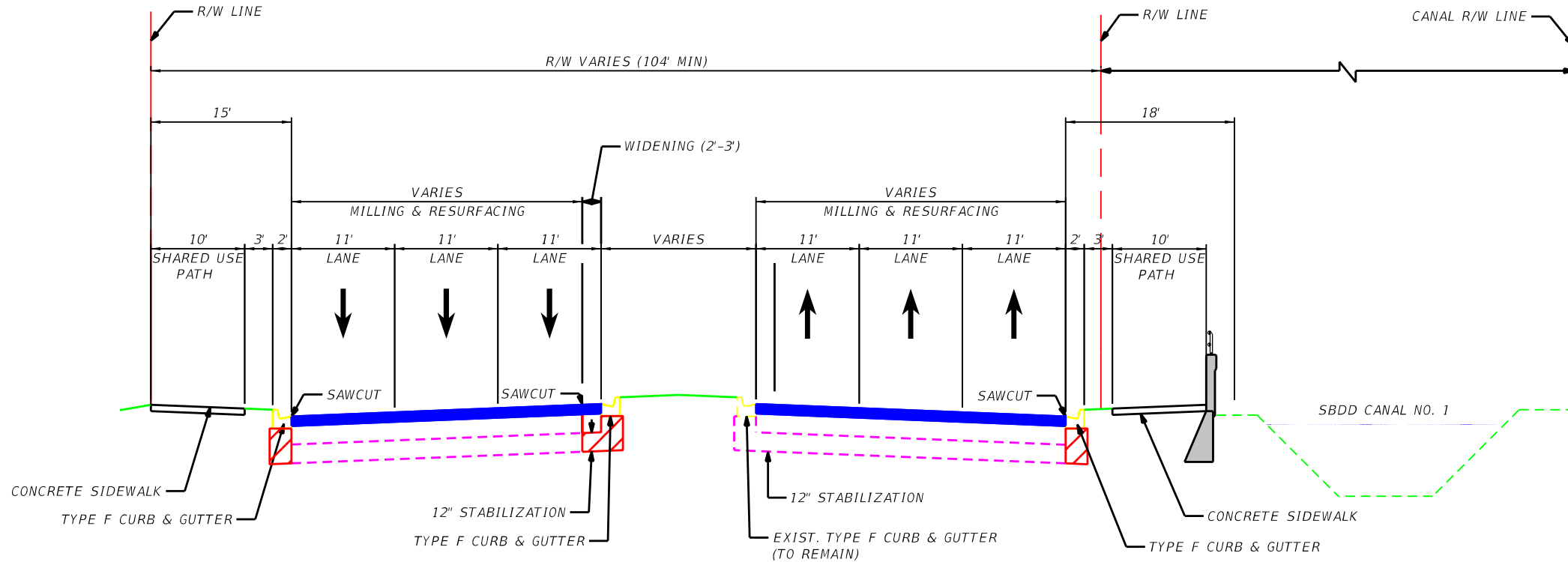
- Three 11' travel lanes in each direction
- **4' minimum bicycle lanes and 6' sidewalks adjacent to the curb and gutter**
- Maintains existing curbline along the west side
- Smallest roadway footprint and impact to the adjacent canal
- **4' minimum bike lane identified to be inadequate, MPO requested evaluation of typical sections along the corridor**

# Typical Sections Evaluation | Alternative 1



- Three 11' travel lanes in each direction
- 6' buffered bicycle lanes and 6' sidewalks adjacent to the curb and gutter
- Maintains existing curbline along most of the west side
- **Smaller roadway footprint and minimal impact to the adjacent canal**

# Typical Sections Evaluation | Alternative 2 - Preferred



- Three 11' travel lanes in each direction
- 10' shared use path separated from the curb and gutter by a 3' landscape buffer in both directions
- Requires replacement of the curbline on both sides along with the drainage system
- **Larger roadway footprint with significant impacts to the adjacent canal**
- **Additional construction costs**



