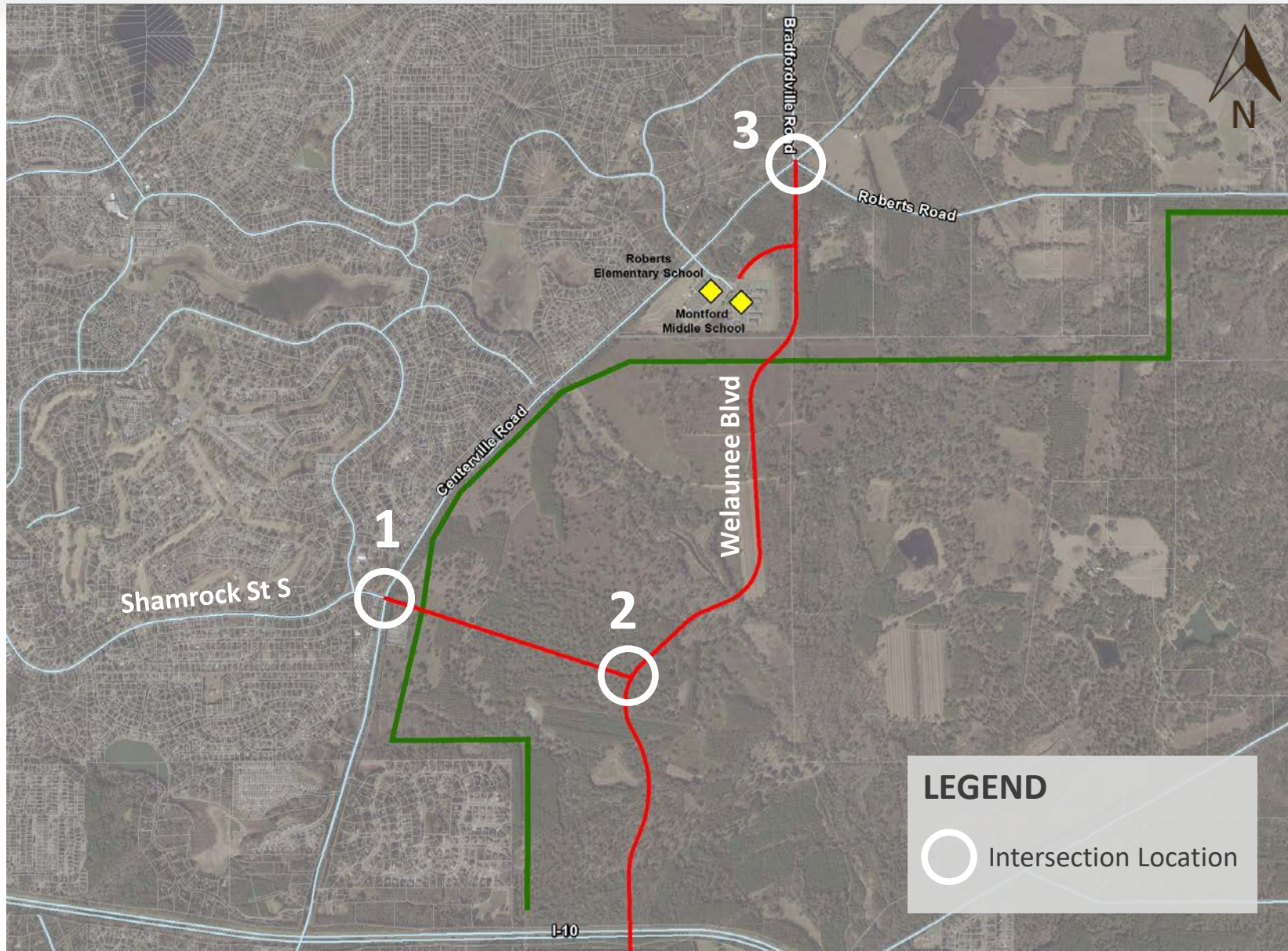


Intersections North of I-10

Northeast Gateway: Welaunee Boulevard Project Development & Environment Study

Leon County, Florida
November 16, 2020

Studied Intersections



Shamrock St South & Centerville Rd

Existing

- T-Intersection
- Shamrock Street South Stop-Controlled
- Plans currently in place for signal at intersection in No Build Condition.

Approach	LOS (Delay (s))
	PM Peak Hour
Centerville Rd Northbound Left	A (8.5)
Shamrock St S Eastbound STOP	F (140.7)



Shamrock St South & Centerville Rd

4

Tree Survey



Shamrock St South & Centerville Rd

Signalized

- 4-Leg Intersection
- Eastbound and Westbound
 - 1—Dedicated Left-Turn Lane
 - Channelized Right-Turn Lane
- Northbound and Southbound
 - 1—Dedicated Left-Turn Lane
- Design Year 2045 Analyzed with an I-10 Interchange

	Approach	LOS (Delay (s))
		PM Peak Hour
Opening	Overall Signalized	A (8.8)
Design	Overall Signalized	D (42.6)



