

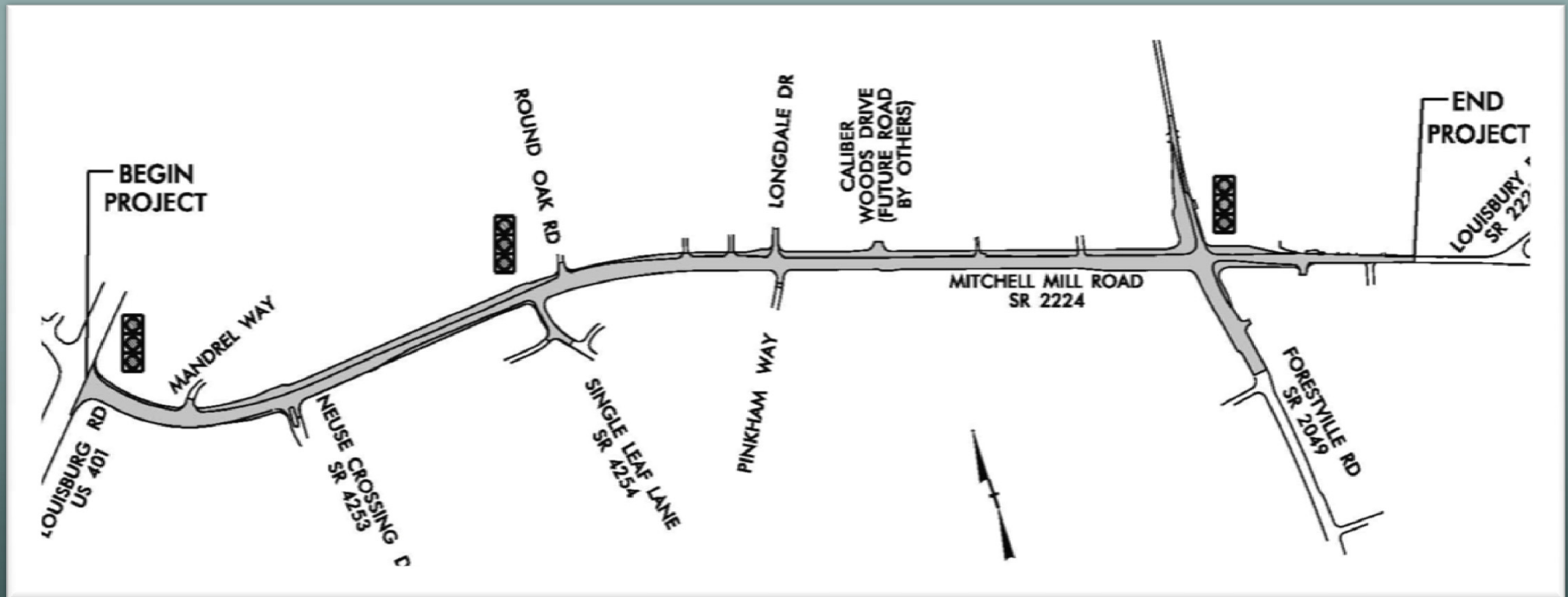
Design Public Meeting

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

May 5, 2011



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and Associates, Inc.



