



**Kimley»Horn**

Expect More. Experience Better.

# Design Public Meeting

September 11, 2014

Mitchell Mill Road Widening  
US 401 (Louisburg Road)  
to SR 2049 (Forestville Road)

# Summary

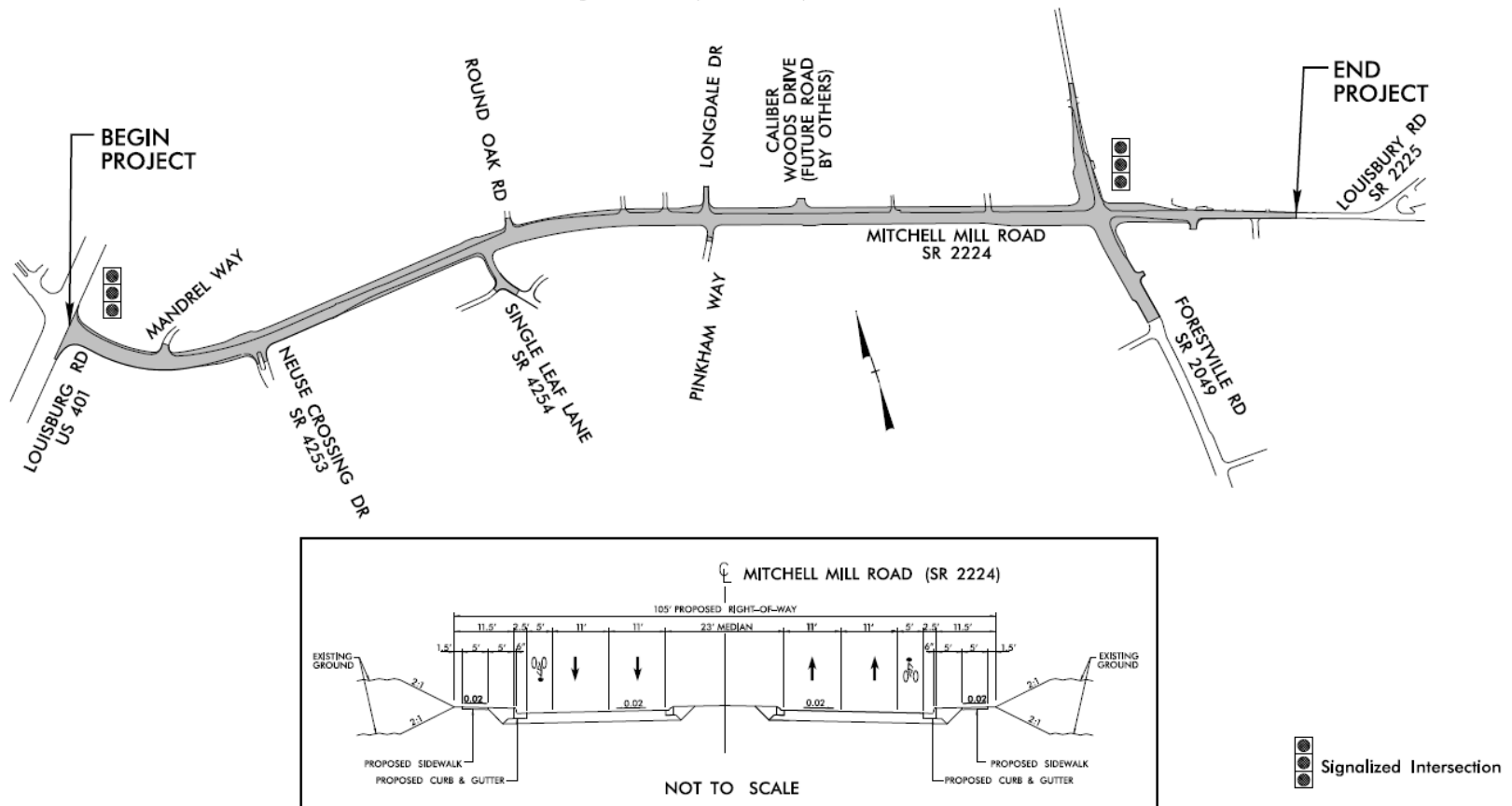
- Project location and design information
- Project purpose and benefits
- Public meeting comments
- Proposed intersection design
- Next steps



