



# Welcome S.R. 44 at Kepler Road Roundabout Open House

Financial Project Identification (FPID) No.: 431922-1





## INTRODUCTION

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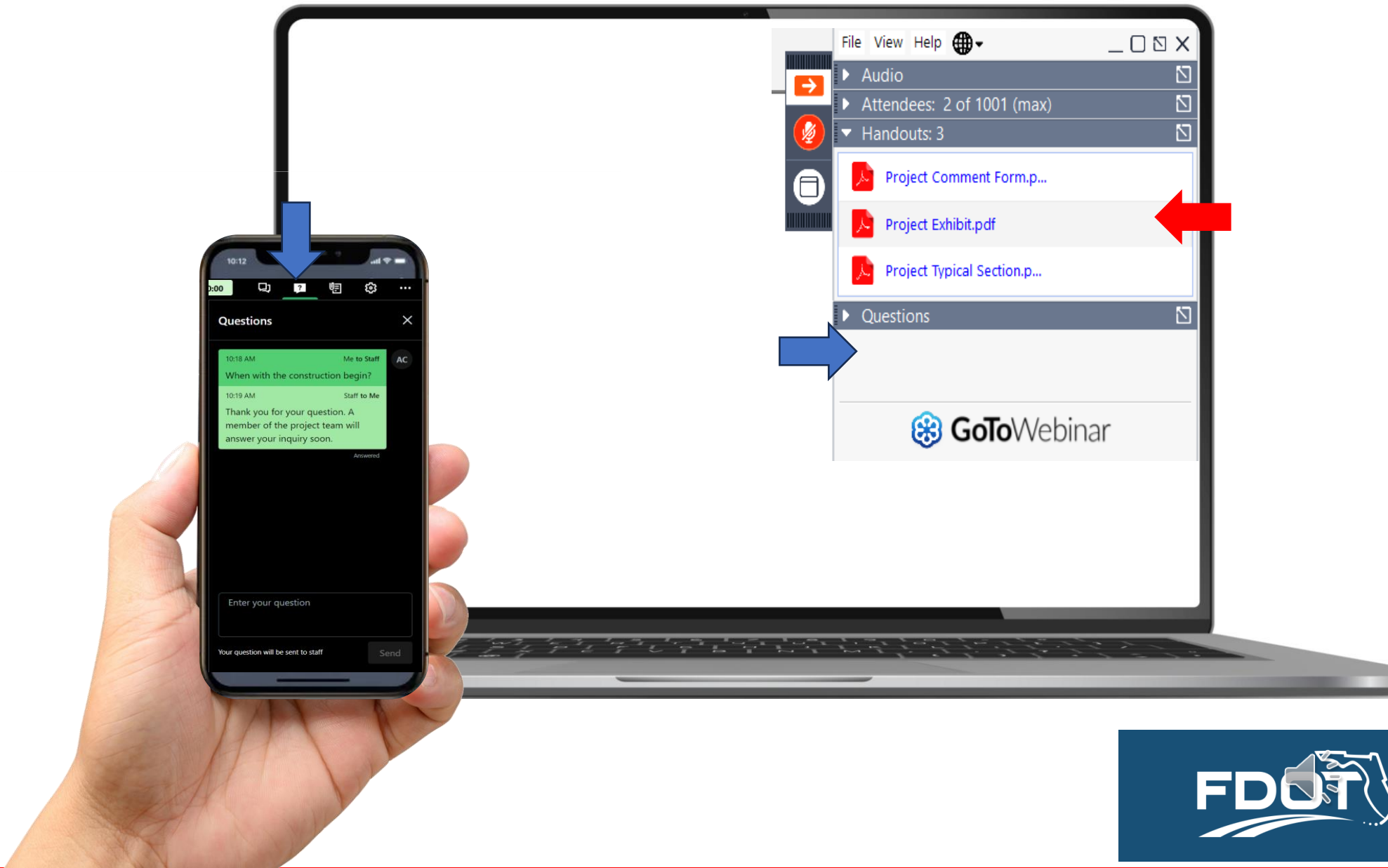
# ABOUT THIS MEETING



[www.CFLRoads.com/project/431922-1](http://www.CFLRoads.com/project/431922-1)



# USING GOTOWEBINAR





# TECHNICAL SUPPORT



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Nancy.Ortega@exp.com



Call  
305-341-8602



# TITLE VI COMPLIANCE

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

Melissa McKinney  
District Five Title VI Coordinator  
719 S. Woodland Blvd., MS 501  
DeLand, FL 32720-6834  
386-943-5077  
[Melissa.McKinney@dot.state.fl.us](mailto:Melissa.McKinney@dot.state.fl.us)

Stefan Kulakowski  
State Title VI Coordinator  
605 Suwannee St., MS 65  
Tallahassee, FL 32399-0450  
850-414-4742  
[Stefan.Kulakowski@dot.state.fl.us](mailto:Stefan.Kulakowski@dot.state.fl.us)

*All inquiries will be handled in a prompt and courteous manner.*





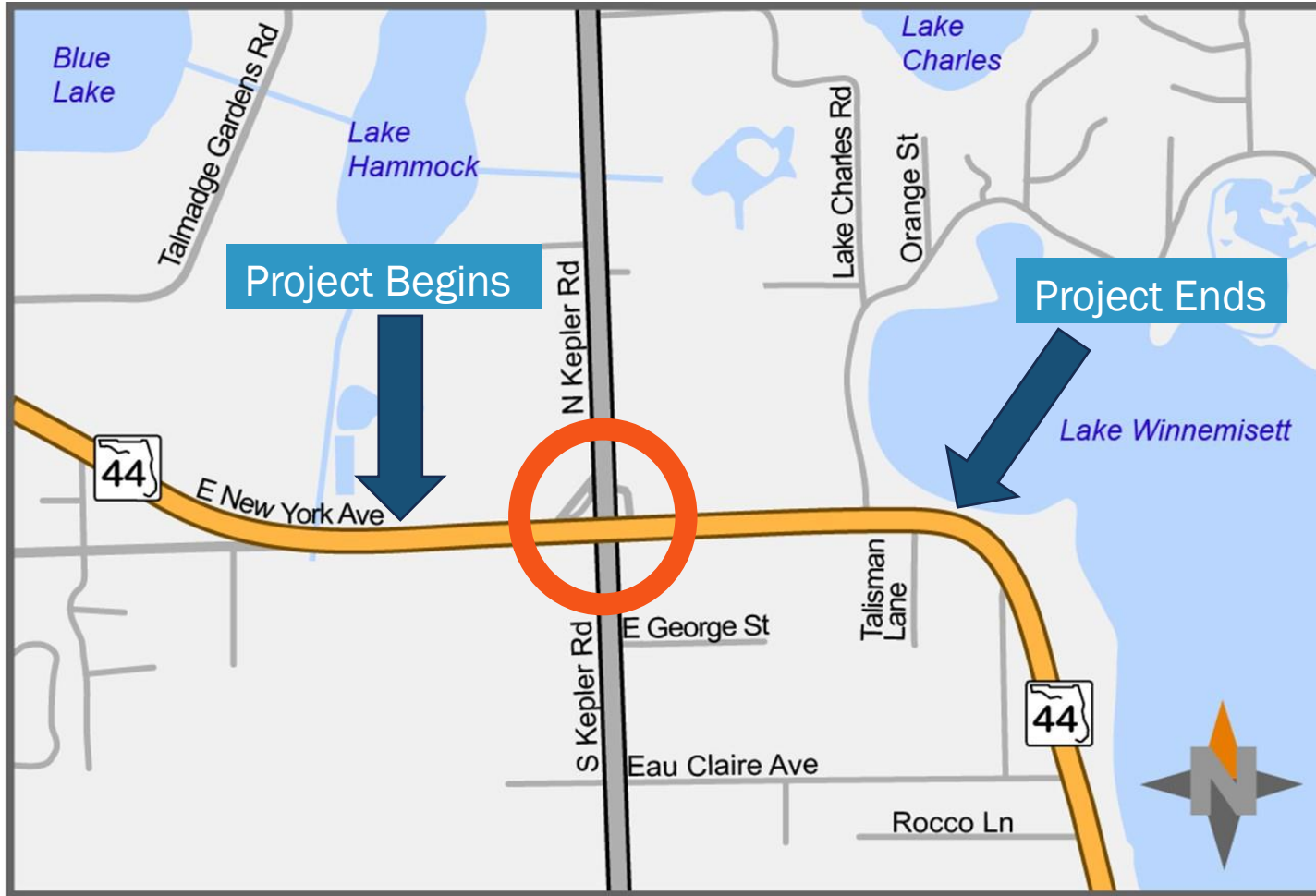
# AGENDA

- Provide a project overview
- Provide a schedule update
- Provide an opportunity to speak with project staff





# PROJECT BACKGROUND



- Location:  
State Road (S.R.) 44 from west of Kepler Road to east of Talisman Lane, Volusia County
- Purpose:  
Improve operations and enhance safety at the intersection of S.R. 44 and Kepler Road



# EXISTING SIGNALIZED INTERSECTION

- S.R. 44 – one lane in each direction with turn lanes at the intersection
- Kepler Road – one lane in each direction with turn lanes at the intersection
- Outside paved shoulders





