



**NORTH LAKE**  
TRAIL

## North Lake Trail Phase 3 Corridor Planning Study

Financial Project ID (FPID) No. 441626-1

Project Visioning Team (PVT) Meeting No. 2 | September 6, 2018

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

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***All inquiries will be handled according to FDOT procedure  
and in a prompt and courteous manner.***

01

Overview of Previous Efforts

02

Purpose and Need

03

Alternatives Development



01

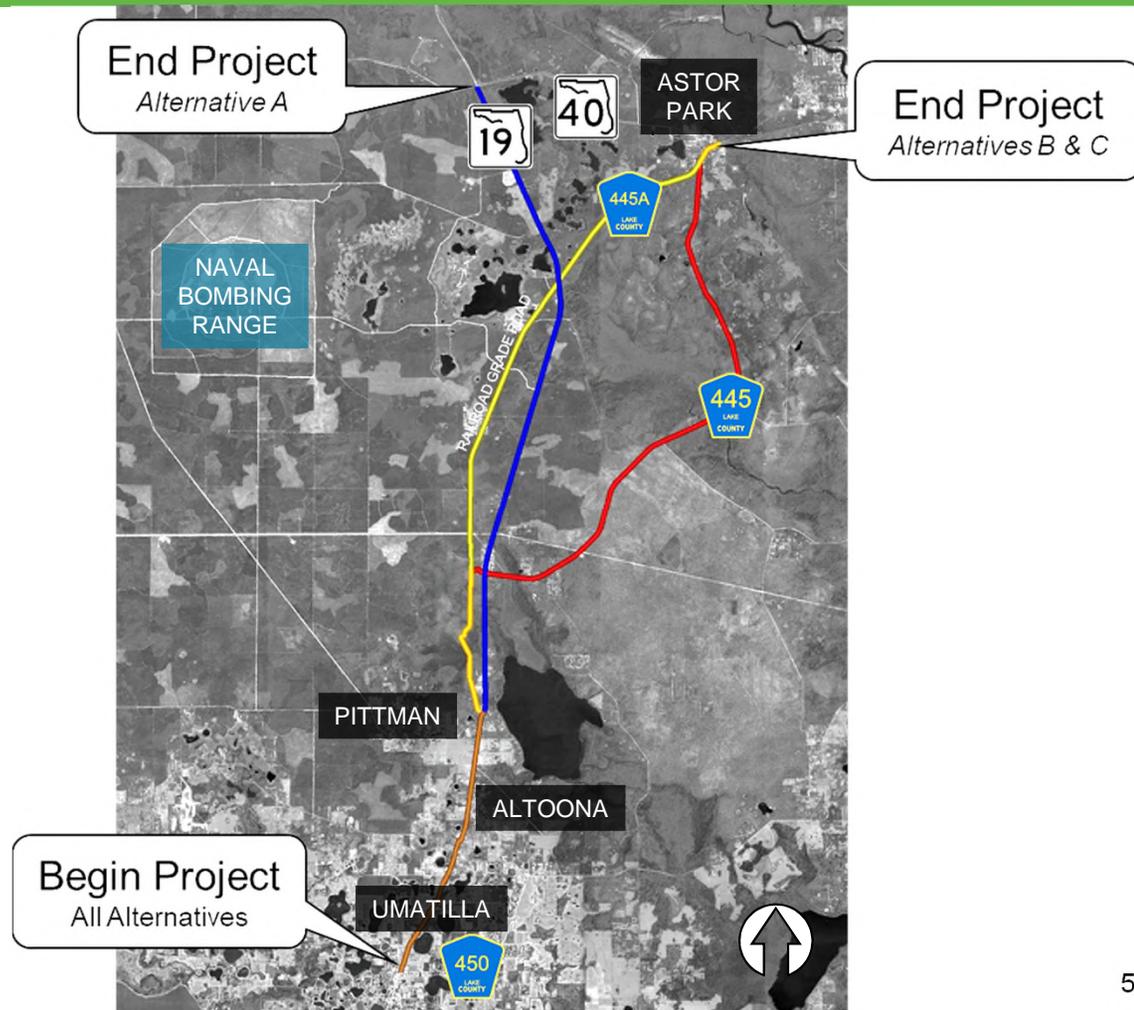


# Overview of Previous Efforts

## North Lake Trail Phase 3

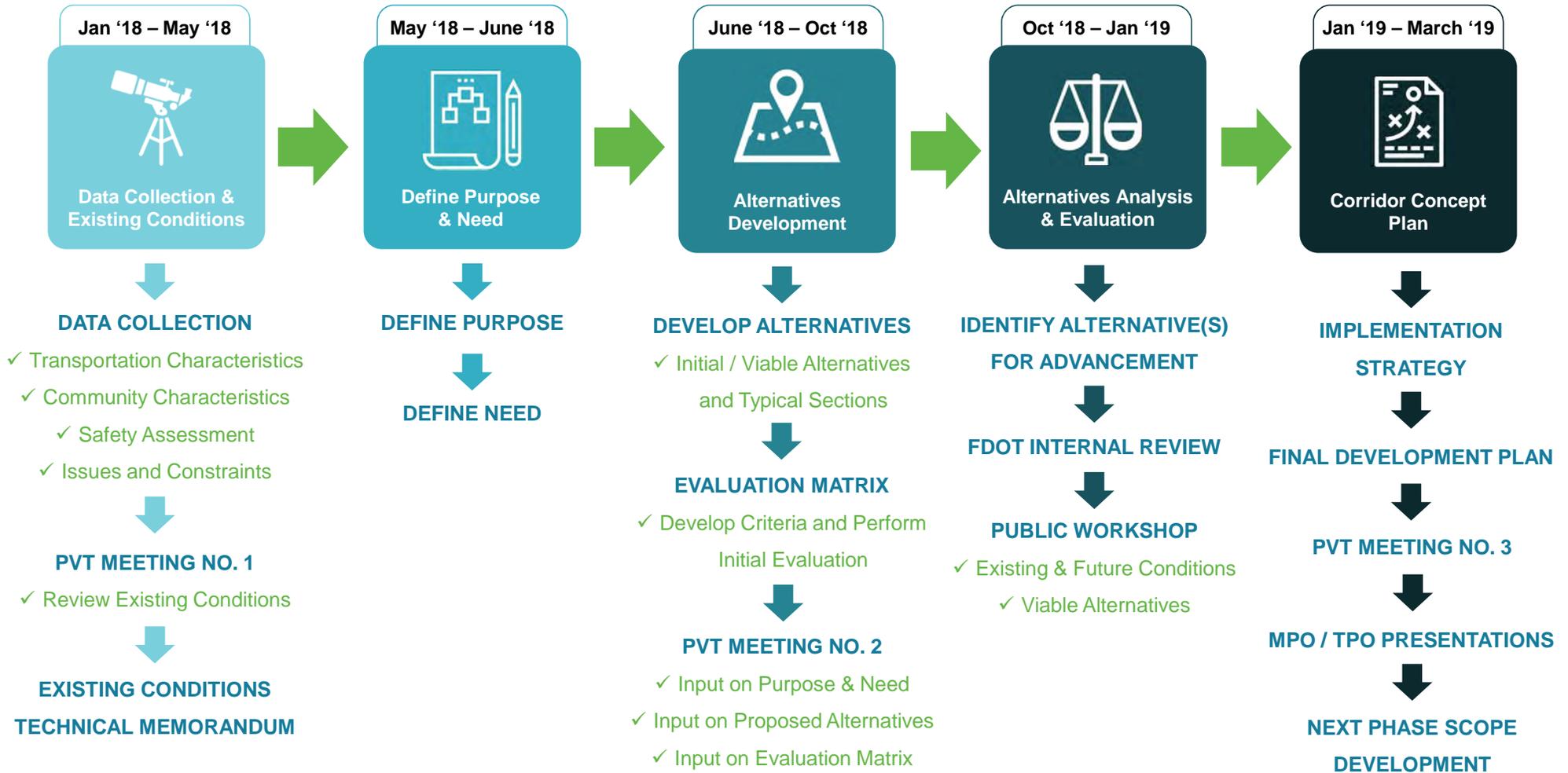
# Study Area

- County Road (C.R.) 450 to State Road (S.R.) 40
- Umatilla, Altoona, Pittman
- Rural Communities
- Ocala National Forest





