

Transportation Planning Division

Hancock Lone Palm Road RCA Study Alternative Analysis Public Meeting

February 19, 2025



Presentation Outline

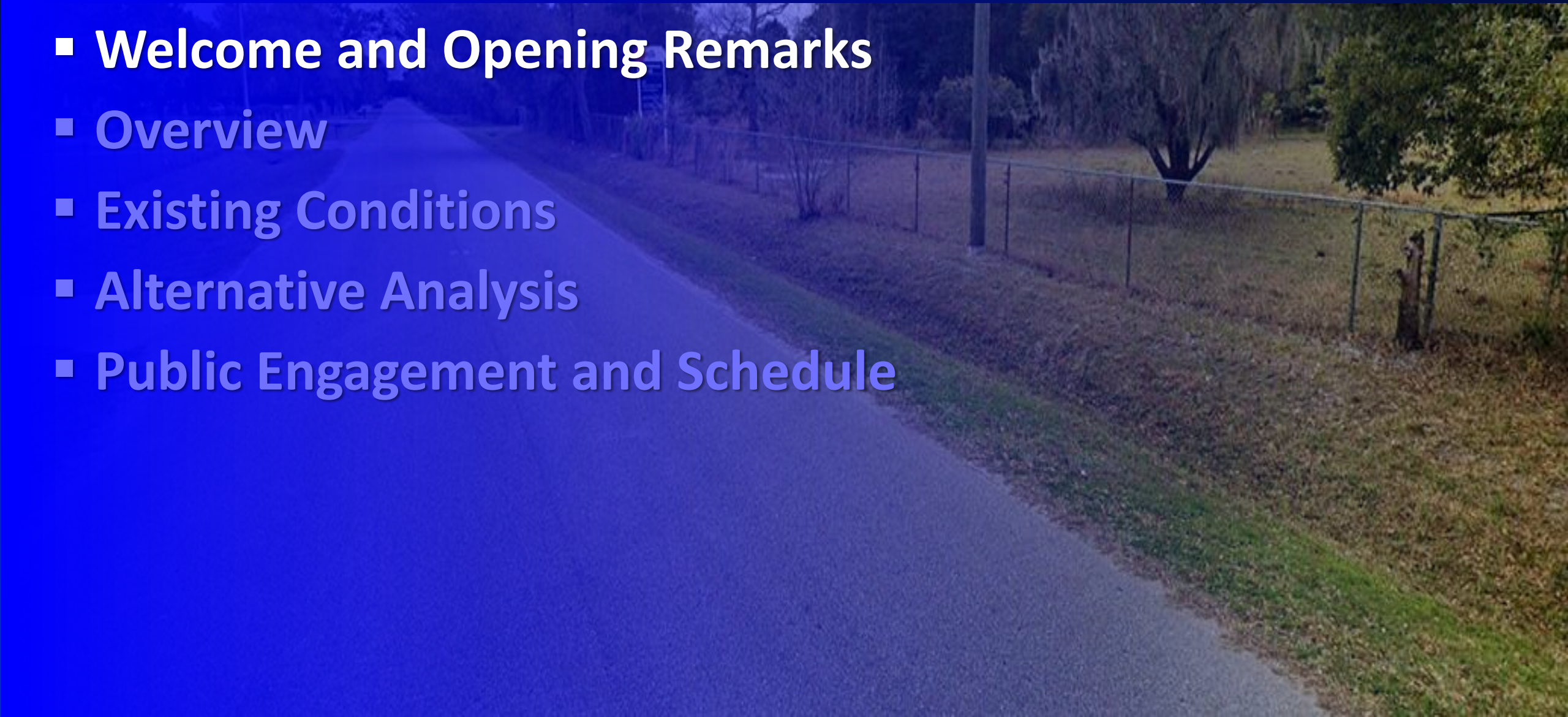
- **Welcome and Opening Remarks**
- **Overview**
- **Existing Conditions**
- **Alternative Analysis**
- **Public Engagement and Schedule**





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Welcome and Opening Remarks



Commissioner Maribel Gomez-Cordero
DISTRICT 4 COMMISSIONER



Welcome and Opening Remarks

Orange County Project Manager:

Krista Taraszewski, PMP

Transportation Planning Division
Orange County Public Works Department
4200 John Young Parkway
Orlando, FL 32839
Email: Krista.Taraszewski@ocfl.net
Phone: 407-836-8014
Fax: 407-836-8079

Consultant Project Manager:

David Dangel, PE

Ardurra Group
3452 Lake Lynda Drive, Suite 200
Orlando, FL 32817
Email: ddangel@ardurra.com
Phone: 407-971-8850



Call, Email, or Visit Website



<https://hancocklonepalmroadrcastudy.com/index.html>



Welcome and Opening Remarks

Meeting Instructions

- The presentation will be followed by a question-and-answer period.
- Questions will be addressed in the order they are received.
- If you received a newsletter, you are on the project mailing list. If you did not, please sign in and provide your address to be added to the mailing list.

Hancock Lone Palm Road Roadway Conceptual Analysis Study Public Meeting #1

Orange County Mayor Jerry Demings and District 4 Commissioner Maribel Gomez Cordero, invite you to attend a public meeting for the Hancock Lone Palm Road, Roadway Conceptual Analysis Study.

Meeting Date and Time
 Wednesday, February 19, 2025
 6:00-8:00 p.m.
 6:00 pm Open House
 6:30 Presentation

Meeting Location
 Timber Springs Middle School Cafeteria
 16001 Timber Park Ln, Orlando, FL 32828

Members of the public will have opportunities to submit questions and provide comments.

What is the intent of this meeting?
 The purpose of the first meeting is to present the data collection findings, alternative concepts for safety improvements, and to obtain your feedback on transportation issues important to you!

A second meeting is tentatively schedule for Summer 2025.

What are the project limits?
 The study corridor is approximately 12-miles in length and includes Hancock Lone Palm Road, from Waterford Chase Parkway to East Colonial Drive (SR 50). The study area includes the general areas to the east and west of the corridor.

Project Schedule

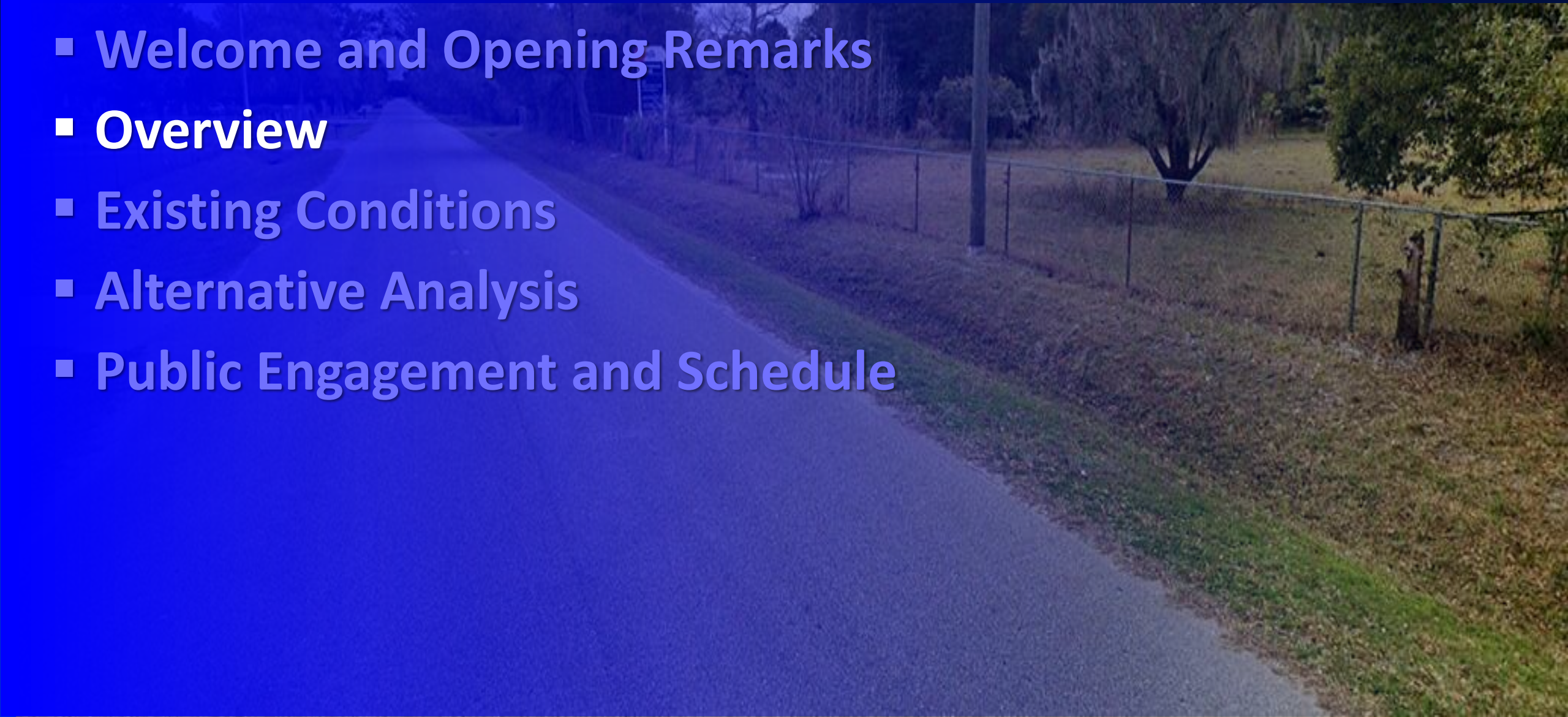
| Task | 2024 | | | | | | | | | | | | 2025 | | | | | | | | | | | |
|------------------------------------|------|---|---|---|---|---|---|---|---|---|---|---|------|---|---|---|---|---|---|---|---|---|---|---|
| | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D |
| Public Involvement | | | | | | | | | | | | | ● | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Community Meetings | | | | | | | | | | | | | | | | | | | | ● | ● | | | |
| Orange County Meetings | | | | | | | | | | | | | | | | | | | | | | | | |
| Public Hearings | | | | | | | | | | | | | | | | | | | | | | | | |
| Recommended Improvement Evaluation | | | | | | | | | | | | | | | | | | | | | | | | |

Sign up online using the QR code below or at <https://hancocklonepalmroadrcastudy.com> to view project documents and the project schedule. Submit your feedback using the online tool and lead the word to others in your community.



Presentation Outline

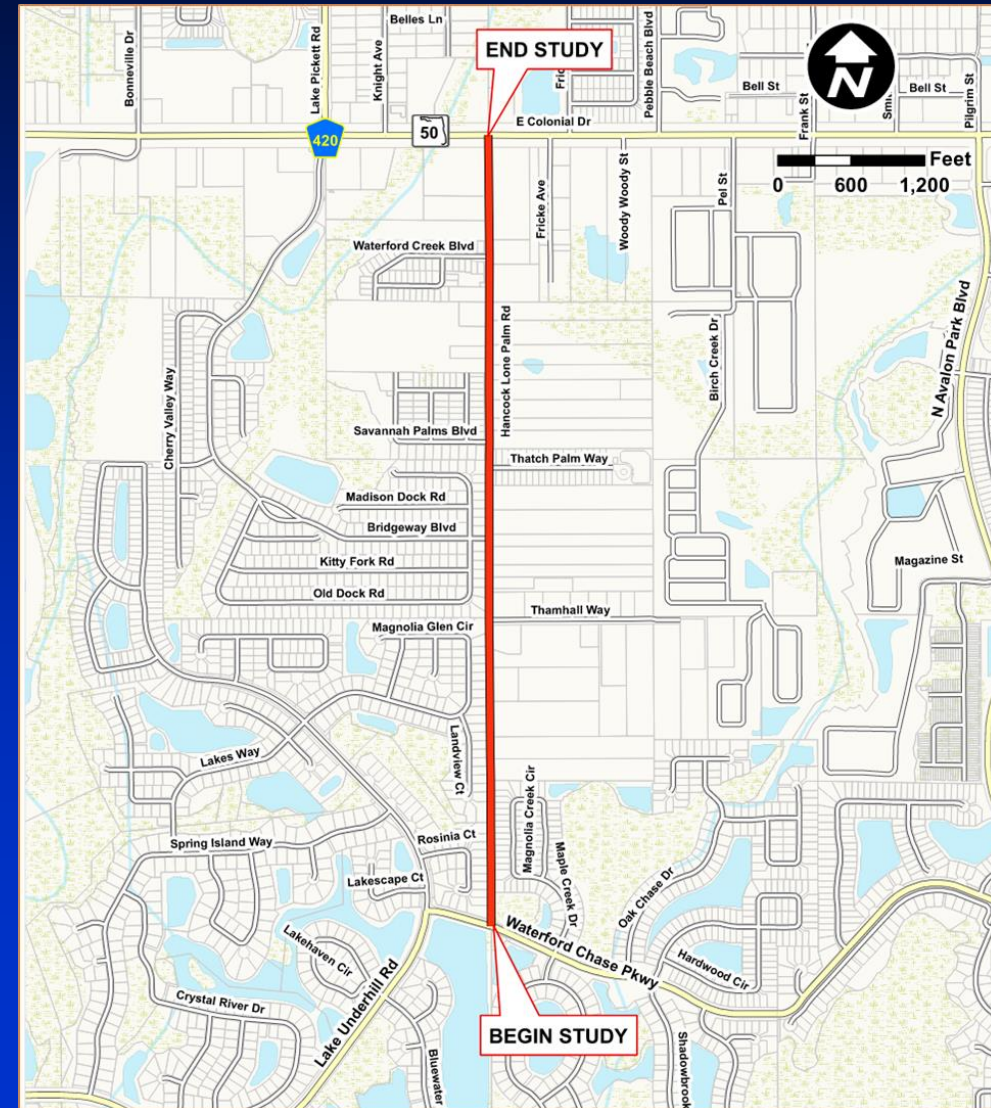
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Overview