Project Location

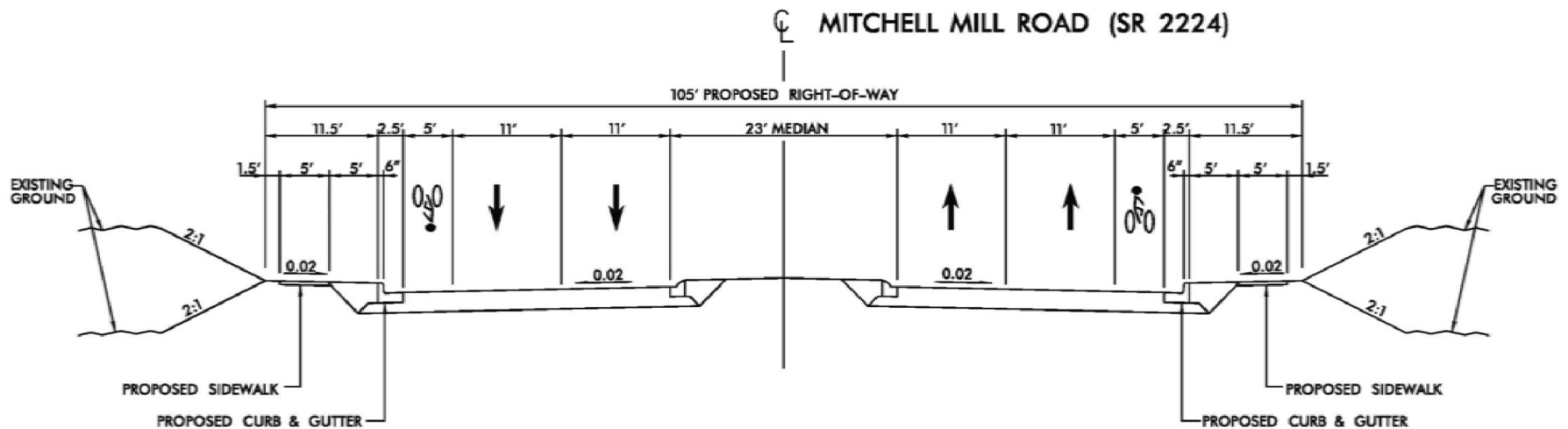


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Project Purpose and Benefit

- Improve safety
- Reduce traffic congestion
- Accommodate bicycles and pedestrians
- Complete Streets Policy





Proposed Typical Section



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COMMENT	RESPONSE
Retain trees along Neuse Crossing Frontage	Trees retained from Neuse Crossing Drive to Single Leaf Lane
U-turn Movement at US 401	Adequate distance for U-turn movement; Extended concrete island to increase spacing
Round Oak Drive Access	Right-In, Right-Out due to proximity of signal at Single Leaf Lane; Left-over at Longdale Dr and Left-over at Neuse Crossing Dr gives opportunities for U-turn

Corridor Public Meeting Input



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COMMENT	RESPONSE
Improve safety for left and right turns at Round Oak Drive	Outbound left turns prohibited at Round Oak Drive and sight distance improved for right turns
Concern about Single Leaf Lane not being able to support new traffic	Single Leaf Lane and Neuse Crossing are both “collector” streets; Signal spacing allows for a more efficient traffic flow out of Neuse Crossing neighborhood
Mandrel Way Access	Right-in, Right-out; U-turn at US 401 and U-turn at Neuse Crossing Dr

Corridor Public Meeting Input



Design Information

Existing Traffic	17,500 vehicles per day
Projected Traffic	27,500 vehicles per day
Project Length	1.09 miles (5,772 feet)
Posted Speed	45 miles per hour