# Project Approach / Schedule





02



# Purpose and Need

## North Lake Trail Phase 3

- The **purpose identifies the primary goals** of the **project** and guides the range of alternatives that will be developed and considered in response to the established need.



# Project Purpose

- Provide a **safe, comfortable**, and **accessible** paved facility for bicyclists, pedestrians, and other non-motorized users of **all ages and abilities** between C.R. 450 and S.R. 40.



- The **need** for the project **arises from deficiencies, issues, and/or concerns** that currently exist or are expected to occur within the project area.



- **Gap in regional trail network**
  - Between North Lake Trail Phase 2 (Umatilla) and the S.R. 40 Black Bear Trail / Heart of Florida Loop Trail network
- **Lack of safe, comfortable, and accessible pedestrian and bicycle facilities**
  - Approximately 14% of study area households do not have a vehicle
  - Limited Americans with Disabilities Act (ADA) compliant connectivity between residents, community features, and conservation areas
  - Predominantly 55 MPH roadways
  - 10-21% truck traffic on roads





03

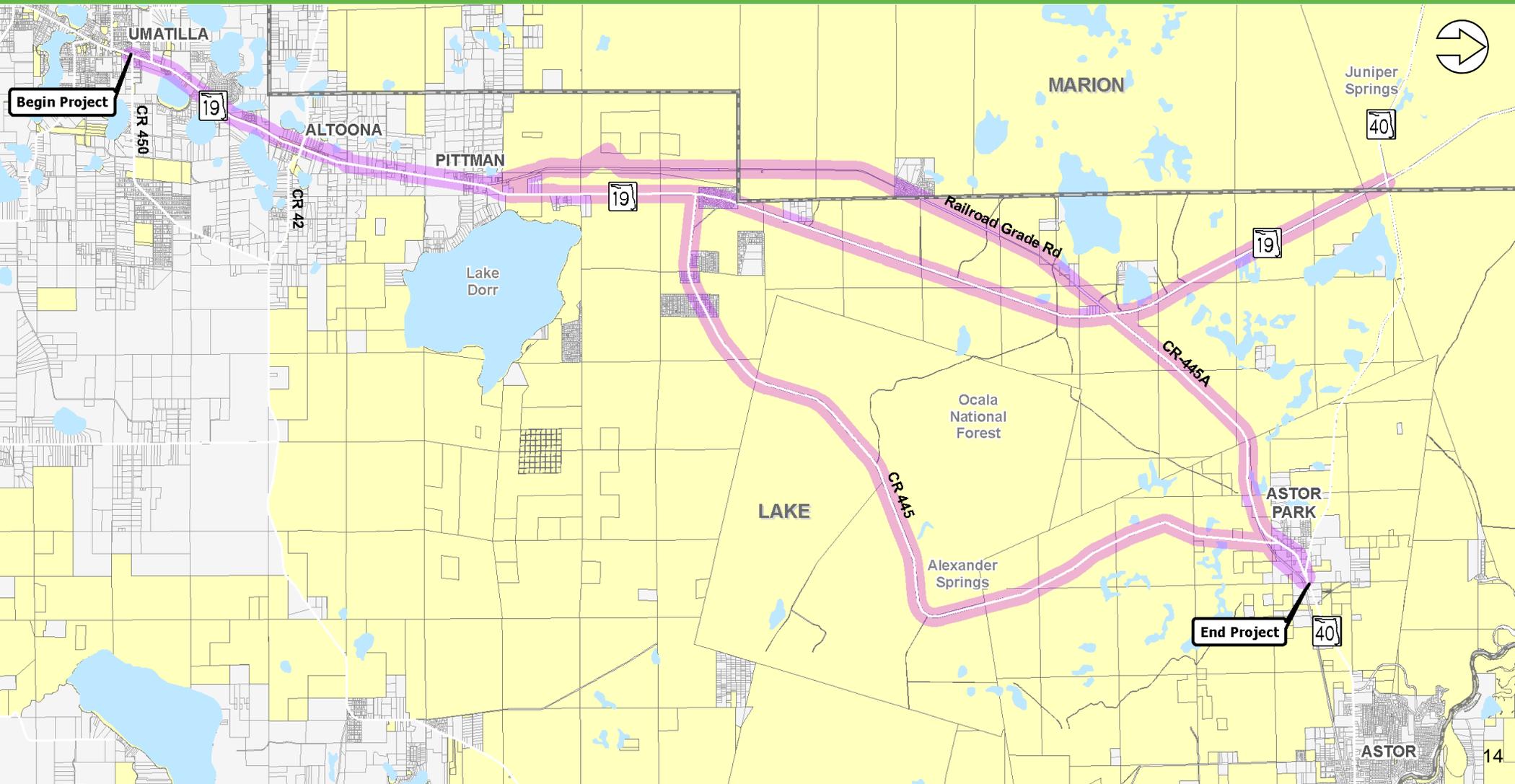


# Alternatives Development

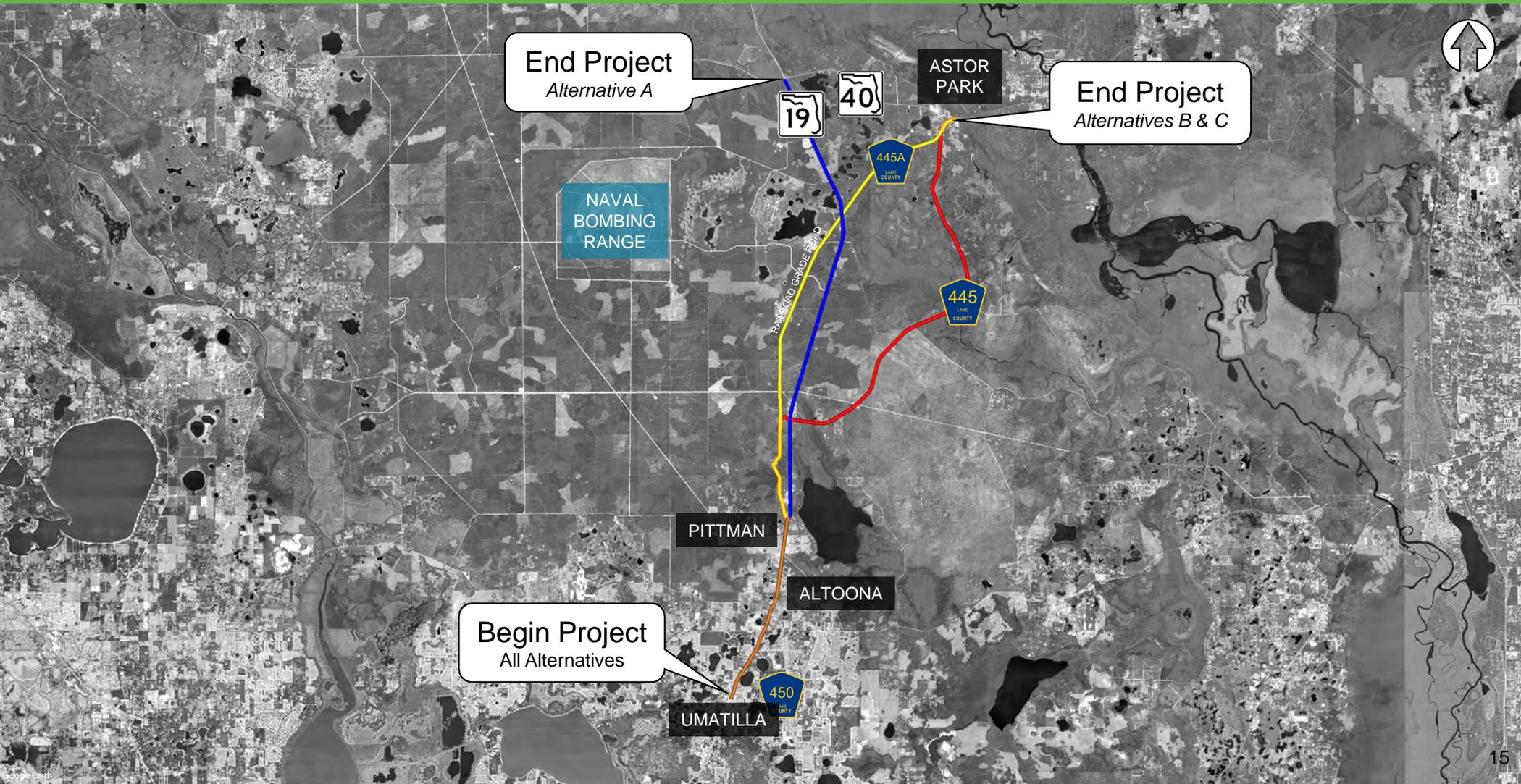
## North Lake Trail Phase 3

# Publicly Owned Lands

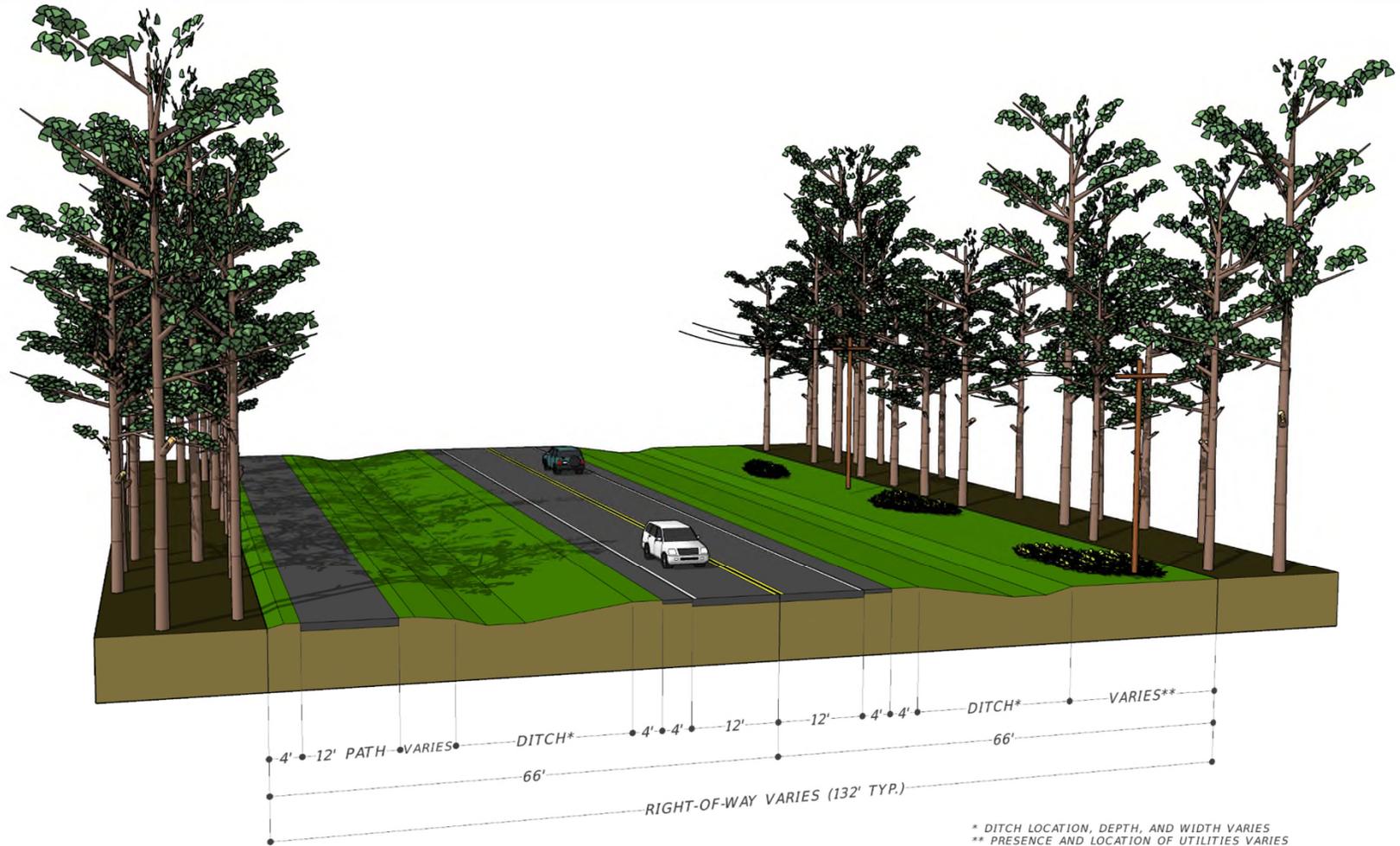
- Publicly Owned Parcel
- Privately Owned Parcel
- Study Corridor(s)