- Hancock Lone Palm Road Roadway Conceptual Analysis (RCA) Study from Waterford Chase Parkway to East Colonial Drive (SR 50)
- Identified as a Planned County Road Project in the Orange County Long Range Plan
- Evaluate Hancock Lone Palm Road improvements, a potential extension to the south and intersection improvements at E Colonial Drive
- Evaluate roadway improvements; drainage, lighting, and pedestrian/bicycle facilities

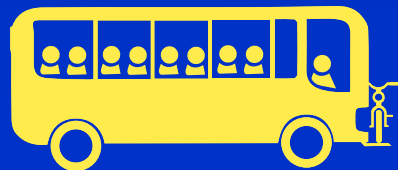
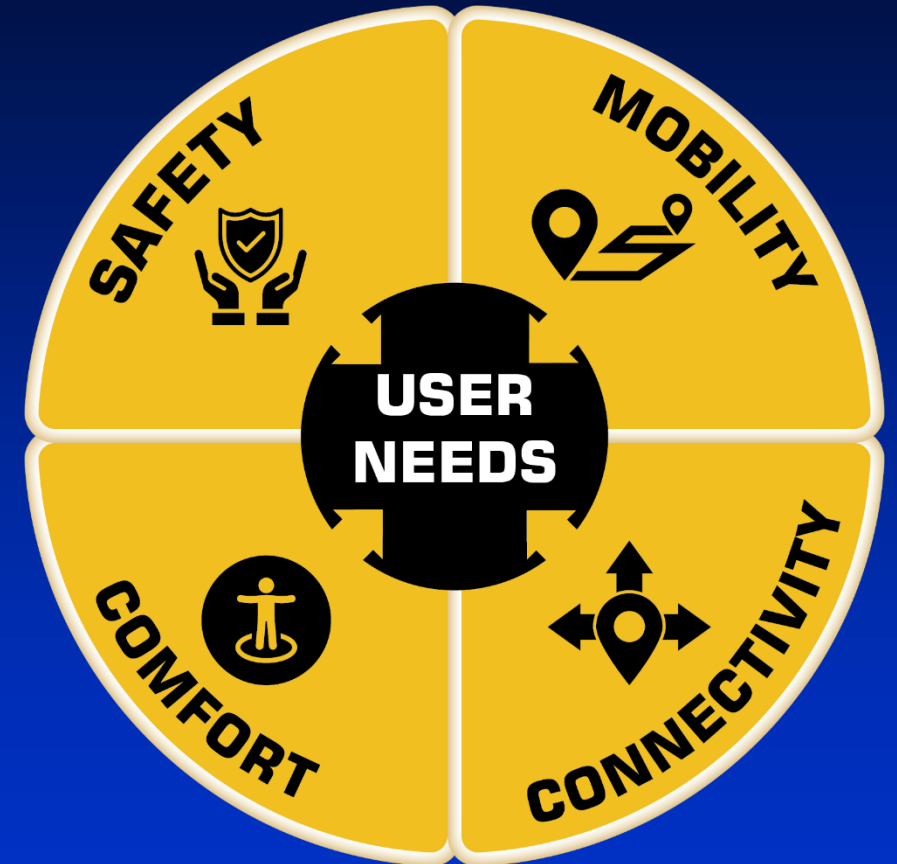




Overview

Identify Improvements

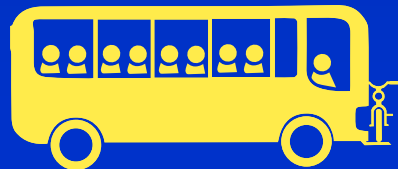
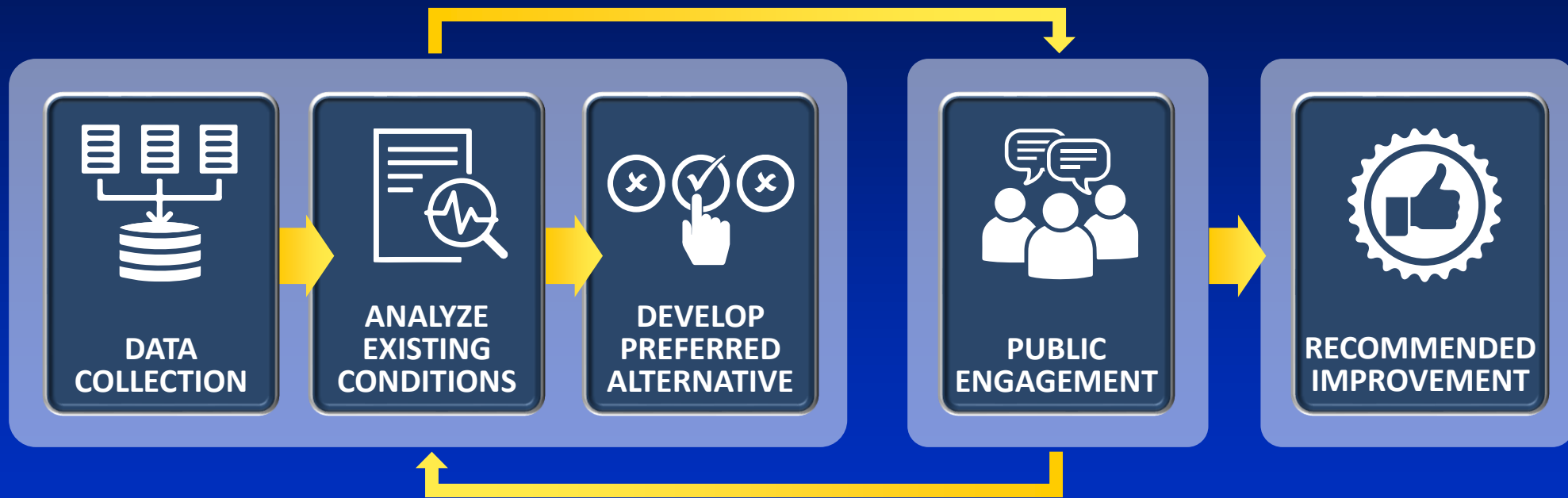
- Document Project Need
- Balance Needs of all users
 - Safety
 - Mobility
 - Comfort
 - Connectivity





Overview

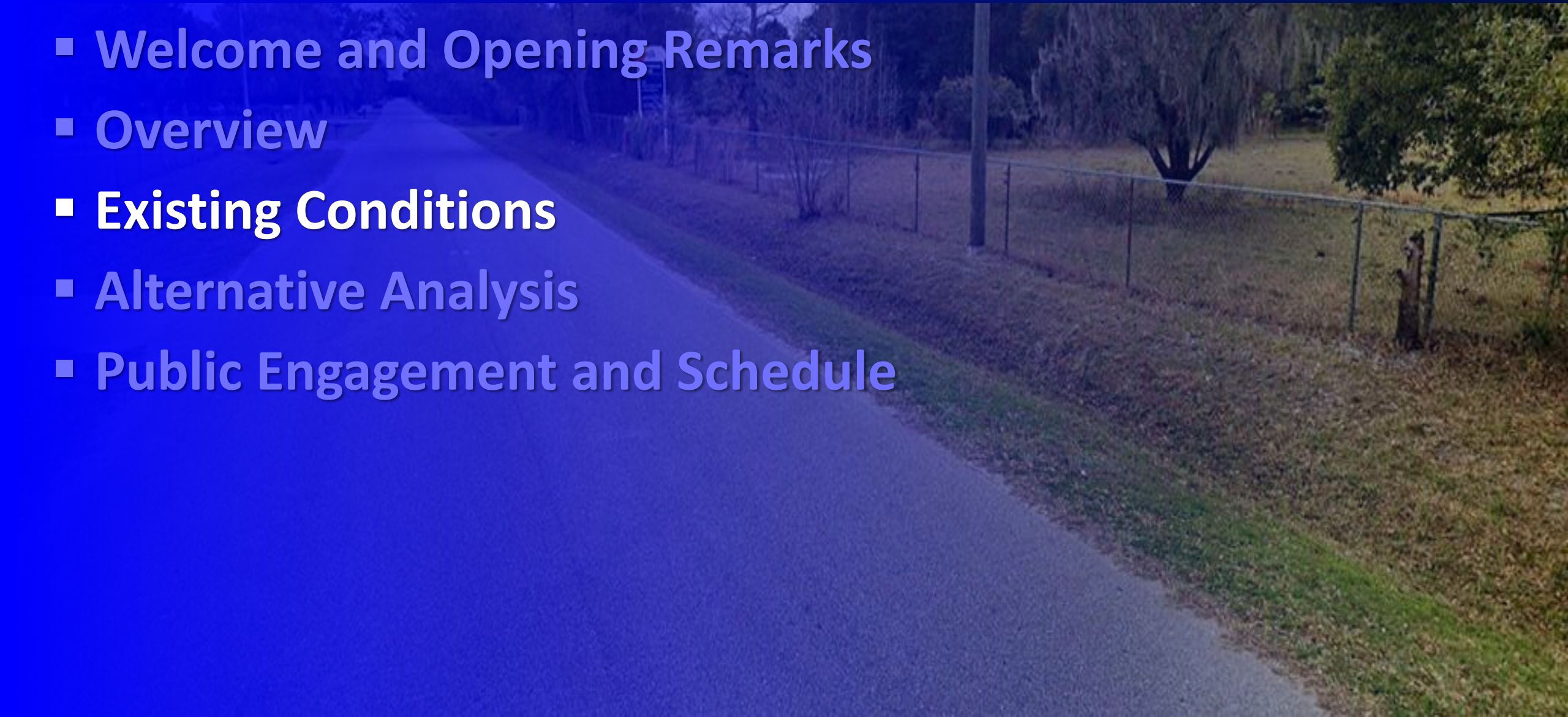
Study Process





Presentation Outline

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- **Existing Conditions**
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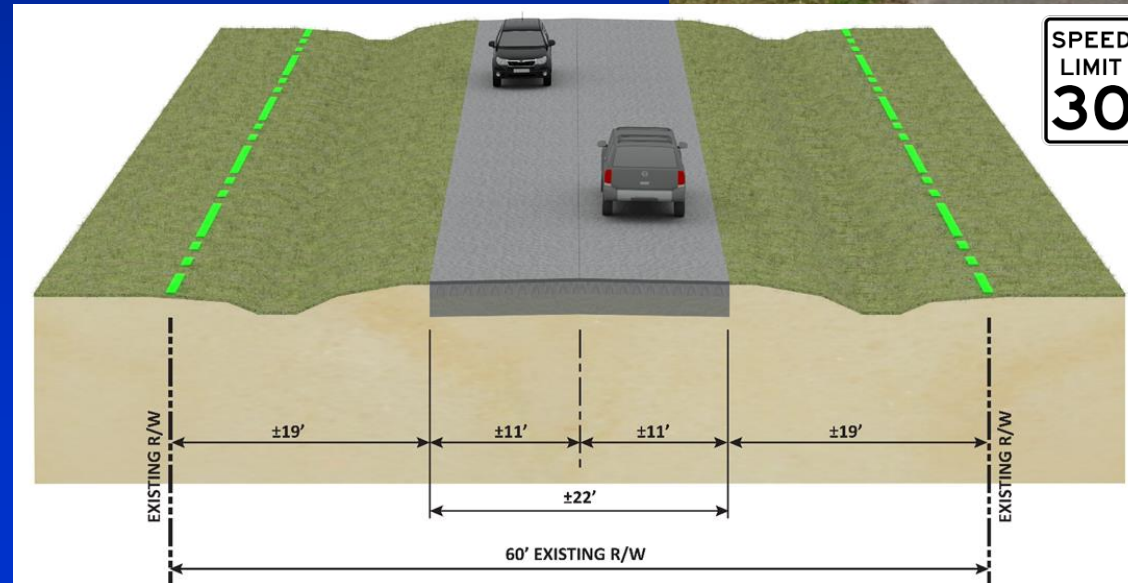




Existing Conditions

Roadway Geometry and Characteristics

- Two-lane undivided roadway
- 60 feet of existing right-of-way
- Open (swale) drainage
- Intermittent sidewalks
- 30 MPH speed limit





Existing Conditions

Community Features

Schools/Universities

- There are no academic institutions or school zones within the study area.

