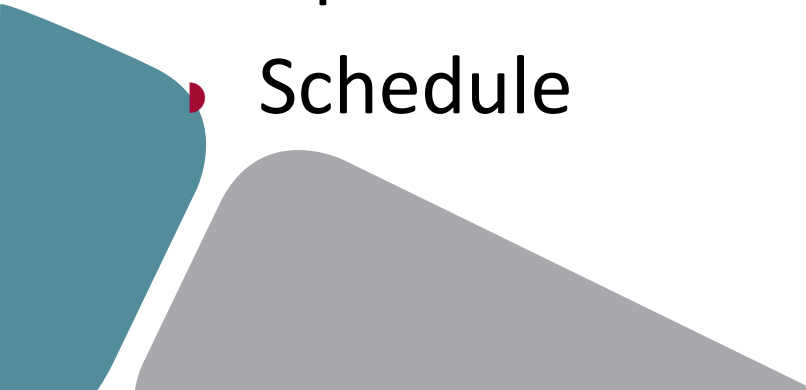


# *The* Town *of* Davidson


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# Agenda

- Where we are
  - Overview of the project elements
    - Connector from Potts to Sloan
    - Multi-use trail along Potts/Sloan
    - Roundabout (Beaty/Griffith)
  - Update on U-5873 (Potts/NC 115 Intersection)
  - Schedule
- 

# Design Process

- Functional plans –  
No survey. A starting point for planning.
  - Preliminary/Final Design – Survey and real impacts are developed
  - At Functional, we want feedback because the public knows more about the area than we do
  - At Preliminary/Final, we take into account concerns and refine the design on survey
- 


# Design Process

- Our concepts are not final – they are flexible
  - Examples:
    - A multiuse trail – We will try to minimize disturbance as best we can. It may require the trail to meander to avoid impacts.
    - Realignment – Once we get survey, we will have detailed information about trees, utilities, and other features that will help drive the design.
    - Building impacts – We can evaluate curves to try to reduce impacts.
- 

# Connector Alignment Alternatives

- 3 Alternatives

## Goals

- Provide connectivity
  - Minimize neighborhood impacts
  - Minimize stream impacts
  - Minimize wetland impacts
- 