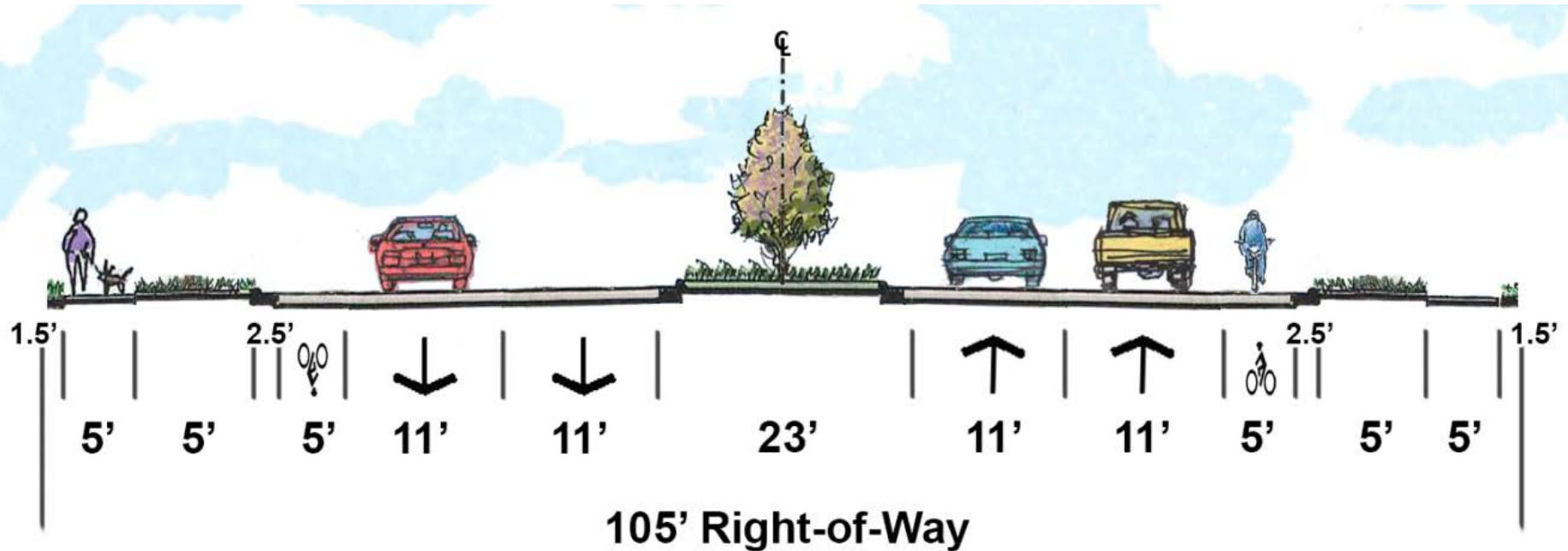
# Project Location

## DESIGN PUBLIC MEETING CITY OF RALEIGH

Mitchell Mill Road Widening  
From Louisburg Road (US 401) To Forestville Road



# Proposed Typical Section



# Project Purpose and Benefit

- Improve safety
- Reduce traffic congestion
- Integrate bicycles and pedestrians
- Install street lights
- Funded from 2013 Transportation Bond





# Median Benefits

- Pedestrian safety
- Vehicular safety
- Aesthetic value
- Safer access



# Public Meeting Input Summary

- Neuse Crossing Drive
- Single Leaf Lane
- Round Oak Road
- Reduce Speed to 35 mph
- U-Turns



# Public Meeting Input

## **Comment**

Allow a left turn at Neuse Crossing Drive and Mitchell Mill Road.

## **Response**

A left turn from Neuse Crossing Drive onto Mitchell Mill Road will be allowed.