Religious Centers

- Aisha Cultural Center

Parks

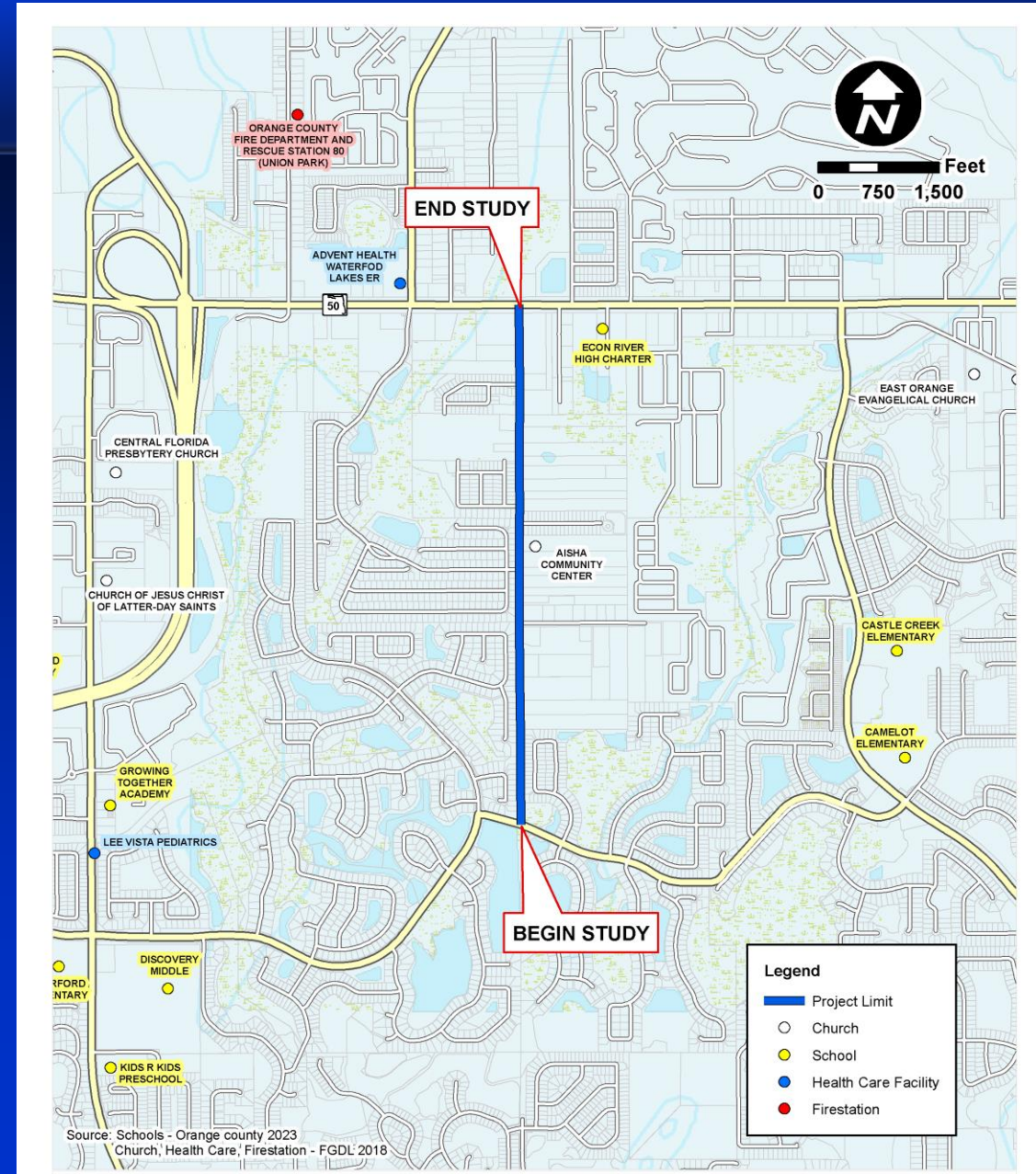
- There are no public parks located within the project area.

Recreation

- There are no shared-use paths or trails located within the project area.

Other Features

- There are no emergency services, community centers, hospitals, or cemeteries located within the project area.

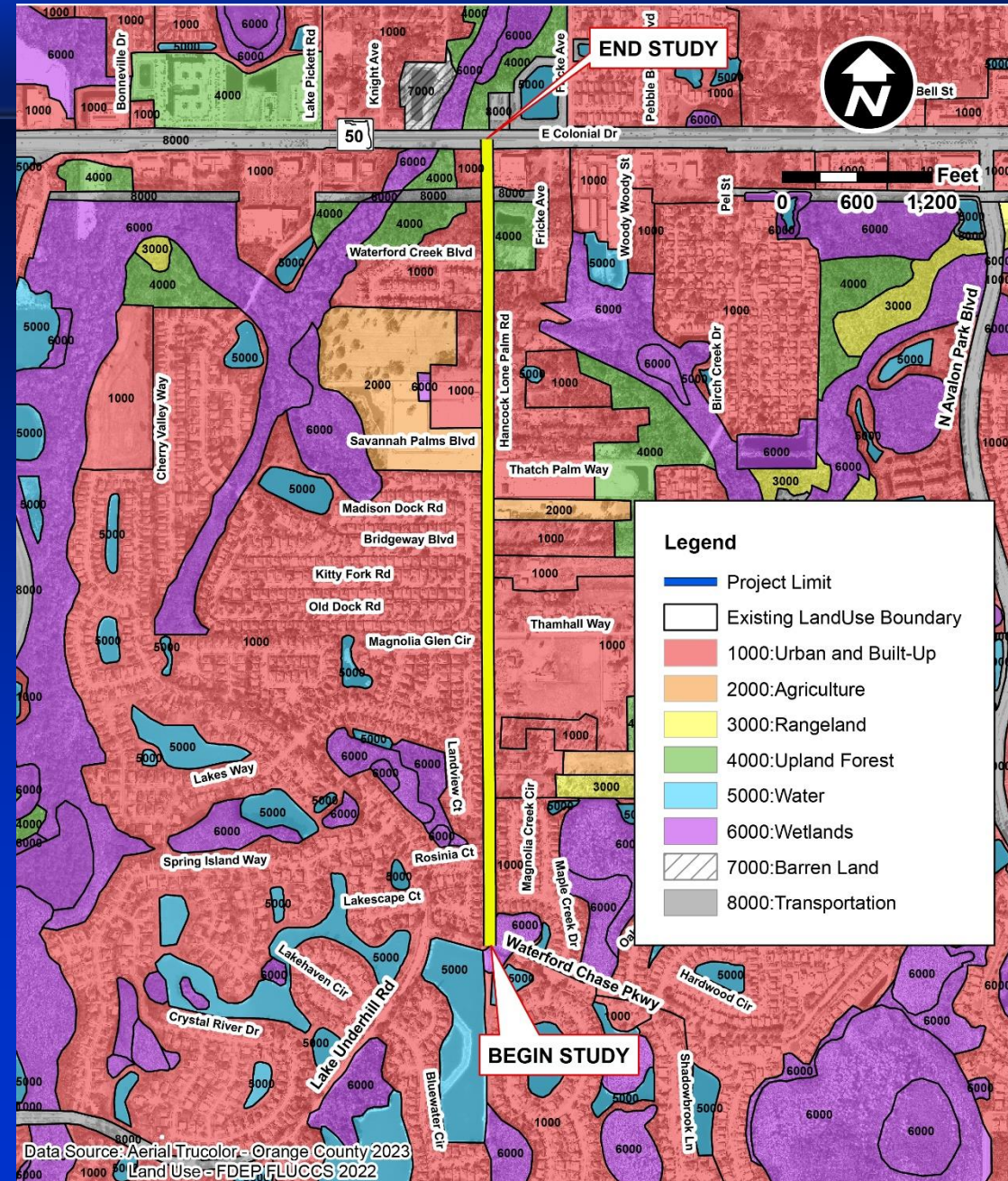




Existing Conditions

Land Use

- Low-medium to medium density residential
- Limited commercial land uses
- Majority of study area designated as Urban and Built-Up





Existing Conditions

Context Classification C3R Suburban Residential

- Mostly residential uses, limited commercial
- Limited roadway connectivity
- 30 MPH existing posted speed limit





Existing Conditions

Utilities

- **There are 12 Utility/Agency Owners in the area:**
 - Duke Energy
 - Orange County Utilities
 - AT&T telephone
 - Charger Communication CATV, fiber, telephone
 - Zayo Group fiber
 - Comcast Communications CATV
 - MCI fiber
 - Summit Broadband fiber, telephone

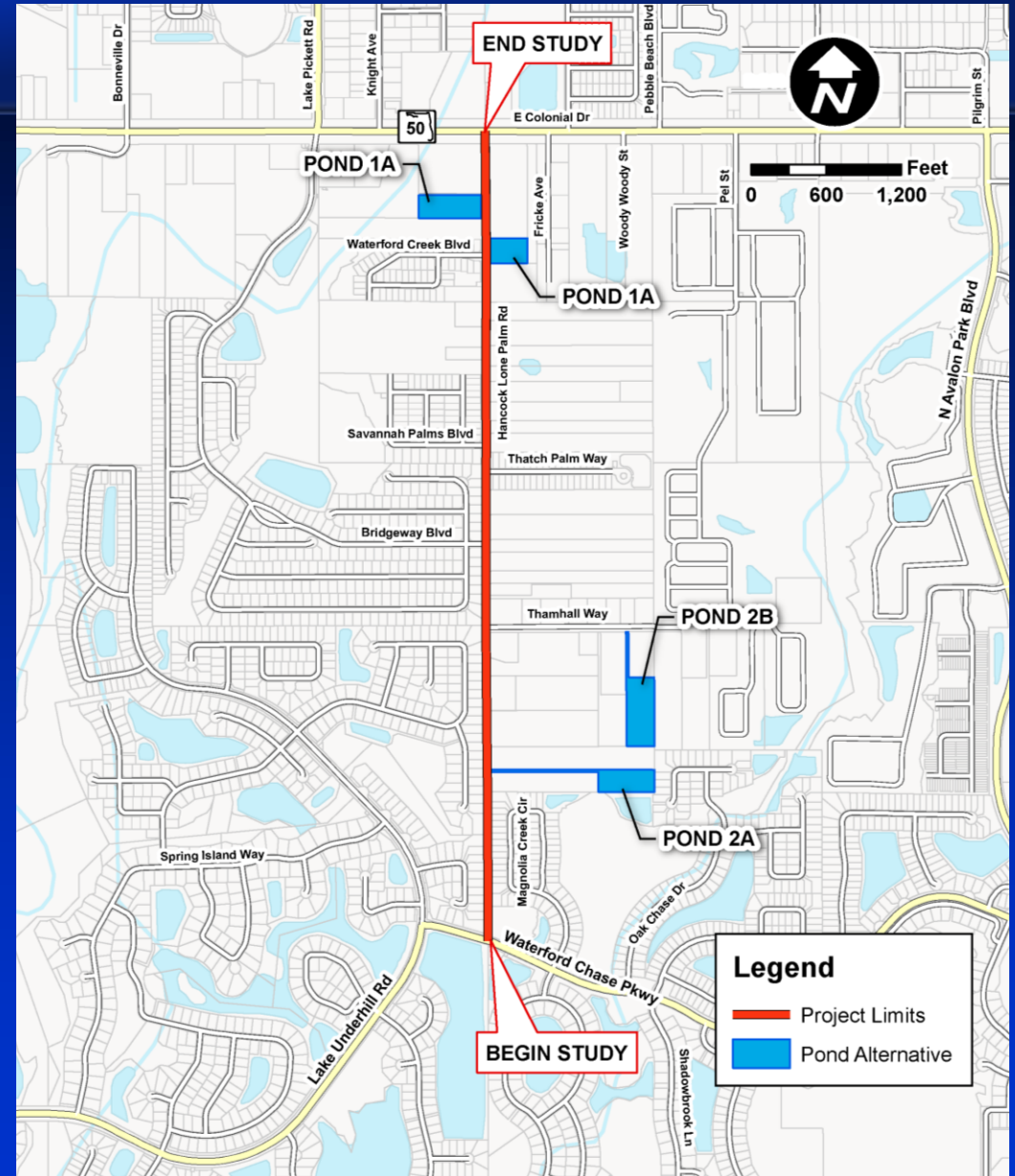




Existing Conditions

Drainage

- Open drainage swale with no existing stormwater management systems
- Stormwater sheet flows are collected in roadside ditches
- Three existing drainage basins flow to the Econlockhatchee River
- Located within the Econlockhatchee River drainage basin within the St. Johns River Water Management District





Existing Conditions

Environmental Assessment

- 4 wetlands and 3 other surface waters (roadside swales) within the project limits
- No protected species were observed in the study corridor; however, habitat was noted with the potential to support listed species. Listed species occurrence will be further evaluated during the design phase.
 - Everglade snail kite, eastern black rail, wood stork, eastern indigo snake, Florida scrub jay, Audubon's crested caracara, Florida burrowing owl, Southeastern American kestrel, sandhill crane, Florida pine snake, federally protected and state protected plant species.
 - Gopher tortoise survey will be conducted prior to the construction phase
- 8 potential historic resources identified – none are anticipated to be listed on the Florida registry.