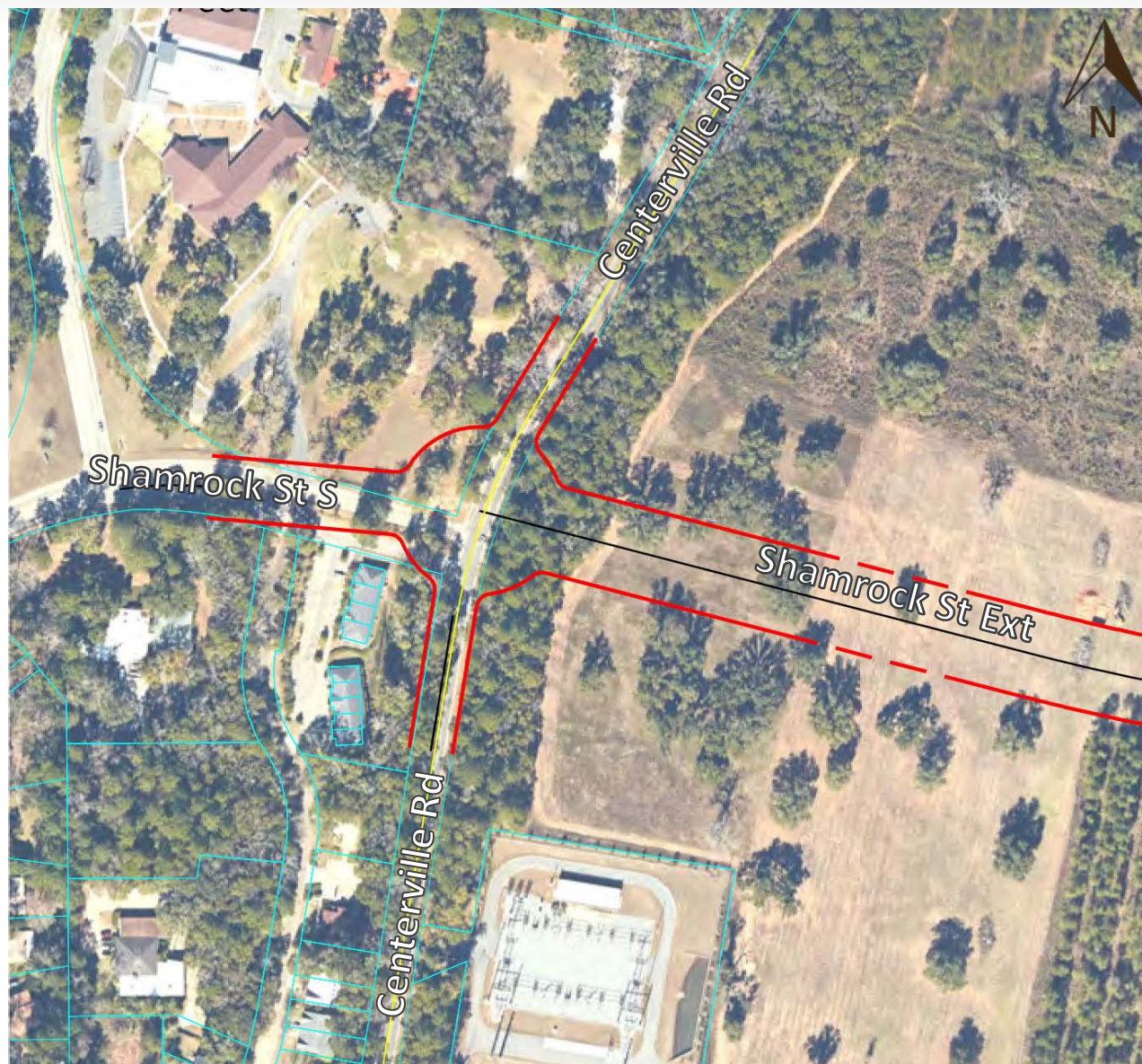
Shamrock St South & Centerville Rd

6

Roundabout

- 4-Leg Intersection
- 2-Lane Roundabout
- All approaches have 2-Entering/Exit Lanes
- Design Year 2045 Analyzed with an I-10 Interchange

	Approach	LOS (Delay (s))
		PM Peak Hour
Opening	Overall Roundabout	A (6.3)
Design	Overall Roundabout	B (10.8)



Shamrock St Extension and Welaunee Blvd

7

Roundabout

- T-Intersection
- Shared Lane for all Approaches

	Approach	LOS (Delay (s))
		PM Peak Hour
Opening	Overall Roundabout	A (4.9)
Design	Overall Signalized	B (12.8)



Bradfordville, Roberts, & Centerville Rd

8

Existing

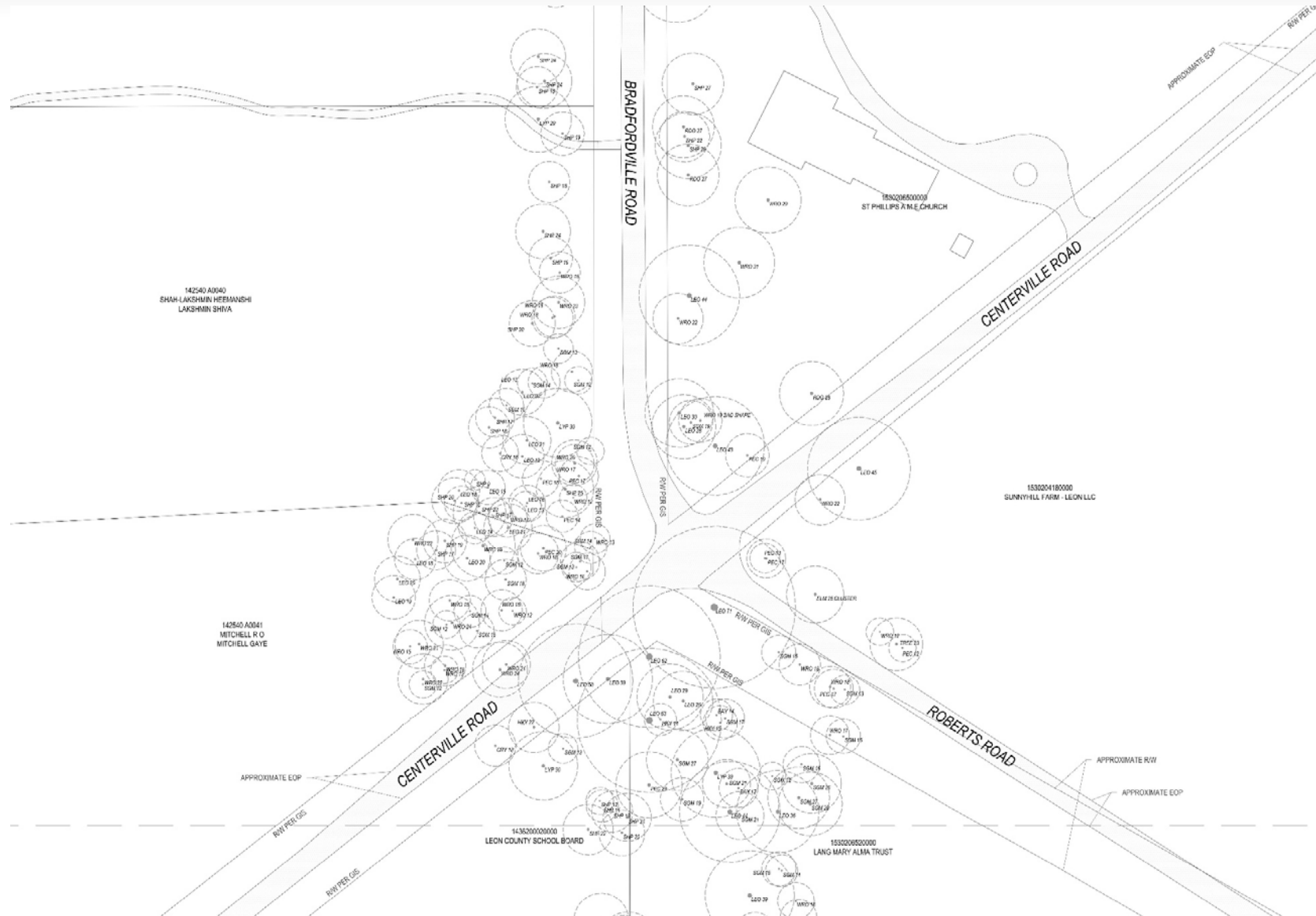
- Signalized 4-Leg Intersection
- Conservation Easement
- Church and Cemetery
- Additional Landowners
- Wetland and Floodplains