# Full-Movement Signal Simulation – 2020 AM Peak

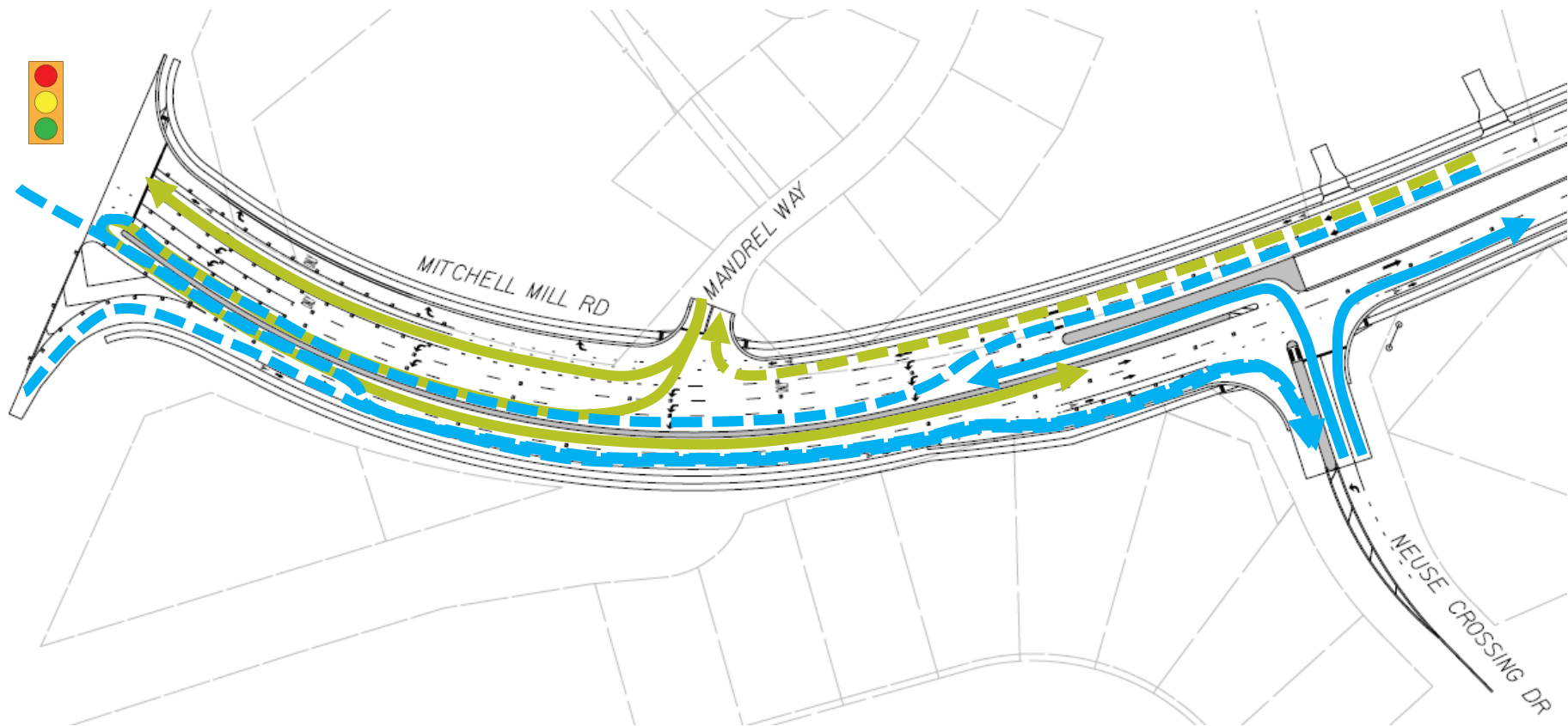




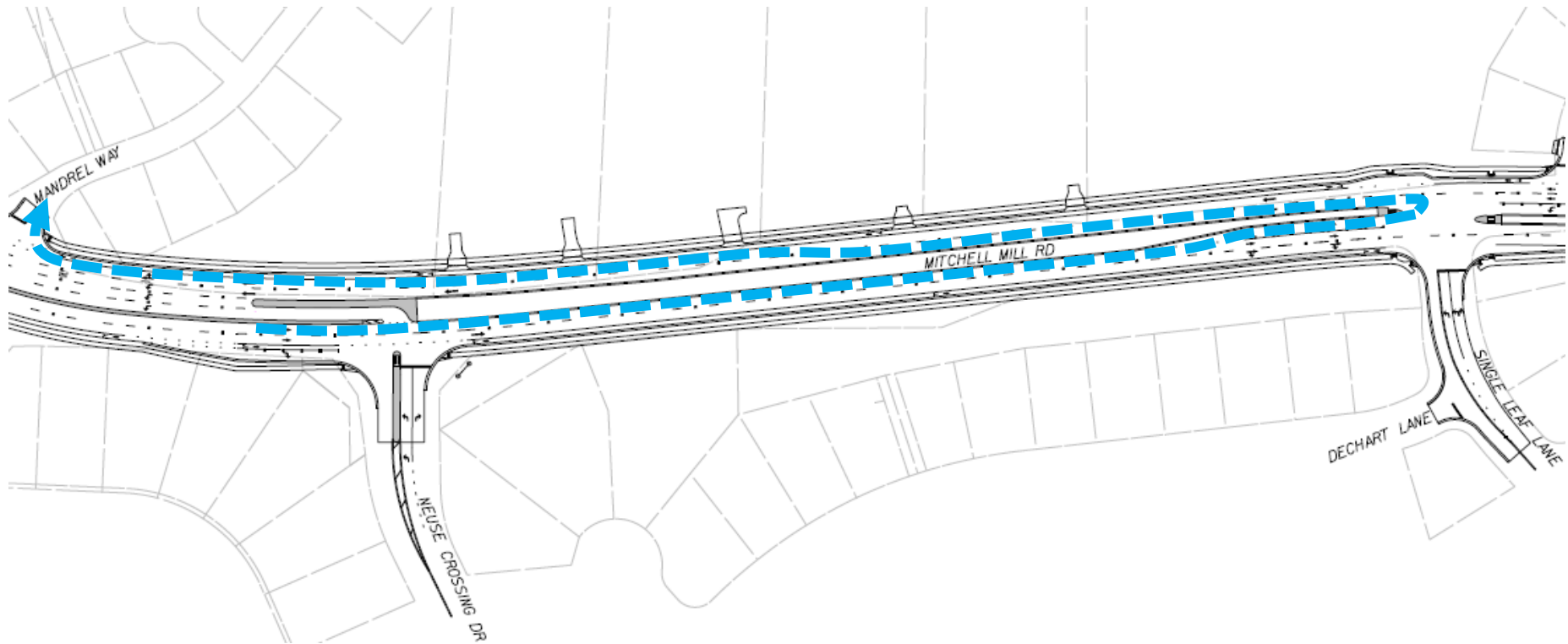
# Previous Design Simulation – 2020 AM Peak