# EXISTING SIGNALIZED INTERSECTION

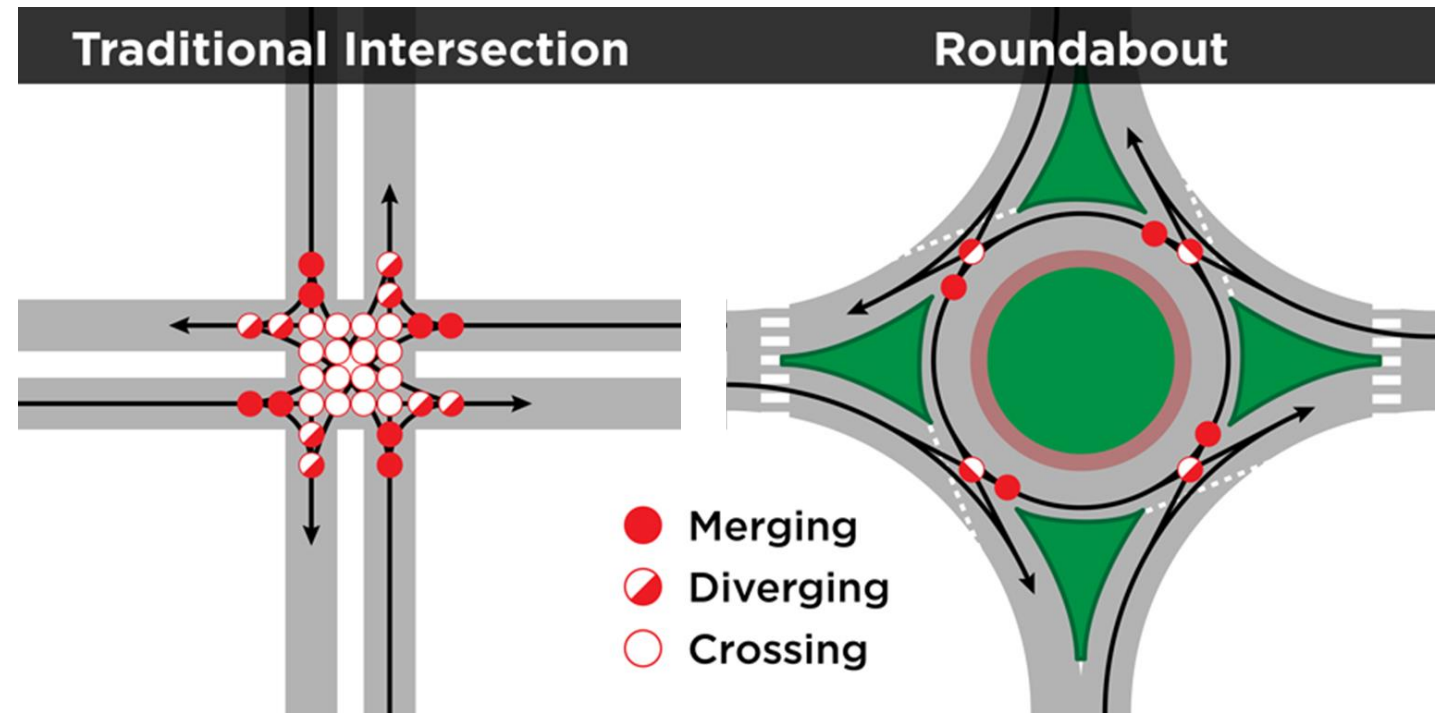


During Morning Rush Hour



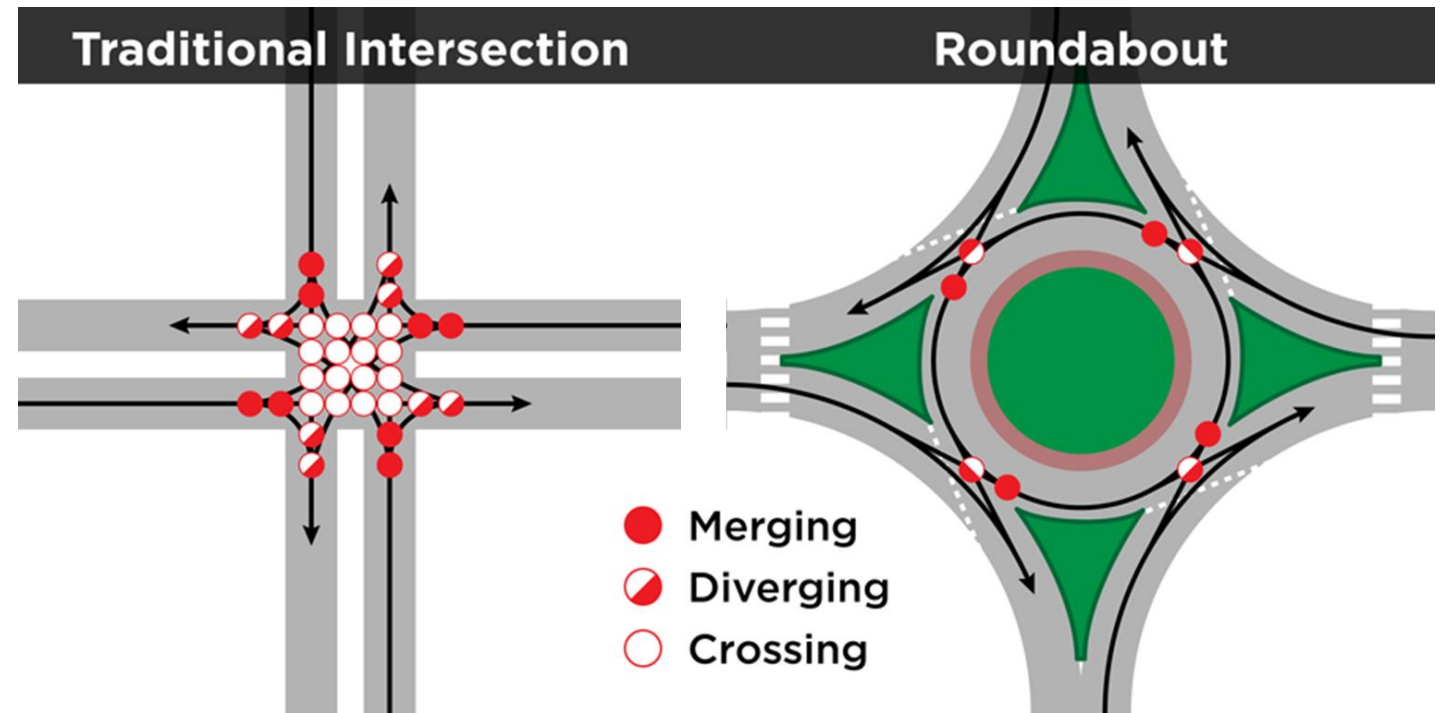
# ROUNDAABOUT SAFETY BENEFITS

- Fewer severe crashes – 78% to 82% reduction in fatalities and serious injuries
- Up to 40% fewer pedestrian/bicycle crashes



# ROUNDAABOUT SAFETY BENEFITS

- Reduces intersection conflict points from 32 to 8 in the intersection (a 75% reduction)
- Slower speeds – drivers have more time to judge and react to other users



# TRAFFIC FLOW IMPROVEMENTS

- Roundabouts maintain efficient traffic flow
- Studies have shown that roundabouts can reduce traffic delays by about 20%
- 30% to 50% increase in traffic capacity for an intersection = less delays while waiting at stops and signals



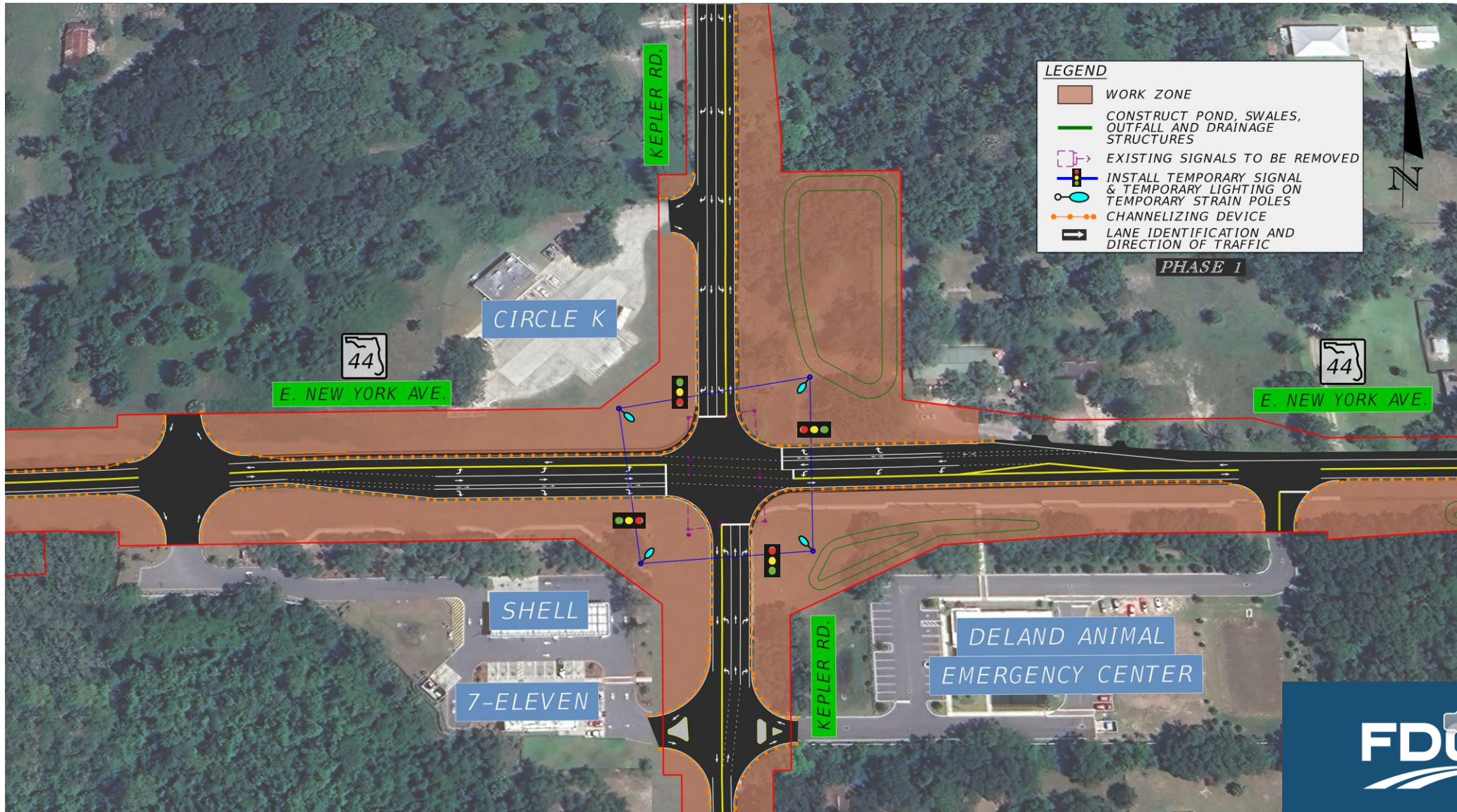


# WHAT TO EXPECT DURING CONSTRUCTION

- Construction began on June 22
- No detours; all travel and turn lanes will be open to traffic for all phases
- Traffic shifts will be utilized to maintain traffic flow
- Intermittent lane closures for both S.R. 44 and Kepler Road limited to 7:30 p.m. to 7 a.m.
- Access to businesses and residences will be maintained
- Posted speed limit to remain at 45 mph
- Temporary traffic signals and street lighting will be used
- The construction schedule is subject to change