# Overview of Alternatives



# Example Typical Section No. 1 – Trail within Existing Right of Way (ROW) / Easements



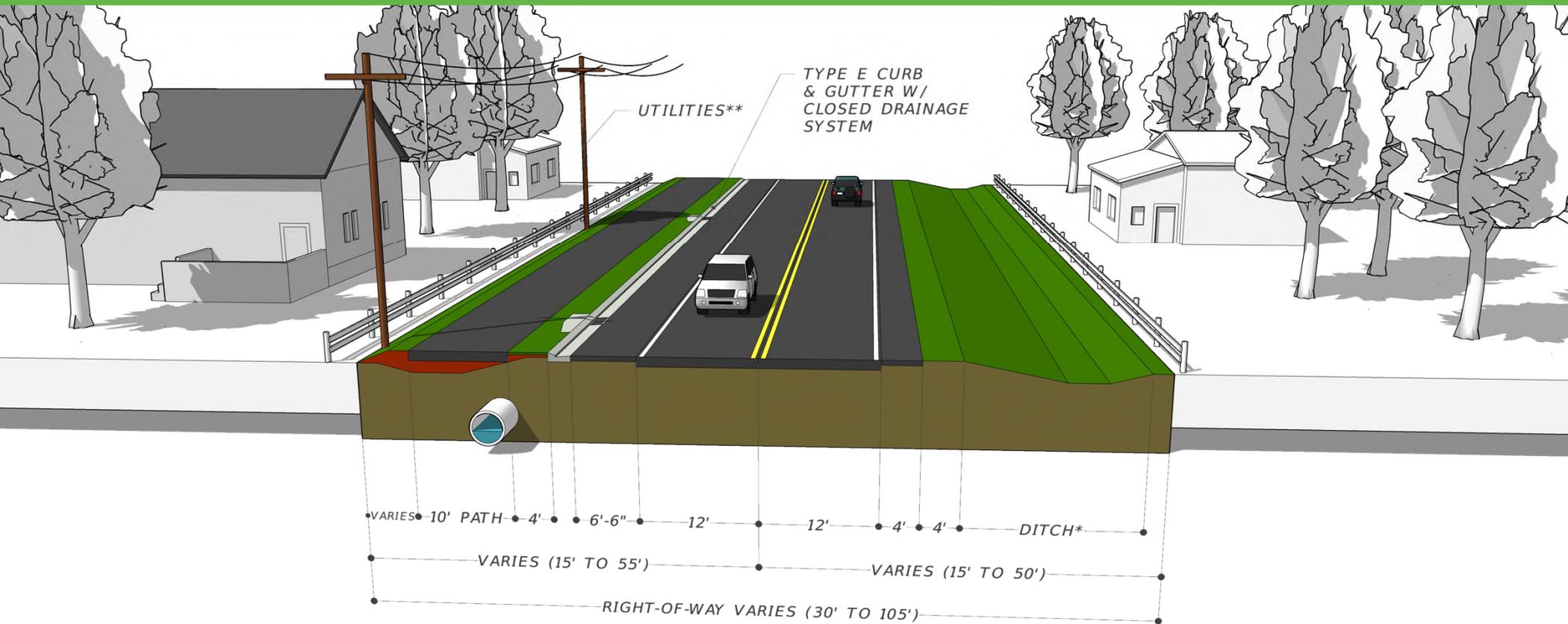
# Example Typical Section No. 2 – Trail in Separate Easement



# Example Typical Section No. 3 – Constrained Areas



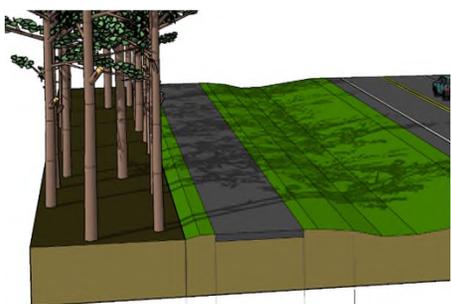
# Example Typical Section No. 4 – Very Constrained Areas



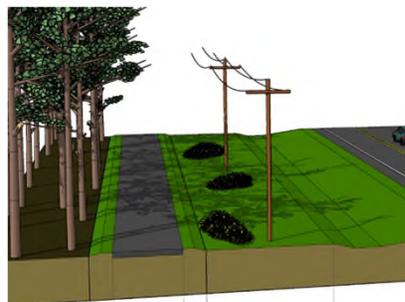
\* DITCH LOCATION, DEPTH, AND WIDTH VARIES  
\*\* PRESENCE AND LOCATION OF UTILITIES VARIES

# Overview of Alternatives

— A-B-C   
 — B-C   
 — A   
 — B   
 — C



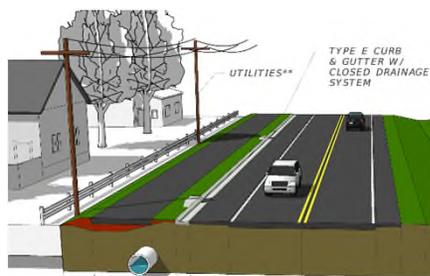
**1** Trail within Existing Right of Way (ROW) / Easements