Approach	LOS (Delay (s))
	PM Peak Hour
Overall Intersection	B (14.0)



Bradfordville, Roberts, & Centerville Rd

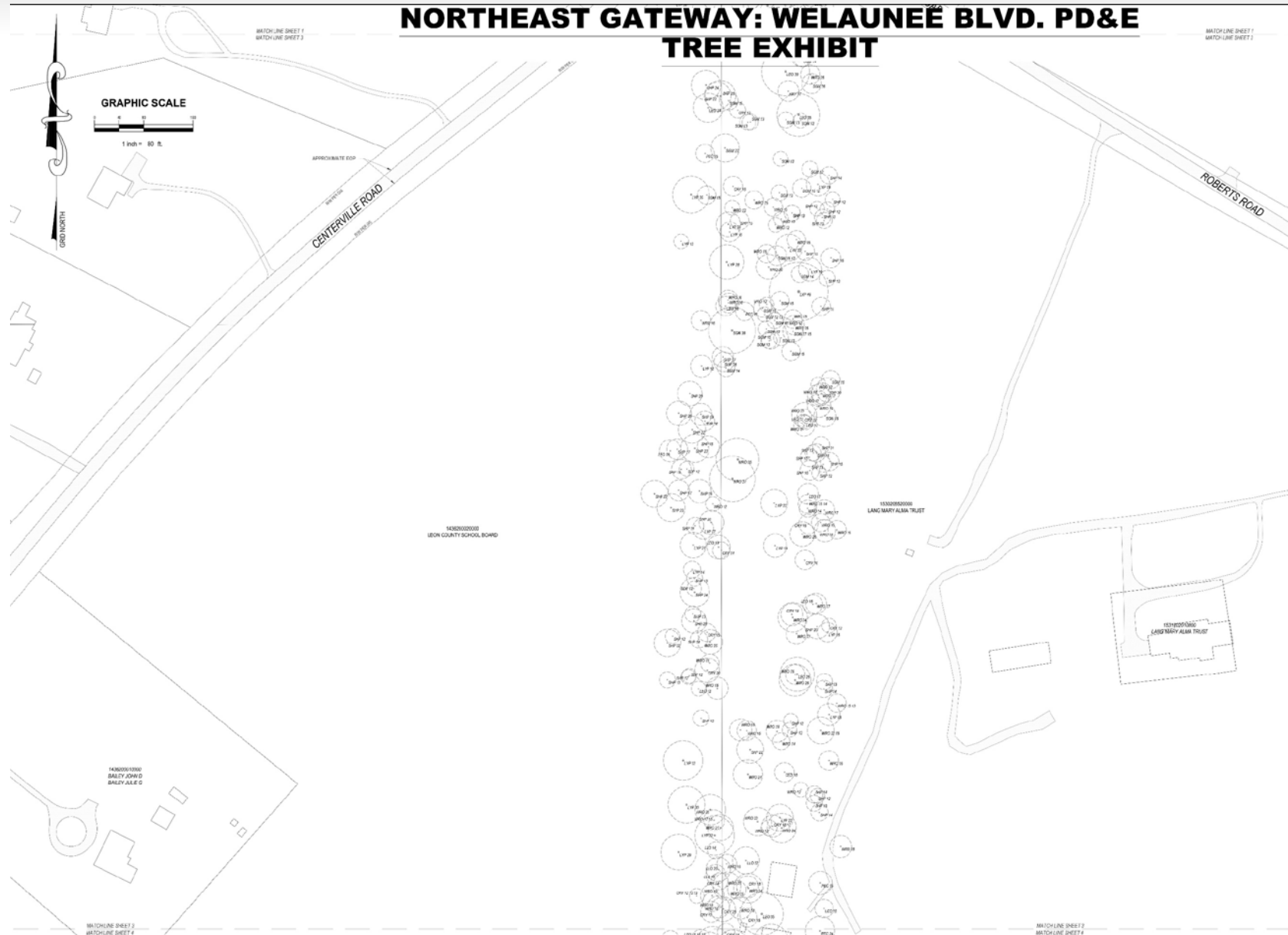
Tree Survey



Bradfordville, Roberts, & Centerville Rd

10

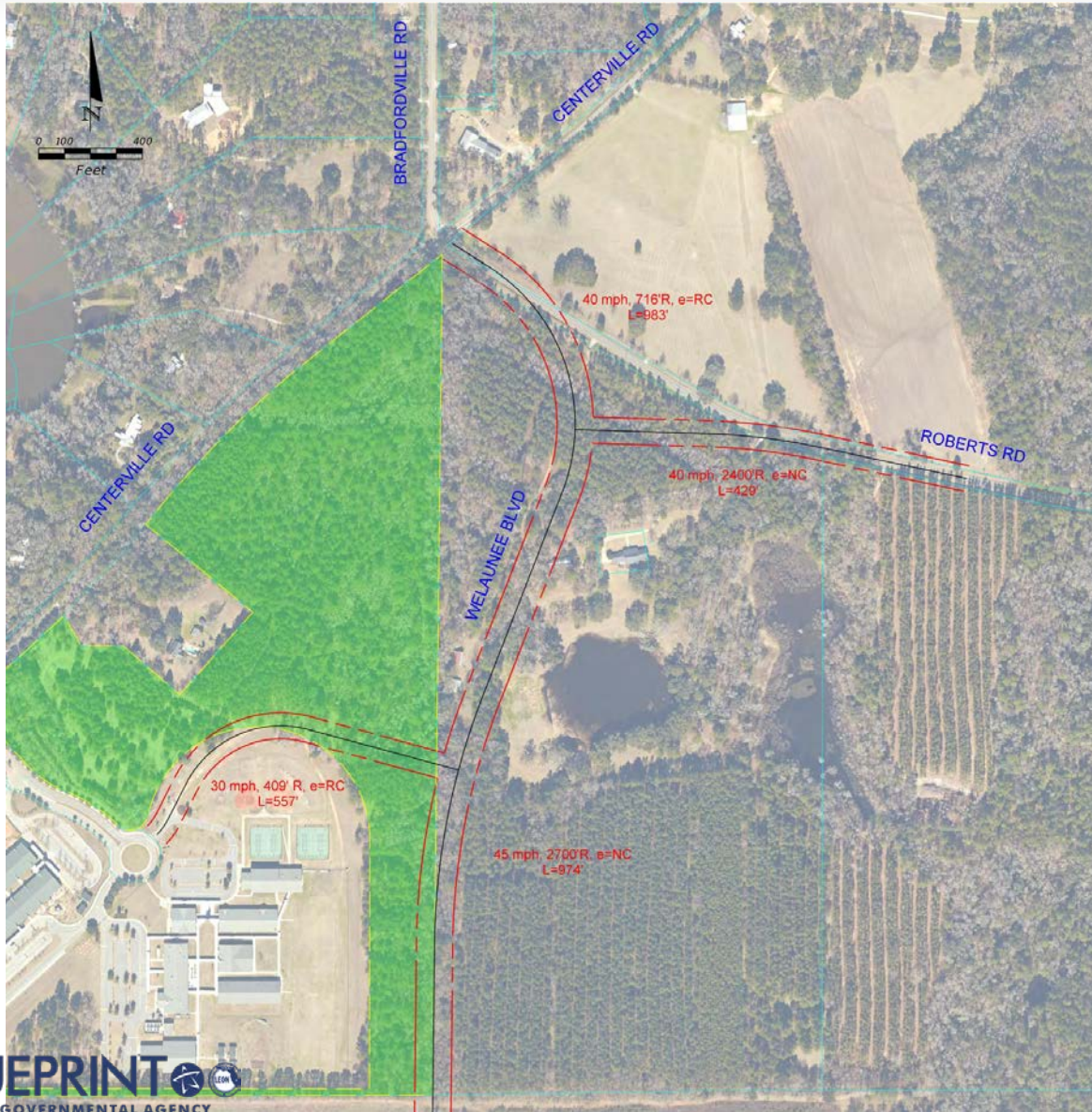
Tree Survey



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Roberts Road Swing - Overview

12



- 4-Leg Intersection
 - Bradfordville Rd
 - Welaunee Blvd
 - Centerville Rd
- Roberts Rd Swings to make a T-Intersection with Welaunee Blvd

Roberts Road Swing

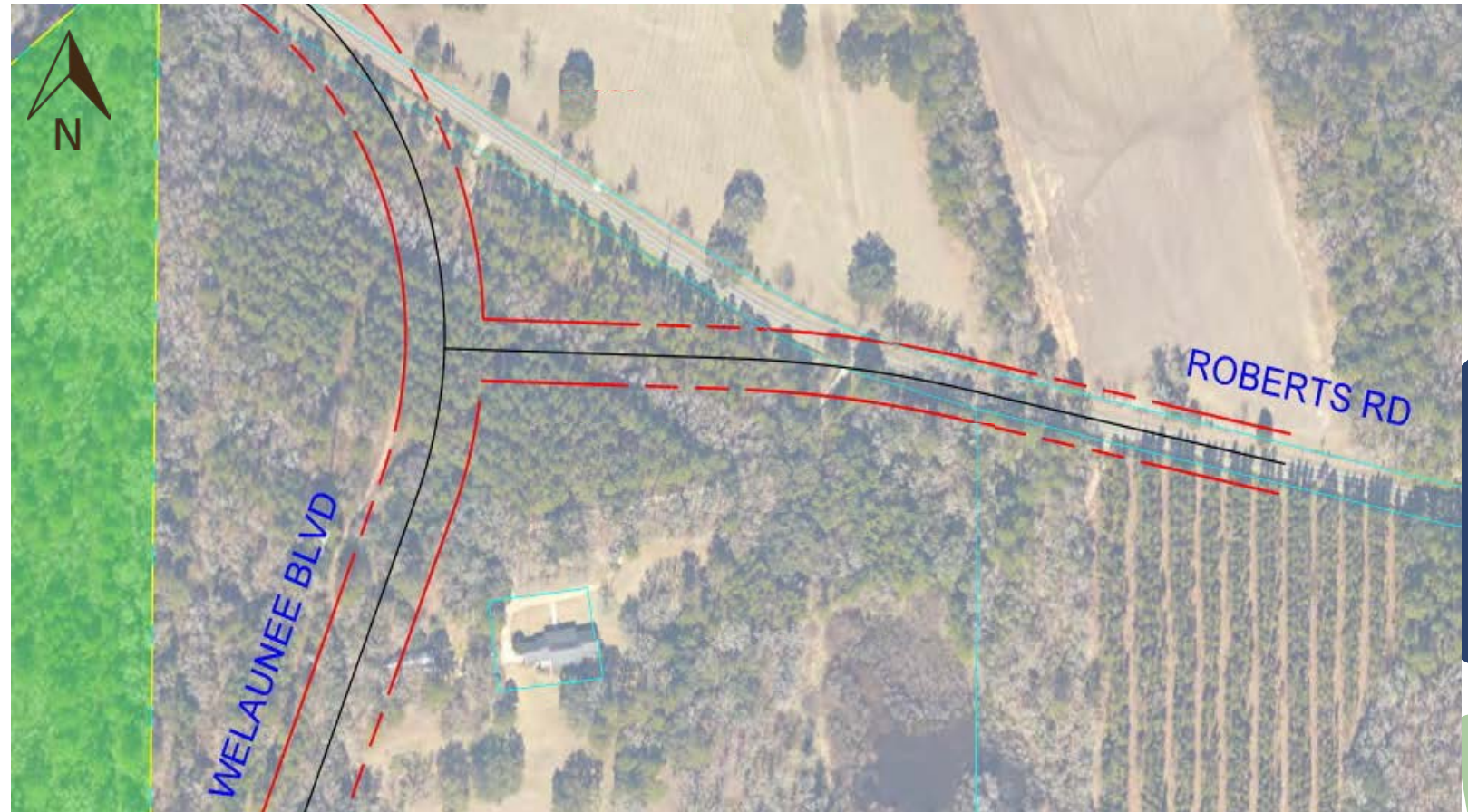
13

Roberts Rd & Bradfordville Blvd

- T-Intersection
- Several Traffic Controls Analyzed

- Signalized
 - Shared Lane for all Approaches
- Roundabout
 - Shared Lane for all Approaches

	Approach	LOS (Delay (s))
		PM Peak Hour
Opening	Roberts Rd Westbound STOP	C (16.4)
	Overall Signalized	B (11.9)
	Overall Roundabout	A (6.3)
Design	Roberts Rd Westbound STOP	E (42.1)
	Overall Signalized	C (25.6)
	Overall Roundabout	A (9.2)



Roberts Road Swing - Signalized

14

Bradfordville Rd, Centerville Rd, & Welaunee Blvd

- 4-Leg Intersection
- Northbound (Welaunee Blvd) & Westbound (Centerville Rd)
 - 1—Dedicated Left-Turn Lane
 - Shared Through/Right-Turn Lane
- Southbound (Bradfordville Rd)
 - 1—Dedicated Right-Turn Lane
 - Shared Through/Left-Turn Lane
- Eastbound (Centerville Rd)
 - 1—Dedicated Left-Turn Lane
 - 1—Dedicated Right-Turn Lane

	Approach	LOS (Delay (s))
		PM Peak Hour
Opening	Overall Signalized	C (20.3)
Design	Overall Signalized	D (42.5)