Median Benefits

Pedestrian safety

- Two stage crossing
- Refuge area

Vehicular safety

- Minimize conflicts
- Crashes reduced
- U-turns



Median Benefits

Aesthetics

- Area for plantings
- Reduced impervious surface area

Access Management

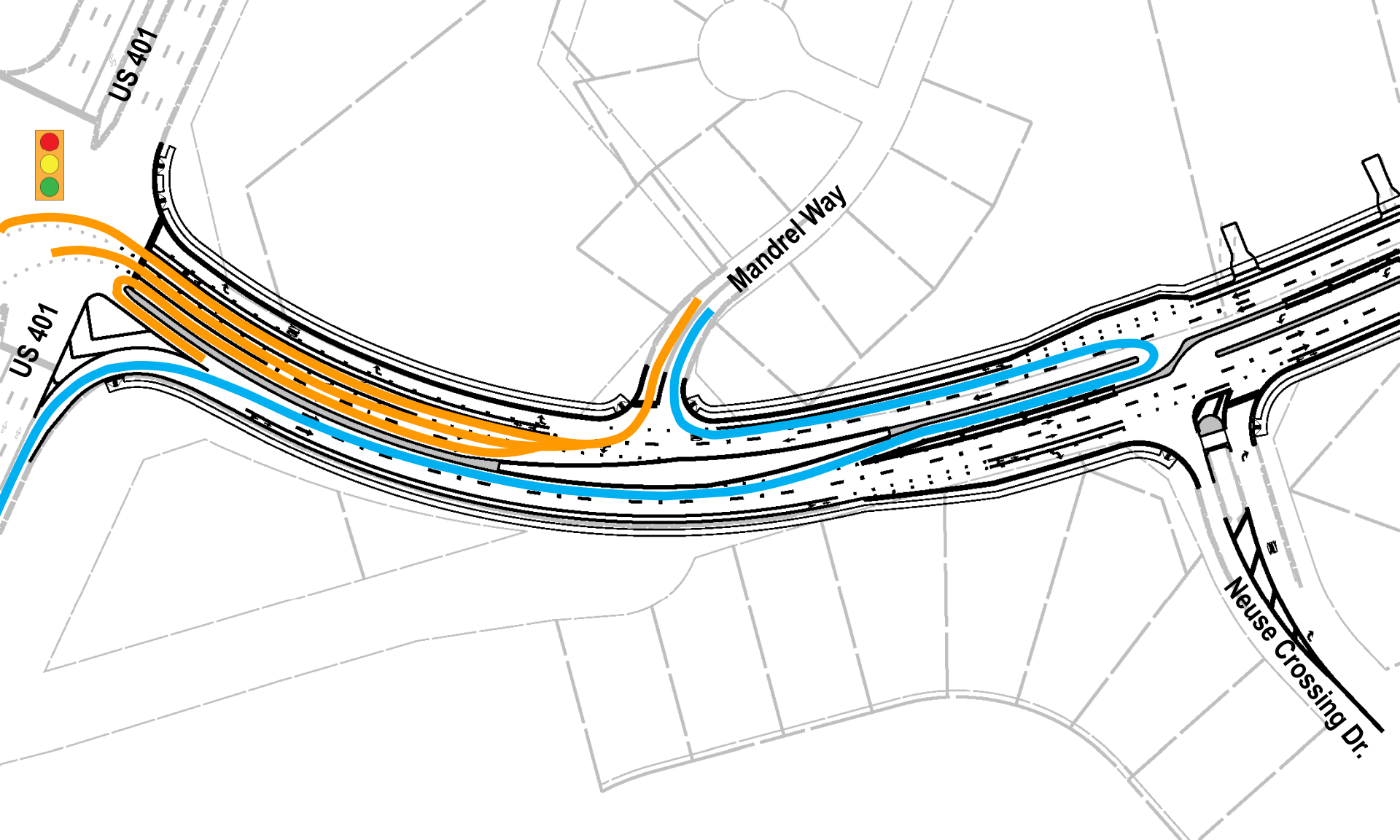
- Better access to sites
- Safety at Preschool



Access Management

- **NCDOT Median Crossover Guidelines**
- **Directional Crossovers**
- **U-Turns**
- **1,200 Foot Separation between All-Movement Crossovers**