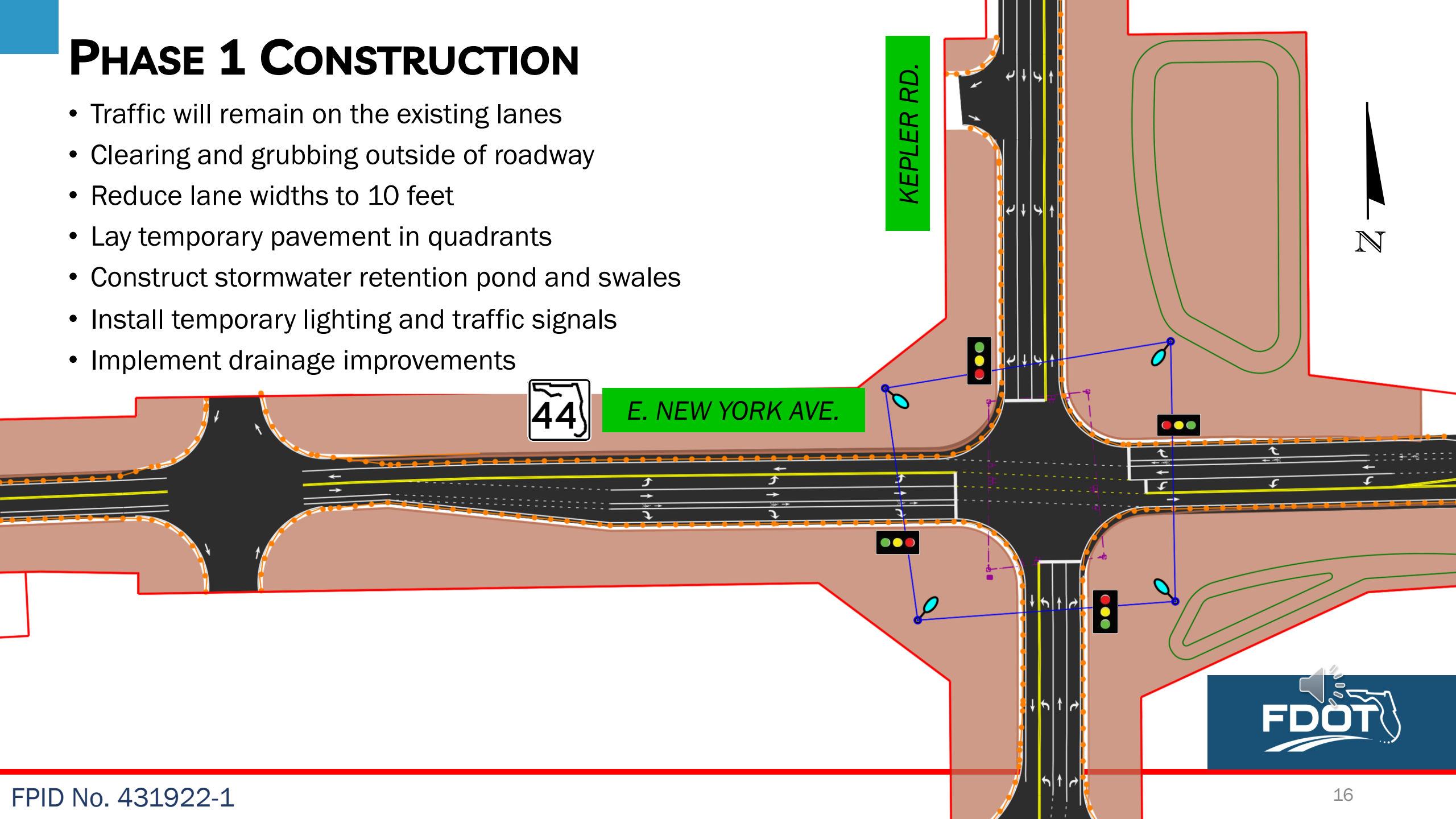
# PHASE 1 CONSTRUCTION



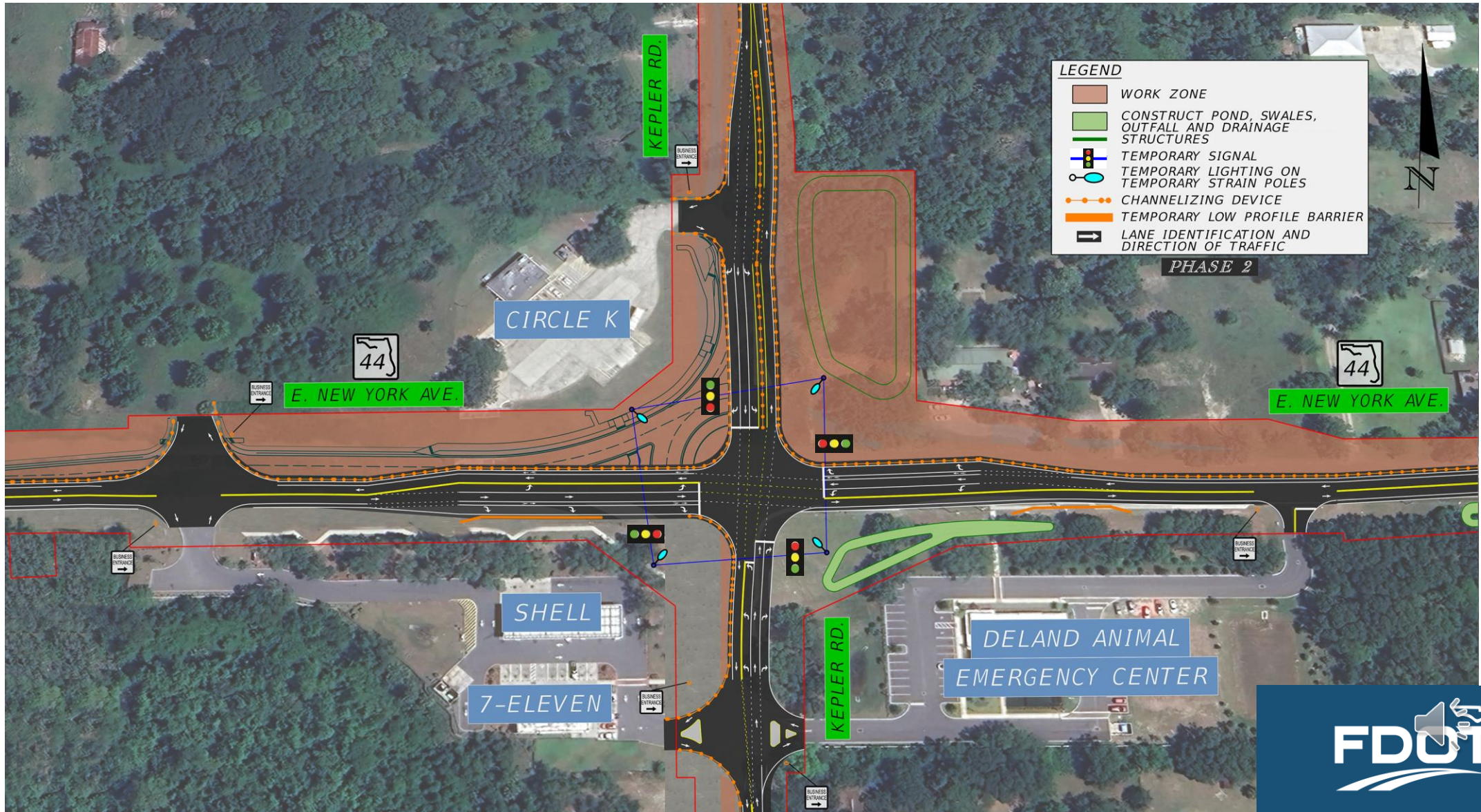


# PHASE 1 CONSTRUCTION

- Traffic will remain on the existing lanes
- Clearing and grubbing outside of roadway
- Reduce lane widths to 10 feet
- Lay temporary pavement in quadrants
- Construct stormwater retention pond and swales
- Install temporary lighting and traffic signals
- Implement drainage improvements