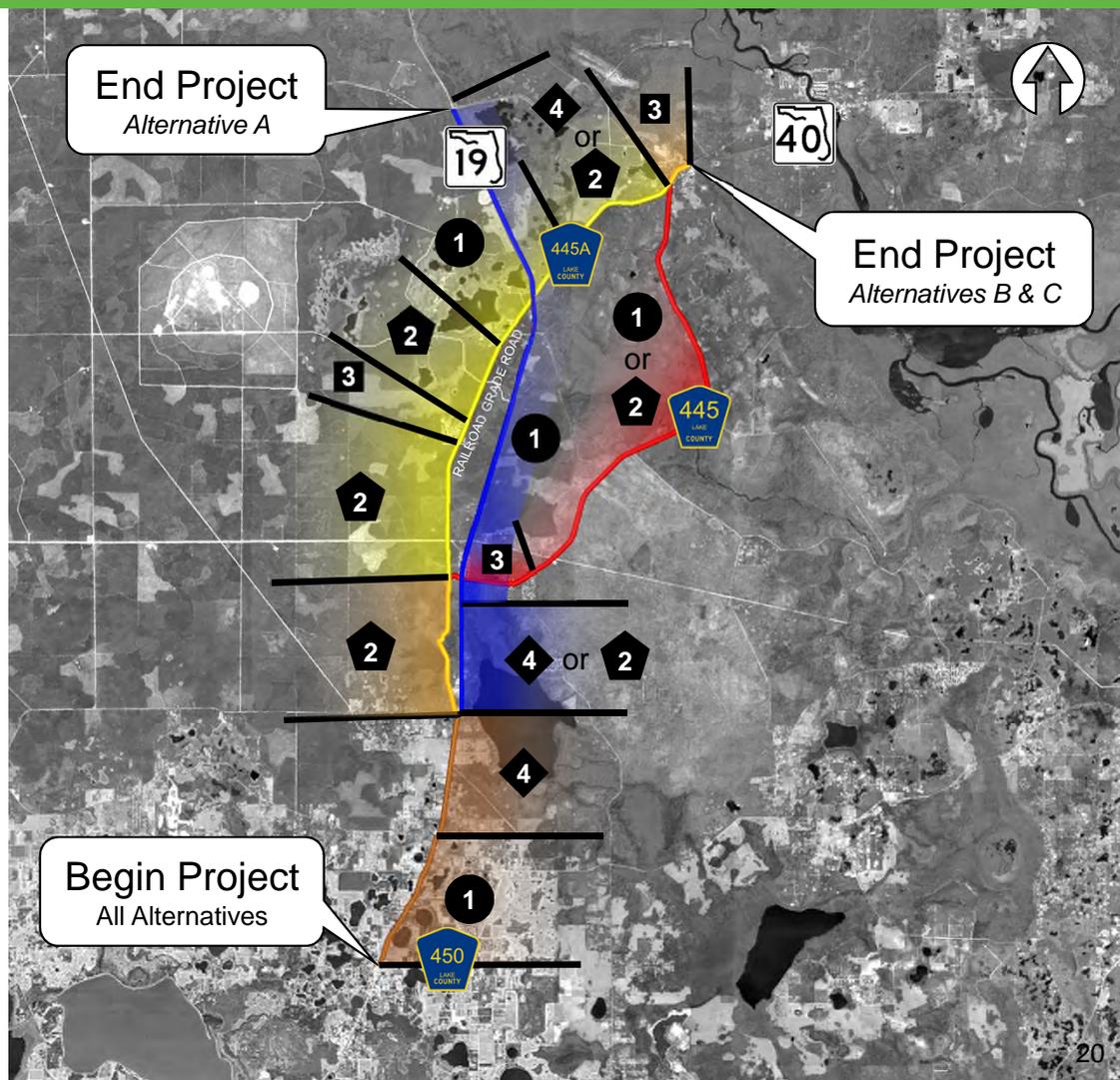
**2** Trail in Separate Easement



**3** Constrained Areas



**4** Very Constrained Areas



# Overview of Alternatives

— A-B-C — B-C — A — B — C



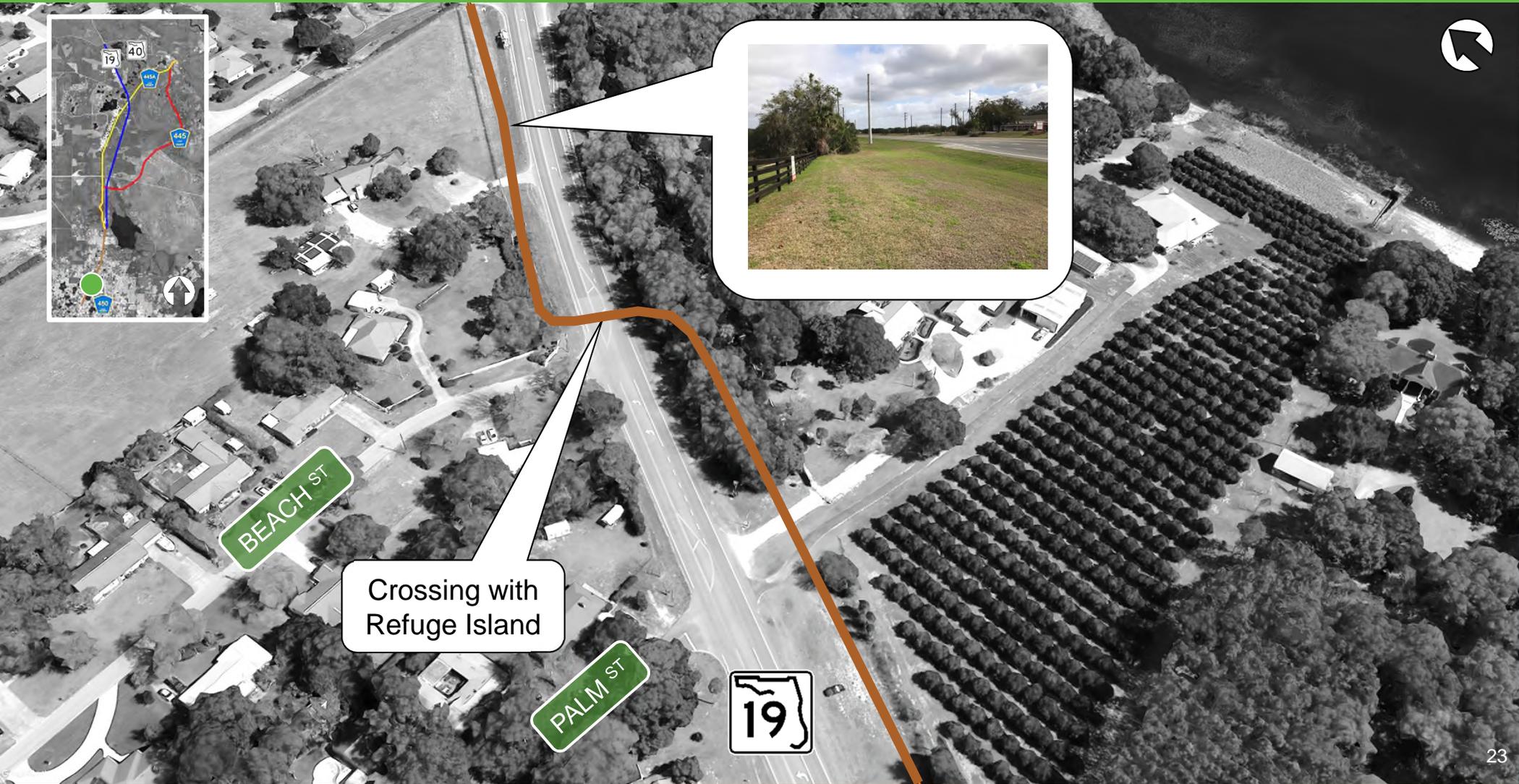
# Overview of Alternatives

— A-B-C    — B-C    — A    — B    — C



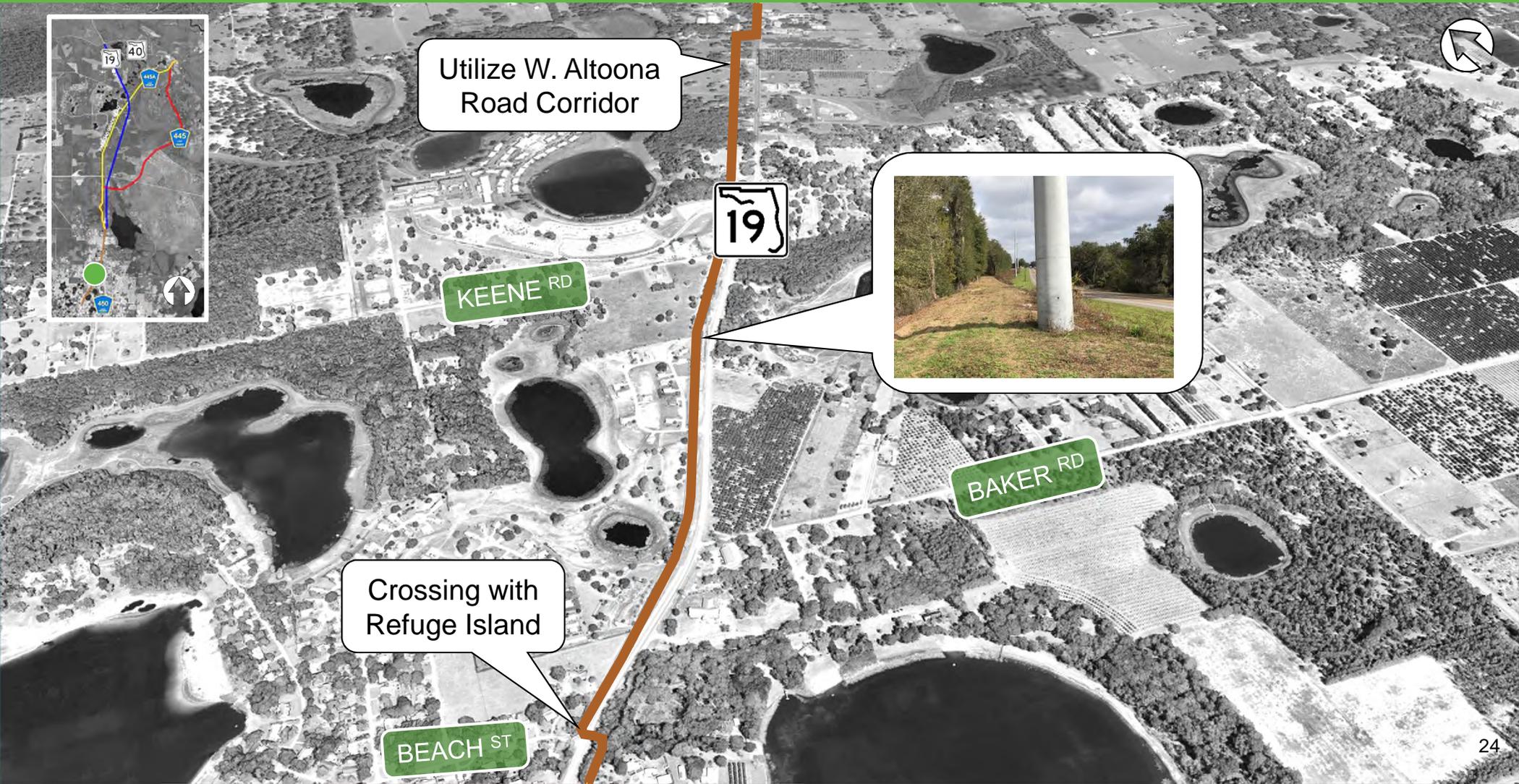
# Overview of Alternatives

— A-B-C    — B-C    — A    — B    — C



# Overview of Alternatives

— A-B-C — B-C — A — B — C



# Overview of Alternatives

A-B-C    B-C    A    B    C



Utilize W. Altoona Road Corridor



LAKE DAISY DR

WALTOONA RD

BENT TREE RD

Limited Right of Way along S.R. 19



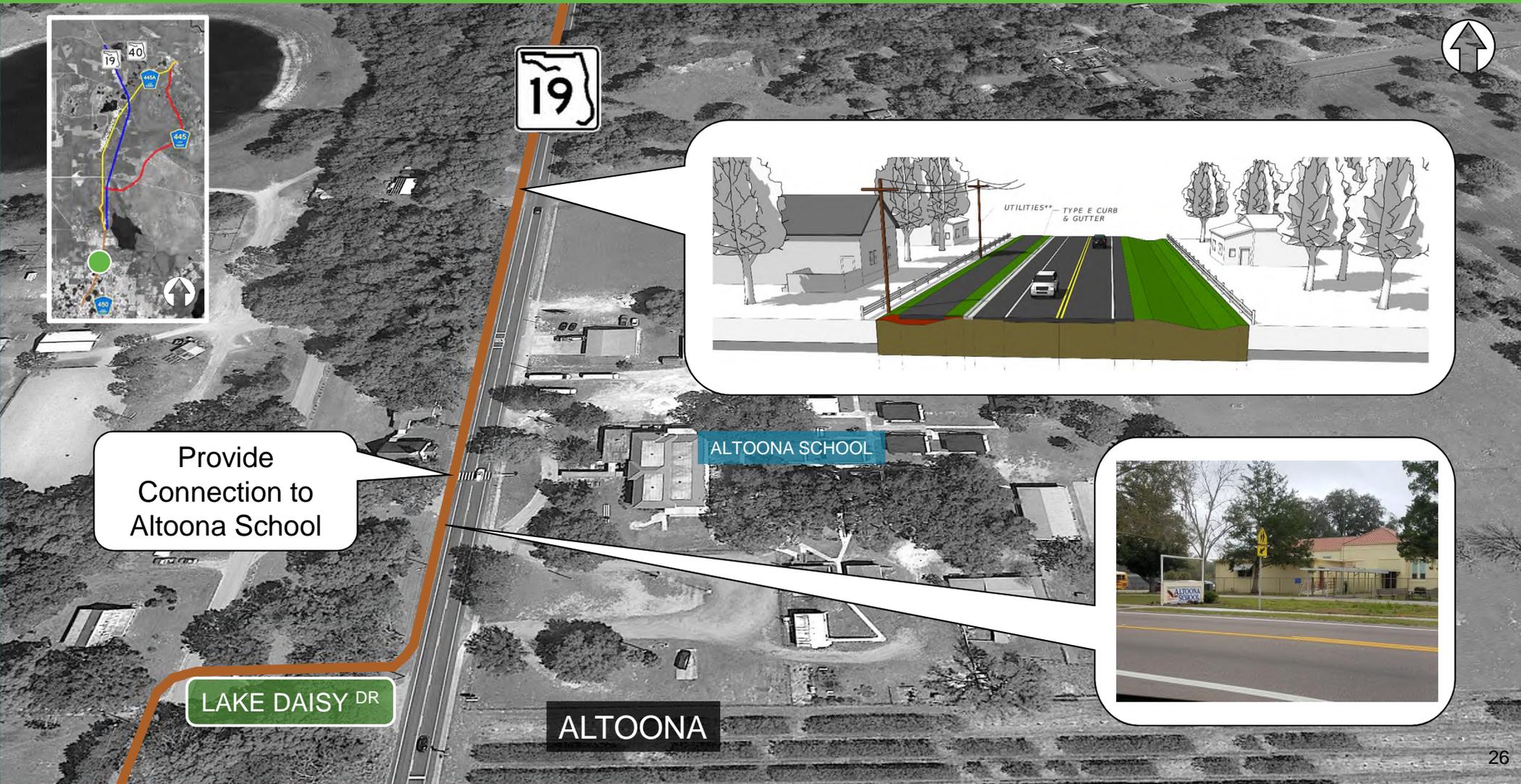
LAKEVIEW TERRACE DR

ALTOONA



# Overview of Alternatives

A-B-C    B-C    A    B    C



# Overview of Alternatives

— A-B-C — B-C — A — B — C



On Forest Property

Trail Easement when Adjacent to Forest Property

Begin Alternate Alignments

On Forest Property

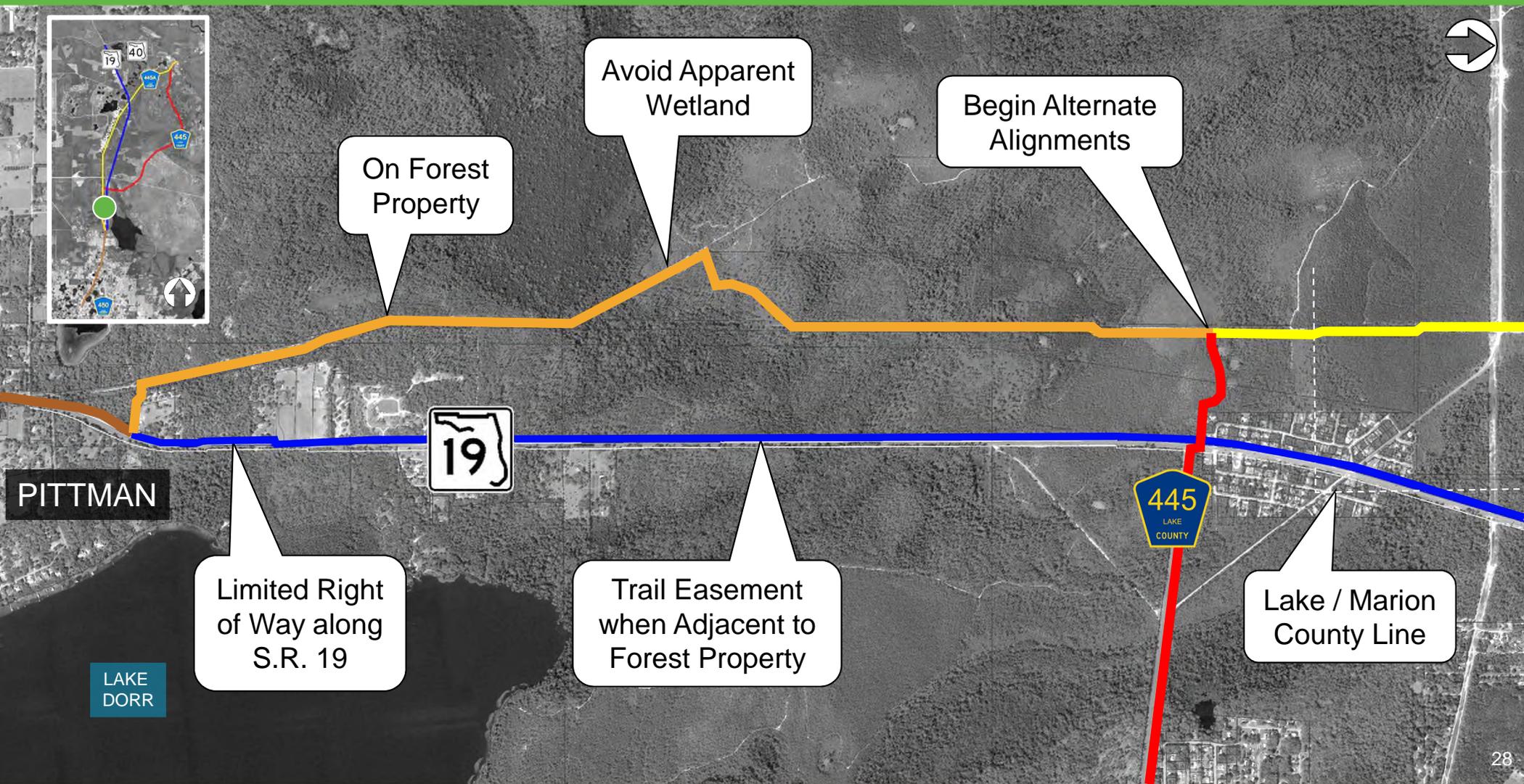


DORR RD

PITTMAN

# Overview of Alternatives

A-B-C    B-C    A    B    C



# Overview of Alternatives

A-B-C    B-C    A    B    C



Lake / Marion  
County Line

Existing  
Wetlands

Apparent  
Power Line  
Easement

RABBIT RD

E DEER RD



# Overview of Alternatives

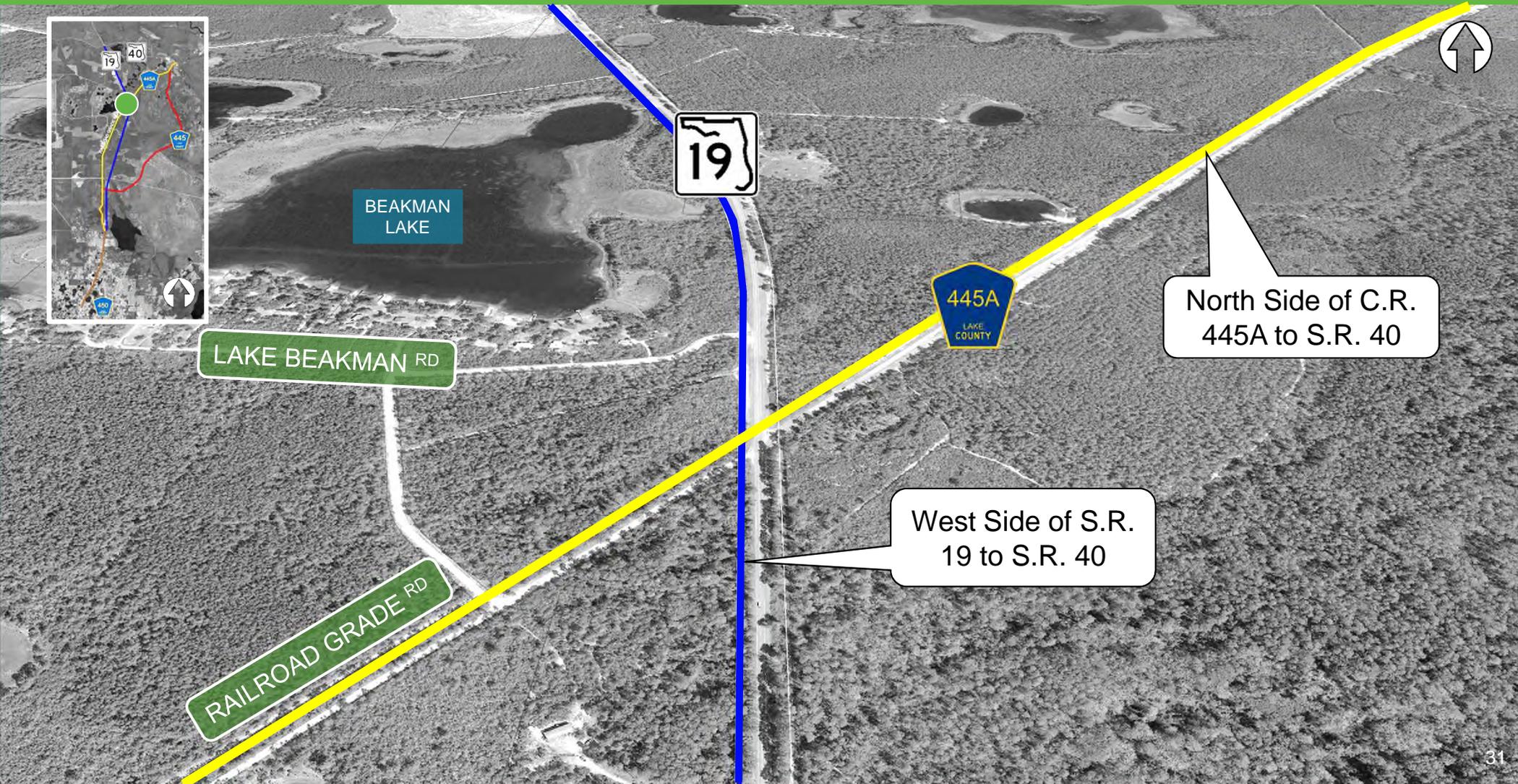
— A-B-C    — B-C    — A    — B    — C



Lake / Marion  
County Line

# Overview of Alternatives

— A-B-C — B-C — A — B — C



# Overview of Alternatives

A-B-C    B-C    A    B    C

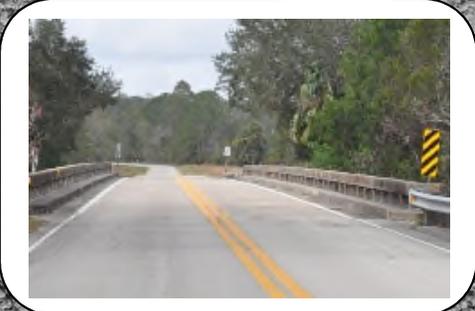


Known Nesting Area for Red Cockaded Woodpecker