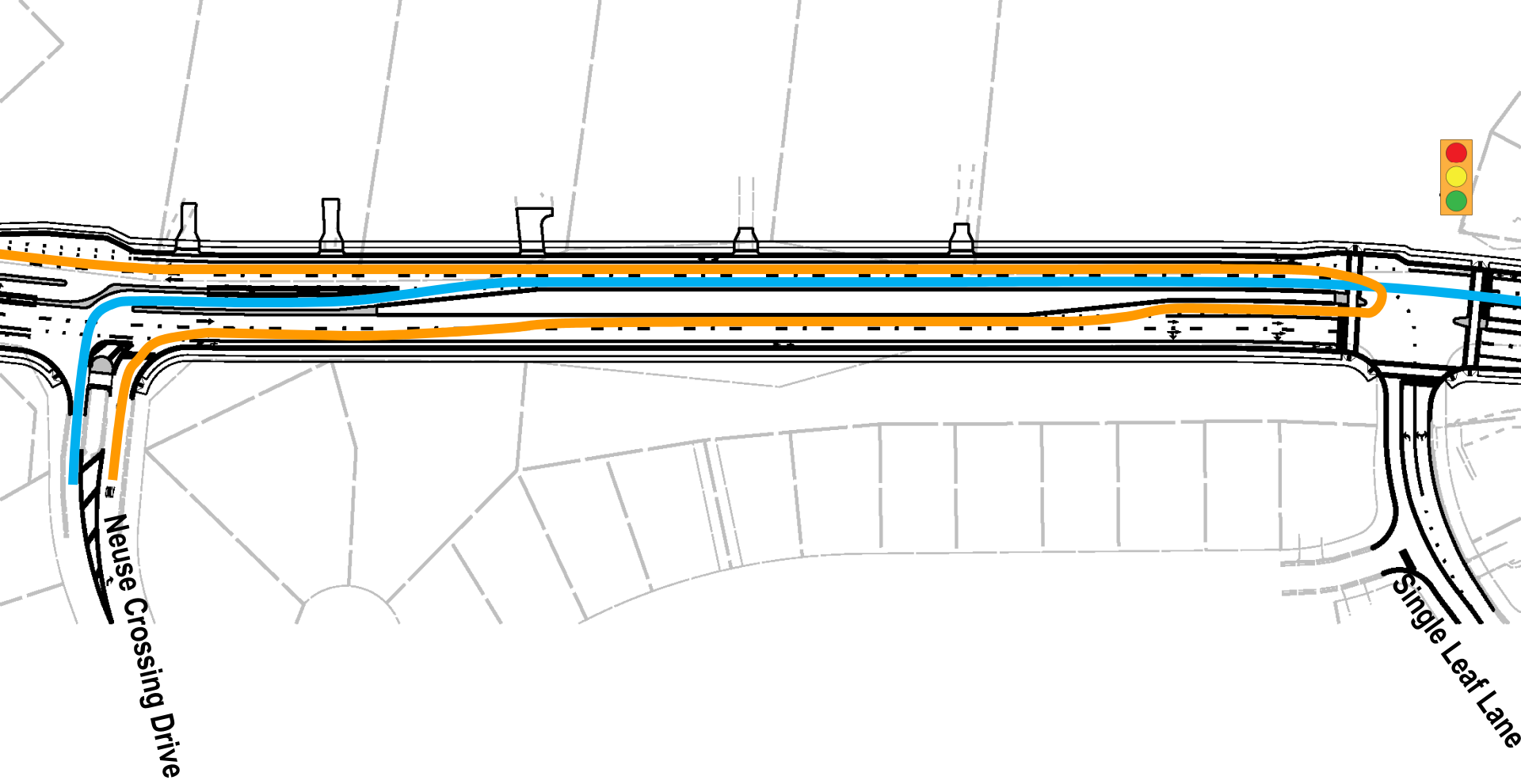




Mandrel Way and Neuse Crossing Drive



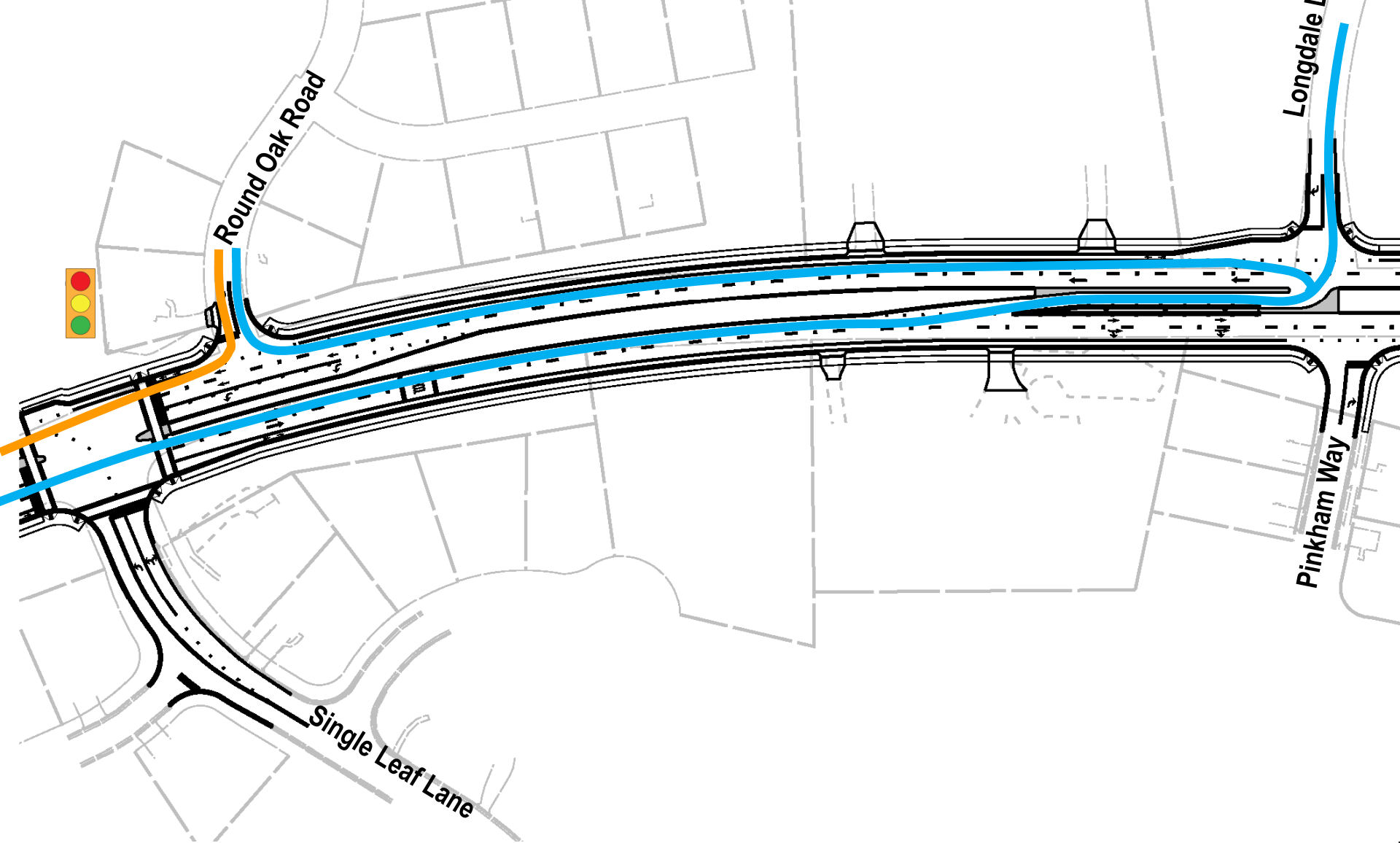
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Neuse Crossing Drive and Single Leaf Lane



