

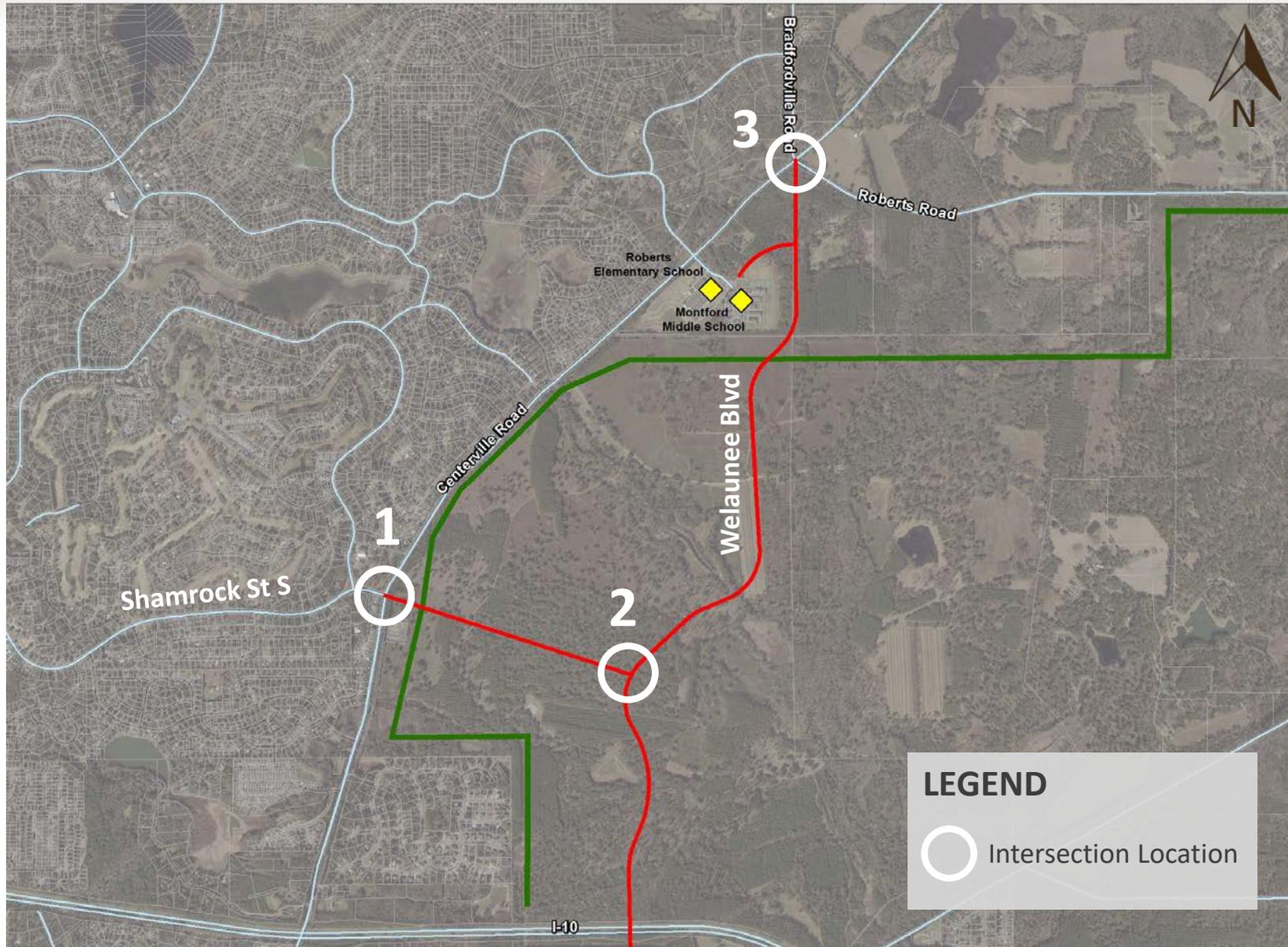
Intersections North of I-10

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

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

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

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

Existing