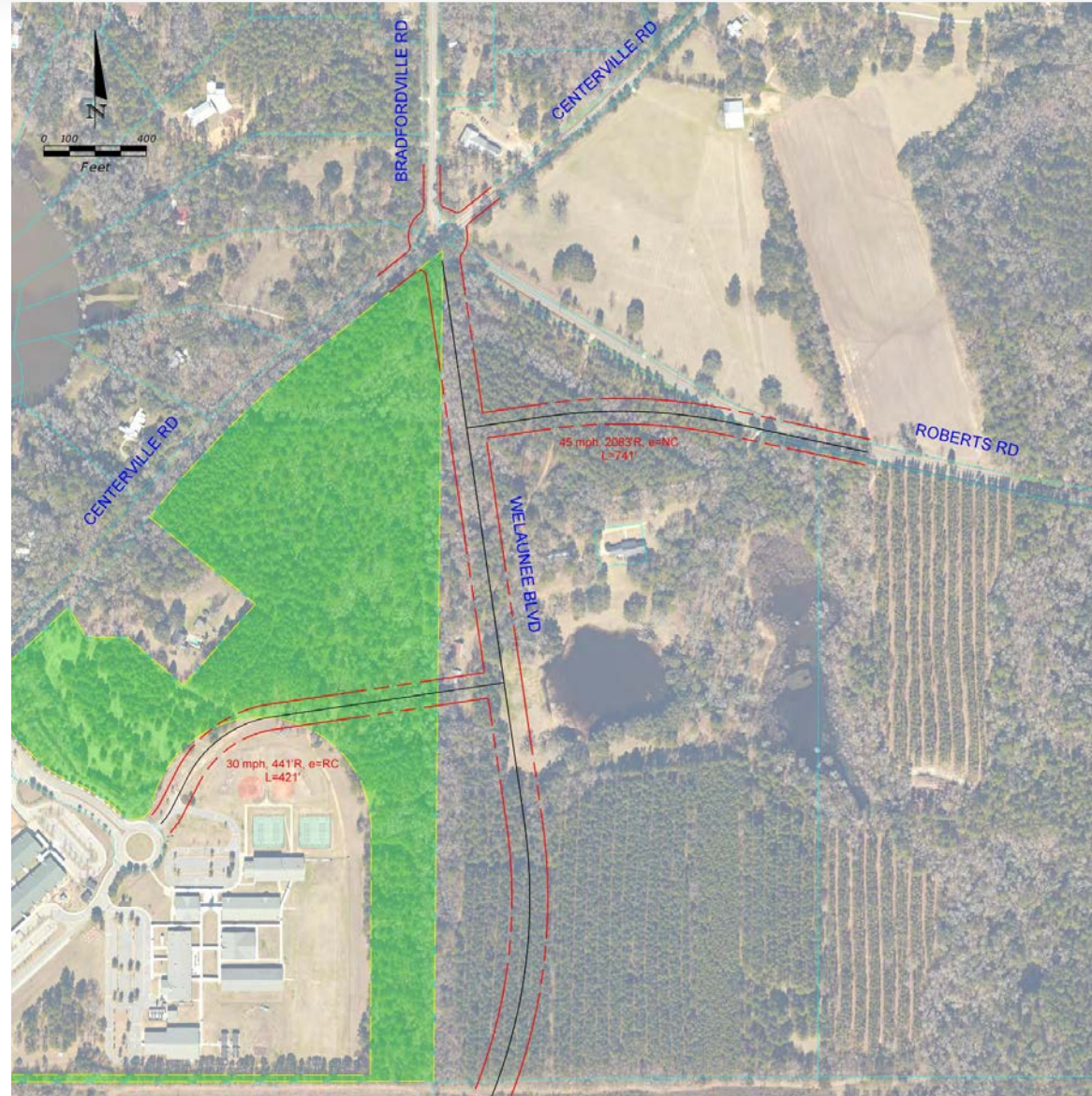
Roberts Road Swing - Roundabout

15

Bradfordville Rd, Centerville Rd, & Welaunee Blvd

- 4-Leg Intersection
- Single-Lane Roundabout
- Design Year 2045 Analyzed with an I-10 Interchange
- All approaches have 1-Entering/Exit Lane

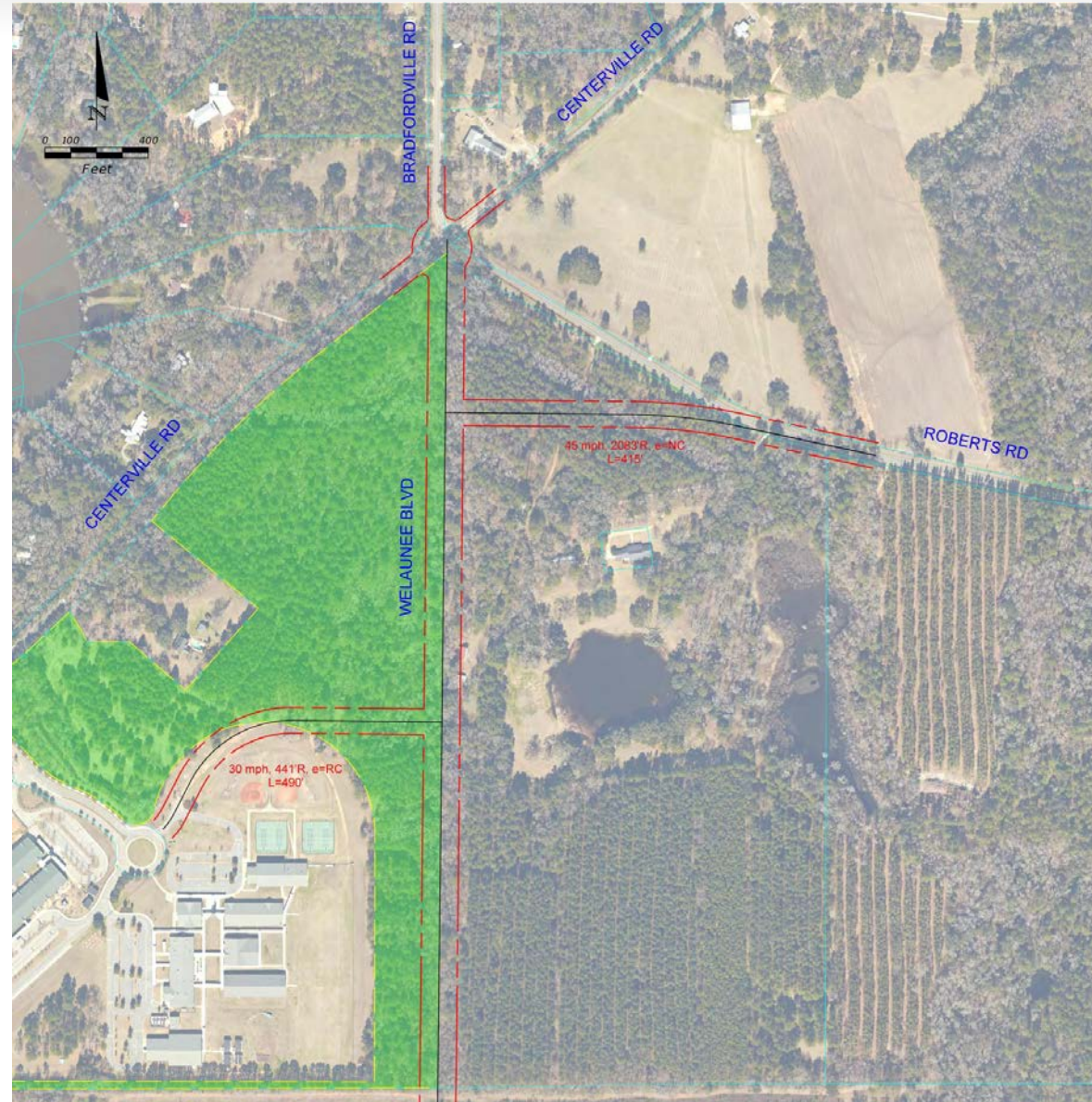
	Approach	LOS (Delay (s))
		PM Peak Hour
Opening	Overall Roundabout	A (9.8)
Design	Overall Roundabout	D (28.8)