Known Bald Eagle Nesting Site

660 feet

Connection to Alexander Springs



# Overview of Alternatives

— A-B-C — B-C — A — B — C



# Overview of Alternatives

A-B-C    B-C    A    B    C

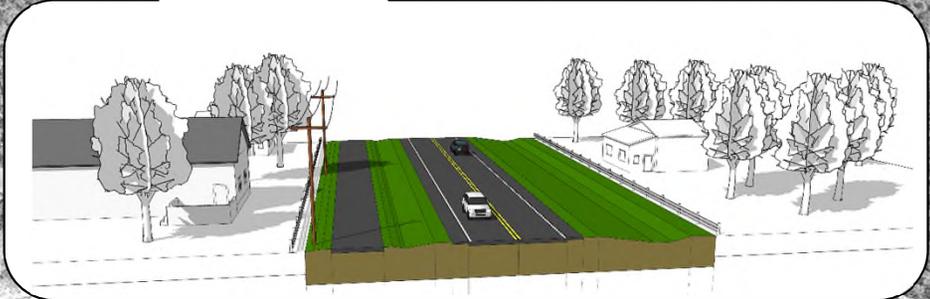


SCHIMMERHORN LAKE



Begin B-C

End Project  
Alternatives B & C





# Draft Evaluation Matrix – Trail Experience



Evaluation Criteria	Trail Project Alternatives		
	Alternative A (S.R. 19) 	Alternative B (C.R. 445) 	Alternative C (C.R. 445A) 
<b>Proximity to Hiking / Biking Trails</b> <i>(Number of Trails within 0.5 miles)</i>	1	3	1
<b>Distance from Thoroughfares</b> <i>(Weighted Average in feet of Trail Distance from S.R. 19, C.R. 445, or C.R. 445A)</i>	38	549	1,259
<b>Side Street / Driveway Crossings</b> <i>(Number of Crossings)</i>	35 / 66	32 / 59	34 / 67



# Draft Evaluation Matrix – Natural



Evaluation Criteria	Trail Project Alternatives		
	Alternative A (S.R. 19) 	Alternative B (C.R. 445) 	Alternative C (C.R. 445A) 
<b>Wetland Impacts</b> <i>(Acreage of Potential Impacts)</i>	0.3	1.4	1.2
<b>Floodplain Impacts</b> <i>(Acreage of Potential Impacts)</i>	3.4	3.8	3.9
<b>Risk to Bald Eagle Nesting Sites</b> <i>(Number of Known Sites within 1,000 feet)</i>	0	1	0
<b>Habitat Fragmentation Risk</b> <i>(Low / Medium / High)</i>	Low	Low	Medium



# Draft Evaluation Matrix – Physical



Evaluation Criteria	Trail Project Alternatives		
	Alternative A (S.R. 19) 	Alternative B (C.R. 445) 	Alternative C (C.R. 445A) 
<b>Risk to Impact Contamination Sites</b> <i>(Number of Known Sites within 500 feet)</i>	4	4	4