# Neuse Crossing Drive and Mandrel Way



# Mandrel Way





# New Design Simulation – 2020 AM Peak



# Public Meeting Input

## **Comment**

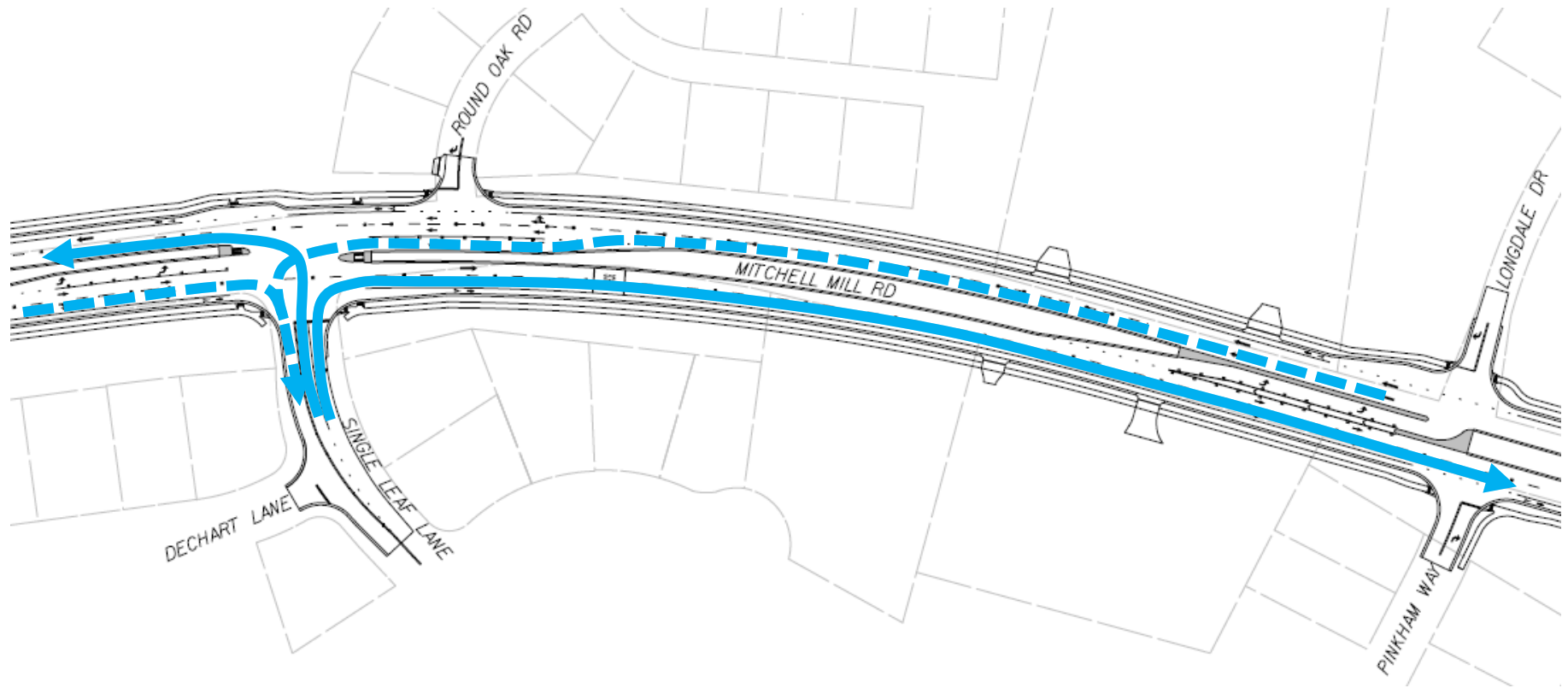
Concern of Single Leaf Lane being made a “major” road.

## **Response**

The traffic signal proposed for Single Leaf Lane and Mitchell Mill Road has been removed from the design.



# Single Leaf Lane





# Public Meeting Input

## **Comment**

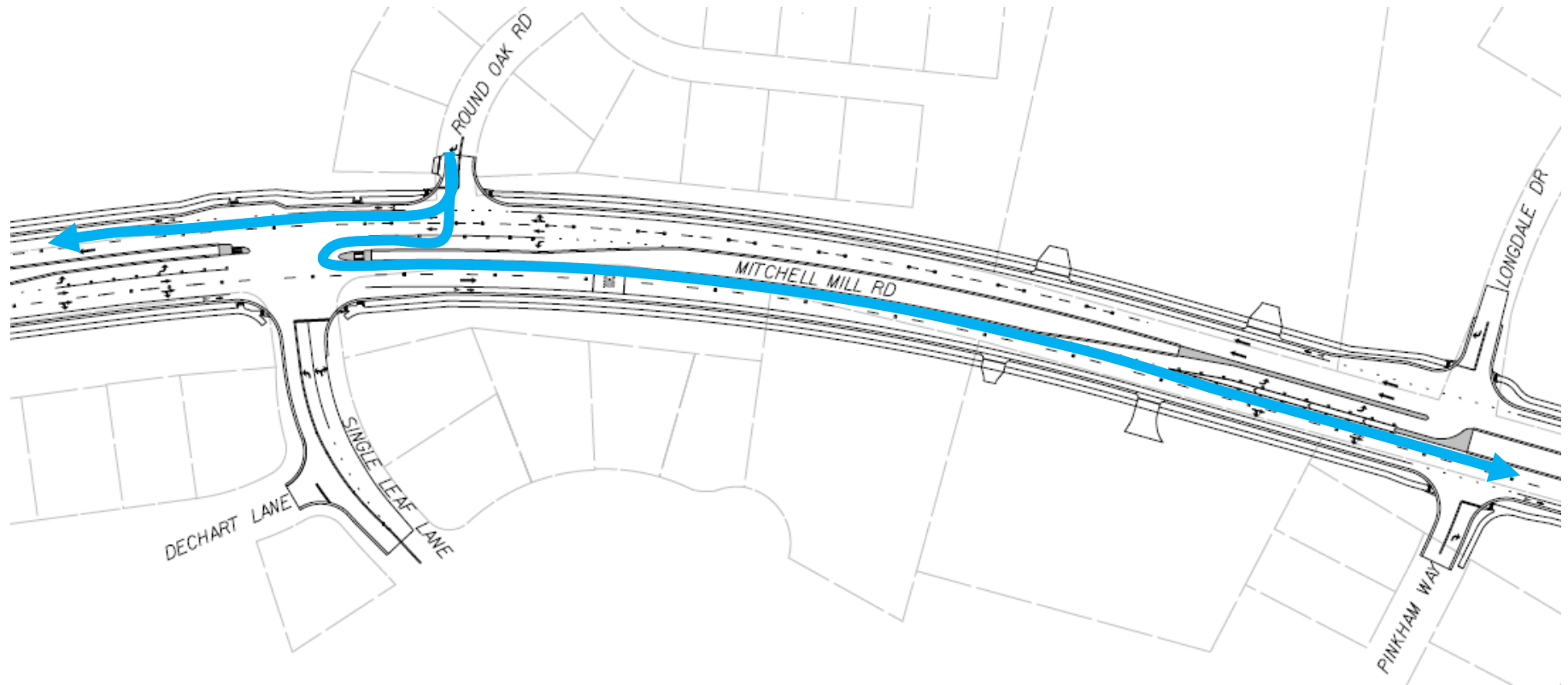
Consider realignment of Round Oak Road and Single Leaf Lane to create one improved intersection.