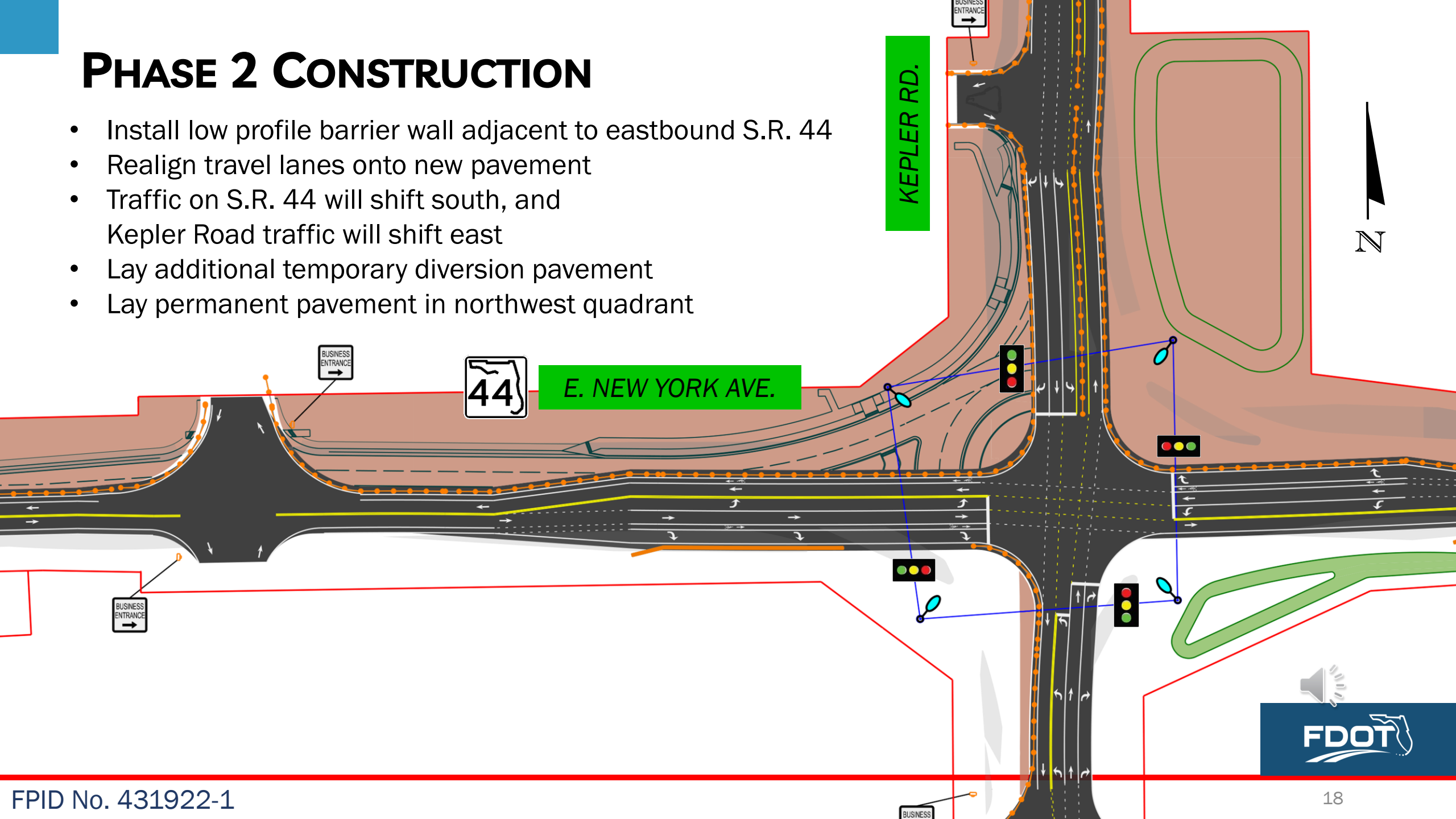
# PHASE 2 CONSTRUCTION





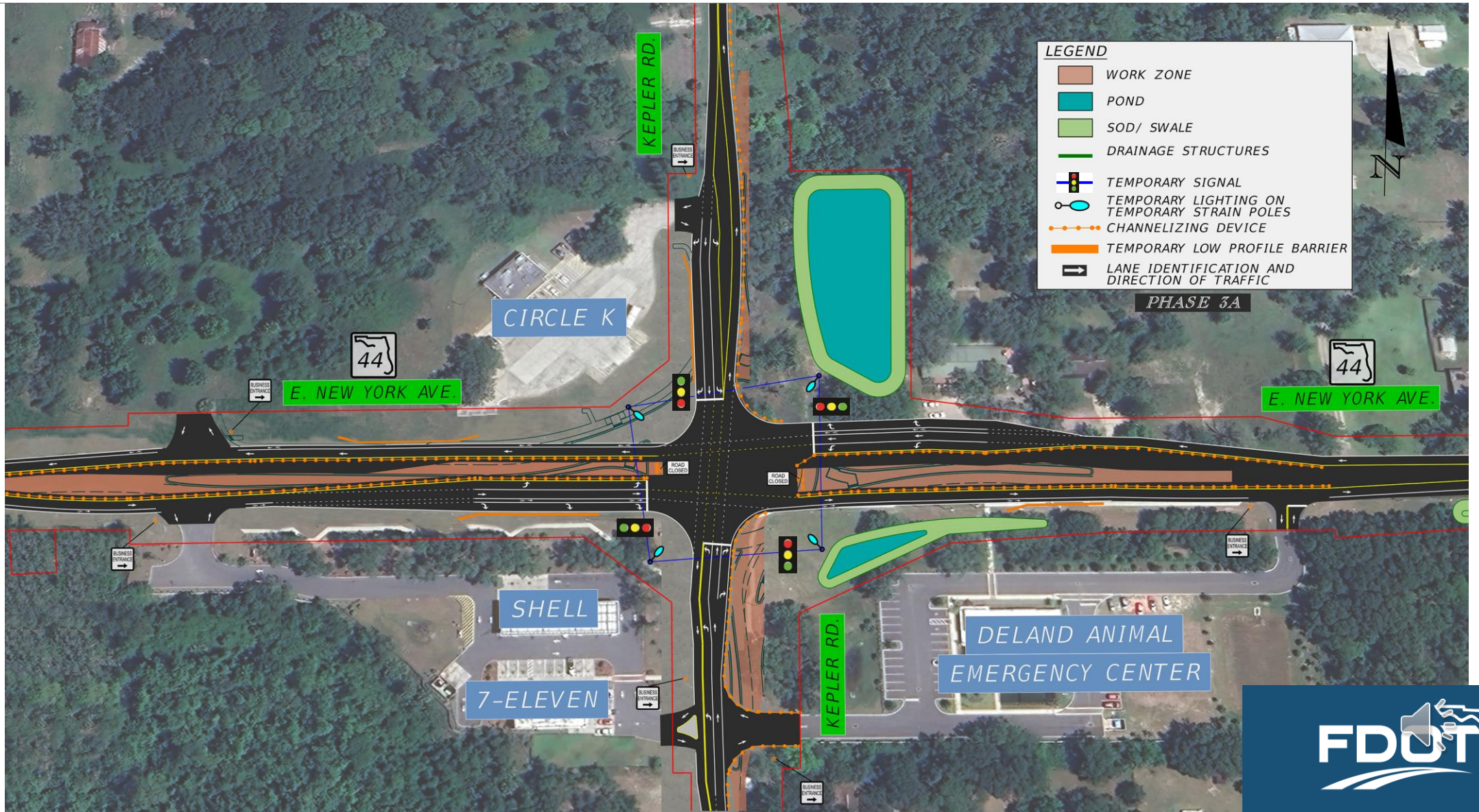
# PHASE 2 CONSTRUCTION

- Install low profile barrier wall adjacent to eastbound S.R. 44
- Realign travel lanes onto new pavement
- Traffic on S.R. 44 will shift south, and Kepler Road traffic will shift east
- Lay additional temporary diversion pavement
- Lay permanent pavement in northwest quadrant