Roberts Road Swing - Roundabout

Bradfordville Rd, Centerville Rd, & Welaunee Blvd

- 4-Leg Intersection
- Welaunee Boulevard partially on Lang Family property and Conservation Easement
- Acute Angle between Welaunee Blvd and Centerville Rd (Eastbound)

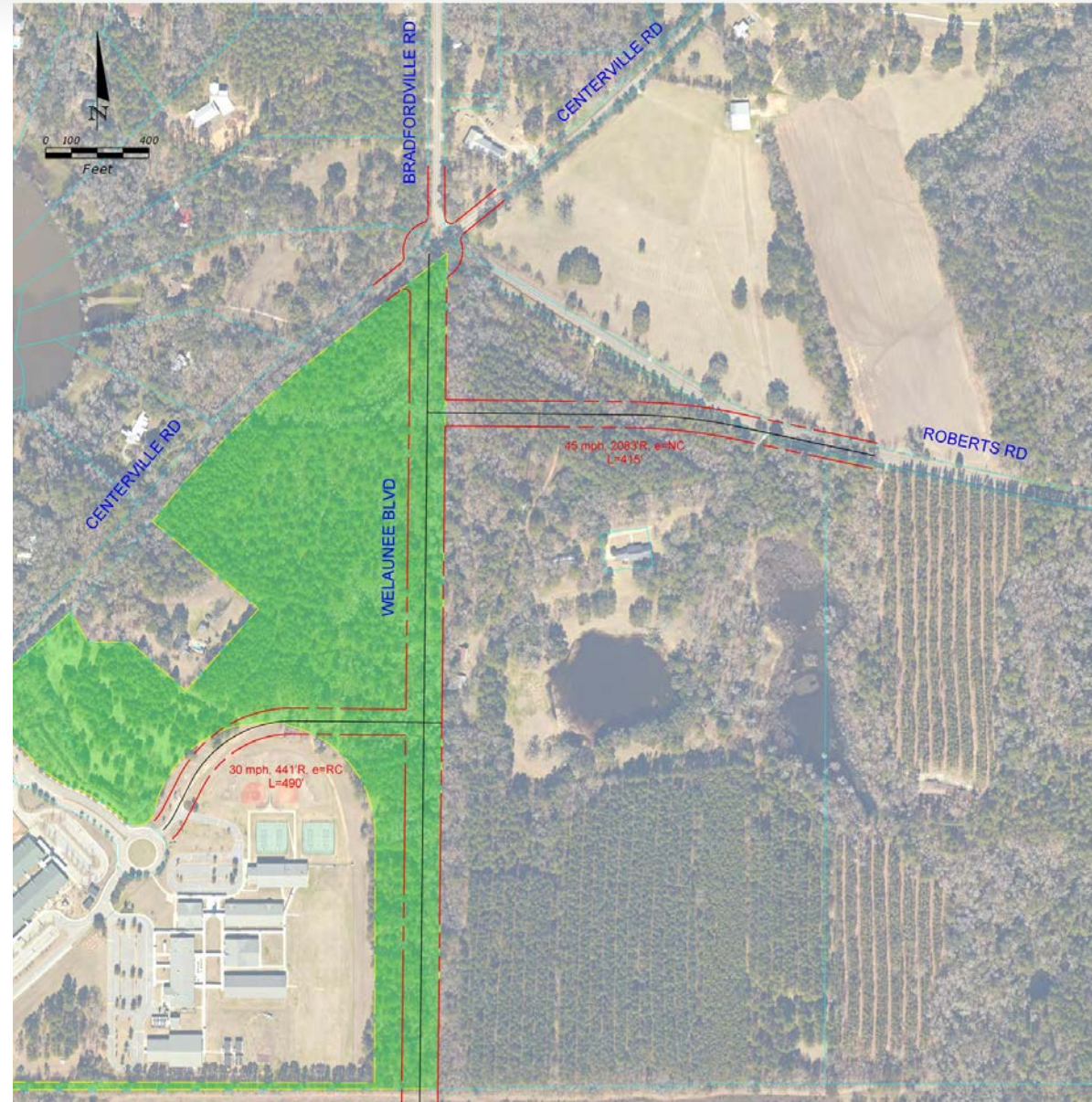


Roberts Road Swing - Roundabout

17

Bradfordville Rd, Centerville Rd, & Welaunee Blvd

- 4-Leg Intersection
- Welaunee Boulevard entirely on Conservation Easement.
- Acute Angle between Welaunee Blvd and Centerville Rd (Eastbound)



Centerville Road Swing - Overview

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- 4-Leg Intersection
 - Bradfordville Rd
 - Welaunee Blvd
 - Centerville Rd
 - Roberts Rd
- Centerville Rd Swings to make a T-Intersection with Bradfordville Rd
- Welaunee Boulevard on Conservation Easement

Centerville Road Swing

Centerville Rd & Bradfordville Blvd

- T-Intersection
- Several Traffic Controls Analyzed
- Signalized
 - Shared Lane for all Approaches
- Roundabout
 - Shared Lane for all Approaches

	Approach	LOS (Delay (s))
		PM Peak Hour
Opening	Roberts Rd Westbound STOP	C (22.4)
	Overall Signalized	A (8.1)
	Overall Roundabout	A (6.6)
Design	Roberts Rd Westbound STOP	F (289.7)
	Overall Signalized	B (15.5)
	Overall Roundabout	A (9.8)



