



# Mandarin Pedestrian Safety Improvements

May 14, 2025



# Current Project Status

Study Began in October 2024

Completed to date:

- Topographical survey within the right-of-way
- Sketch plans
- 30% Design plans
  - Preliminary sidewalk layout with:
    - Drainage swales and pipes
    - Trees, utilities, and existing features



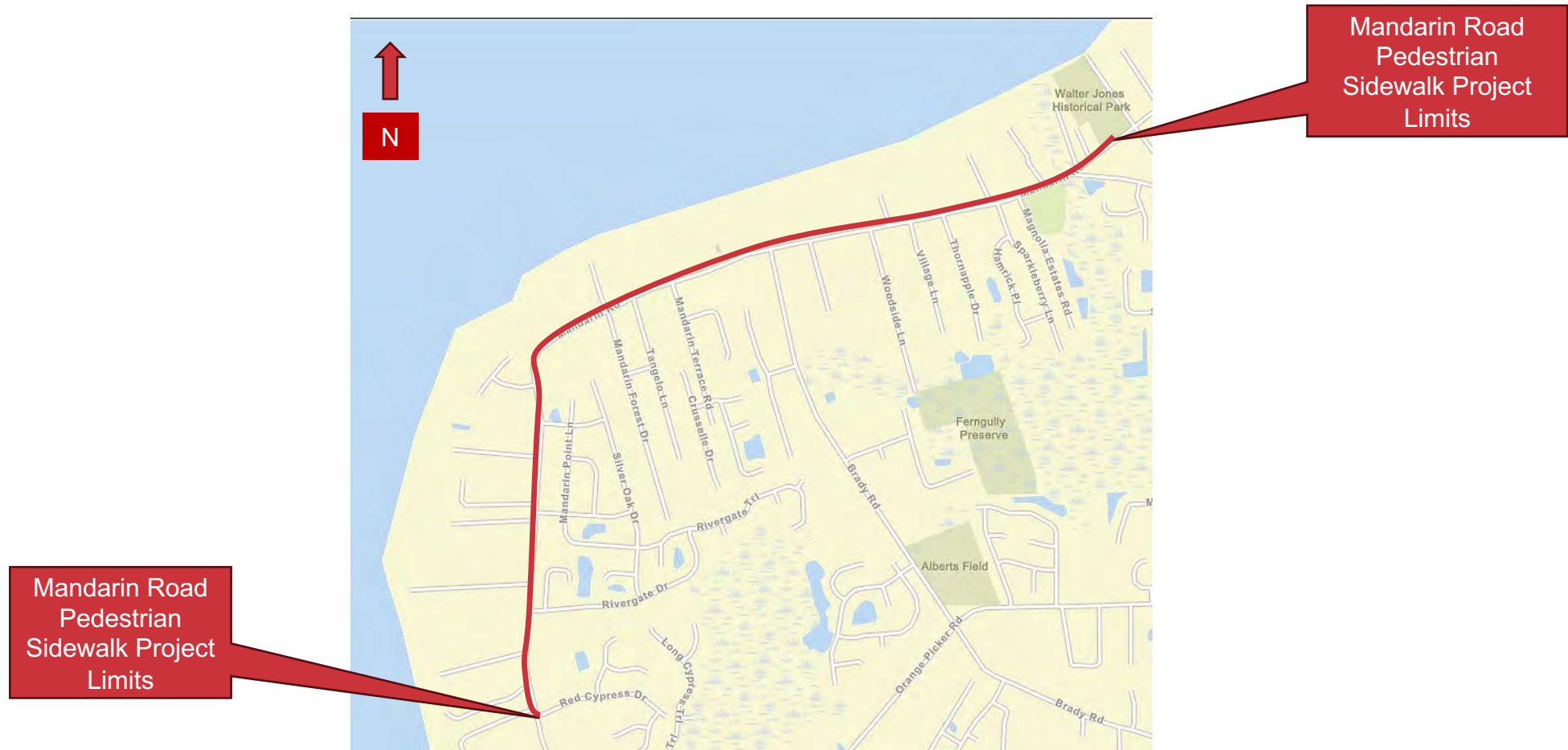
# Objectives

- Overview and project description
- Project status
- Preliminary design
- Design considerations
- Next steps





# Project Overview





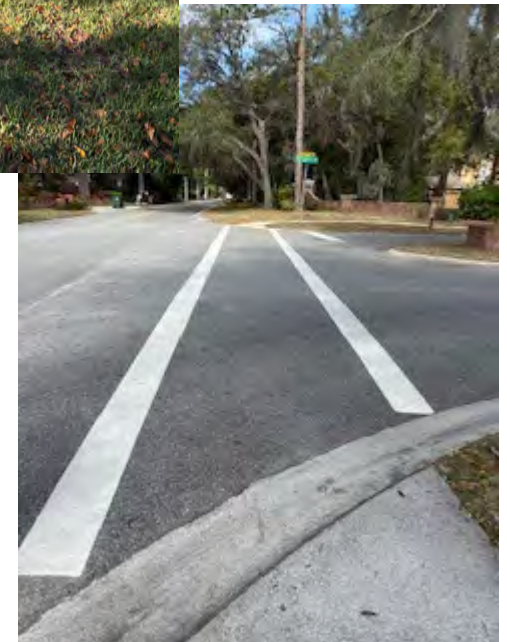
# Project Overview

Project limits: Red Cypress Drive to Walter Jones Historic Park

Total length: Approximately 2.3 miles

Construct 5' wide sidewalk

- East side of road from Red Cypress Drive to Rebecca's Cove Court
- West side of road from Rebecca's Cove Court to Walter Jones Historic Park