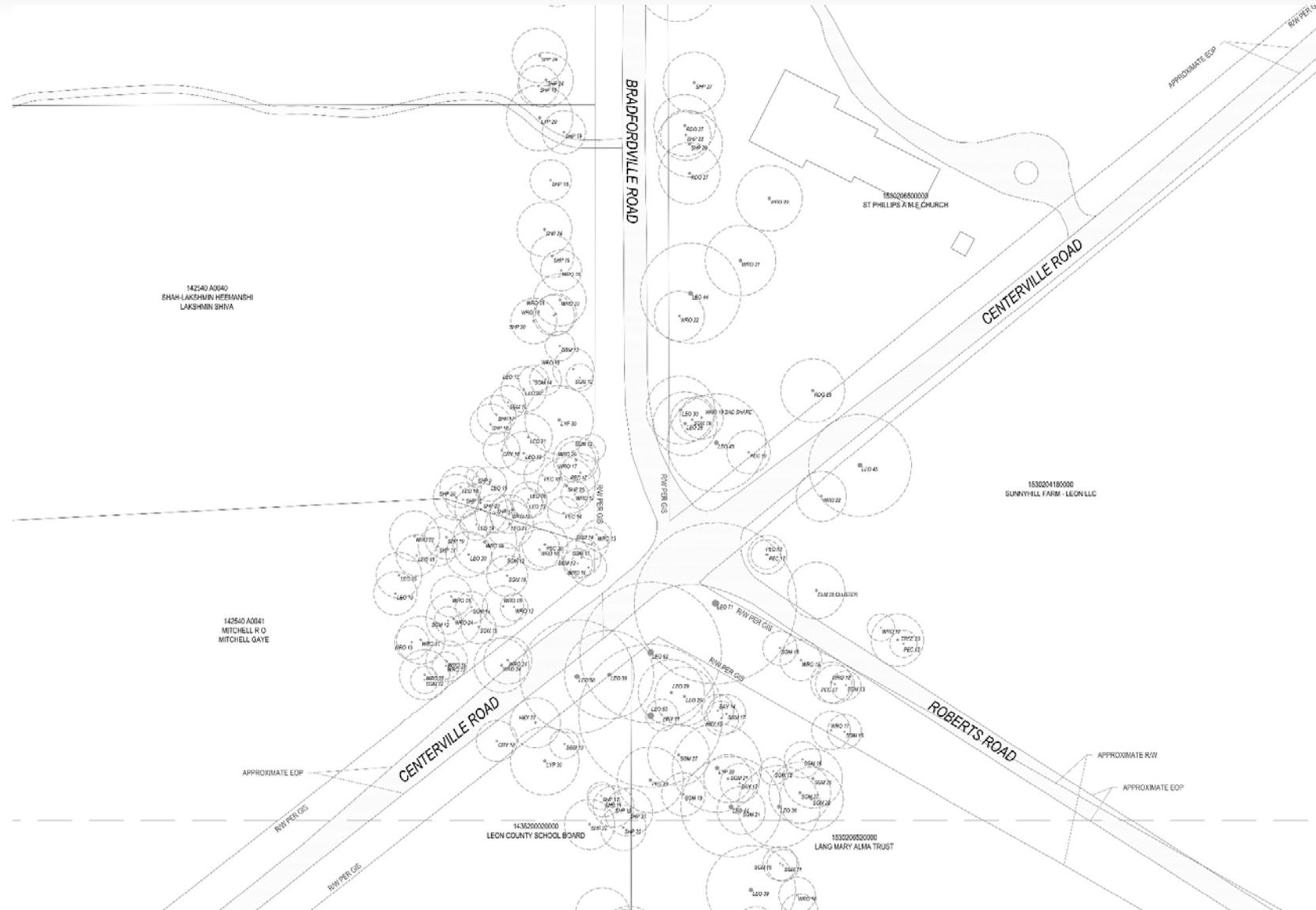
- Signalized 4-Leg Intersection
- Conservation Easement
- Church and Cemetery
- Additional Landowners
- Wetland and Floodplains

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



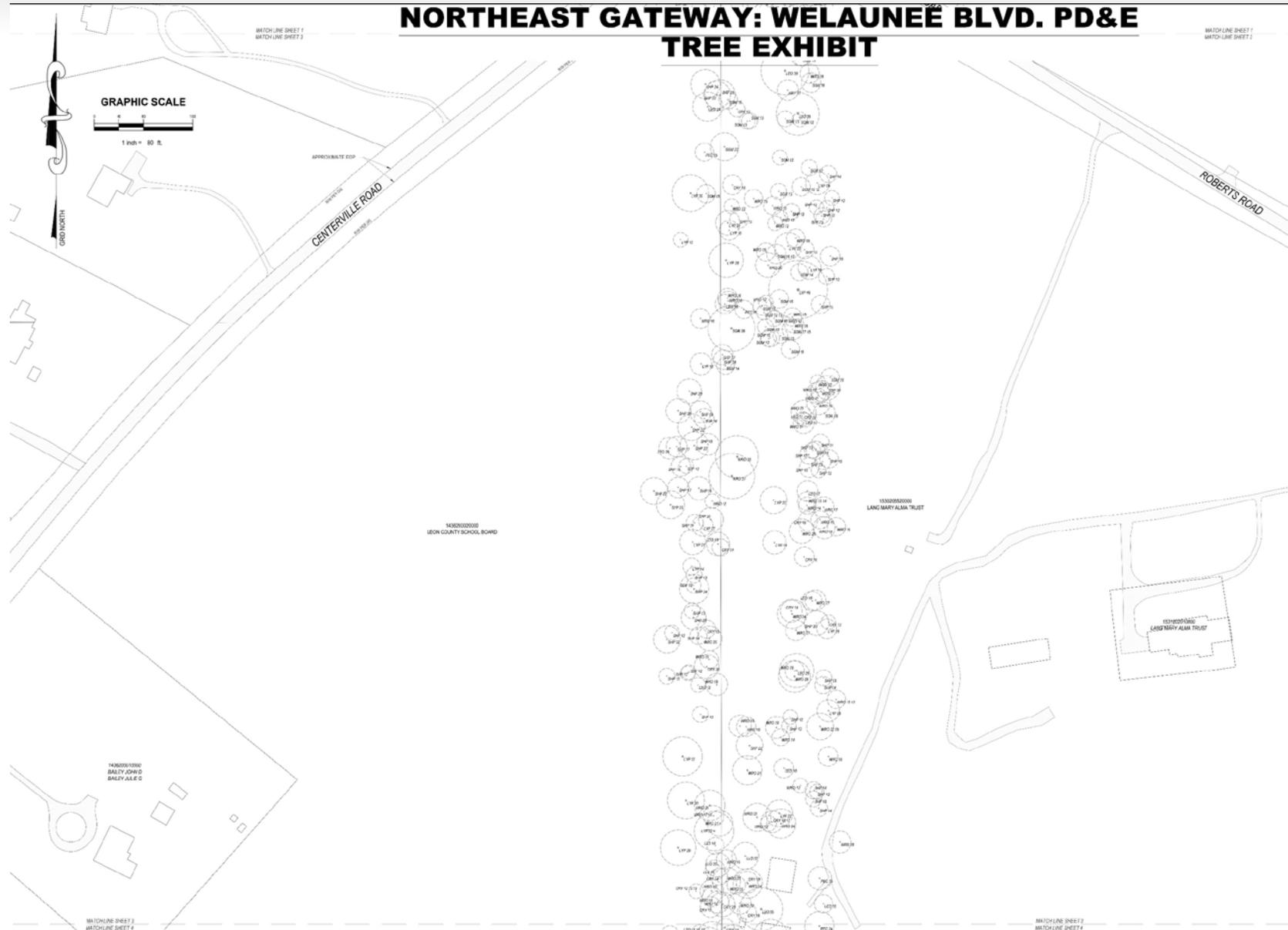
Bradfordville, Roberts, & Centerville Rd