# Proposed Typical Section



From North of Pembroke Road to Pines Boulevard

# Proposed Typical Section

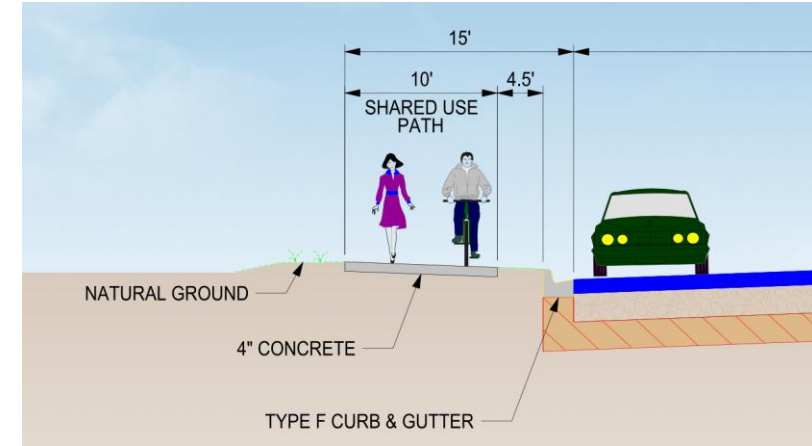


**From Pines Boulevard to North of Johnson Street**



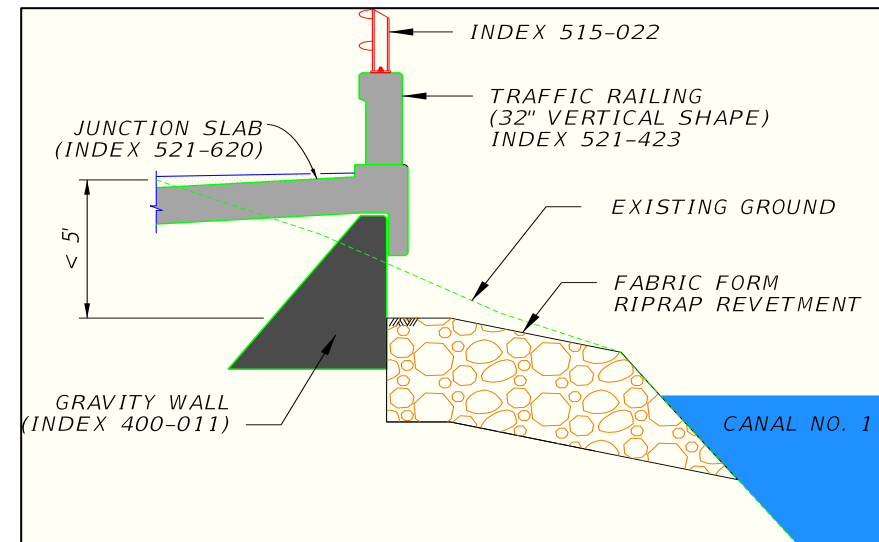
# Pedestrian, Bicycle and Transit

- Providing a new 10-ft shared use path on the west side and a 7-ft buffered bicycle lane on the east side from Pembroke Road to Pines Boulevard
- Providing a new 10-foot shared use path along both sides of the roadway from Pines Boulevard to N of Johnson Street
- Shared use paths will accommodate both pedestrians and bicyclists
- Existing bus stations and shelters will be relocated outside the shared use path
- Connections will be provided to adjacent bus stations and shelters



# Drainage Improvements

- Providing additional drainage inlets to improve the drainage system collection capacity
- Installation of additional stormwater treatment devices to improve water quality discharge from roadway to the canal
- Cleaning of existing cross drains and storm drains
- Dredging of canal to upgrade conveyance capacity
- Providing canal bank stabilization to mitigate erosion





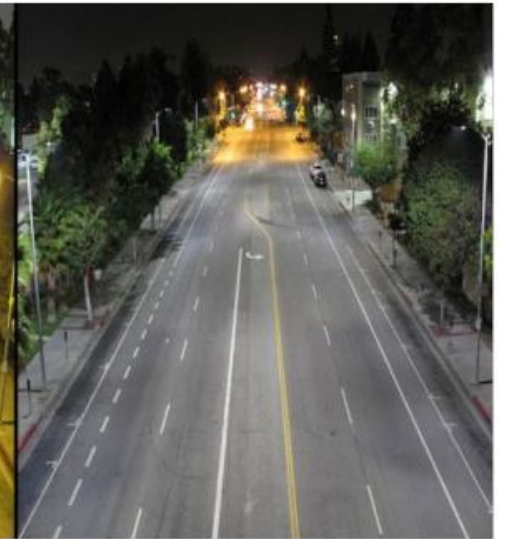
# Signalization Improvements

- Replacing the existing traffic signals with new mast arm poles, controller cabinets, signal heads and video detections at the following intersections:
  - Airport Road
  - French Drive
  - Johnson Street
- Upgrading the existing pedestrian signals at all signalized intersections to meet standards
- Providing flexible backplate on all signal heads within project limit



# Lighting Improvements

- Providing new light poles from Pembroke Road to Johnson Street on both sides of the roadway
- Upgrading existing lighting to LED Light fixtures
- Both pedestrian and roadway lighting will be accommodated
- Intersection lighting retrofits will be provided at the signalized intersections to enhance pedestrian safety



Existing HPS lighting    Proposed LED lighting



# Signing and Pavement Markings

- Upgrading existing signs to meet standards
- Existing cantilever sign south of Pines Boulevard will be replaced
- Providing high emphasis crosswalks at all signalized intersections
- Special signing will be provided for the adjacent shared use path
- Upgrading school crossing signs north of Johnson Street



# Project Cost Estimate

**Construction Cost: Approx. \$41 million**

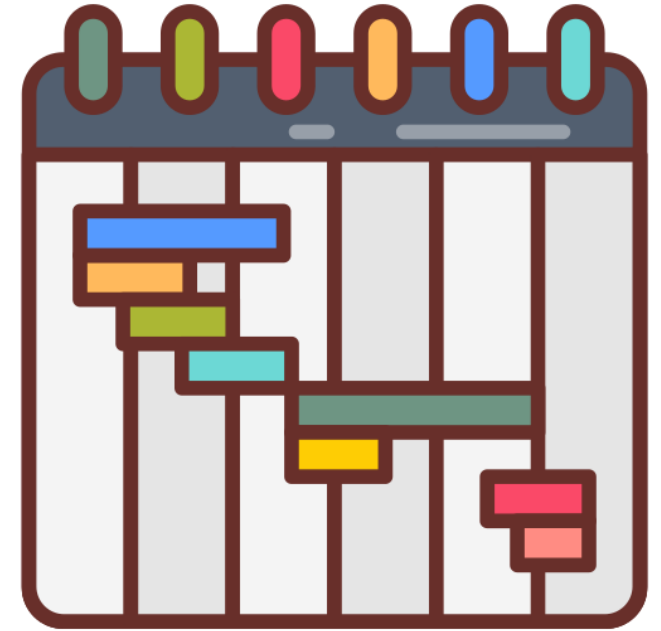
- **Cost increase due to the following factors**
  - Additional dredging of the SBDD Canal to meet permit requirements
    - Additional fabric-formed riprap for embankment protection
    - Additional retaining walls for the increased canal depth
  - Increase in construction material costs over the years





# Project Schedule

- Project Commenced: March 2021
- Design Completed: May 2025
- Letting Date: August 2025
- Construction: December 2025



# Contact Information

If you have additional questions, please contact:  
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***Thank you!***