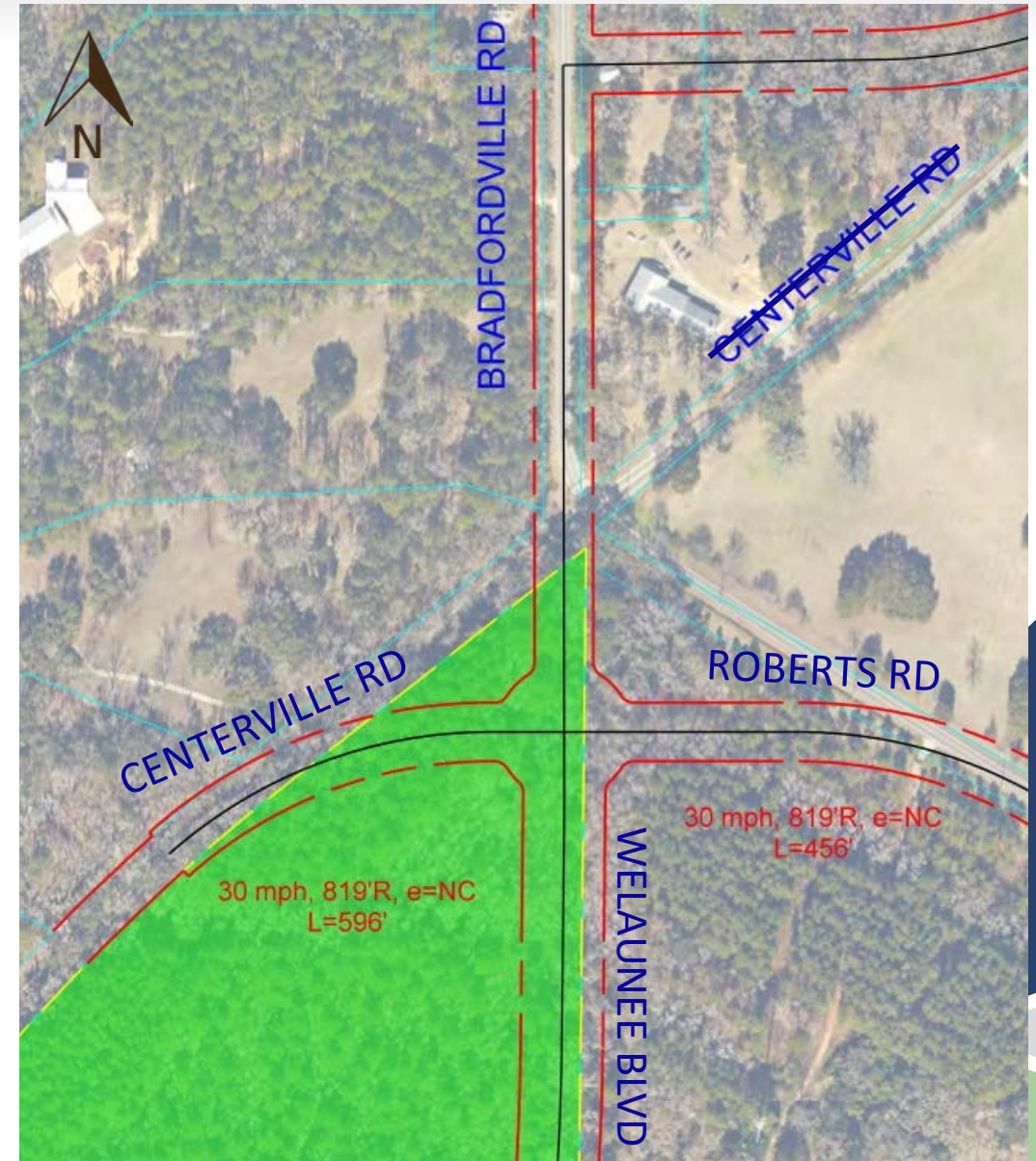
Centerville Road Swing - Signalized

20

Roberts Rd, Centerville Rd, Bradfordville Rd, & Welaunee Blvd

- 4-Leg Intersection
- Southbound (Bradfordville Rd)
 - 1—Dedicated Left-Turn Lane
 - 1—Dedicated Right-Turn Lane
- Northbound (Welaunee Blvd)
 - 1—Left-Turn Lane
 - Shared Through/Right-Turn Lane
- Eastbound (Centerville Rd) and Westbound (Roberts Rd)
 - Shared Lane

	Approach	LOS (Delay (s))
		PM Peak Hour
Opening	Overall Signalized	B (19.7)
Design	Overall Signalized	D (53.3)