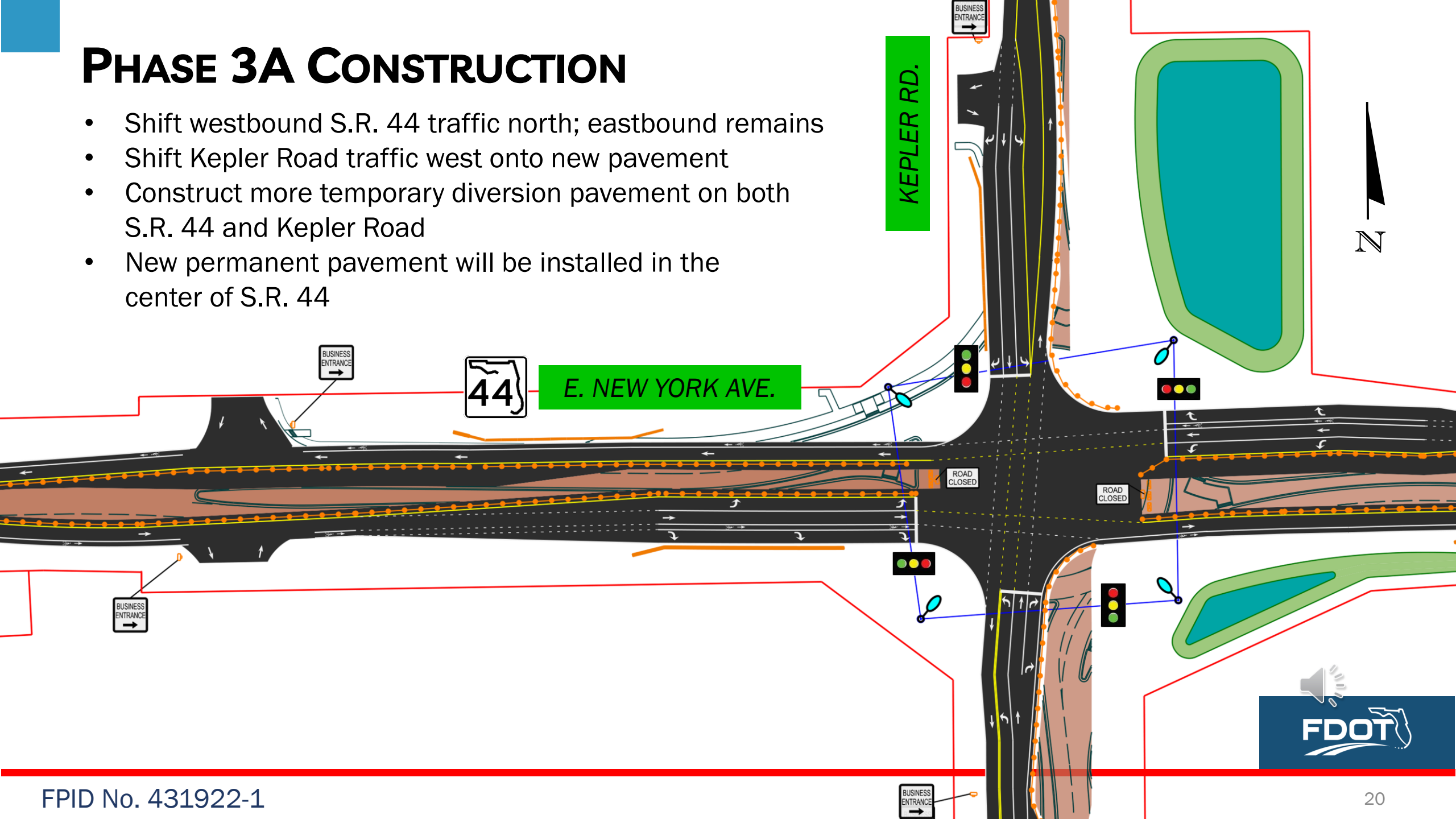
# PHASE 3A CONSTRUCTION





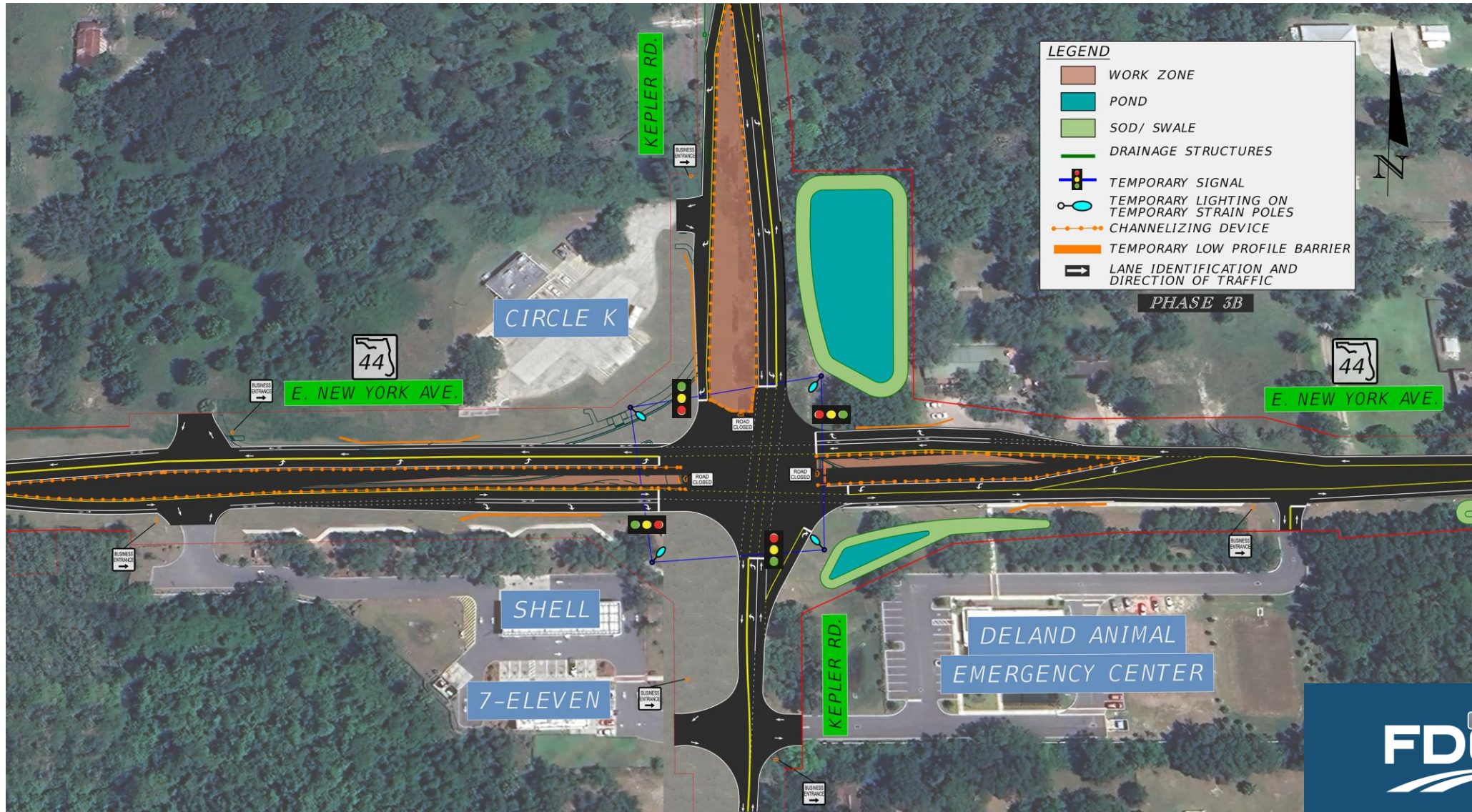
# PHASE 3A CONSTRUCTION

- Shift westbound S.R. 44 traffic north; eastbound remains
- Shift Kepler Road traffic west onto new pavement
- Construct more temporary diversion pavement on both S.R. 44 and Kepler Road
- New permanent pavement will be installed in the center of S.R. 44



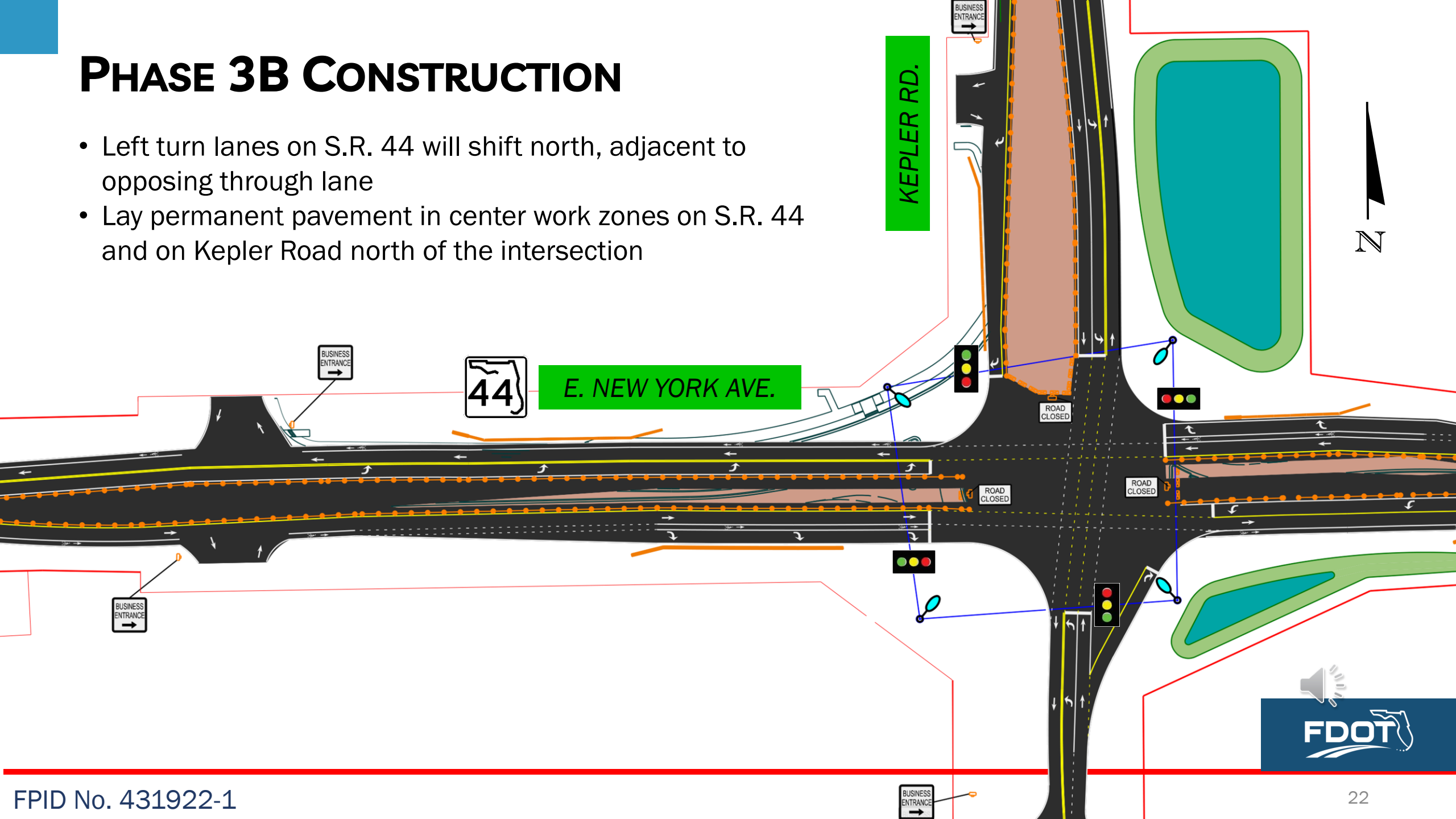


# PHASE 3B CONSTRUCTION



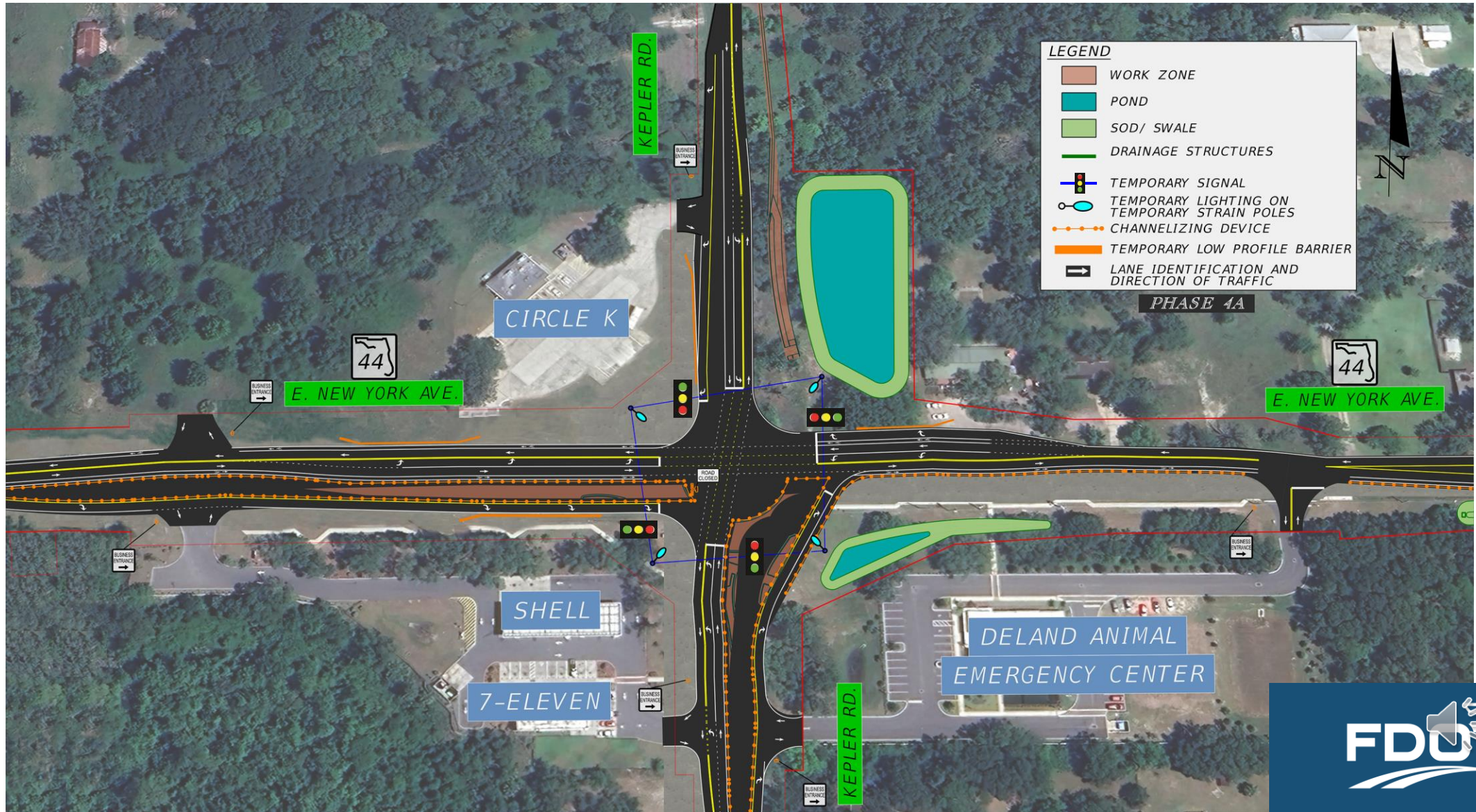
# PHASE 3B CONSTRUCTION

- Left turn lanes on S.R. 44 will shift north, adjacent to opposing through lane
- Lay permanent pavement in center work zones on S.R. 44 and on Kepler Road north of the intersection