Tree Survey

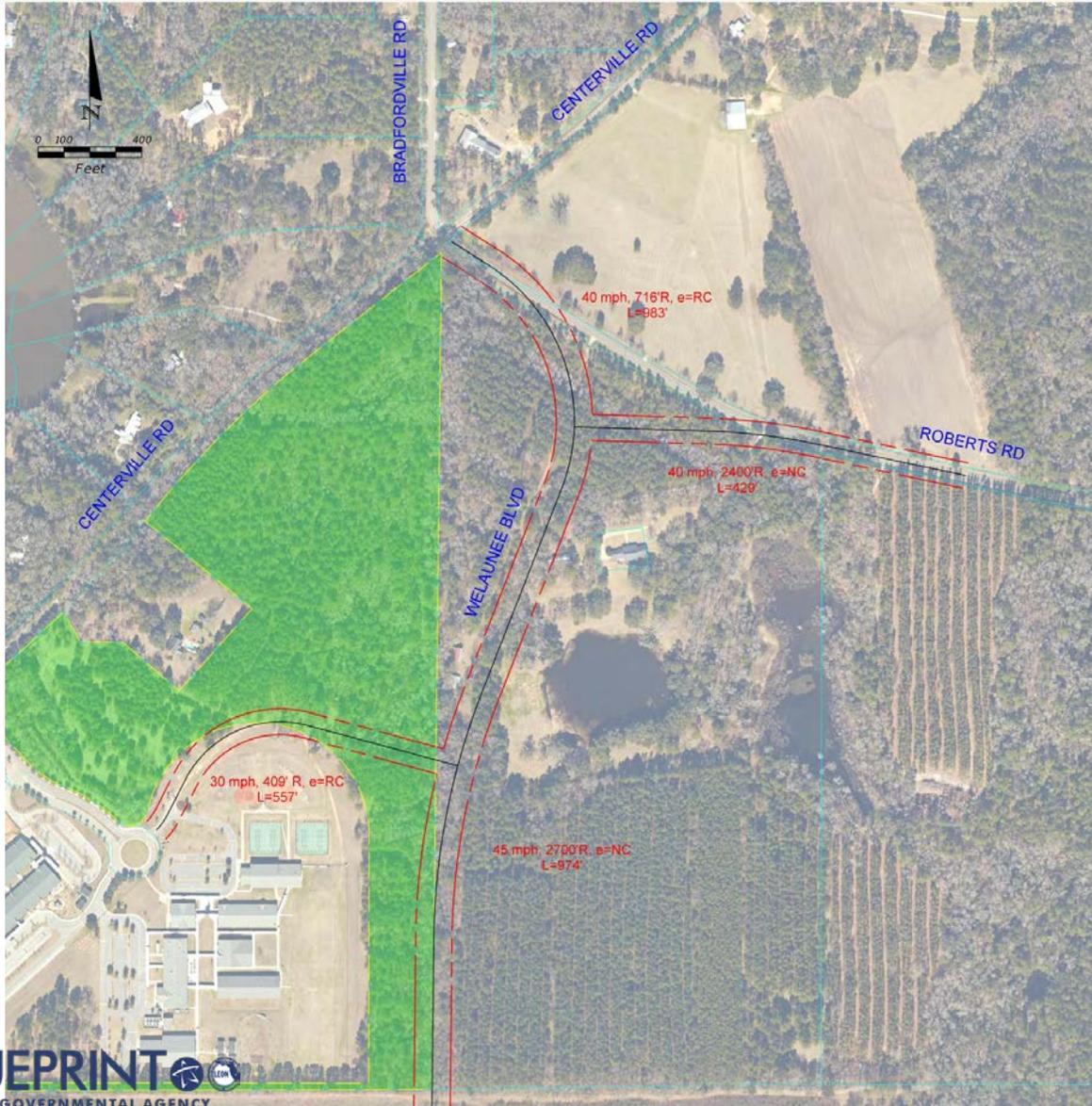


Bradfordville, Roberts, & Centerville Rd

Tree Survey



Roberts Road Swing - Overview



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

Roberts Road Swing

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

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)