## **Response**

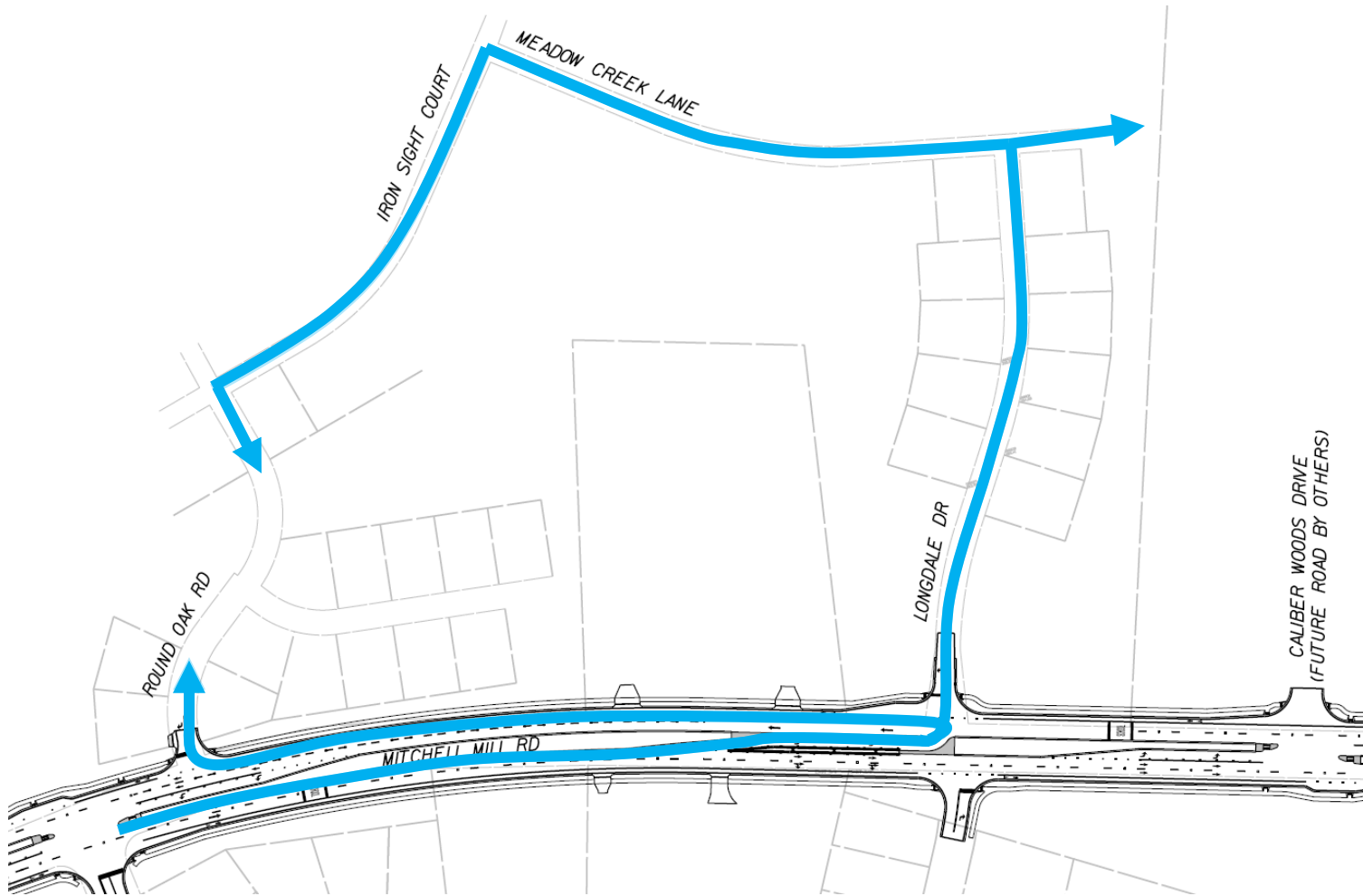
This realignment would likely result in 2 to 3 relocations. Therefore, this is not a feasible option at this time.



# Round Oak Road



# Round Oak Road



# Public Meeting Input

## **Comment**

Reduce speed limit on Mitchell Mill Road to 35 mph.

## **Response**

Mitchell Mill Road is a major thoroughfare and the posted speed will remain 45 mph.