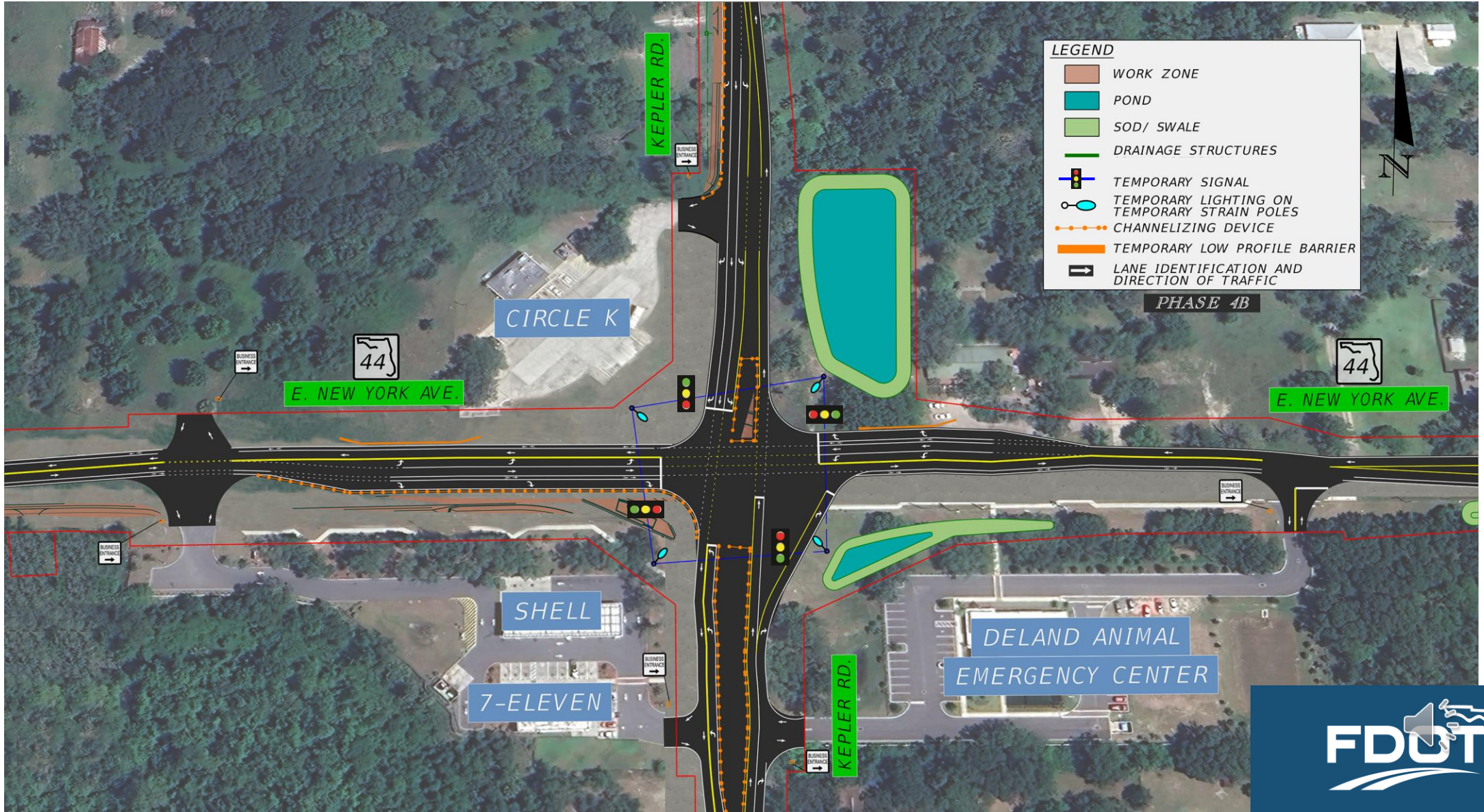
# PHASE 4A CONSTRUCTION







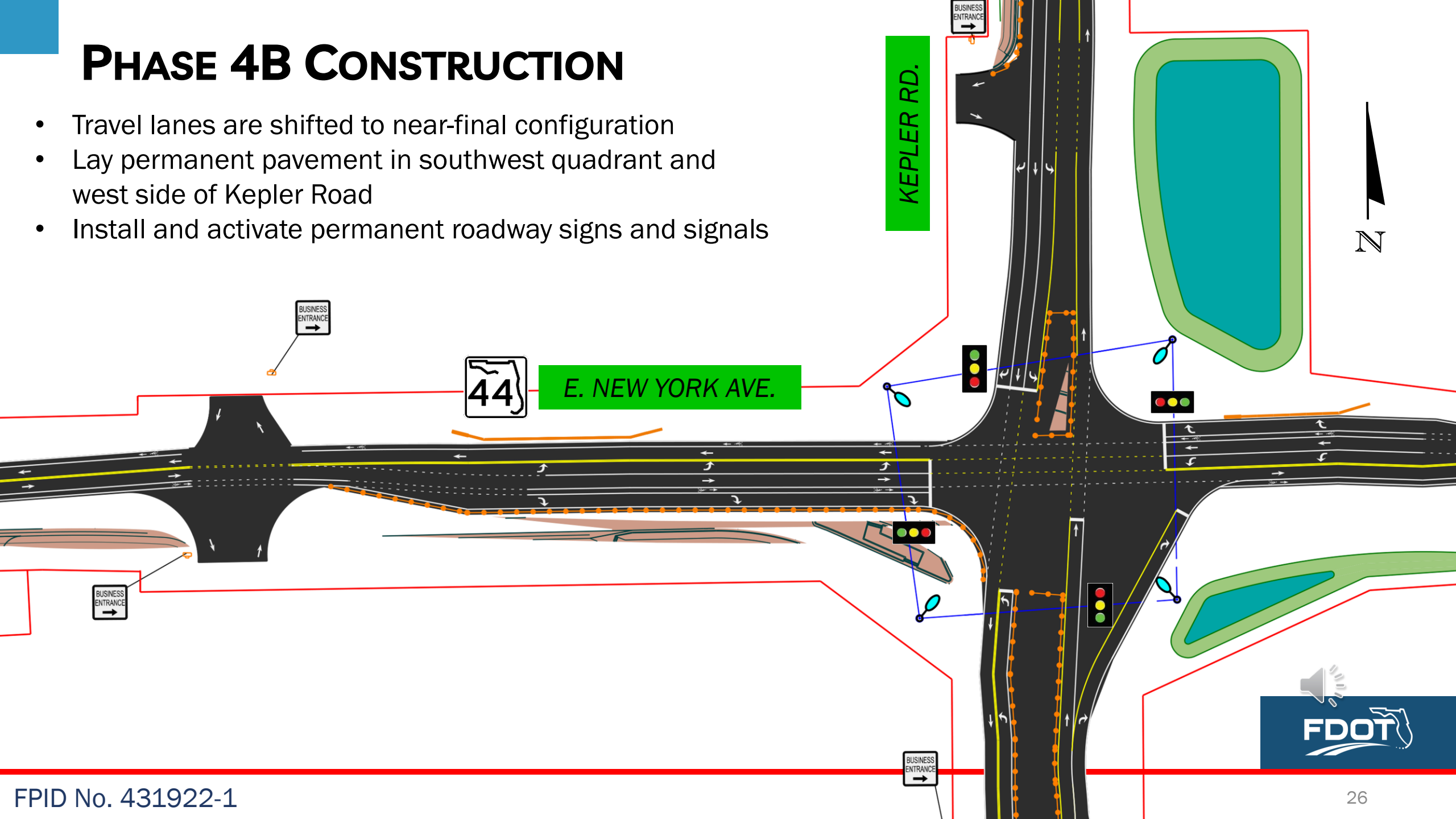
# PHASE 4B CONSTRUCTION





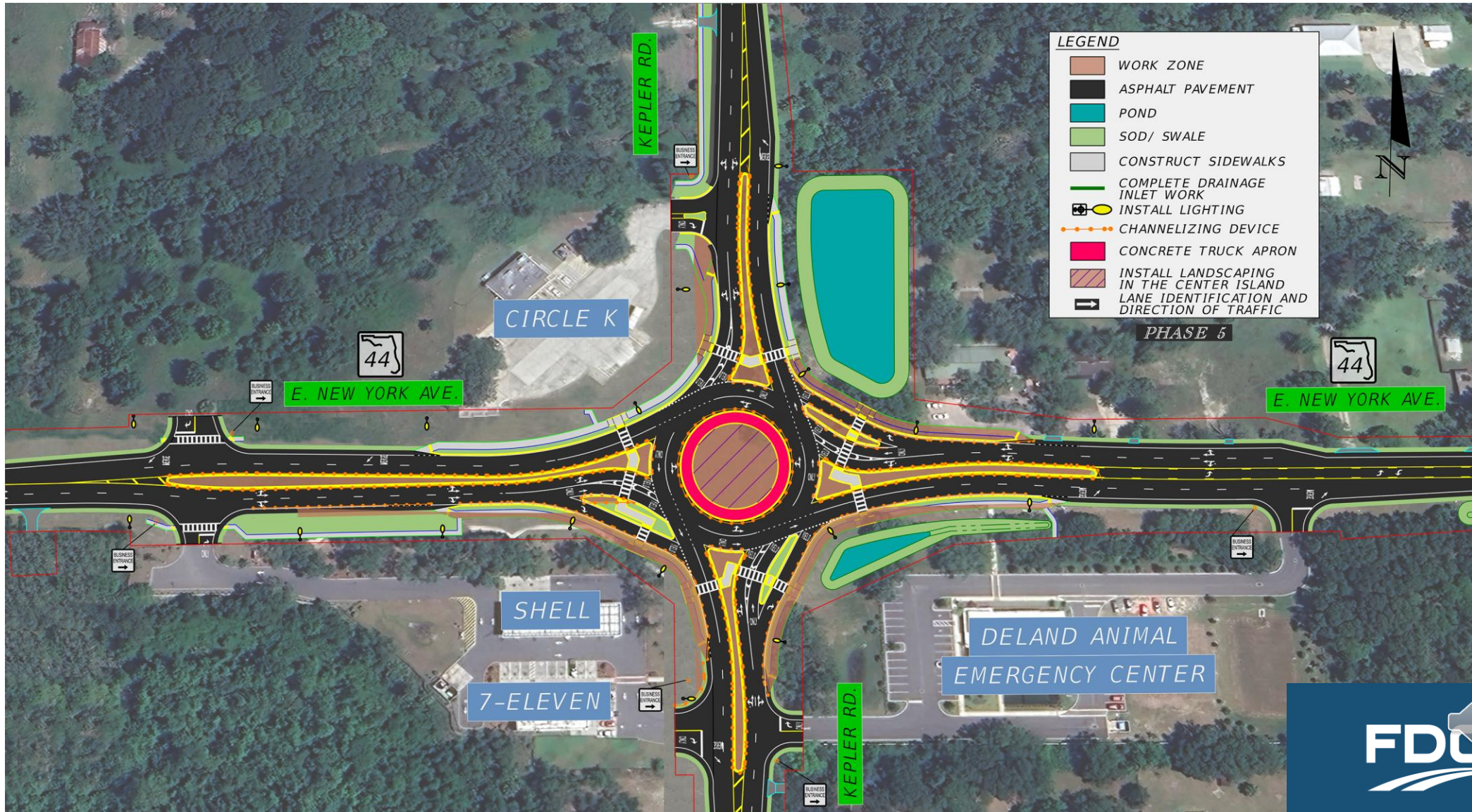
# PHASE 4B CONSTRUCTION

- Travel lanes are shifted to near-final configuration
- Lay permanent pavement in southwest quadrant and west side of Kepler Road
- Install and activate permanent roadway signs and signals





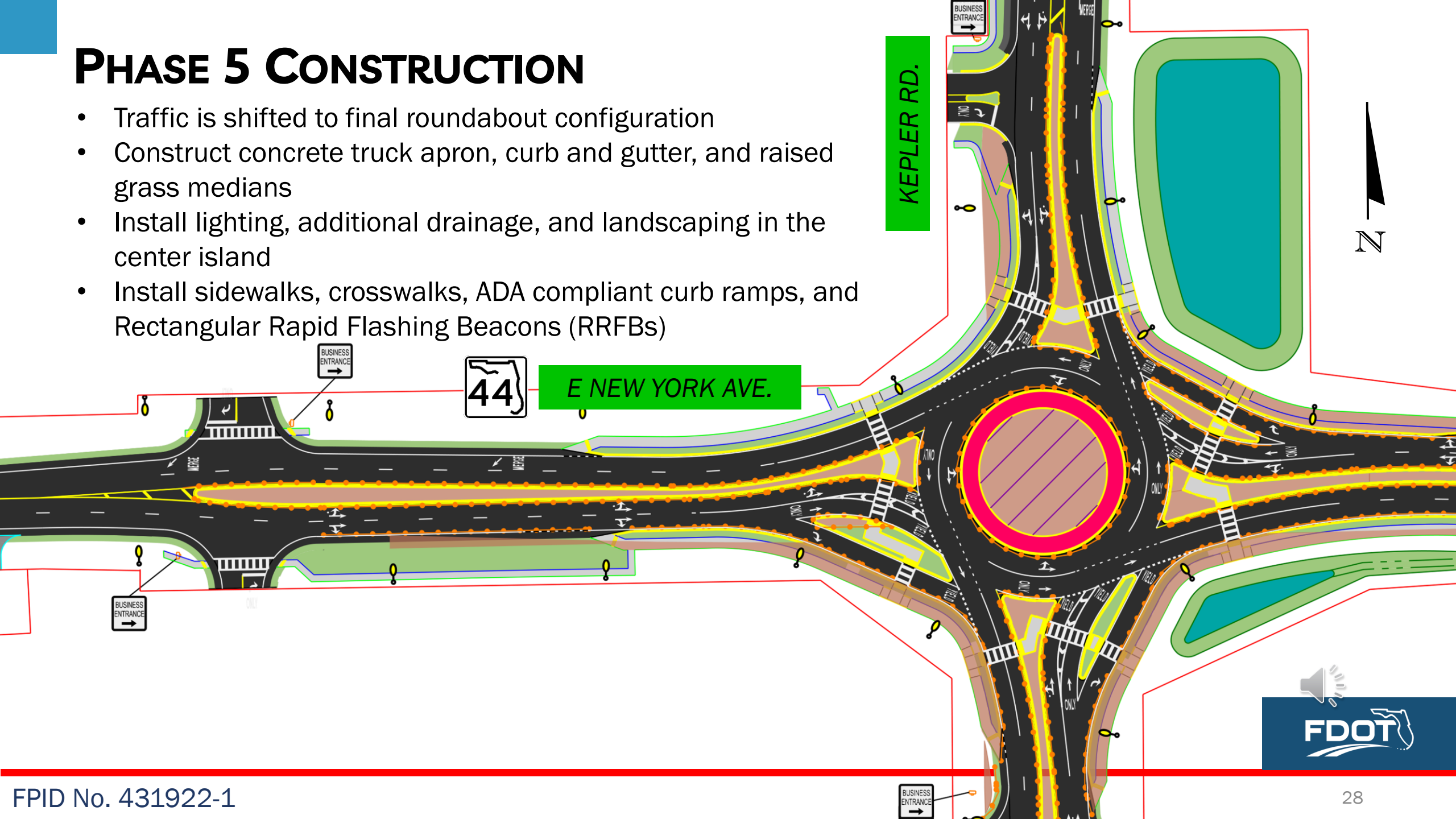