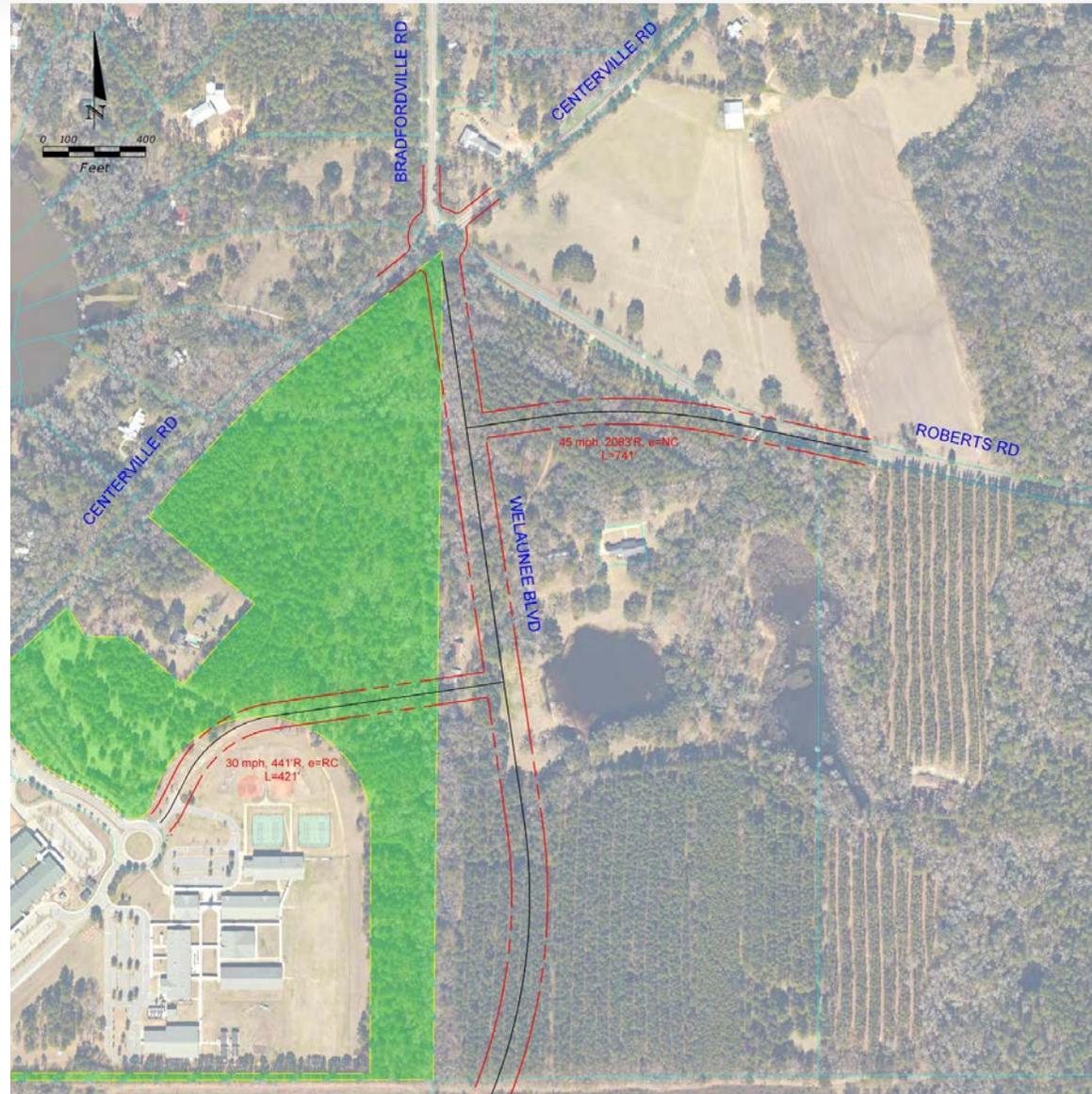


Roberts Road Swing - Roundabout

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

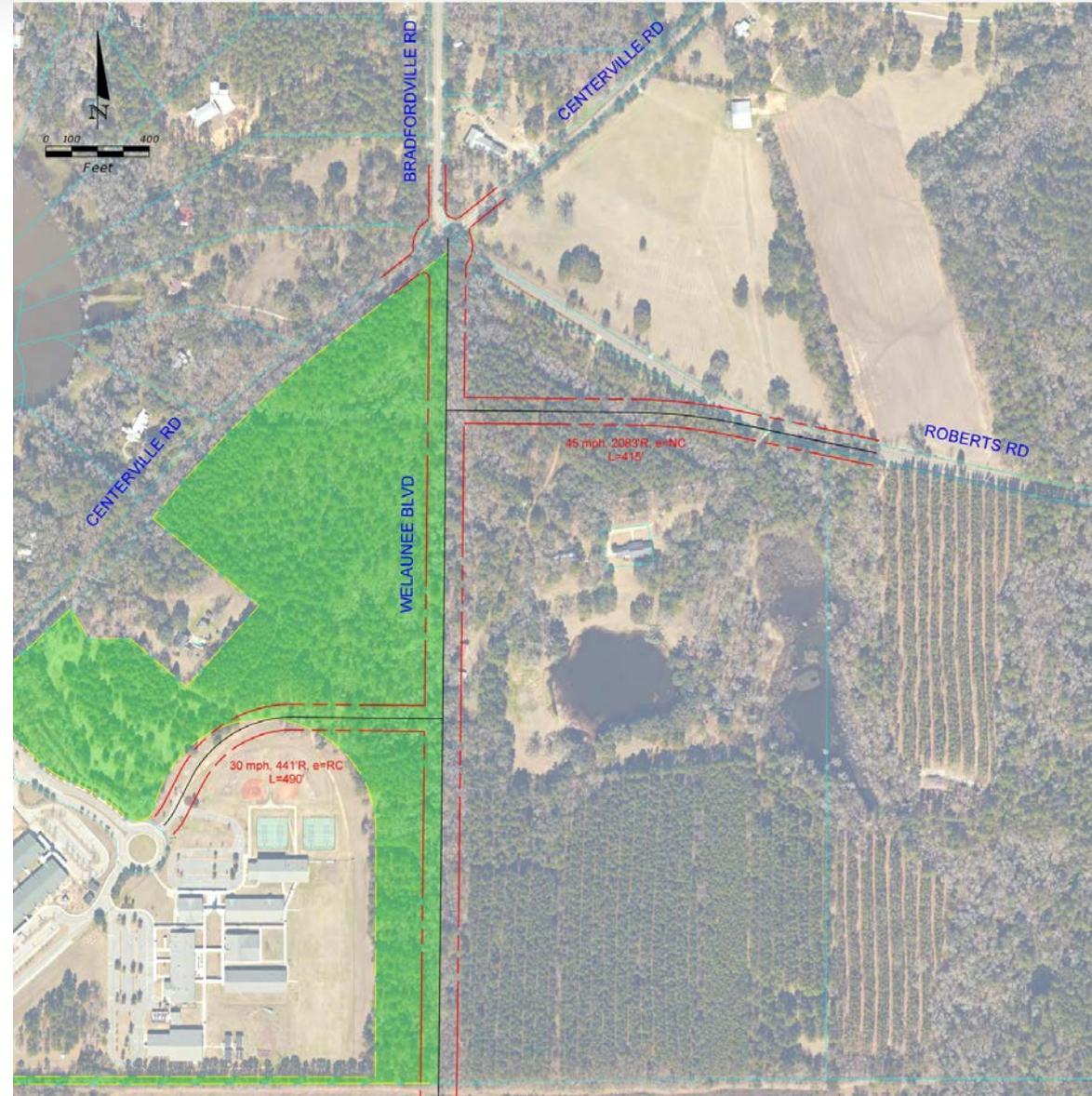
	Approach	LOS (Delay (s))
		PM Peak Hour
Opening	Overall Roundabout	A (9.8)
Design	Overall Roundabout	D (28.8)