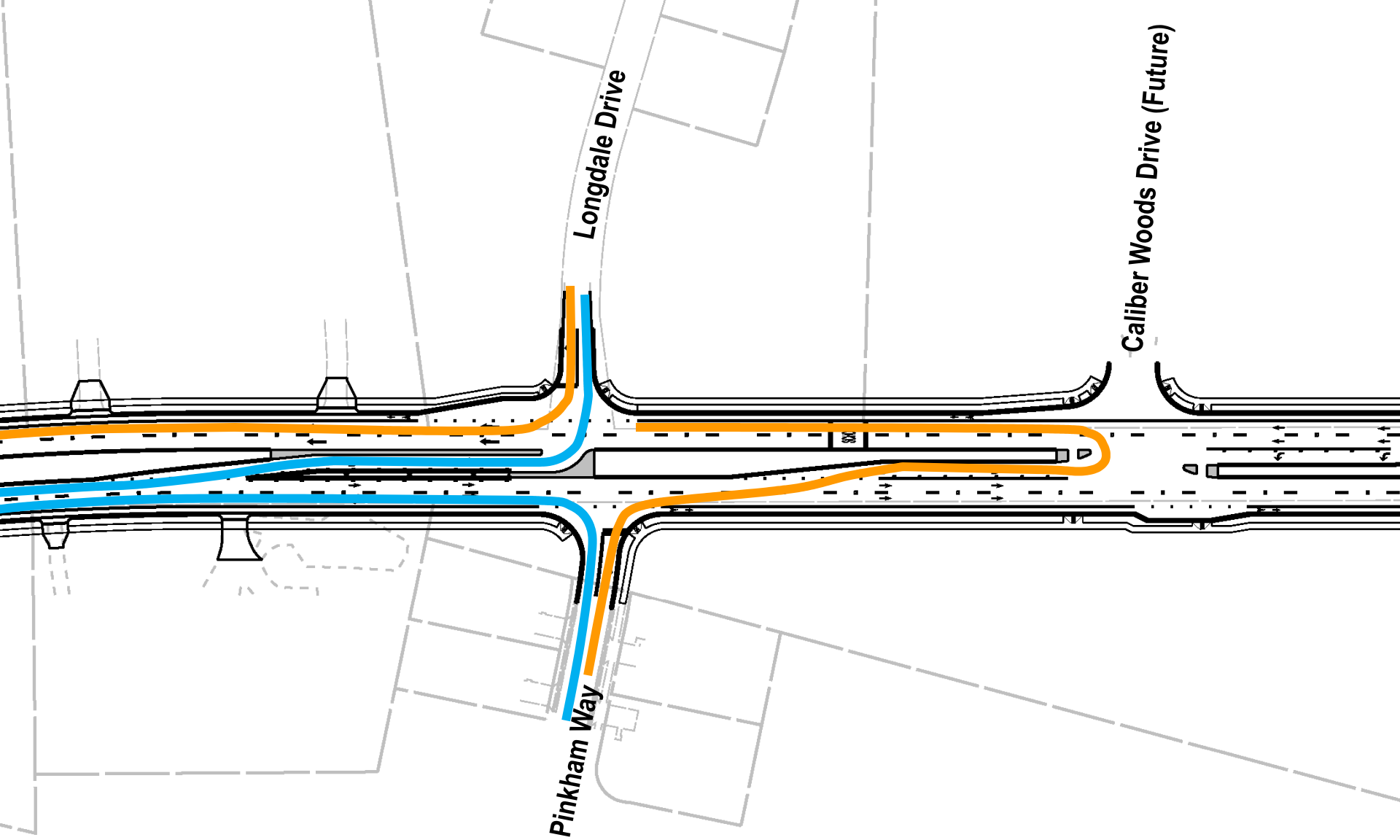
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Single Leaf Lane and Round Oak Road