# Project Status

Initial environmental review complete

- Completed in accordance with National Environmental Policy Act requirements
- No adverse effects identified on cultural and historic resources
  - Florida Department of State concurrence received
- Documented Categorical Exclusion (DCE) Concurrence Received from FTA
  - Pursuant to 23 CFR 771.118(d)

Additional environmental review may be required if project scope changes



# Project Status

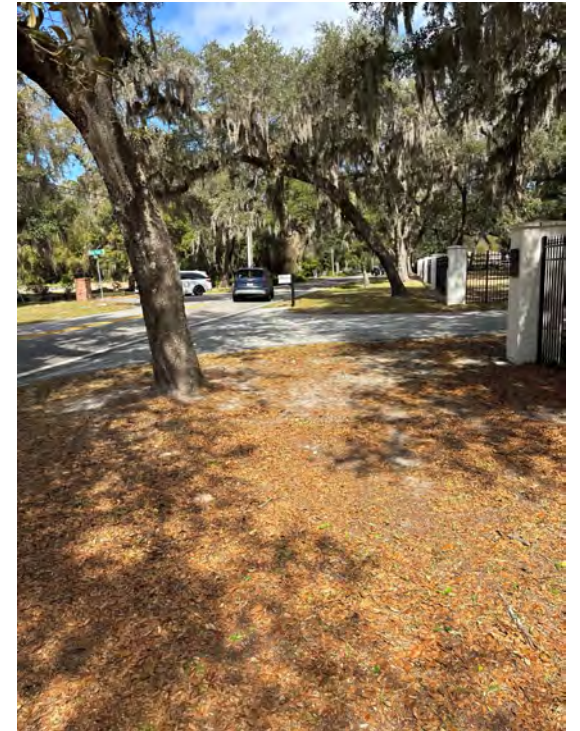
- Drainage swales
  - Does not allow adequate area to place sidewalk in right-of-way
  - Pipe and inlet will replace the function of drainage swale to minimize relocation/removal of existing trees and utilities
  - Extent of areas for drainage swale redesign will be finalized, and any necessary approvals will be obtained in final design





# Project Status

- Trees, utilities, and existing features
  - Tree survey will be performed in final design
  - Sidewalk will weave through existing features
- Extent of relocation will be determined in final design
  - Final design plans will show all relocated features





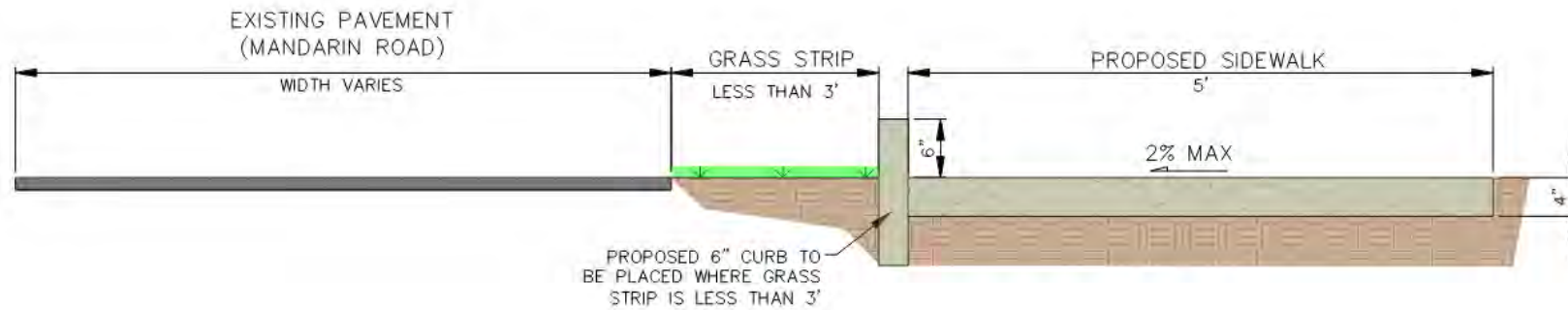
# Design Considerations

- Design considerations
  - Public safety
  - Improve mobility and accessibility
  - Enhance connectivity from previously constructed segments
  - Avoid right-of-way acquisition
  - Preserve tree canopy
    - Minimize impacts to existing trees
  - Minimize impacts to existing utilities
    - Water, storm/sanitary sewer
    - Electric lines/poles
    - Fiber optic & telecommunications
  - Landscaping, fences, and mailboxes





# Design Considerations



Typical sidewalk cross section with curb



Typical sidewalk cross section



# Design Considerations

## Planned steps to preserve existing trees

- Sidewalk layout placed to minimize impacts to trees
  - Tree impacts will be analyzed in final design
  - Sidewalk will be routed to avoid tree impacts to the maximum extent possible
- Arborist review to be included in final design and during construction as needed
- Tree protection and alternative sidewalk materials to protect trees and root system will be analyzed
- Tree mitigation and protection will be in accordance with the City of Jacksonville ordinances and 10 step permitting review



# Design Considerations

- Preliminary feature identification within the City owned right-of-way
  - Utilities
  - Mailboxes
  - Landscaping
  - Fences
- Drainage swales
  - Consideration of inlets and pipes for sidewalk to remain in the right-of-way
  - Inlets and pipes that replace the existing drainage swales will be analyzed in final design



# Next Steps

## Next Steps

- Review / Incorporate Feedback from Public Meeting
- Advance Design
- Additional Tree Review to Minimize Impacts
- Additional Public Meeting
- Finalize Design
- Secure Permits
- Complete Construction



# Design Project Schedule

- Completed
  - 30% design
- Next phase
  - Final design\*

Additional funding will be needed to supplement the completion of the entire project.

\*Contingent upon funding - Price increases since the initial project cost estimate and additional complexities identified during this study phase resulted in a funding gap.



# Contact Information

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