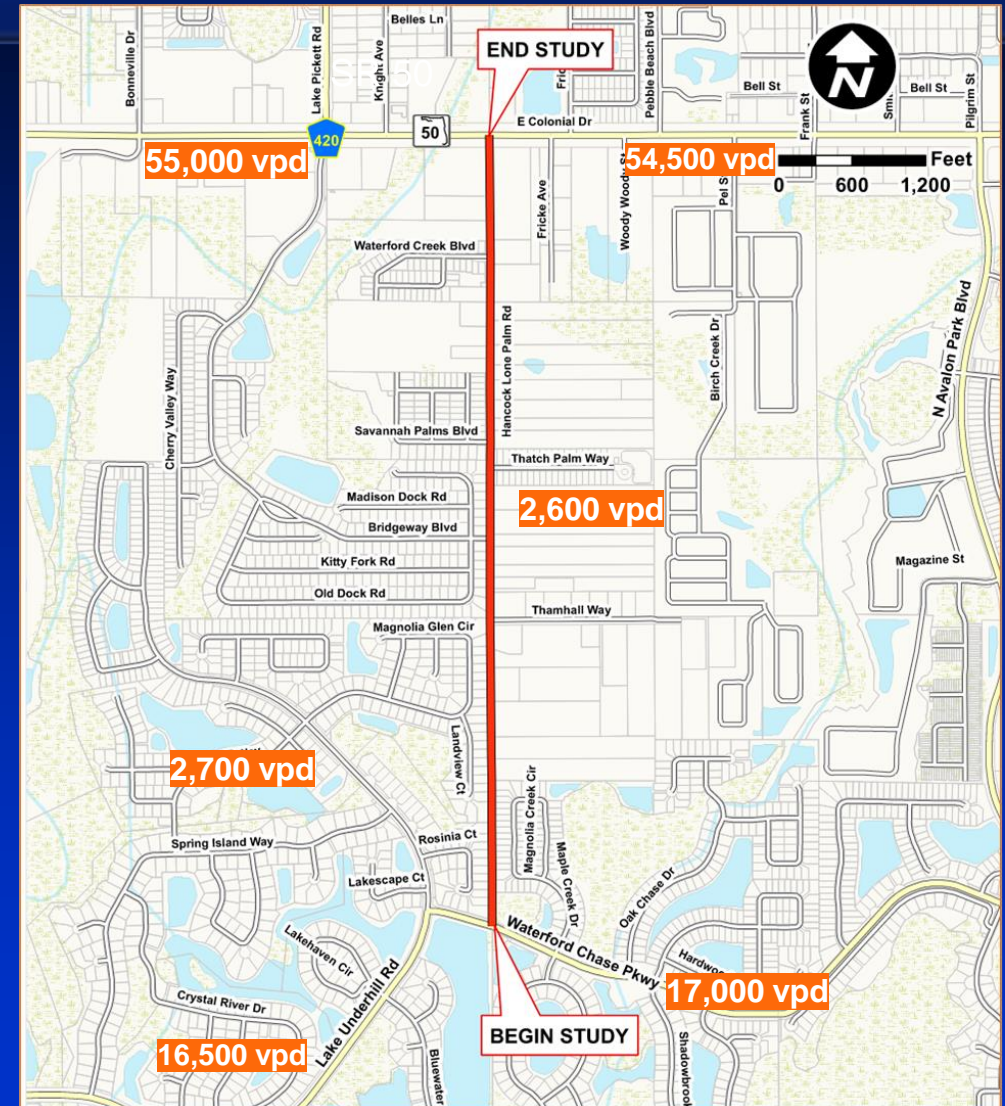




Existing Conditions

Traffic Analysis – No Build Conditions

- Existing Year Average Annual Daily Traffic (AADT) Volume: 2,600 AADT
- Opening Year (2029) AADT: 4,400 AADT
- Existing Level of Service (LOS) = LOS C
- Bicyclists/Pedestrians
 - No continuous bike lanes or sidewalks

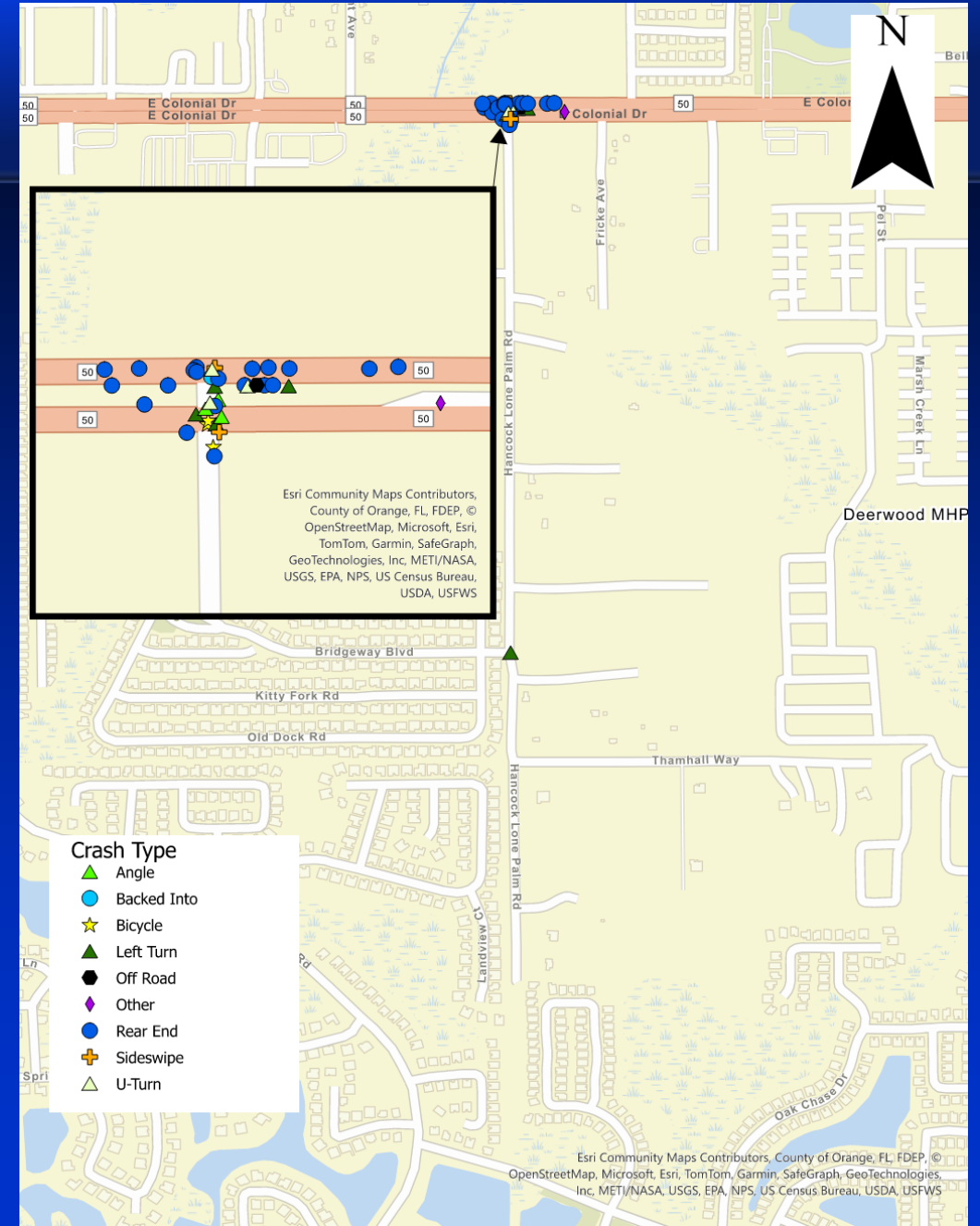




Existing Conditions

Safety and Crash History

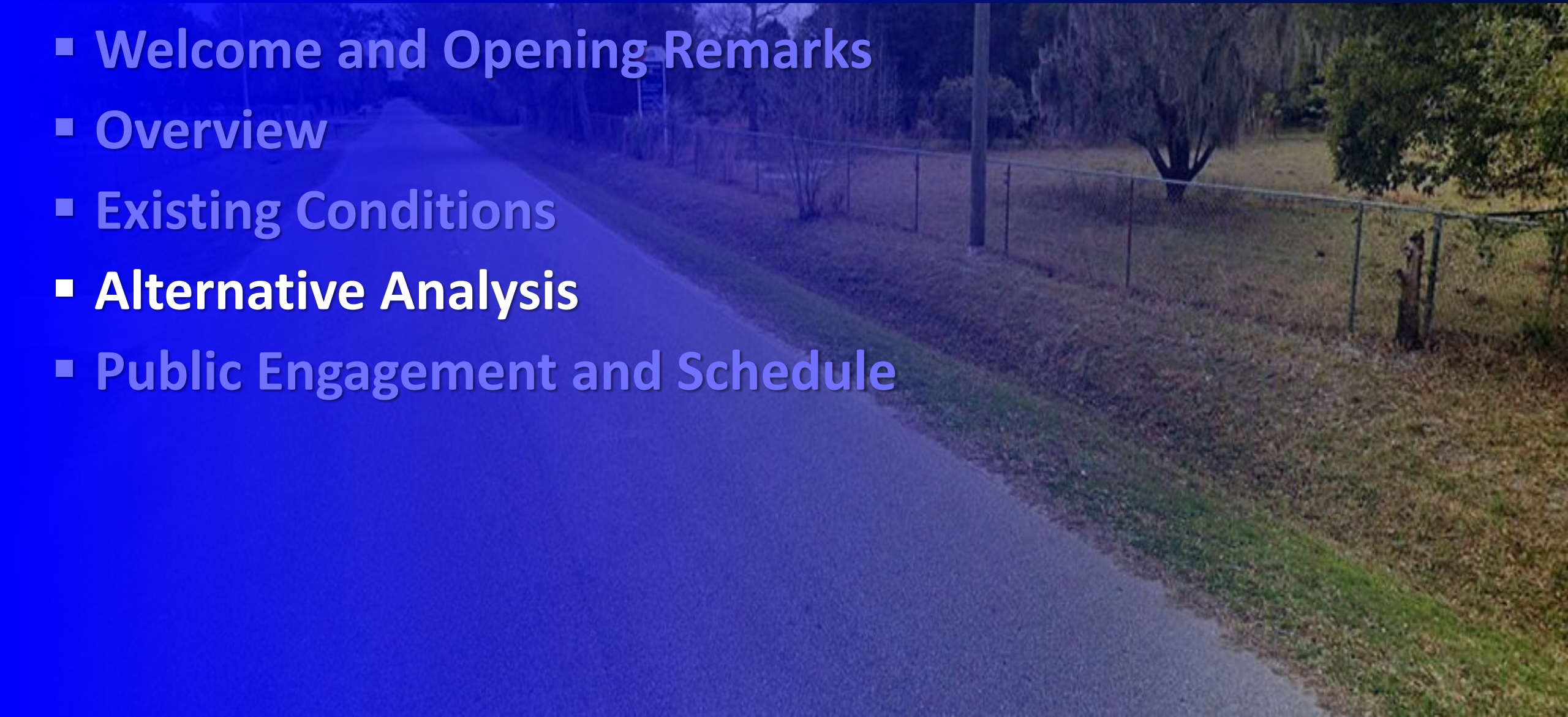
- Five Year Crash History (2019-2023)
- 39 total crashes
 - 38 crashes at SR 50 intersection
 - 1 crash at Bridgeway Boulevard intersection
 - 0 fatal crashes
 - 15 injury crashes
 - 24 property damage only crashes
 - 3 bicycle crashes
- Crash types
 - Rear end (52.6%)
 - Left turn (10.5%)





Presentation Outline

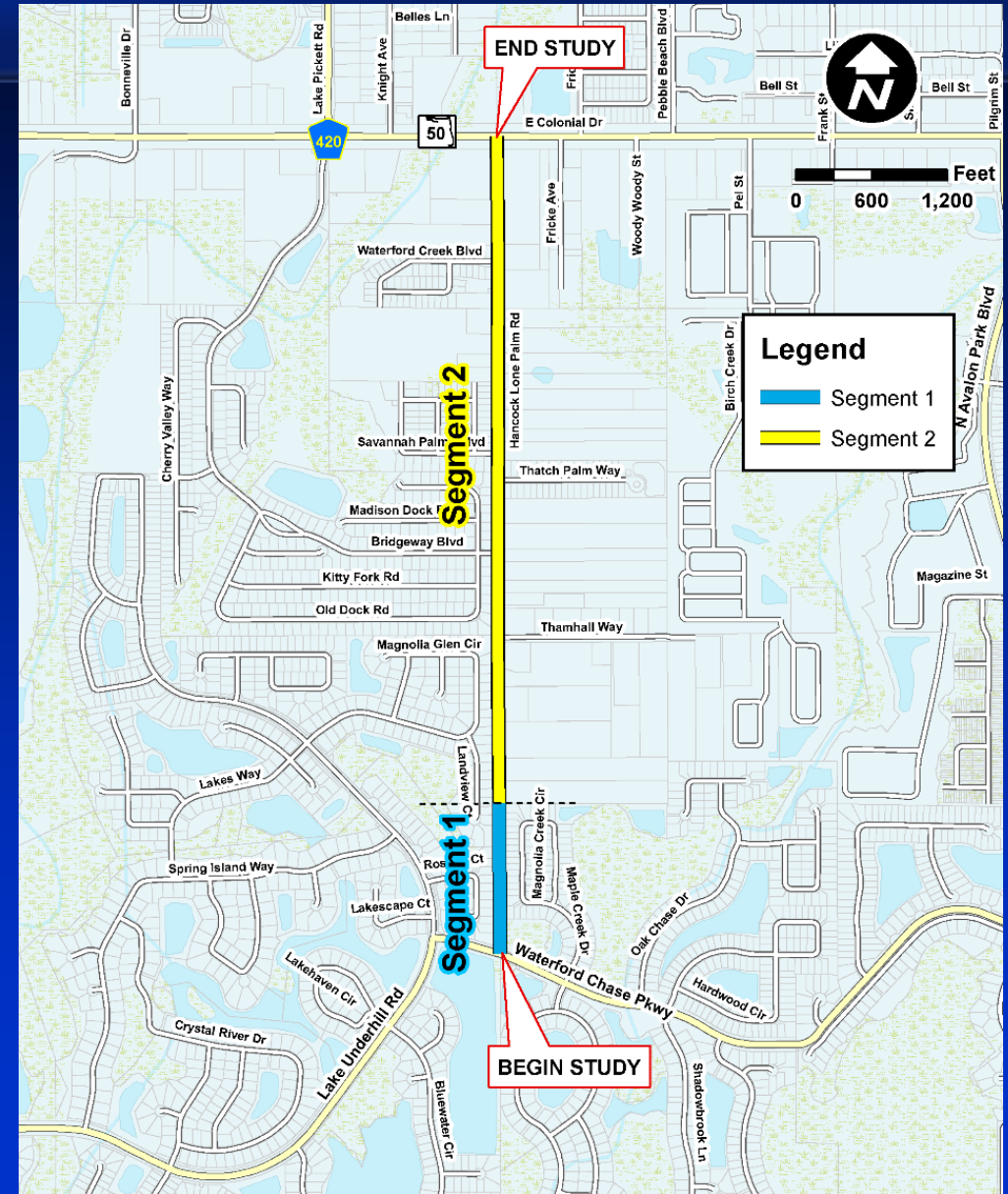
- Welcome and Opening Remarks
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- Existing Conditions
- **Alternative Analysis**
- Public Engagement and Schedule