Roberts Road Swing - Roundabout

Bradfordville Rd, Centerville Rd, & Welaunee Blvd

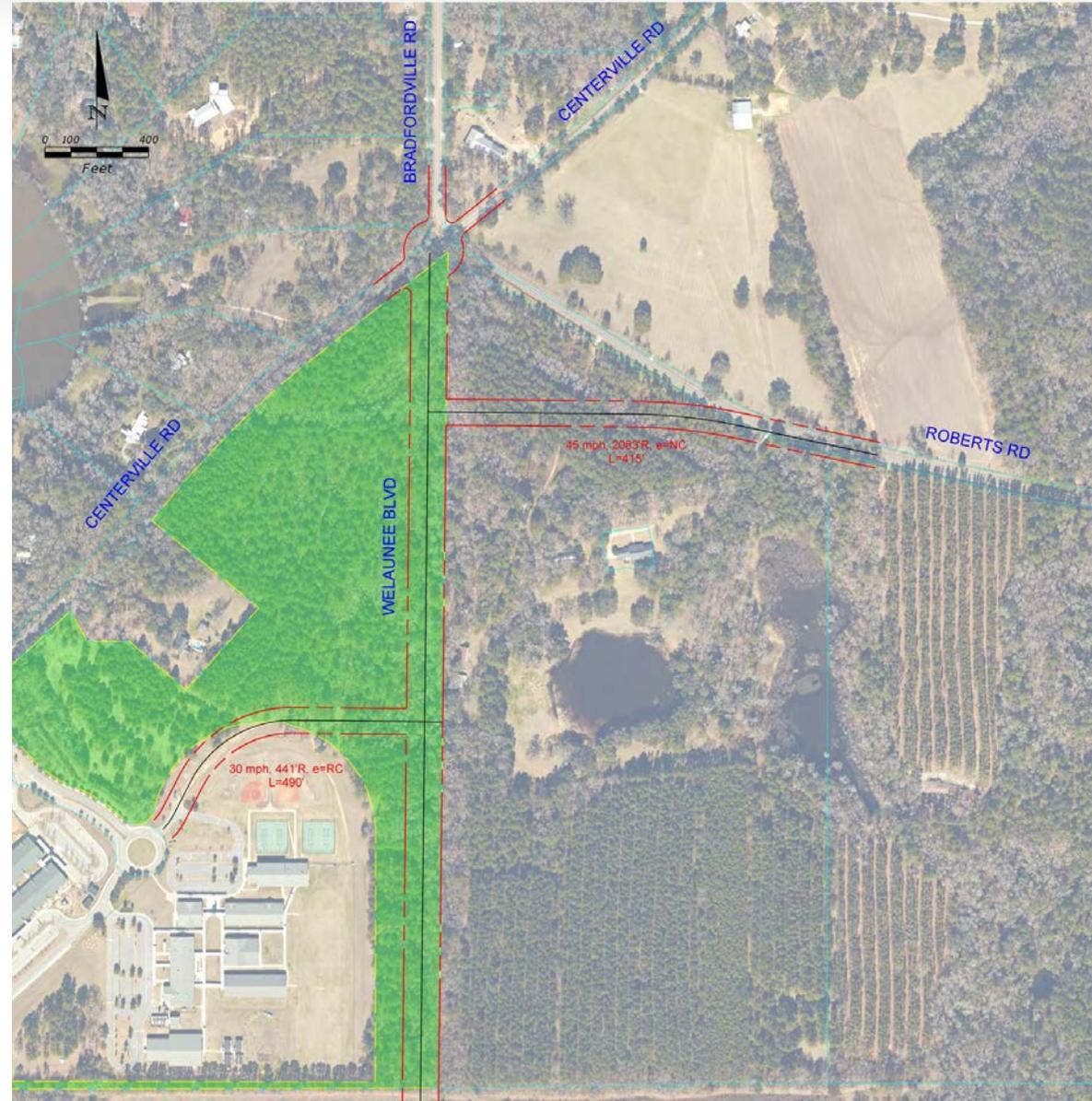
- 4-Leg Intersection
- Welaunee Boulevard partially on Lang Family property and Conservation Easement
- Acute Angle between Welaunee Blvd and Centerville Rd (Eastbound)



Roberts Road Swing - Roundabout