# Connector Typical Sections

- Two 11' Lanes
- 2'-6" Curb and gutter
- 5' sidewalk, 10' Multi-use trail

# Environmental Items

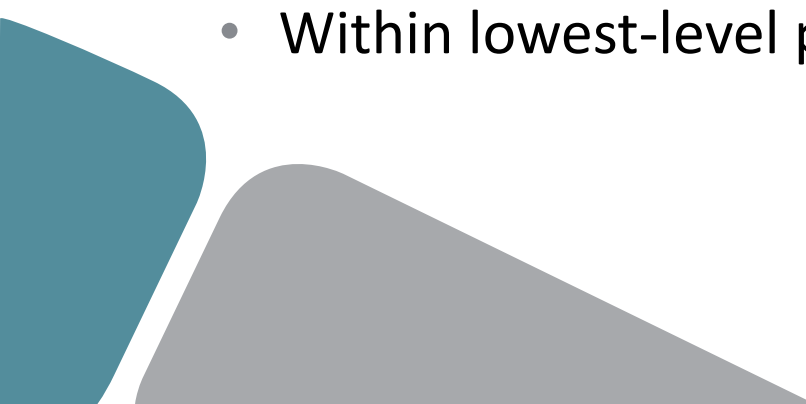
## ▀ Asbestos

- Study complete

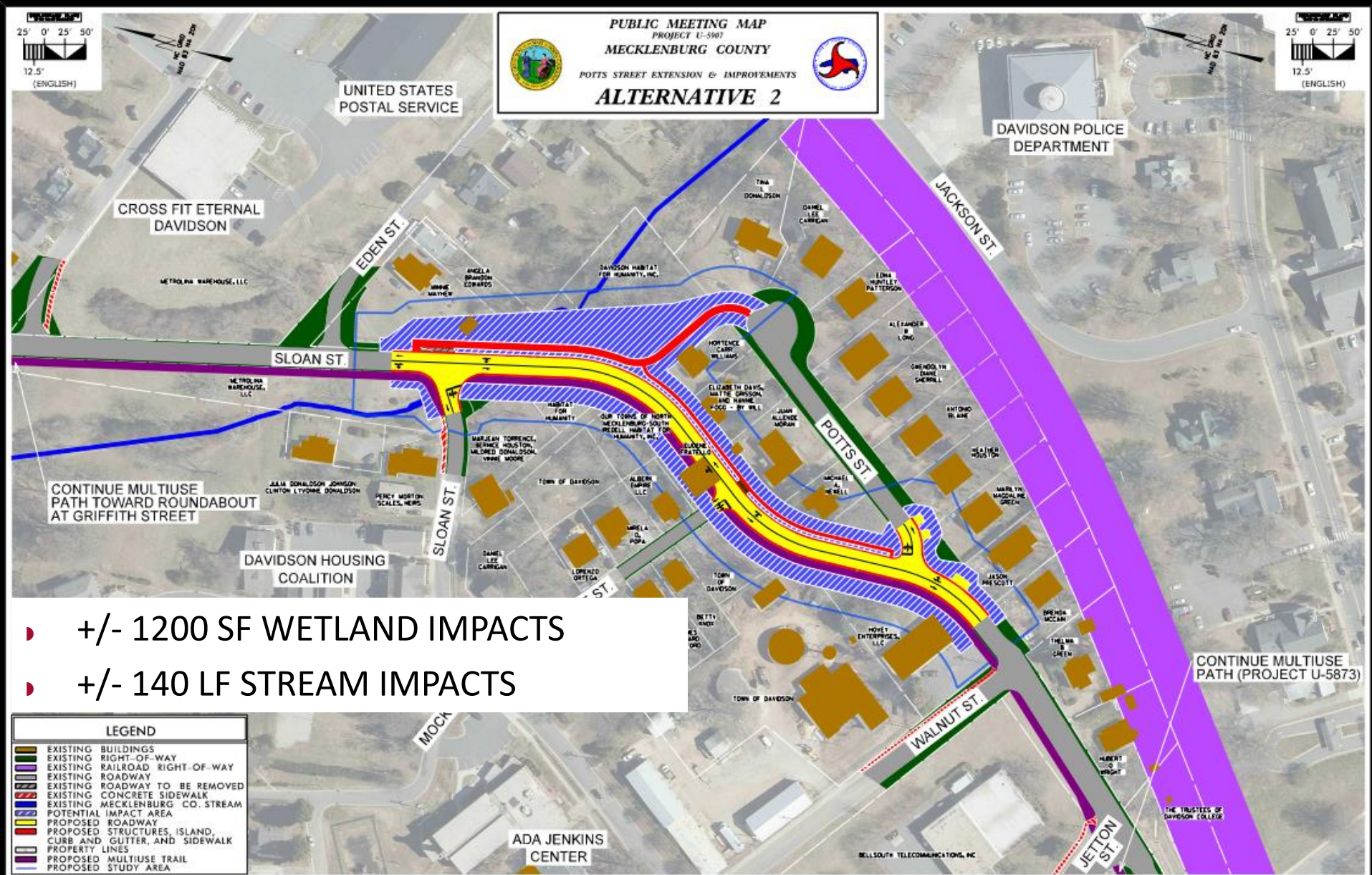
## ▀ Burial sites

- No burials within the project limits found

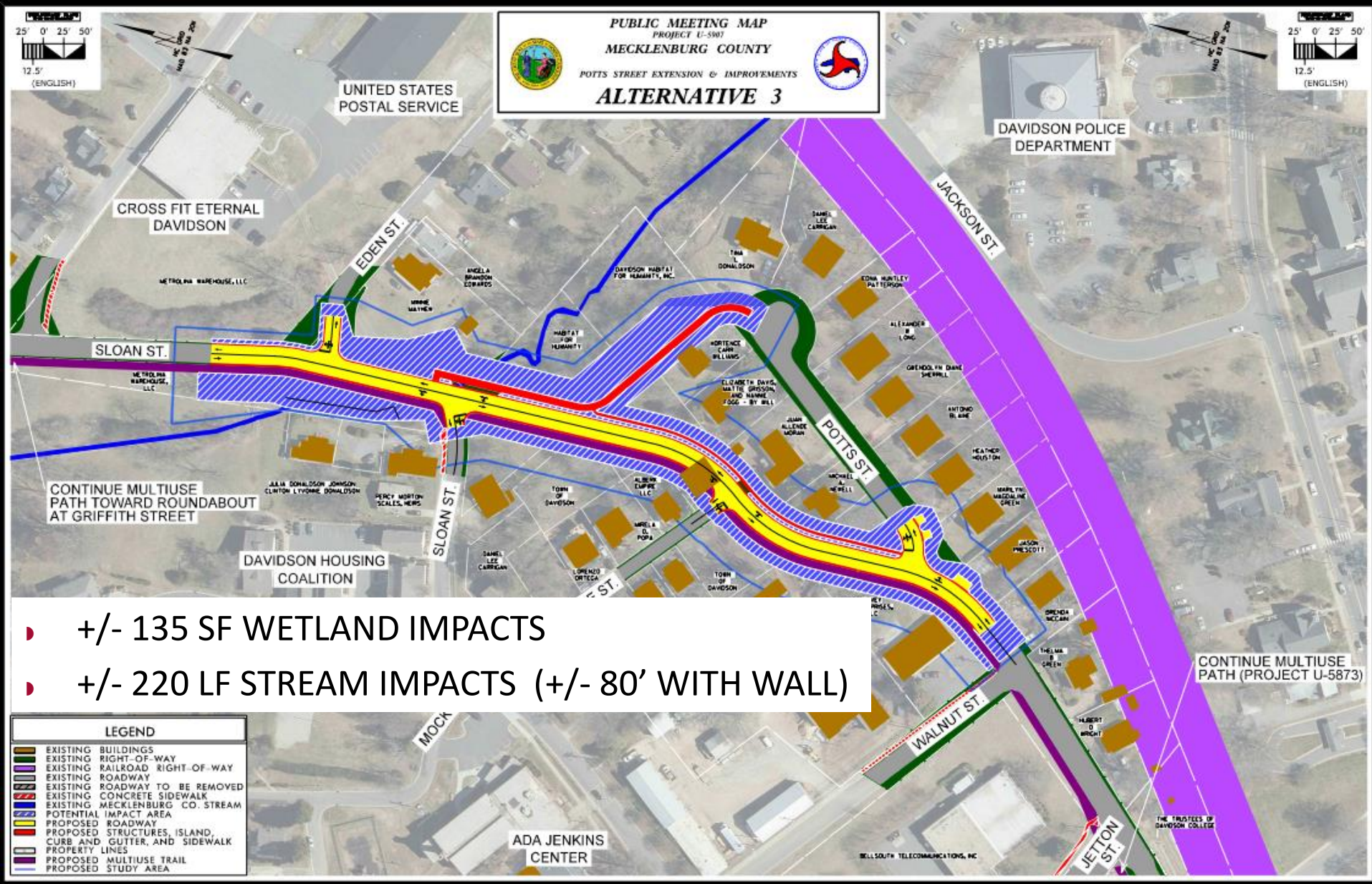