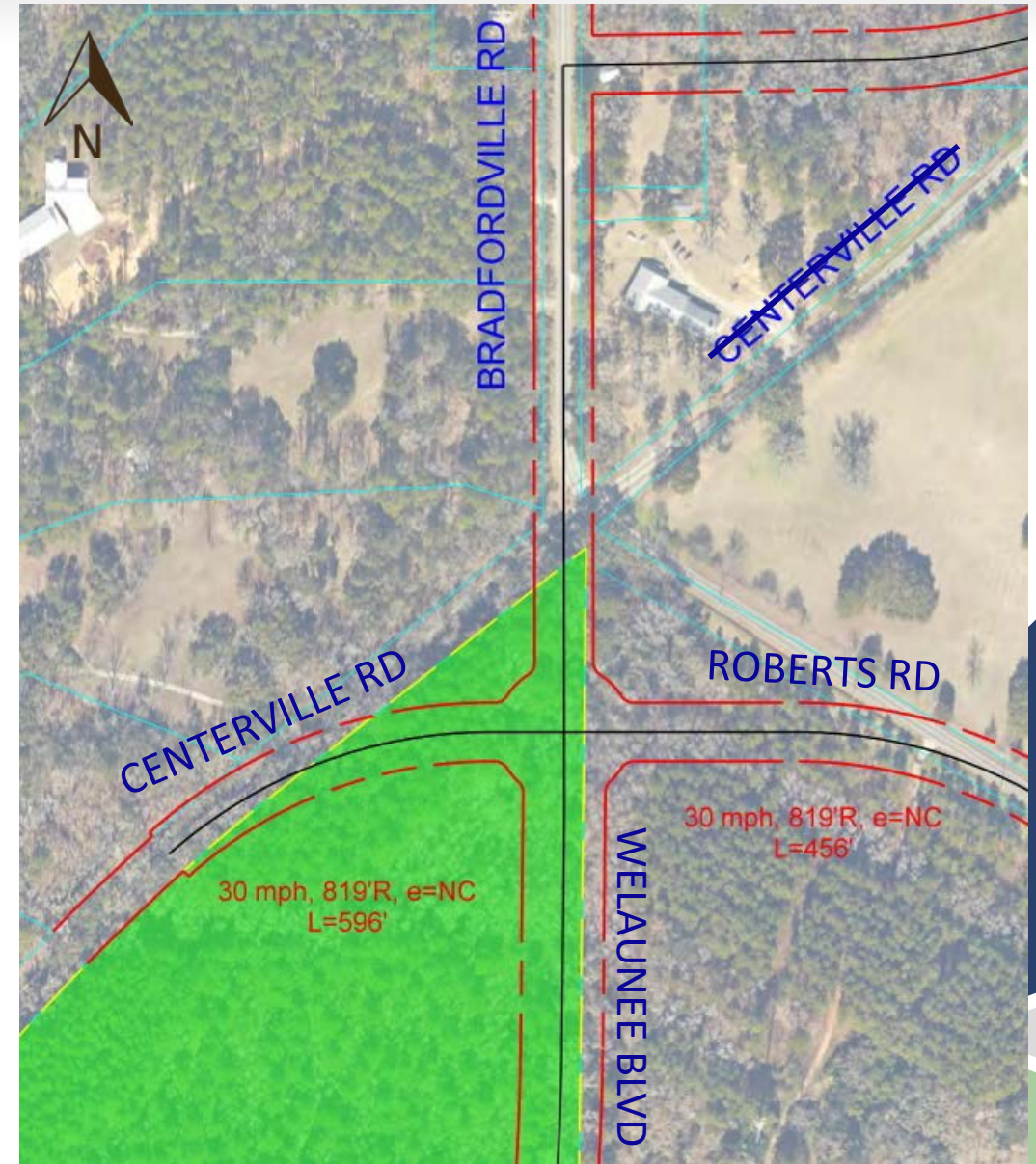
Centerville Road Swing - Roundabout

21

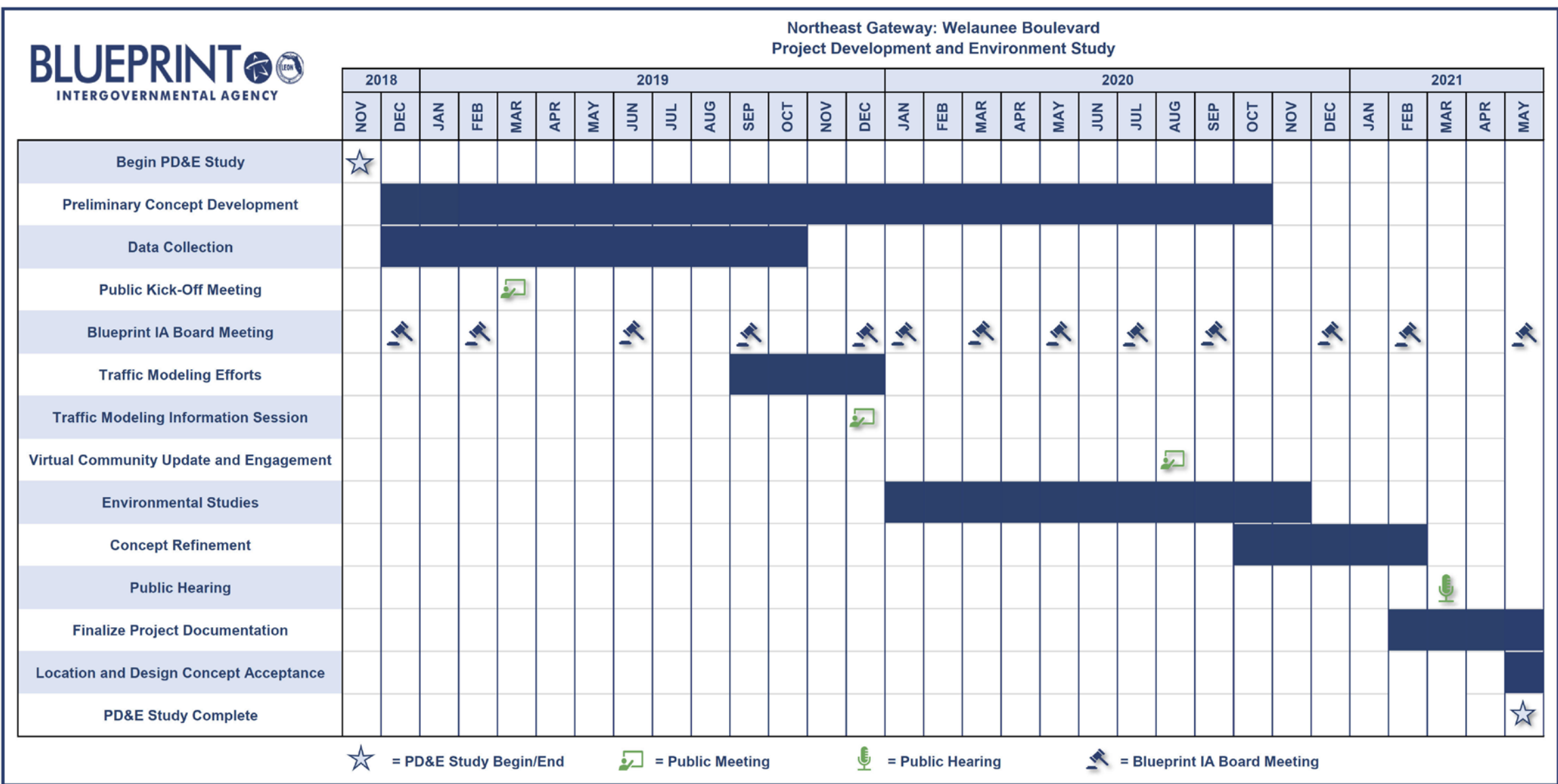
Roberts Rd, Centerville Rd, Bradfordville Rd, & Welaunee Blvd

- 4-Leg Intersection
- Welaunee Boulevard on Conservation Easement
- Shared Lane for all Approaches

	Approach	LOS (Delay (s))
		PM Peak Hour
Opening	Overall Roundabout	A (9.6)
Design	Overall Roundabout	C (23.0)



Project Schedule



Continue to Stay Engaged

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Future Community Engagement Opportunities

Public Hearing
Spring 2021

Stakeholder Focus Group Sessions
Ongoing

Other Informal Meetings & Briefings
Ongoing

Blueprint Intergovernmental Agency Board Meetings

December 10th, 2020

300 S. Adams St.

Tallahassee, FL 32301

3:00 p.m. – 6:00 p.m.

Updates posted to:
NEGateway.com

A decorative graphic on the left side of the slide, consisting of several overlapping, rounded triangular shapes in shades of blue, creating a star-like or floral pattern.

**Thank You For Your
Participation.**