# PHASE 5 CONSTRUCTION





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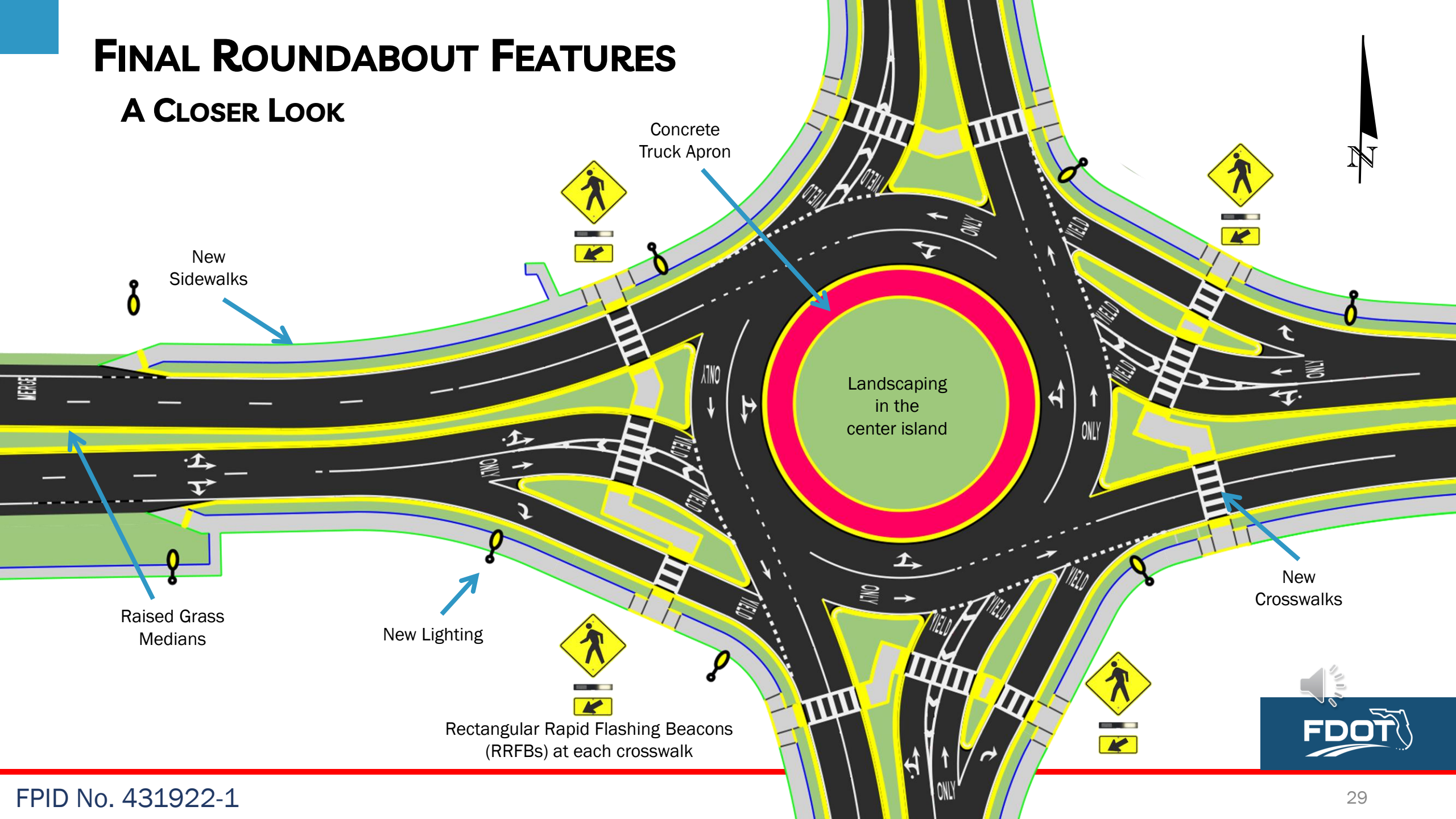
- Traffic is shifted to final roundabout configuration
- Construct concrete truck apron, curb and gutter, and raised grass medians
- Install lighting, additional drainage, and landscaping in the center island
- Install sidewalks, crosswalks, ADA compliant curb ramps, and Rectangular Rapid Flashing Beacons (RRFBs)