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



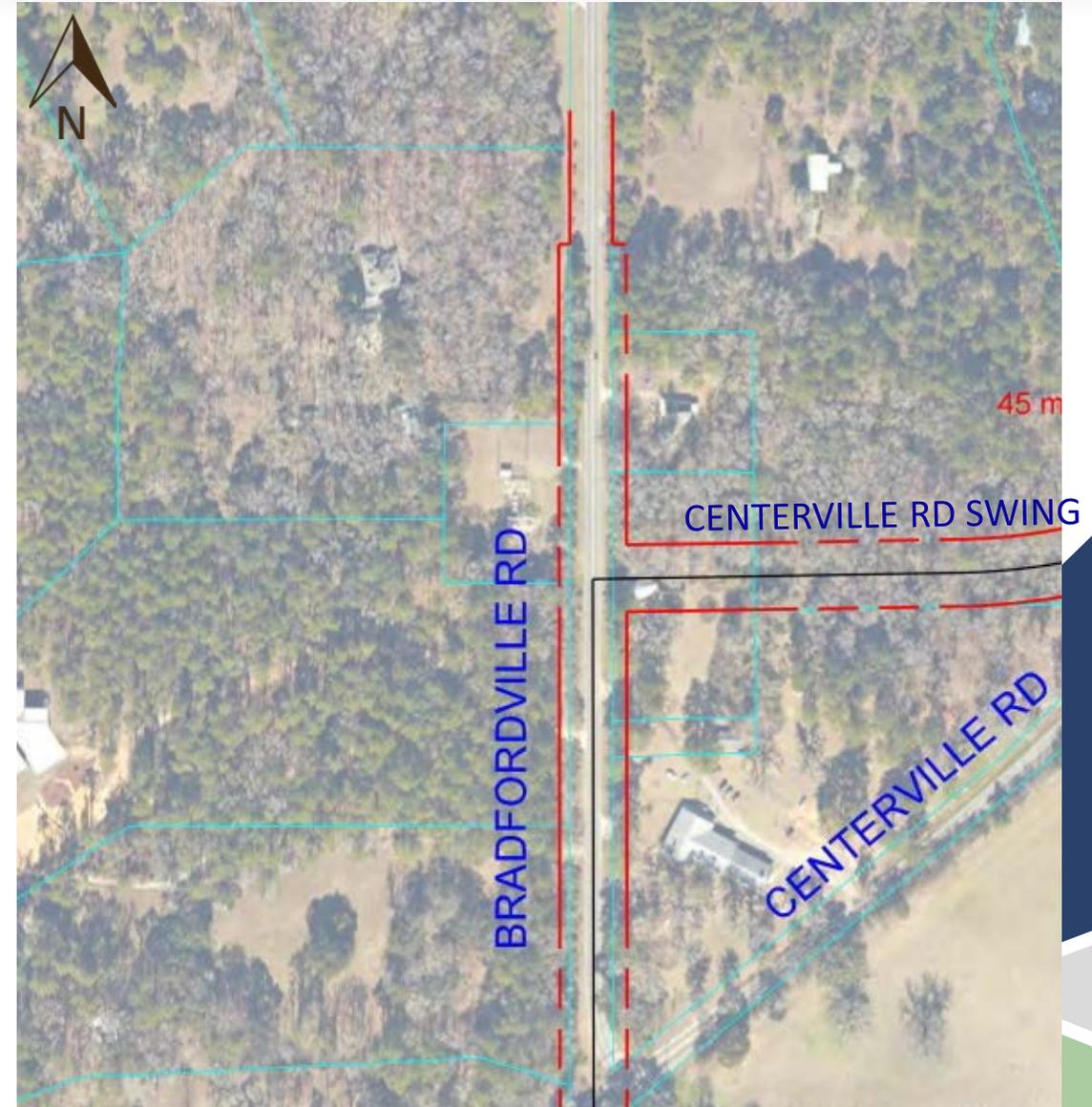
- 4-Leg Intersection
 - Bradfordville Rd
 - Welaunee Blvd
 - Centerville Rd
 - Roberts Rd
- Centerville Rd Swings to make a T-Intersection with Bradfordville Rd
- Welaunee Boulevard on Conservation Easement