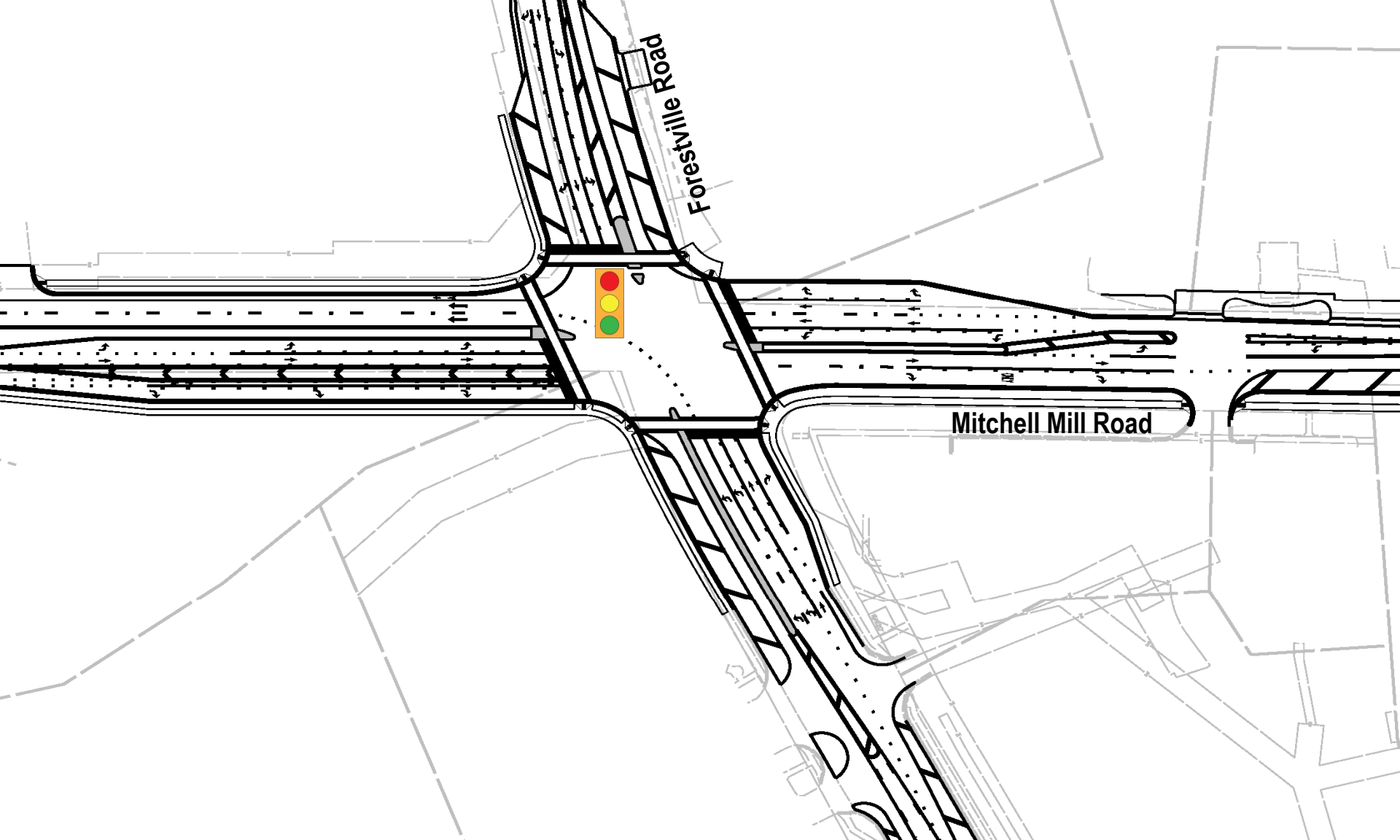
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Longdale Drive and Caliber Woods Drive (Future)



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Forestville Road Intersection



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Next Steps

- **Incorporate Public Comments into Design**
- **Allocate Project Funding**
- **Public Hearing by City Council**
- **Acquire Right-of-Way and Easements**
- **Start Construction**



Questions?



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