<b>Level of Utility Impacts</b> <i>(Low / Medium / High)</i>	Low	Low	Low
<b>Potential Bridge Crossings</b> <i>(Number of New Bridge Crossings)</i>	0	1	0
<b>Level of Drainage Swale Impacts</b> <i>(Low / Medium / High)</i>	Medium	Medium	Medium



# Draft Evaluation Matrix – Cultural



Evaluation Criteria	Trail Project Alternatives		
	Alternative A (S.R. 19) 	Alternative B (C.R. 445) 	Alternative C (C.R. 445A) 
<b>Risk to Impact Historical Sites</b> <i>(Number of Known Sites within 500 feet)</i>	61	61	59
<b>Risk of Impact to Archaeological Areas</b> <i>(Low / Medium / High)</i>	Low	Low	Low
<b>Potential Conflicts With Hunting</b> <i>(Low / Medium / High)</i>	Low	Low	Medium



# Draft Evaluation Matrix – Social & Economic



Evaluation Criteria	Trail Project Alternatives		
	Alternative A (S.R. 19) 	Alternative B (C.R. 445) 	Alternative C (C.R. 445A) 
<b>Proximity to Community Features</b> <i>(Number of Features within 0.5 miles)</i>	31	36	32
<b>Connects to Alexander Springs</b> <i>(Yes or No)</i>	No	Yes	No
<b>Trail Route between Umatilla and Astor</b> <i>(Distance in miles)</i>	24.6	22.3	20.5
<b>Nearby Households</b> <i>(Number of Households within 0.5 miles)</i>	645	723	669
<b>Total Population</b> <i>(Population within 0.5 miles)</i>	1,583	1,774	1,640



# Draft Evaluation Matrix – Traffic & Safety



Evaluation Criteria	Trail Project Alternatives		
	Alternative A (S.R. 19) <span style="background-color: blue; color: blue;">█</span>	Alternative B (C.R. 445) <span style="background-color: red; color: red;">█</span>	Alternative C (C.R. 445A) <span style="background-color: yellow; color: yellow;">█</span>