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)

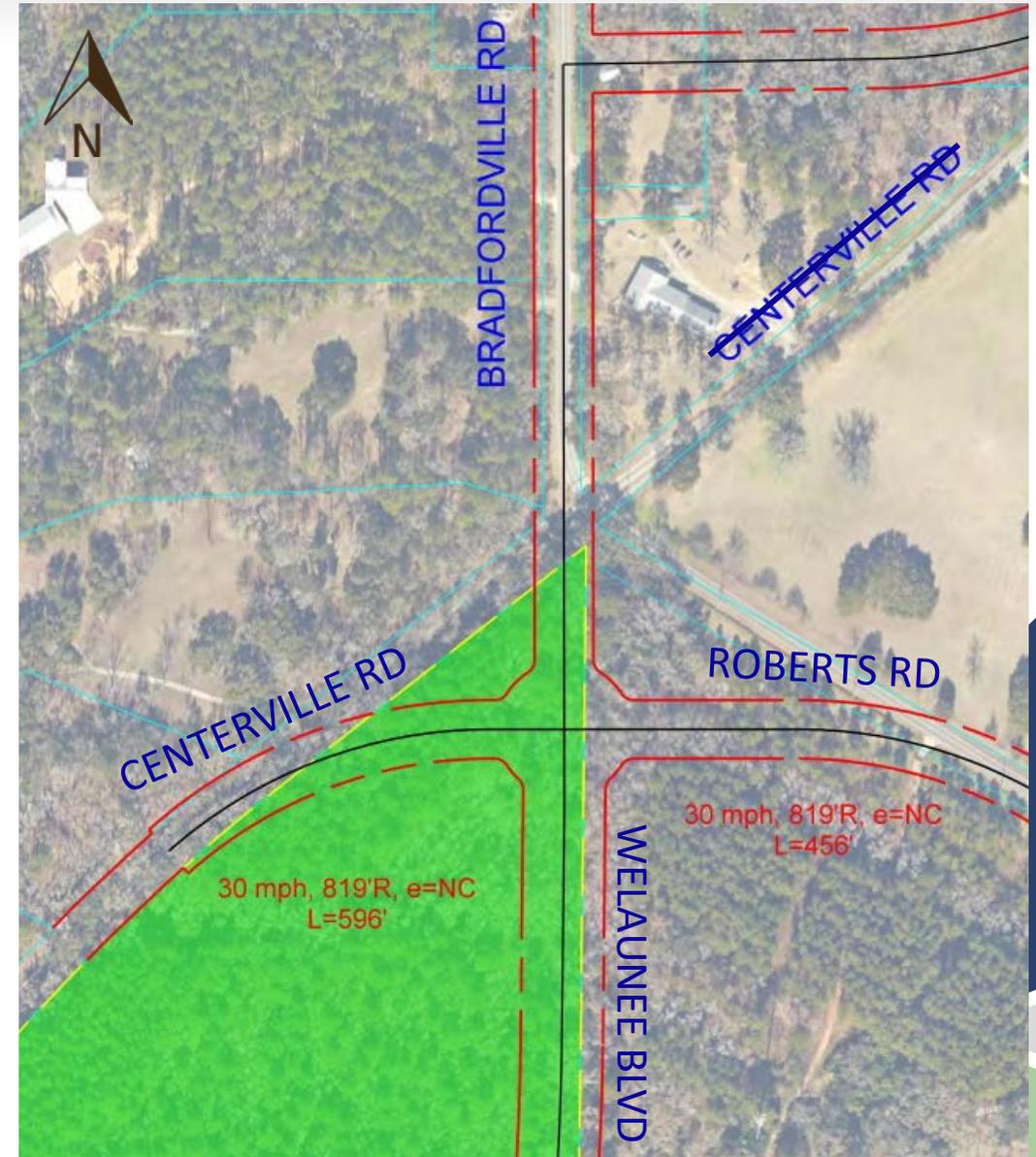


Centerville Road Swing - Signalized

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)