Alternative Analysis

- The project is divided into two evaluation segments:
 - Segment 1 – Un-opened right-of-way from Waterford Chase Parkway to Hancock Lone Palm Road
 - No Build – Keep Natural Vegetation
 - Alternatives 1A, 1B, and 1C – New road extension
 - Alternative 1D – Shared use path only
 - Segment 2 – Existing Hancock Lone Palm Road (from dead end to E Colonial Drive)
 - Alternative 2A
 - Alternative 2B
 - Alternative 2C

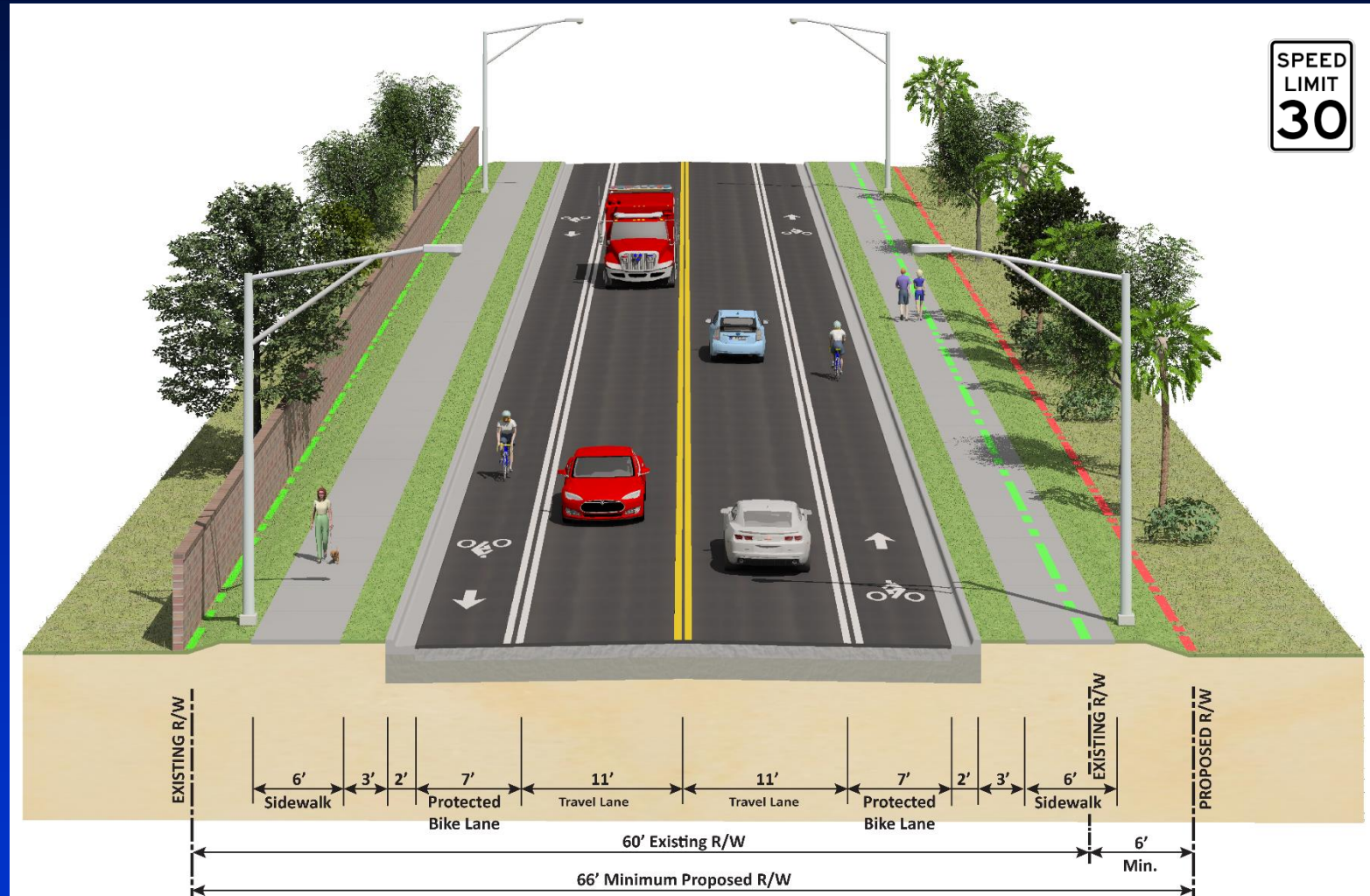




Alternative Analysis

Alternative 2A:

- Two 11-foot travel lanes
- 7-foot buffered bike lanes
- 6-foot sidewalks
- 66-foot total right of way (RW) width
 - 6-feet of additional RW required plus additional RW for turn lanes





Alternative Analysis

Segment 2 – Proposed Alternative 2A Alignment:

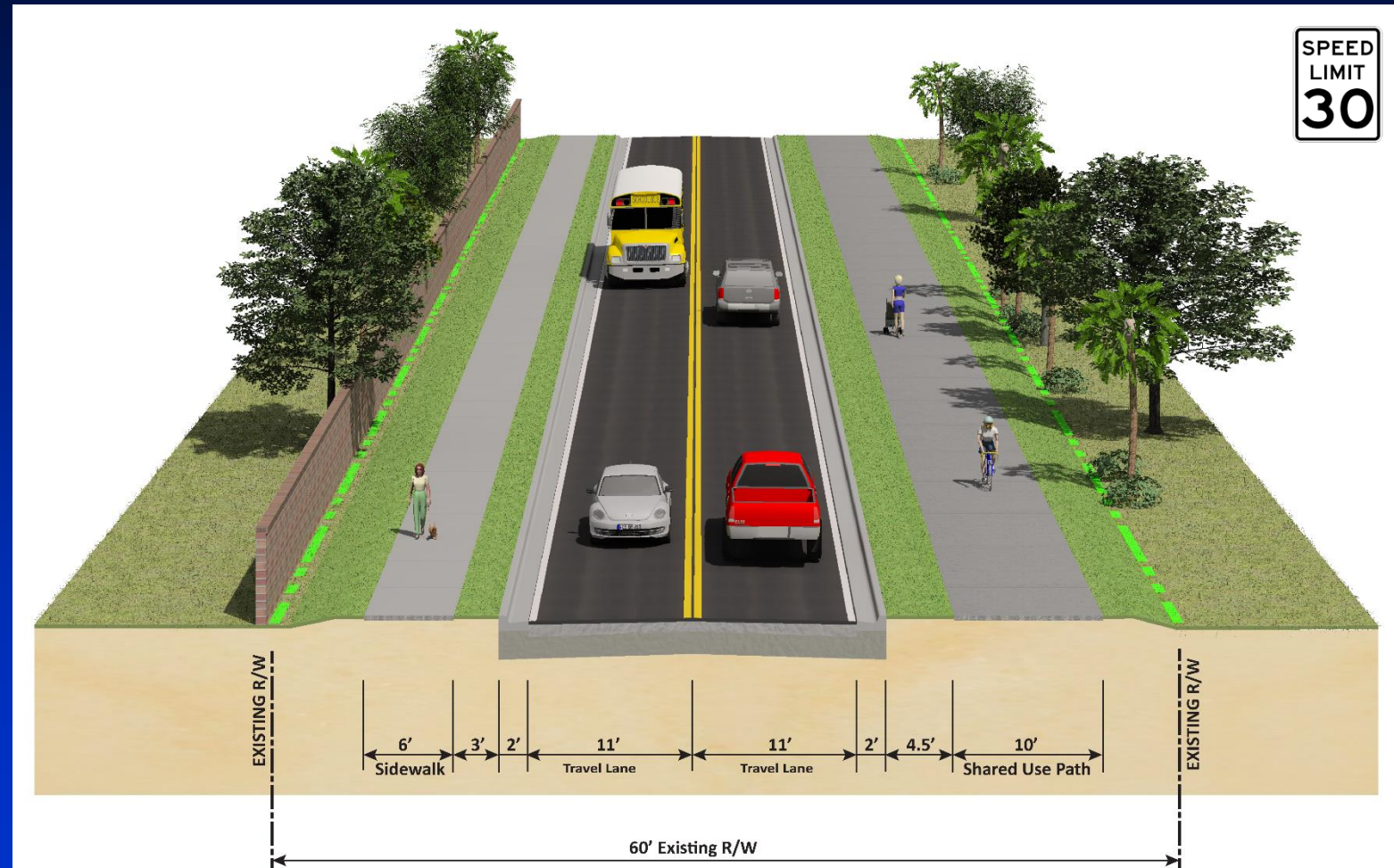




Alternative Analysis

Alternative 2B:

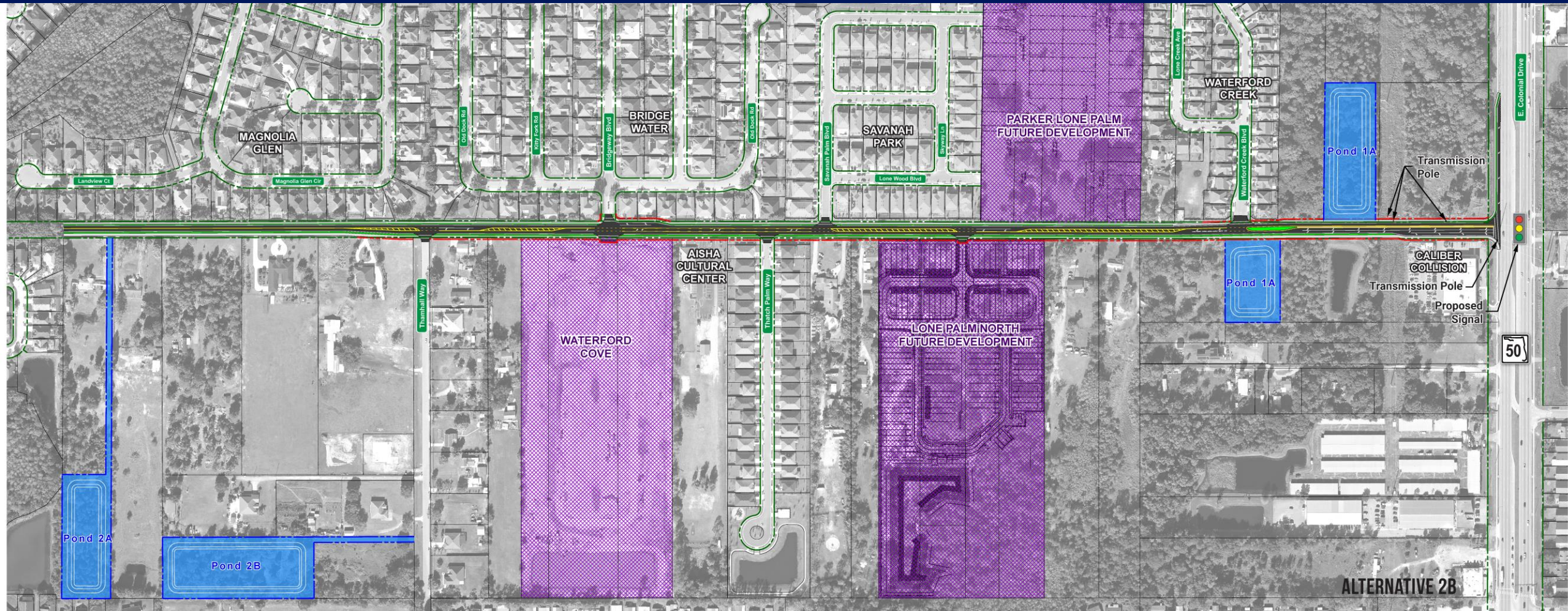
- Two 11-foot travel lanes
- 6-foot sidewalk on one side of the roadway
- 10-foot shared-use path on the opposite side from the sidewalk
- 60 feet total RW width
 - Limited additional RW may be required based on alignment and turn lanes