# Public Meeting Input

## **Comment**

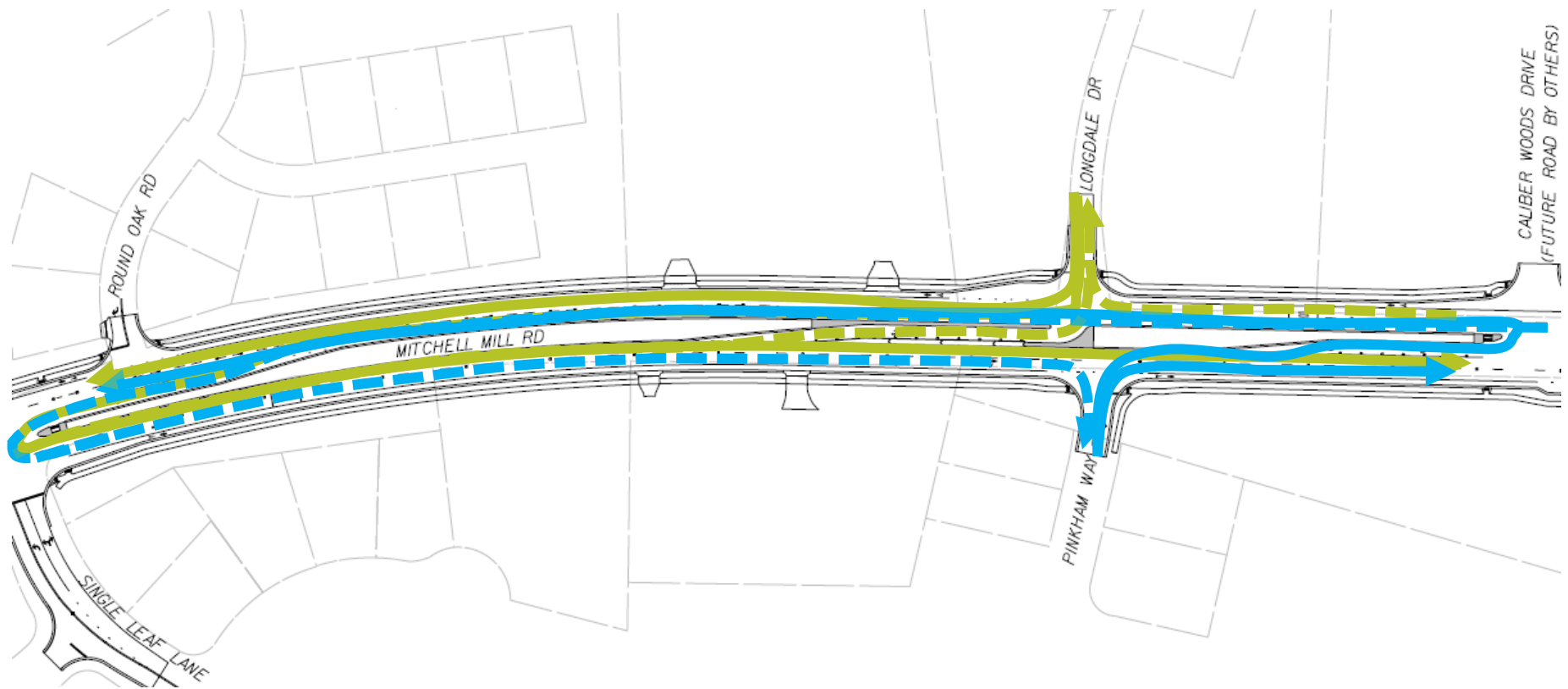
Concern that U-turns on Mitchell Mill Road will cause traffic delays and accidents, and will be difficult for buses and emergency vehicles to operate.