<b>Adjacent Roadway Traffic Volume</b> <i>(Weighted Average of Annual Daily Traffic)</i>	5,500	4,000	2,750
<b>Adjacent Roadway Posted Speed Range / Weighted Average Speed</b> <i>(Speed in MPH)</i>	35 to 55 / 54	35 to 55 / 53	35 to 55 / 40
<b>Crossings at Non-signalized / Midblock Locations</b> <i>(Number of Crossings across S.R. 19, C.R. 445, or C.R. 445A)</i>	1	3	2



# Draft Evaluation Matrix - Highlights



Evaluation Criteria	Alternative A (S.R. 19)	Alternative B (C.R. 445)	Alternative C (C.R. 445A)
<b>Proximity to Hiking / Biking Trails</b> <i>(Number of Trails within 0.5 miles)</i>	1	3	1
<b>Distance from Thoroughfares</b> <i>(Weighted Avg. of Trail Distance in feet from S.R. 19, C.R. 445, or C.R. 445A)</i>	38	549	1,259
<b>Habitat Fragmentation Risk</b> <i>(Low / Medium / High)</i>	Low	Low	Medium
<b>Potential Bridge Crossings</b> <i>(Number of New Bridge Crossings)</i>	0	1	0
<b>Potential Conflicts With Hunting</b> <i>(Low / Medium / High)</i>	Low	Low	Medium
<b>Connects to Alexander Springs</b> <i>(Yes or No)</i>	No	Yes	No
<b>Trail Route between Umatilla and Astor</b> <i>(Distance in miles)</i>	24.6	22.3	20.5
<b>Adjacent Roadway Traffic Volume</b> <i>(Weighted Average of Annual Daily Traffic)</i>	5,500	4,000	2,750
<b>Adjacent Roadway Posted Speed</b> <i>(Weighted Average of Speed in MPH)</i>	54	53	40
<b>Crossings at Non-signalized / Midblock Locations</b> <i>(Number of Crossings across S.R. 19, C.R. 445, or C.R. 445A)</i>	1	3	2
<b>Construction Cost Comparison</b>	\$	\$\$	\$

## Contact Us!

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