Alternative Analysis

Segment 2 – Proposed Alternative 2B Alignment:

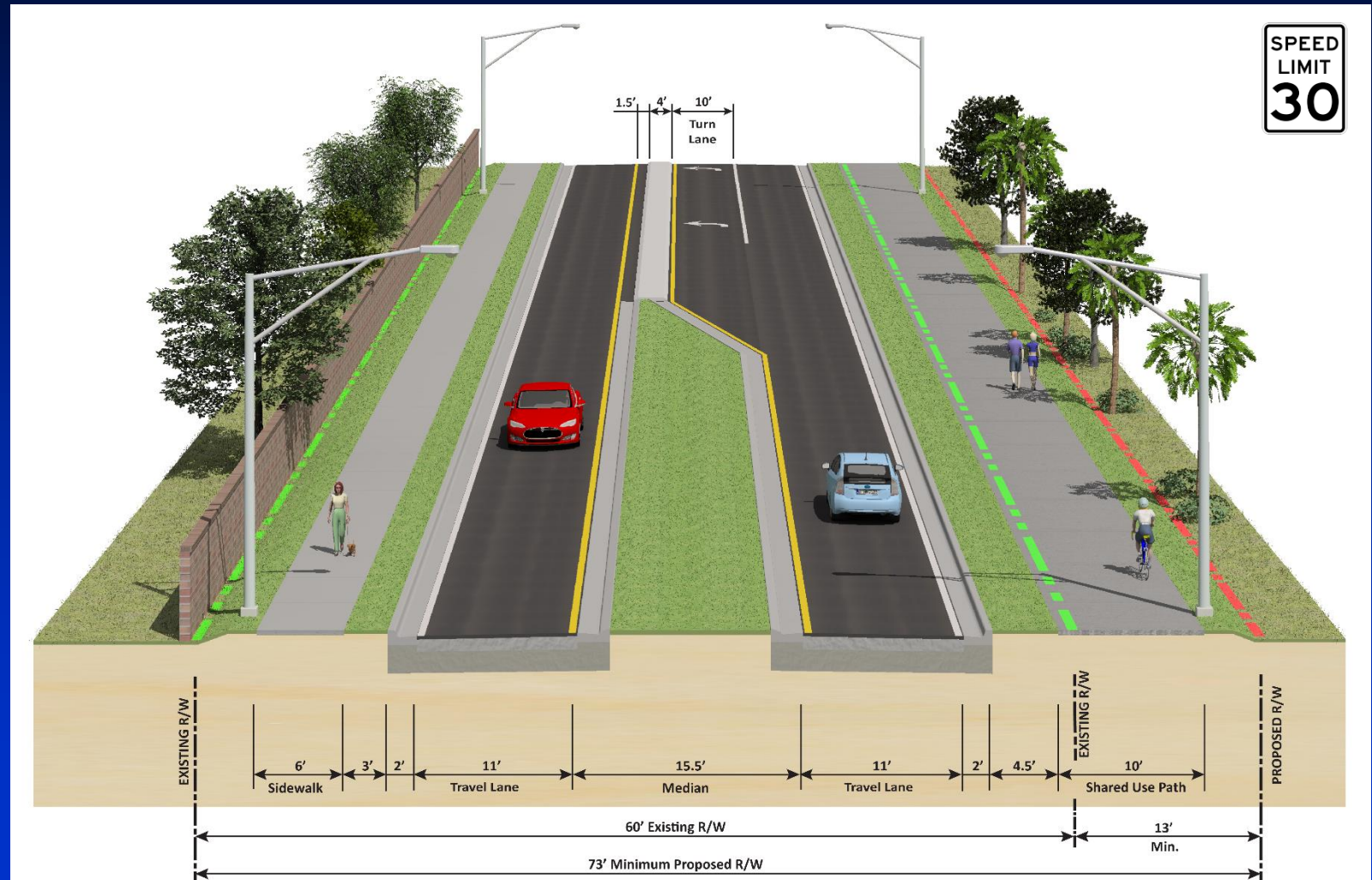




Alternative Analysis

Alternative 2C:

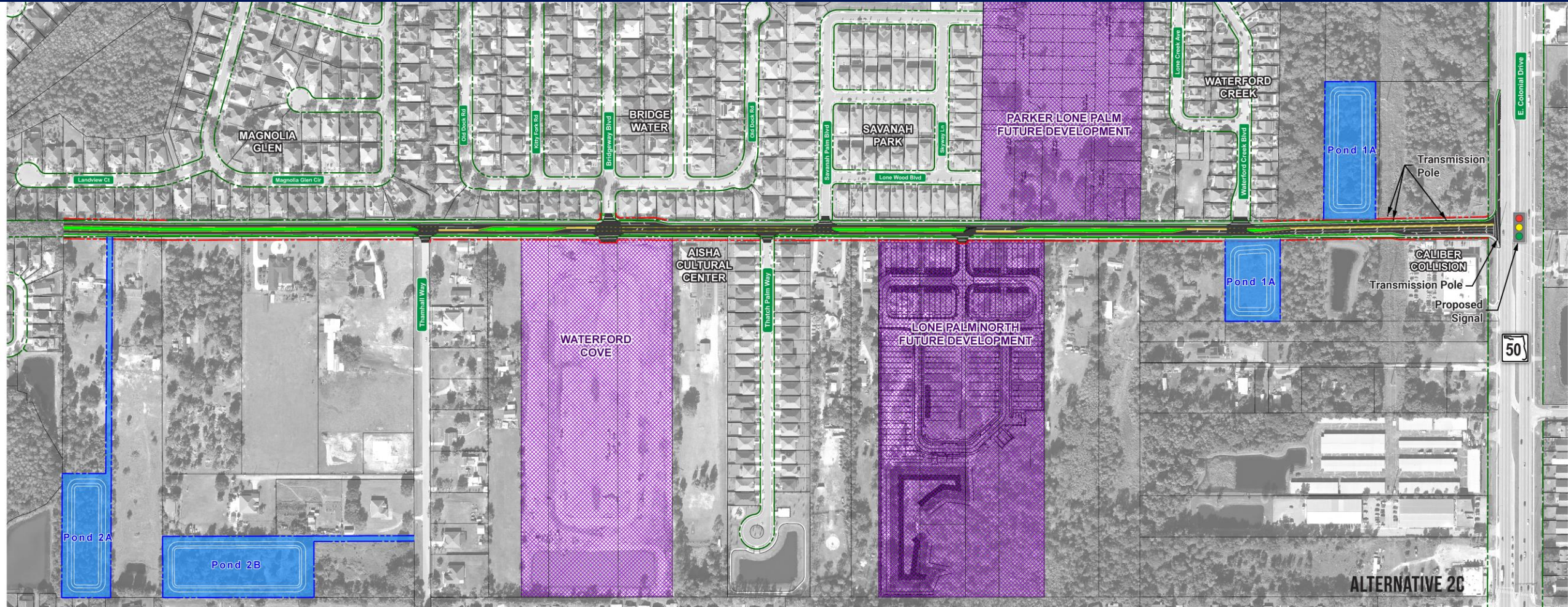
- Two 11-foot travel lanes
- 15.5-foot raised median
- 6-foot sidewalk on one side of the roadway
- 10-foot shared-use path opposite of the sidewalk
- 73-foot total RW width
 - 13-feet of additional RW needed





Alternative Analysis

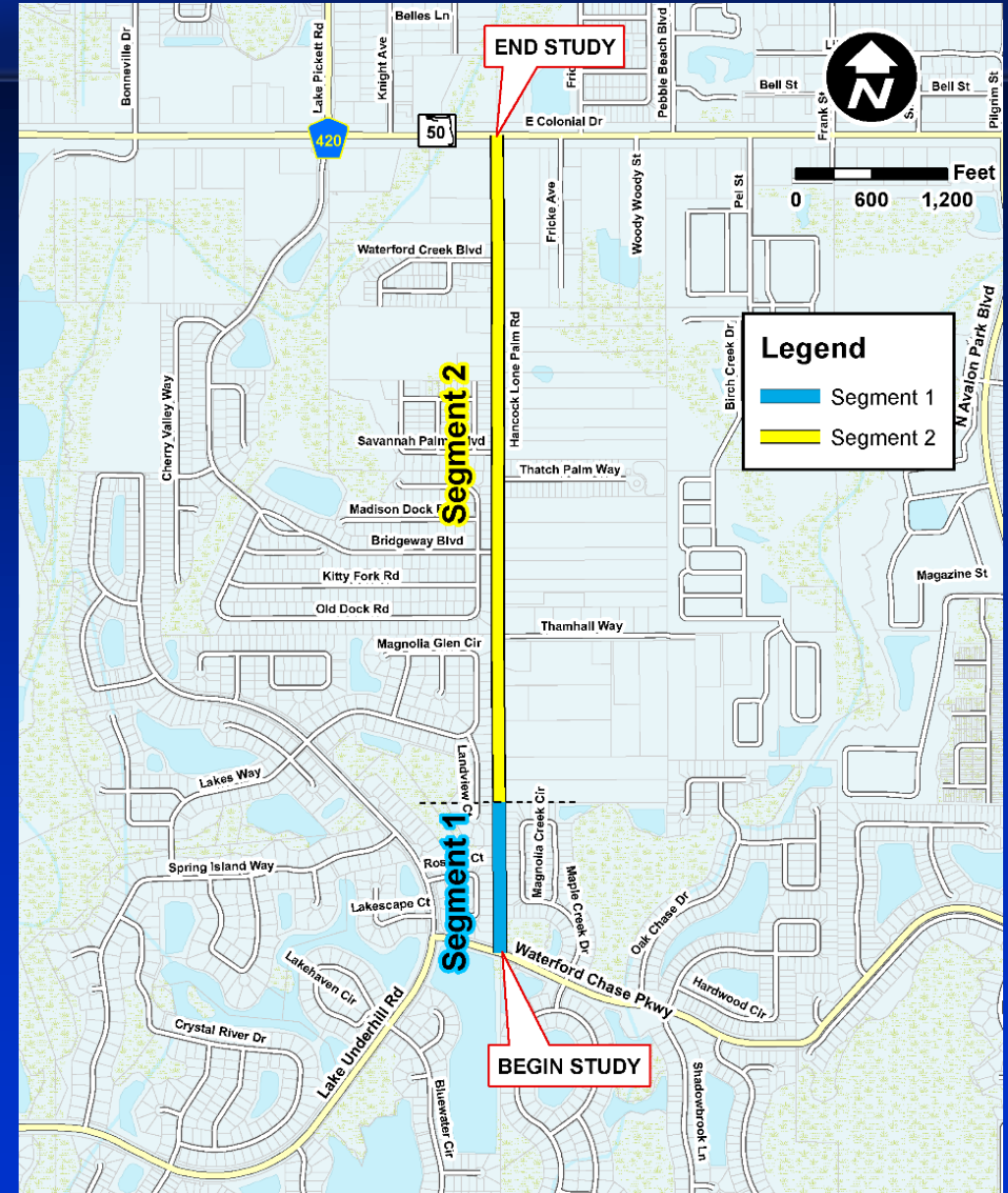
Segment 2 - Alternative 2C Alignment:





Alternative Analysis

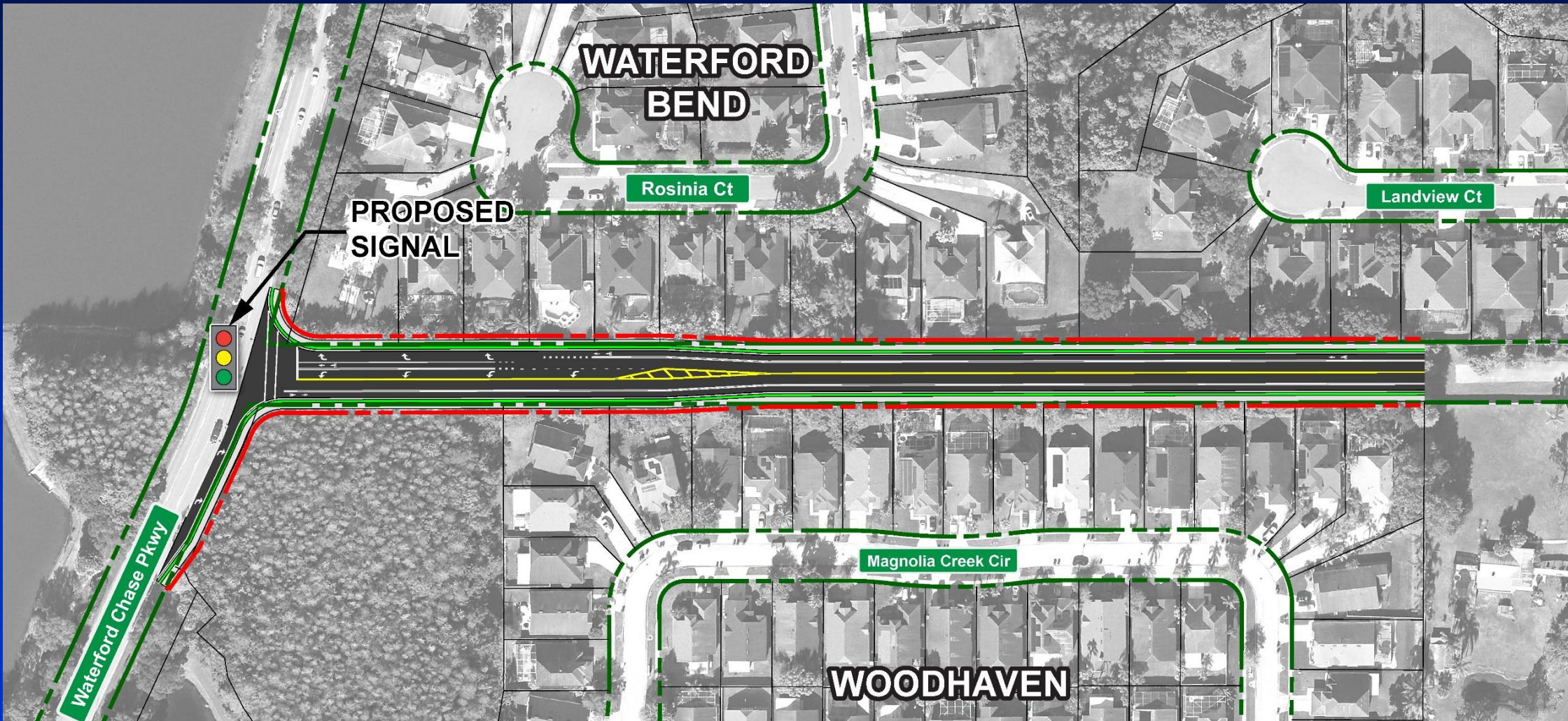
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 - Alternatives 1A, 1B, and 1C – New road extension
 - Alternative 1D – Shared use path only
 - **Segment 2 – Existing Hancock Lone Palm Road (from dead end to E Colonial Drive)**
 - Alternative 2A
 - Alternative 2B
 - Alternative 2C





Alternative Analysis

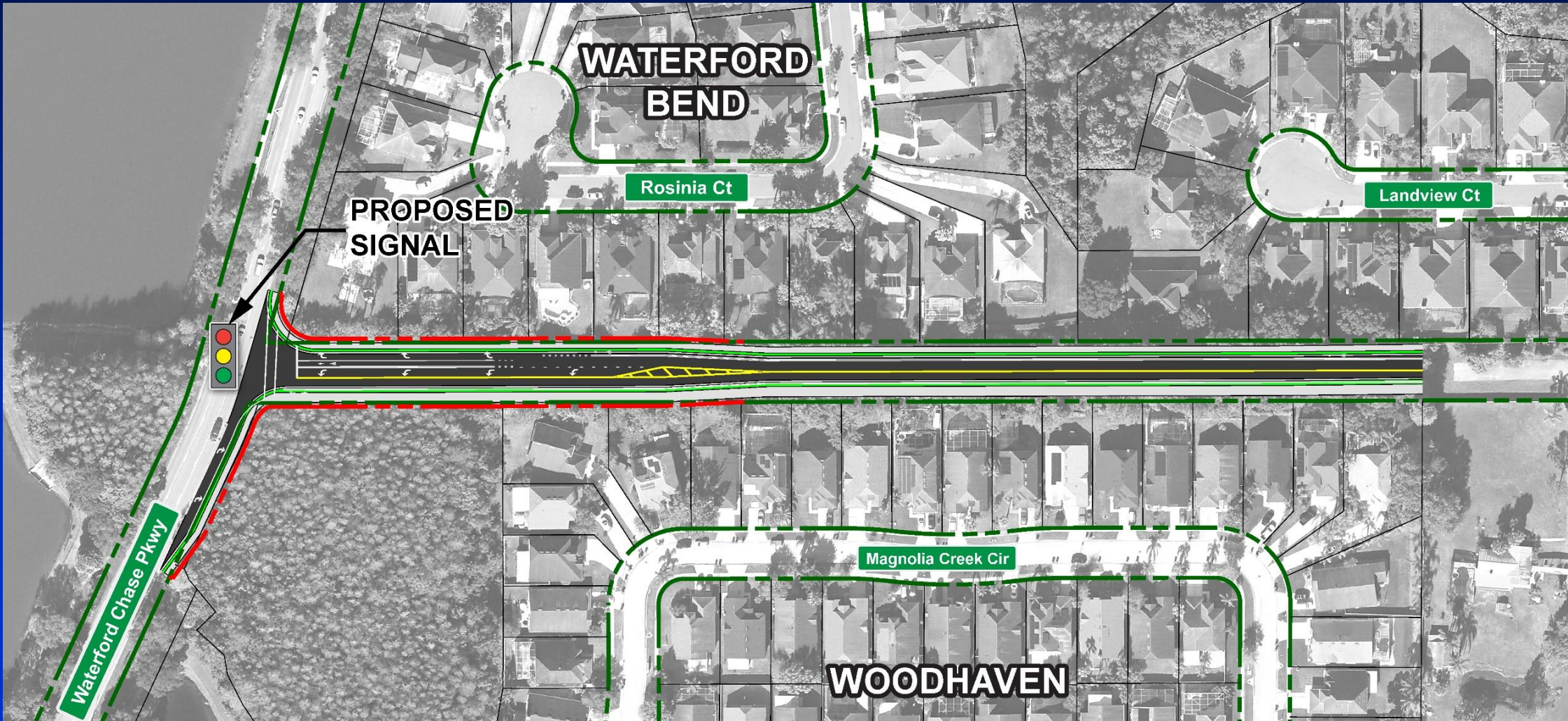
Segment 1 – Proposed Alternative 1A Alignment:





Alternative Analysis

Segment 1 – Proposed Alternative 1B Alignment:





Alternative Analysis

Segment 1 – Proposed Alternative 1C Alignment:

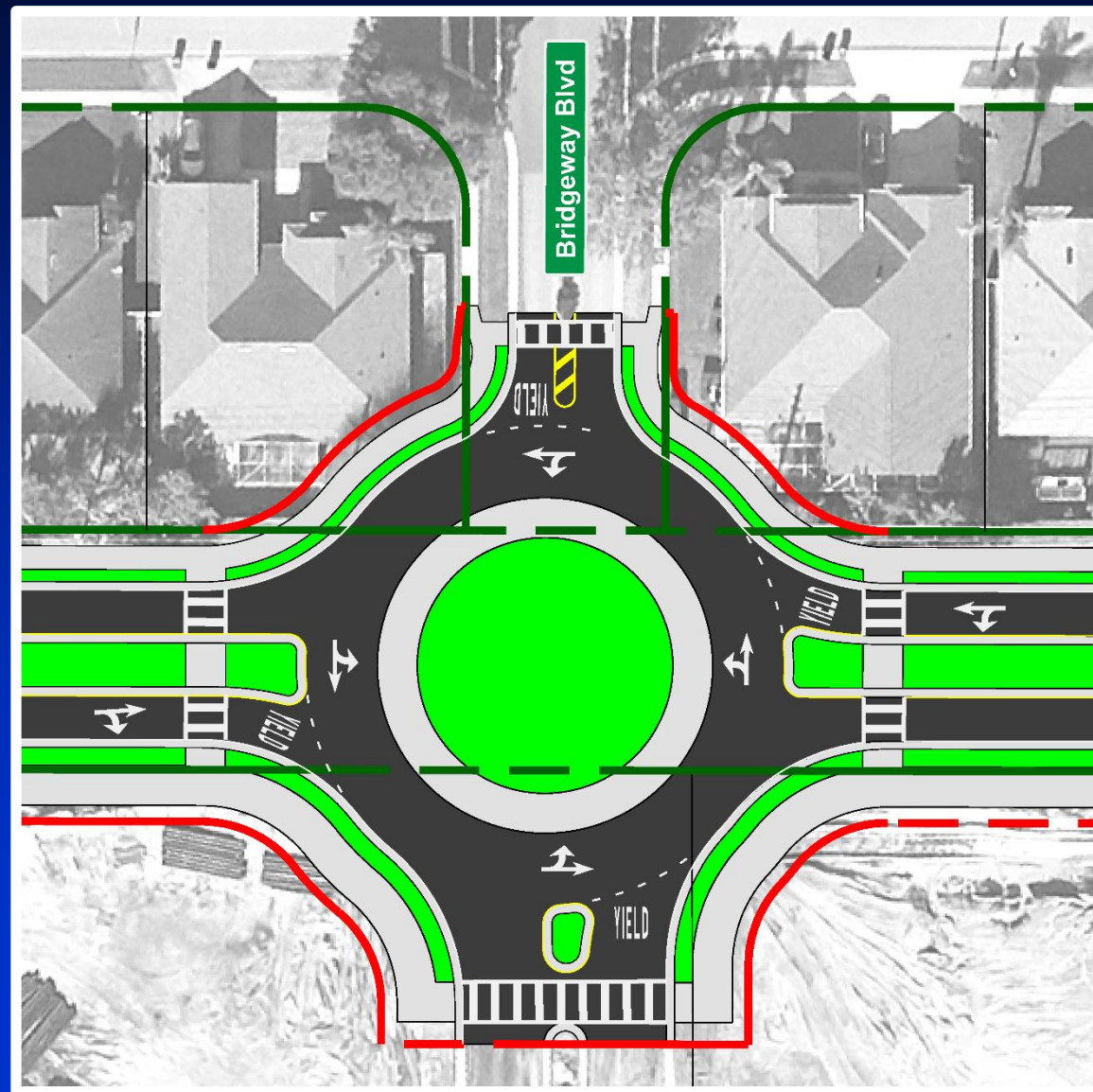




Alternative Analysis

Traffic Calming on Segment 2

- Mini Roundabout at Bridgeway Boulevard
 - Alternatives 1A, 1B, and 1C – New road extension, includes traffic calming in Segment 2

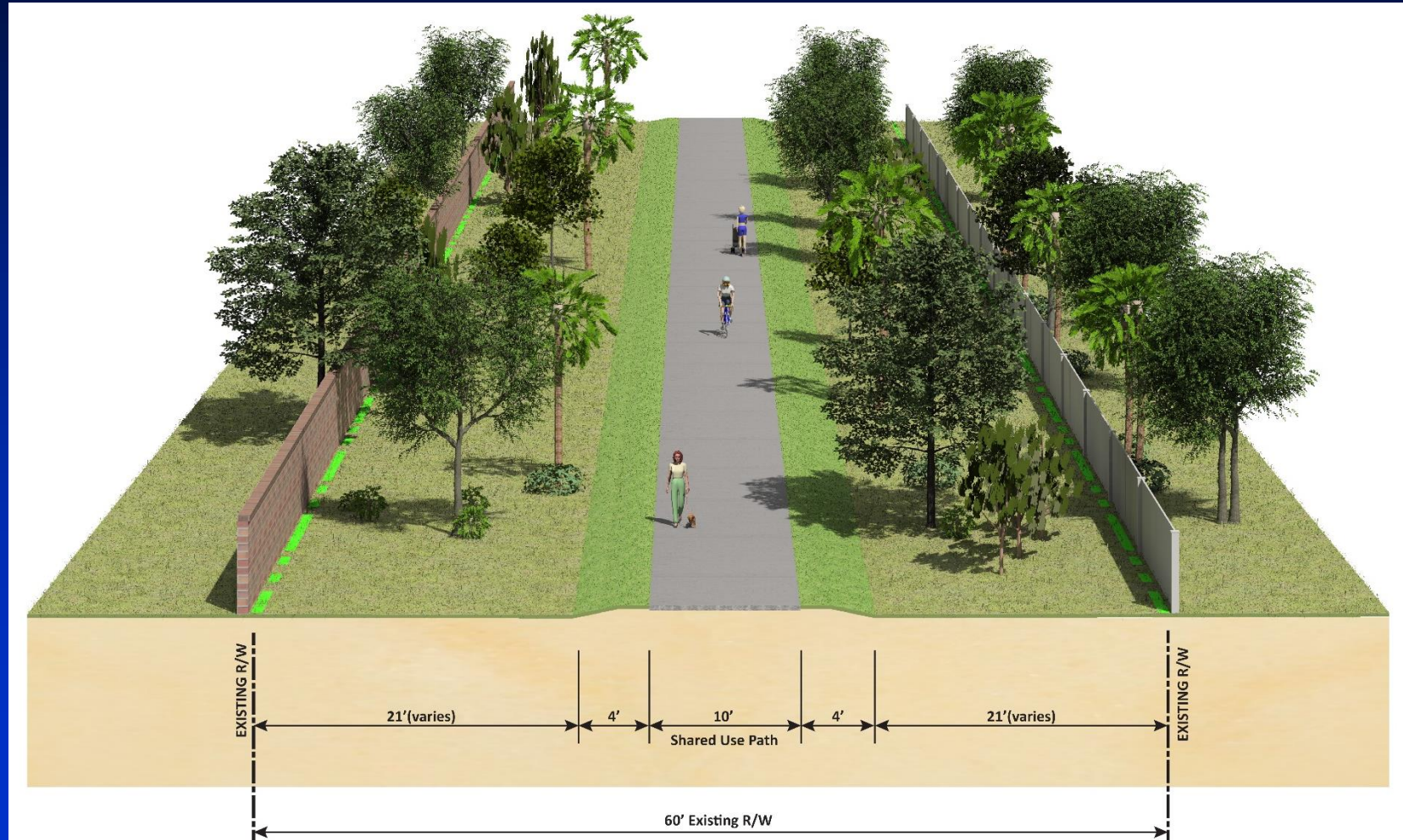




Alternative Analysis

Typical Section D:

- Only in Segment 1
- 10-foot pedestrian/bicyclist shared use path





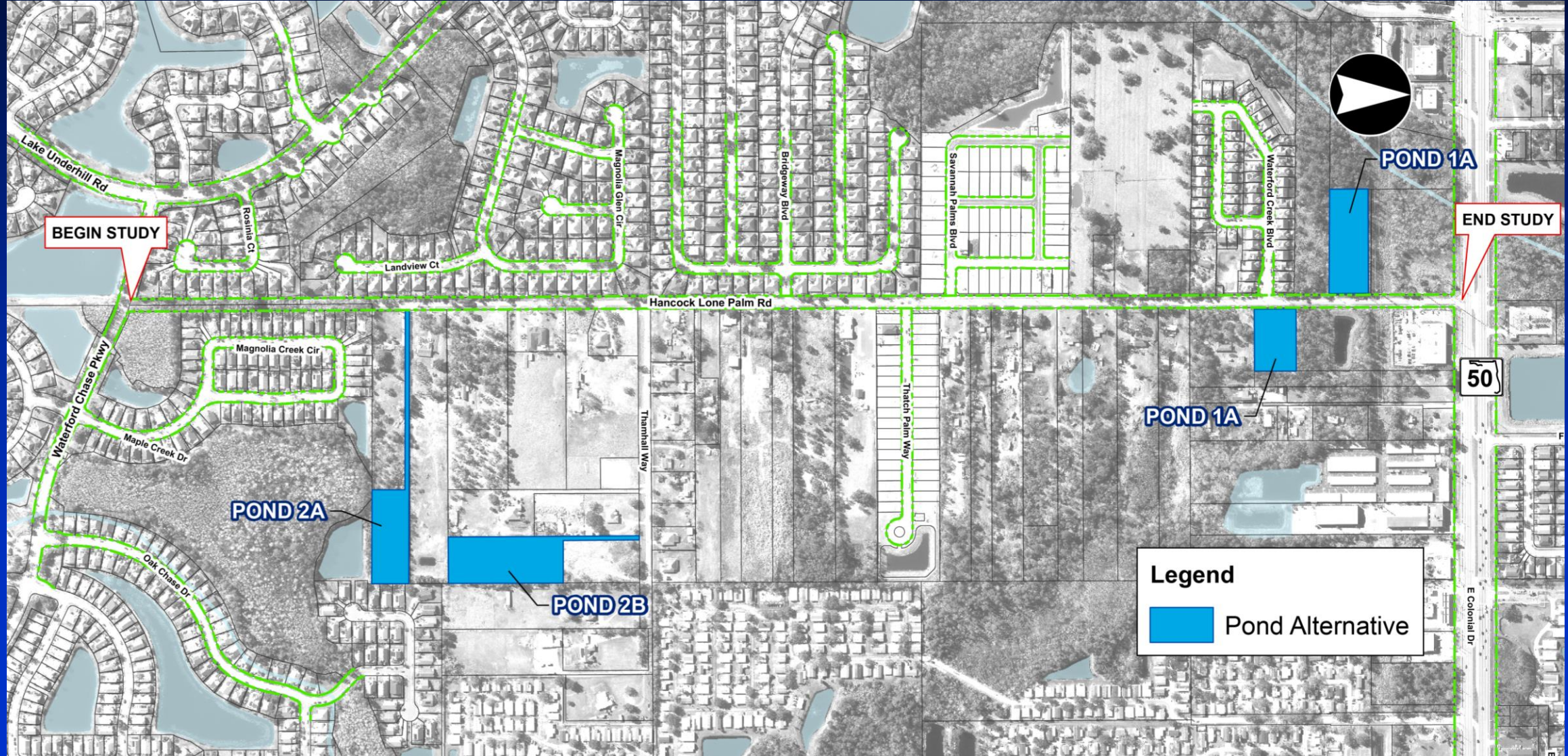
Alternative Analysis

Segment 1 – Proposed Alternative 1D Alignment:





Alternative Pond Sites





Evaluation Matrix

| Evaluation Criteria | No-Build Alternative | Segment 1 (New Roadway Segment) From Waterford Chase Parkway to the Beginning of Existing Hancock Lone Palm Road | | | | Segment 2 (Existing Roadway Segment) From Beginning of Existing Hancock Lone Palm Road to SR 50 | | |
|---|----------------------|---|---|--|--|--|---|--|
| | | Alternative 1A Minimum RW = 66 ft. | Alternative 1B Minimum RW = 60 ft. | Alternative 1C Minimum RW = 73 ft. | Alternative 1D Pedestrian Path Only | Alternative 2A Minimum RW = 66 ft. | Alternative 2B Minimum RW = 60 ft. | Alternative 2C Minimum RW = 73 ft. |
| | Existing 2-Lane Road | 2-Lane Undivided Urban with 6 ft Sidewalks and 7 ft. On-Road Bicycle Lanes | 2-Lane Undivided Urban with 6 ft. Sidewalk and 10 ft. Shared Use Path | 2-Lane Divided Urban with 15.5 ft. median, 6 ft. Sidewalk and 10 ft. Shared Use Path | 10 ft. Pedestrian Path Only | 2-Lane Undivided Urban with 6 ft Sidewalks and 7 ft. On-Road Bicycle Lanes | 2-Lane Undivided Urban with 6 ft. Sidewalk and 10 ft. Shared Use Path | 2-Lane Divided Urban with 15.5 ft. median, 6 ft. Sidewalk and 10 ft. Shared Use Path |
| Relocations | | | | | | | | |
| Number of Residential Acquisitions | None | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number of Business Acquisitions | None | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Number of Parcels Impacted | None | 34 | 15 | 34 | 0 | 37 | 29 | 37 |
| Social, Natural, & Physical Impacts | | | | | | | | |
| Social & Neighborhood | None | Low | Low | Low | Low | Low | Low | Low |
| Improved Safety | None | Medium | Medium | High | Low | Medium | Medium | High |
| Archaeological/Historical Sites | None | 0/0 | 0/0 | 0/0 | 0/0 | 0/3 | 0/3 | 0/3 |
| Threatened and Endangered Species | None | Medium - tricolored bat | Medium - tricolored bat | Medium - tricolored bat | Medium - tricolored bat | Medium - tricolored bat | Medium - tricolored bat | Medium - tricolored bat |
| Wetlands (acres) | None | 3.0 | 2.9 | 2.9 | 0.3 | 1.4 | 1.3 | 1.3 |
| Floodplains (acres) | None | 0.26 | 0.23 | 0.25 | 0.03 | 0 | 0 | 0 |
| Potential High or Medium Ranked Contamination Sites | None | 0 | 0 | 0 | 0 | 7 | 7 | 7 |
| Estimated Costs (Present Day Costs) | | | | | | | | |
| Design (15% of Construction) | No cost | \$278,000 | \$256,000 | \$320,000 | \$47,000 | \$1,649,000 | \$1,597,000 | \$1,834,000 |
| Right-of-Way | No cost | \$131,200 | \$59,100 | \$164,800 | \$0 | \$1,776,100 | \$1,393,700 | \$1,923,898 |
| Wetland Mitigation | No cost | \$301,000 | \$290,000 | \$296,000 | \$25,000 | \$140,000 | \$132,000 | \$136,000 |
| Upland RHPZ Mitigation | No cost | \$0 | \$0 | \$0 | \$0 | \$0 | \$10,000 | \$11,000 |
| Roadway Construction | No cost | \$1,850,700 | \$1,707,000 | \$2,131,900 | \$316,000 | \$10,994,000 | \$10,643,700 | \$12,225,000 |
| Reimbursable Utility Relocation | No cost | \$0 | \$0 | \$0 | \$0 | \$1,200,000 | \$900,000 | \$1,200,000 |
| CEI (15% of Construction) | No cost | \$278,000 | \$256,000 | \$320,000 | \$47,000 | \$1,649,000 | \$1,597,000 | \$1,834,000 |
| Total Cost | No cost | \$2,839,000 | \$2,568,000 | \$3,233,000 | \$435,000 | \$17,408,000 | \$16,273,000 | \$19,164,000 |



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Public Engagement

- Ask questions and speak with project team members at the community meeting
- Submit a written comment form or fill out a speaker card
- Complete the study survey
 - Visit the project website by scanning the QR code



- Link to survey also available on study website:
<https://hancocklonepalmroadrcastudy.com>
- The survey will be available from February 20 through March 5

 **Hancock Lone Palm Road
Roadway Conceptual Analysis (RCA) Study
from East Colonial Drive to Waterford Chase Parkway**

Community Meeting No. 1 – Comment Form

Name _____ Phone _____

Address _____

City _____ State _____ Zip Code _____

Check here to be added to the project mailing list.

Please use this comment form to express your opinions regarding the planned improvement of the **Hancock Lone Palm Road, RCA Study, from East Colonial Drive to Waterford Chase Parkway**. You can leave your completed form in the comment box at this meeting, with a member of the project team today or mail it, postmarked by **Wednesday, March 5, 2025**, to the address below. All comments are part of the project record and are available for viewing by the public and media.

Comments: _____

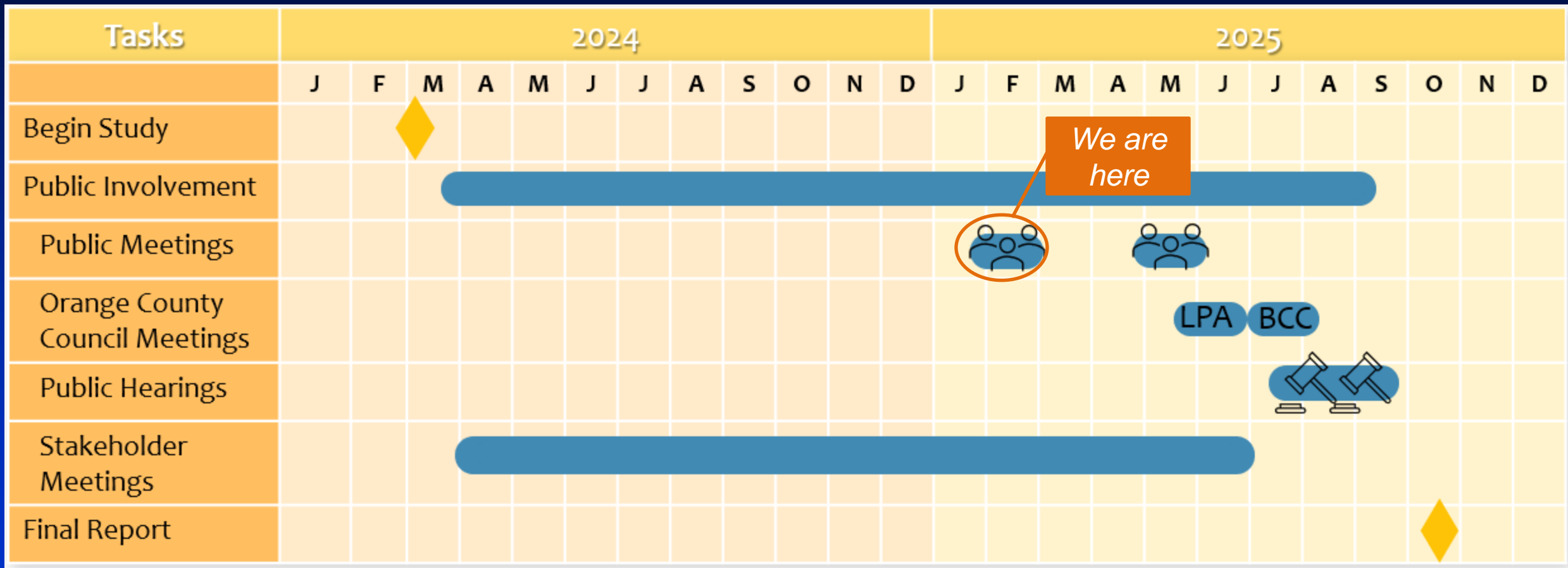
Please mail comment form to:
Krista Taraszewski, Orange County Project Manager
Transportation Planning Division
4200 South John Young Pkwy
Orlando, FL 32839
E-mail: krista.taraszewski@ocfl.net
Telephone: 407-836-8014

Community Meeting
Wednesday, February 19, 2025
6-8 p.m.
Presentation at 6:00 p.m.
Timber Springs Elementary School Cafeteria
16001 Timber Park Lane
Orlando, FL 32828

Please complete survey and submit comments by March 5, 2025



Public Engagement & Schedule



We are here



LPA

BCC





Public Engagement & Schedule

Orange County Project

Manager:

Krista Taraszewski, Project Manager

Transportation Planning Division

Orange County Public Works Department

4200 John Young Parkway

Orlando, FL 32839

Email: Krista.Taraszewski@ocfl.net

Phone: (407) 836-8014

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Call, Email, or Visit Website



<https://hancocklonepalmroadrcastudy.com/index.html>



Public Engagement & Schedule

**QUESTIONS AND
ANSWERS**