# FINAL ROUNDABOUT FEATURES

## A CLOSER LOOK



Concrete Truck Apron

New Sidewalks

Landscaping in the center island

Raised Grass Medians

New Lighting

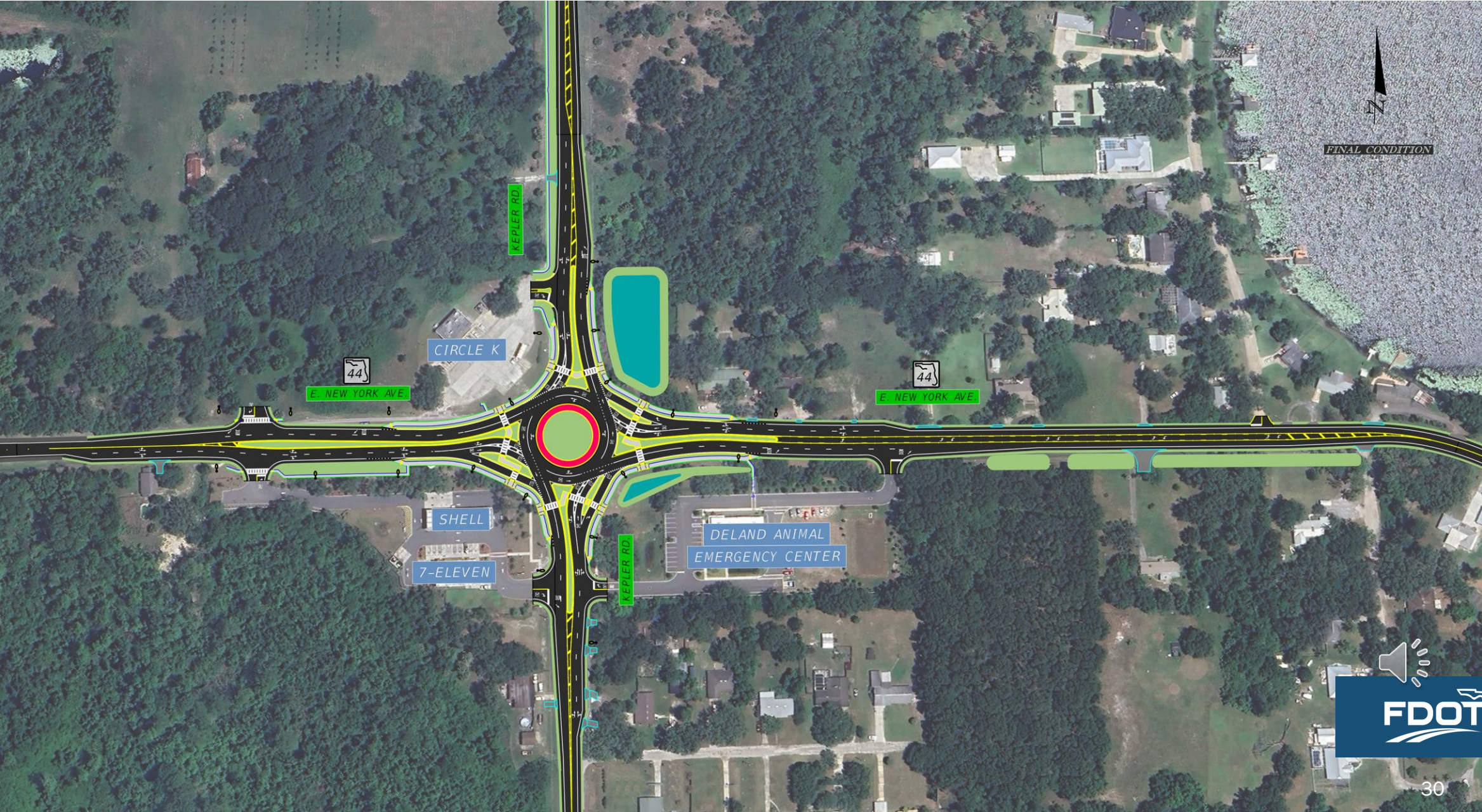
New Crosswalks

Rectangular Rapid Flashing Beacons (RRFBs) at each crosswalk





# FULL PROJECT FINAL CONFIGURATION





# FINAL ROUNDABOUT CONFIGURATION






# FINAL ROUNDABOUT CONFIGURATION







Please note: This is not the final version of the rendering.  
Minor changes will be made and shared at a later date.



# PROJECT SCHEDULE AND COST

## CONTRACTOR

P & S Paving, Inc.

## PROJECT COST

\$8.5 Million

## PROJECT START

June 22, 2024

## ESTIMATED PROJECT COMPLETION

Fall 2025

\* - Subject to change







**FOR MORE  
INFORMATION**



**In Person**



**Virtually**



**Email or Mail**



**Telephone**



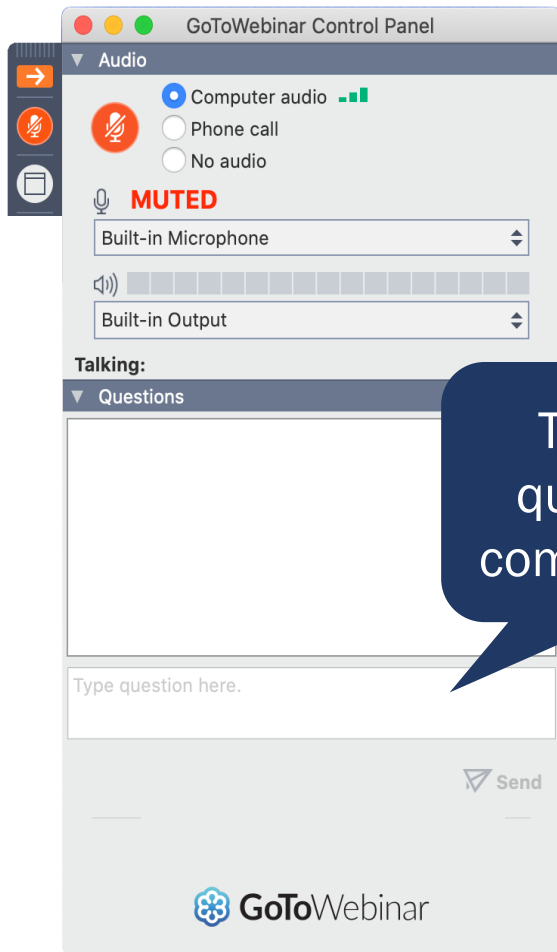
# IN PERSON



Speak with project team members



ONLINE



Type your question or comment here



# CONTACT THE PROJECT MANAGER



Michael.Raney@dot.state.fl.us



1650 N. Kepler Road, MS 513  
DeLand, FL 32724



386-740-3524





STAY INFORMED



Welcome to FDOT's District Five Projects Website



Roundabouts 101: Learn about the benefits and proper use of roundabouts  
Did you know that there are approximately 20 roundabouts operating on the state highway system and over 300 roundabouts on local roads throughout Florida? Here is some helpful information about how roundabouts promote both safety and better traffic flow. **More...**



Type the project number here

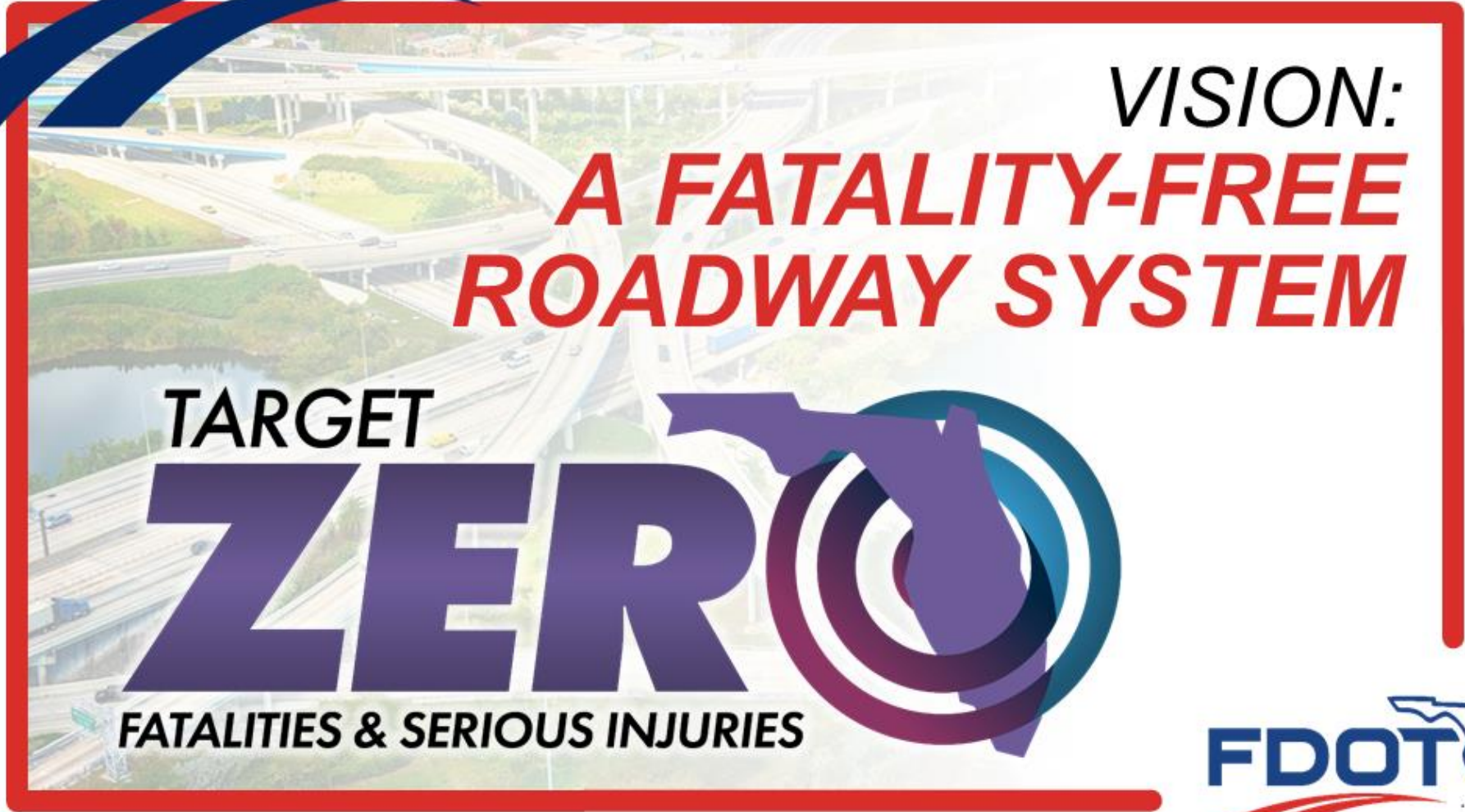
Click "Go"



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Northeast Florida	West Central Florida
Northwest Florida	Turnpike
Southeast Florida	



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[www.CFLRoads.com](http://www.CFLRoads.com)





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***A FATALITY-FREE  
ROADWAY SYSTEM***

**TARGET**  
**ZERO**  
**FATALITIES & SERIOUS INJURIES**



**THANK YOU FOR PARTICIPATING**