## **Response**

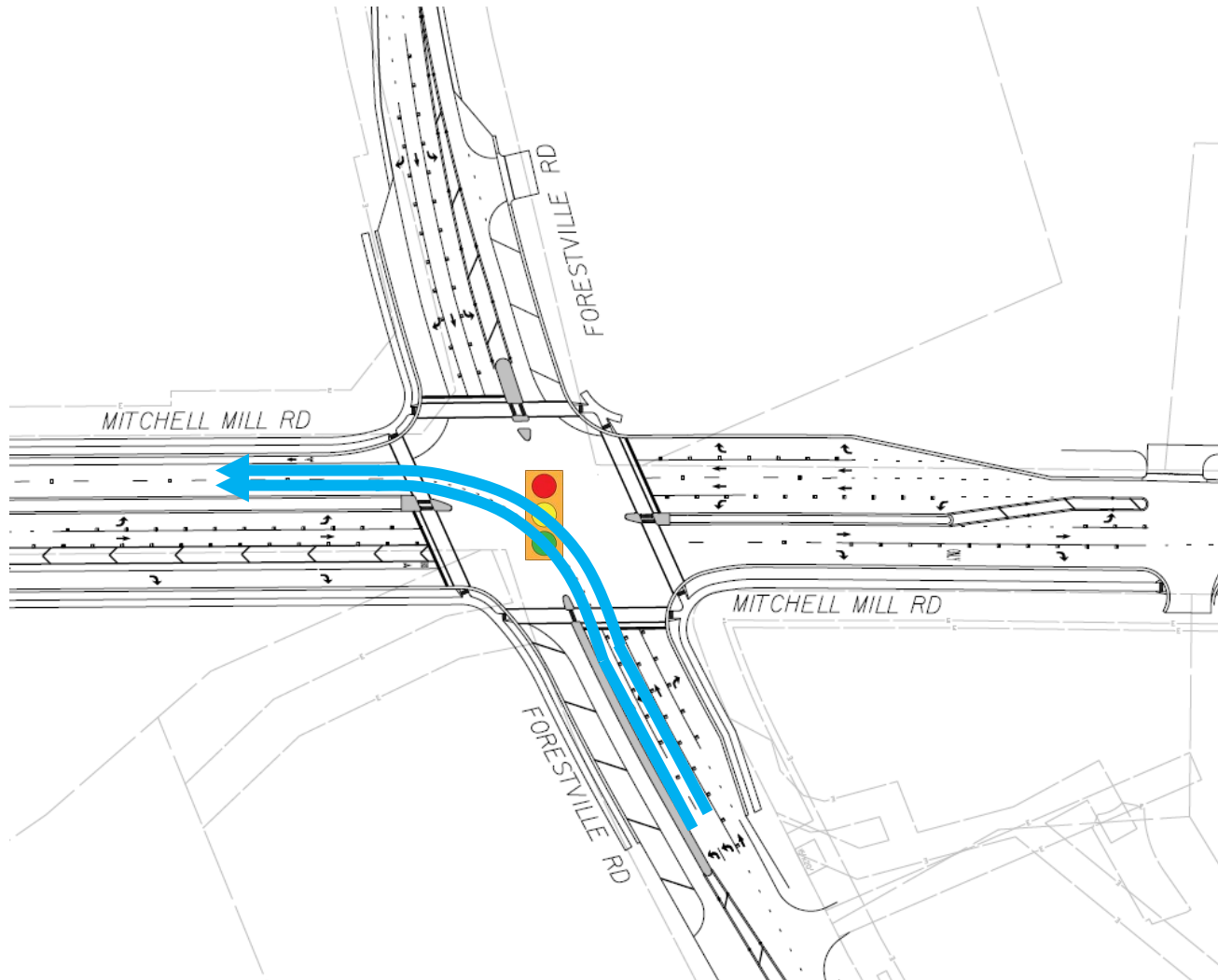
FDOT study concluded that safety is greater for U-Turns than for Direct Left Turns.