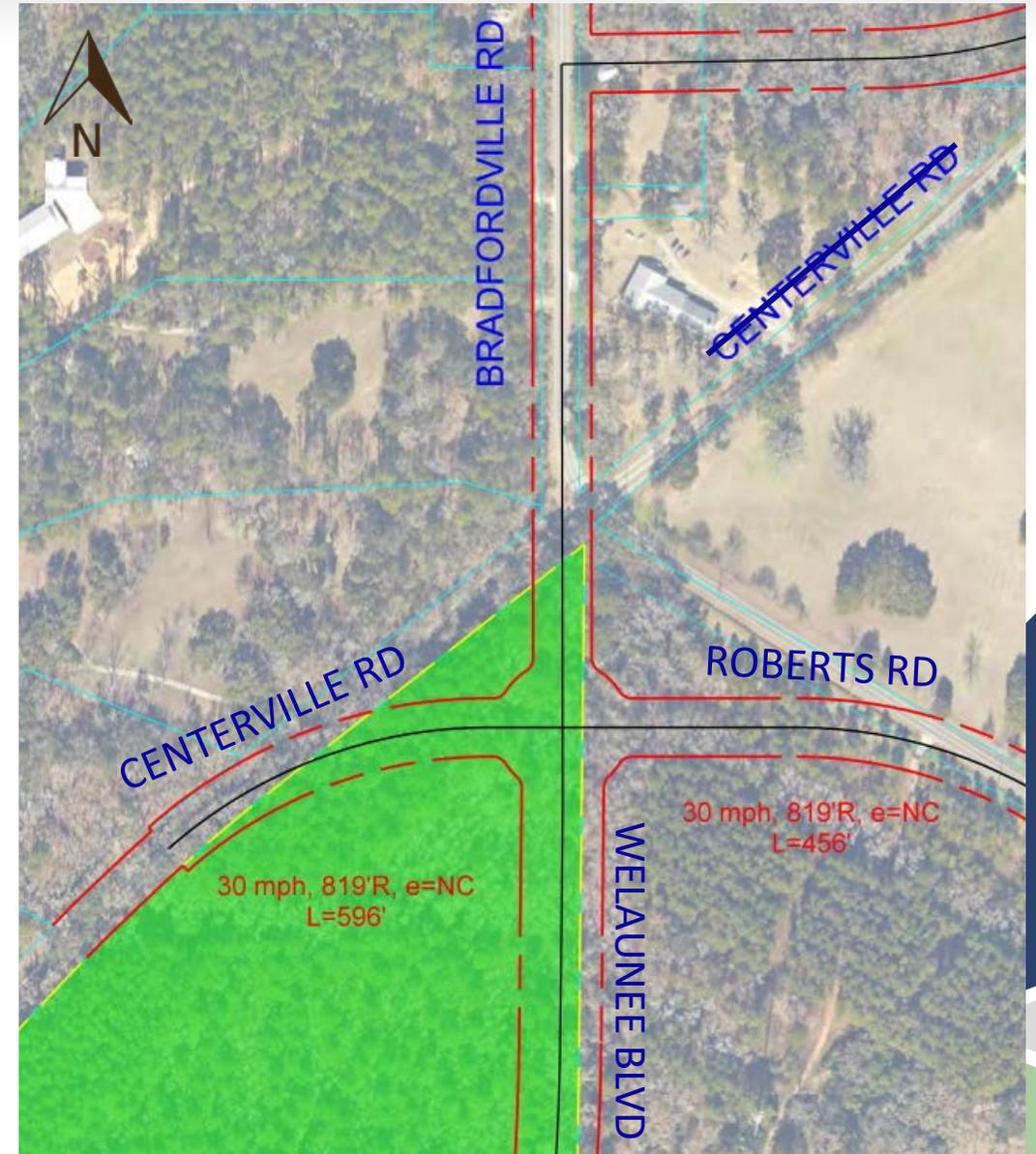


Centerville Road Swing - Roundabout

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



Northeast Gateway: Welaunee Boulevard Project Development and Environment Study

	2018		2019												2020												2021					
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	
Begin PD&E Study	☆																															
Preliminary Concept Development																																
Data Collection																																
Public Kick-Off Meeting																																
Blueprint IA Board Meeting																																
Traffic Modeling Efforts																																
Traffic Modeling Information Session																																
Virtual Community Update and Engagement																																
Environmental Studies																																
Concept Refinement																																
Public Hearing																																
Finalize Project Documentation																																
Location and Design Concept Acceptance																																
PD&E Study Complete																																

☆ = PD&E Study Begin/End 🗨️ = Public Meeting 🎤 = Public Hearing ⚖️ = Blueprint IA Board Meeting

Continue to Stay Engaged

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



**Thank You For Your
Participation.**