# Longdale Drive and Pinkham Way

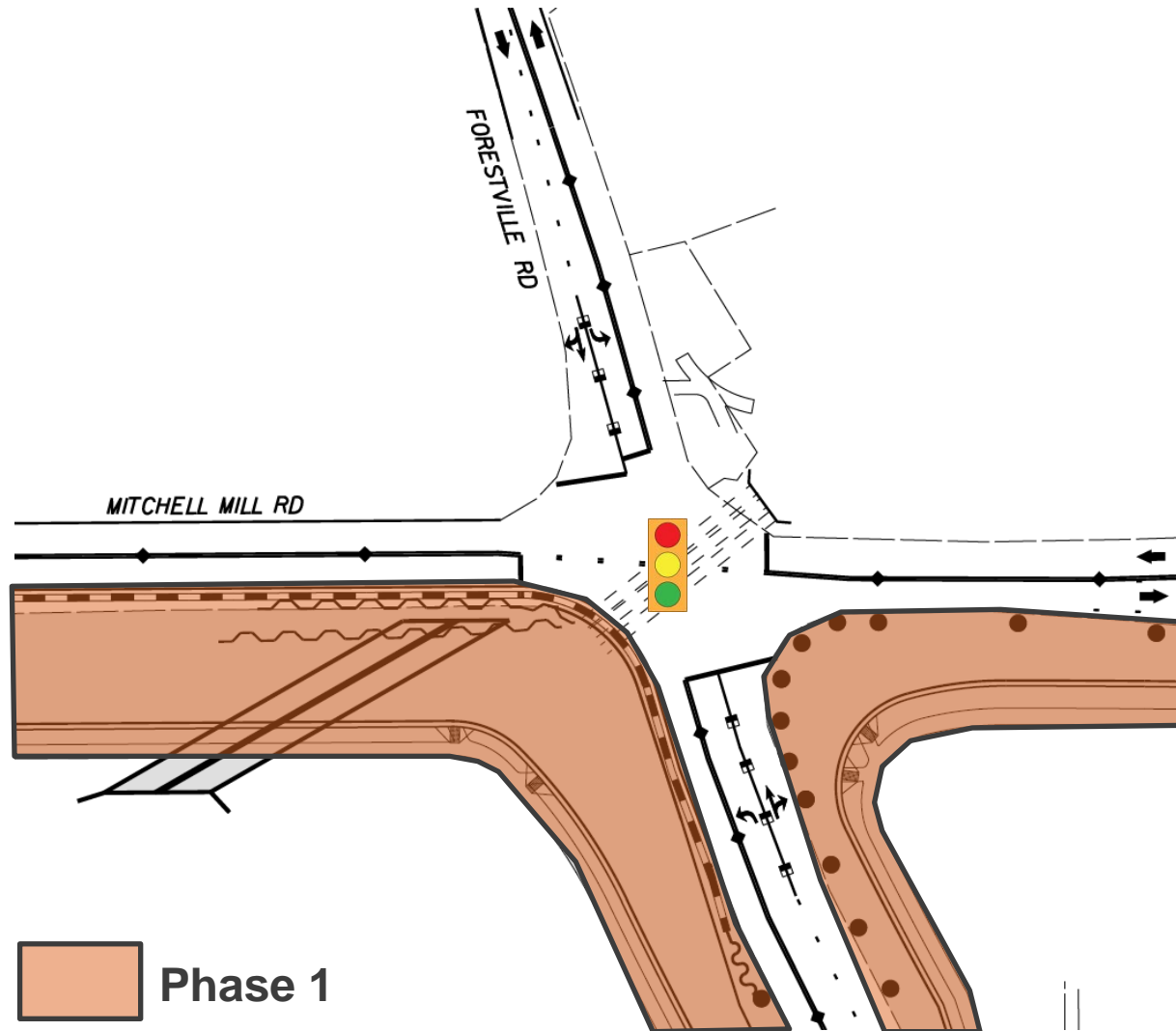


# Forestville Road

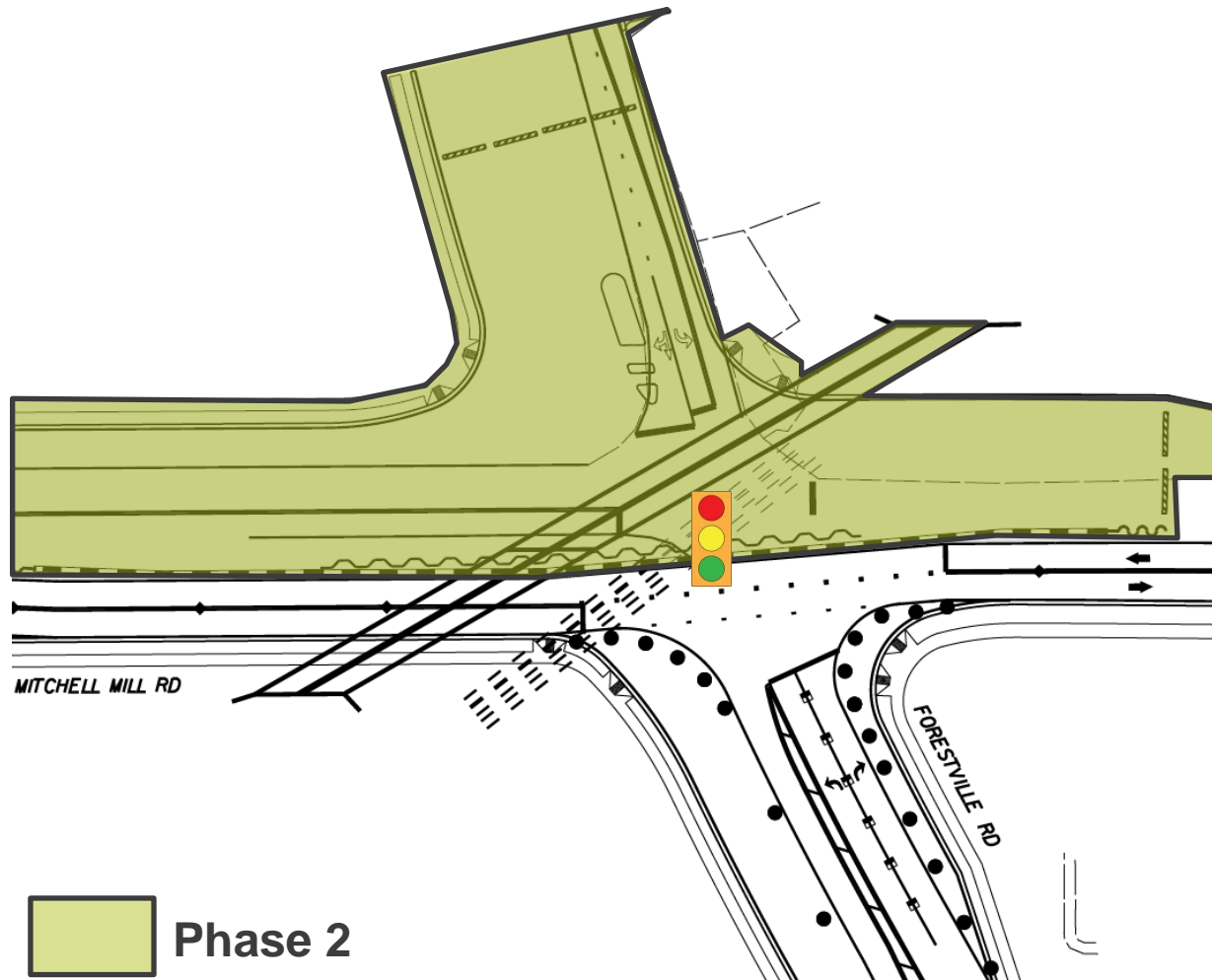




# Forestville Road Detour



# Forestville Road Detour



# Next Steps

- Public hearing by City Council  
(Fall 2014)
- Acquire right-of-way and easements  
(Fall 2014 - Fall 2015)
- Acquire contractor  
(Winter 2016)
- Start construction  
(Spring 2016)
- End construction  
(Fall 2017)



Questions?



Kimley»Horn

# References

- *Georgia Study Confirms the Continuing Safety Advantage of Raised Median over TWLTLs*; Fourth National Conference on Access Management, 2000
- *Methodology to Quantify the Effects of Access Management on Roadway Operations and Safety*; University of South Florida for the Florida Department of Transportation, 2001
- *National Highway Institute Course No. 133078: Access Management, Location and Design*; S/K Transportation Consultants, Inc., 2000