## ▀ Stream and Wetlands

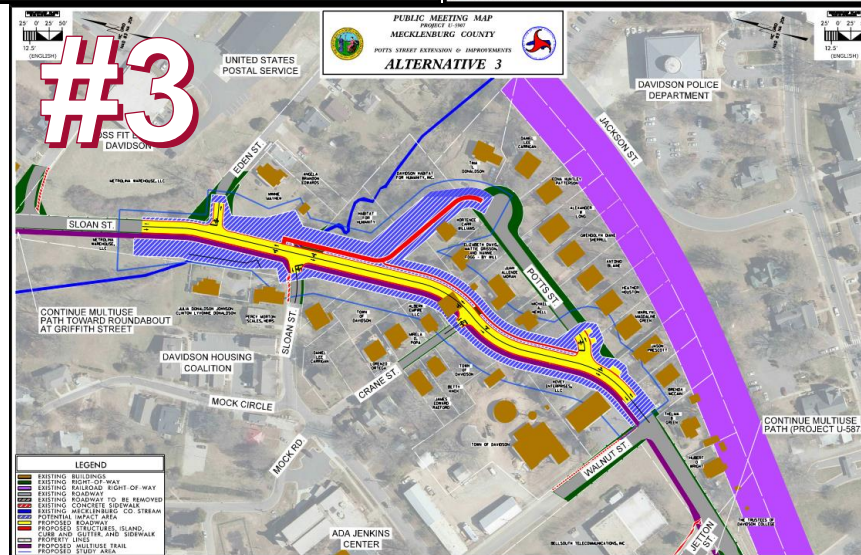
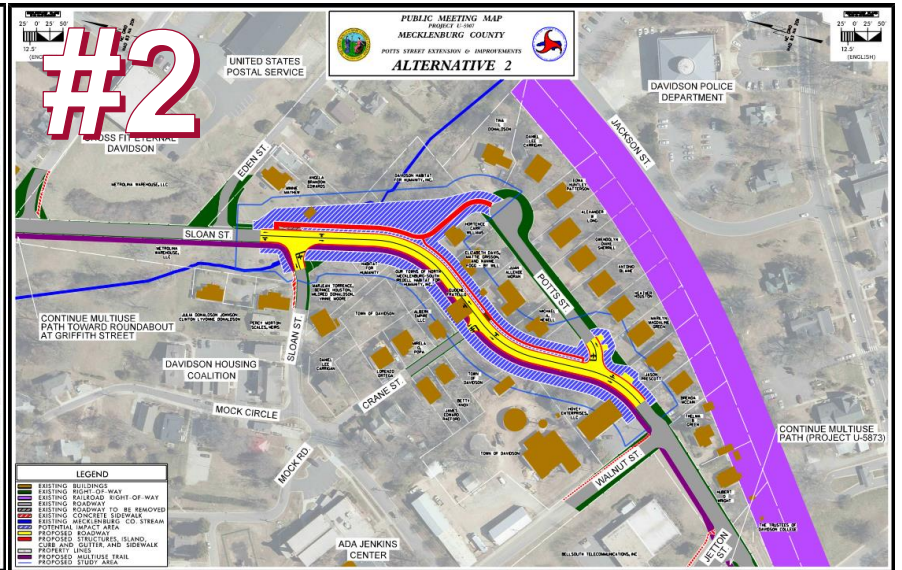
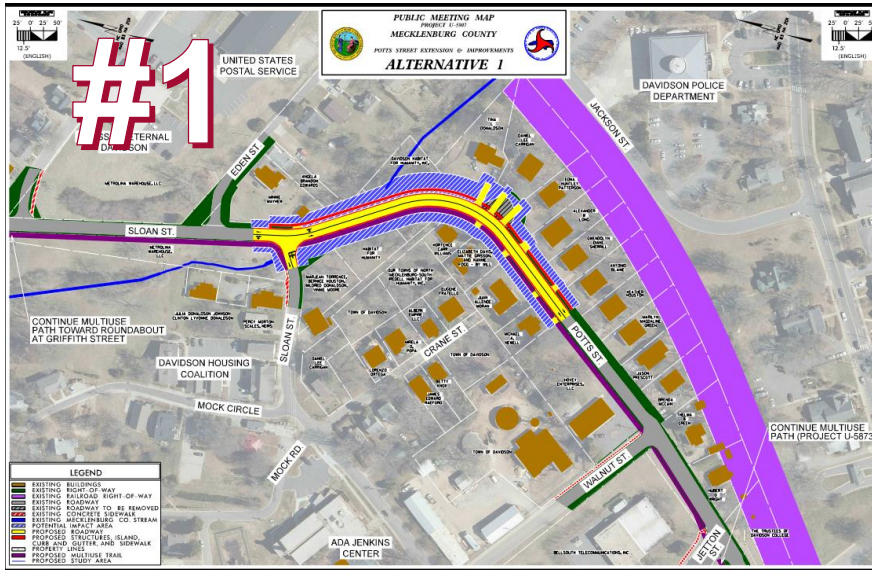
- All alternatives expected to have similar impacts
  - Within lowest-level permit threshold
- 





- +/- 1200 SF WETLAND IMPACTS
- +/- 140 LF STREAM IMPACTS





# Connector Alternative Comparison

## ■ 3 Alternatives Evaluated

- Construction Cost
- Right-of-way Acquisition Cost
- Environmental Impact
- Neighborhood Impact

# Connector Alternative Comparison

	Alternative #1	Alternative #2	Alternative #3
CONSTRUCTION	\$ 500,000	\$ 650,000	\$ 730,000
ROW	\$ 50,000	\$ 190,000	\$ 200,000
ENVIRONMENTAL	\$ 190,000	\$ 245,000	\$ 195,000
TOTAL CONNECTOR	<u>\$ 740,000</u>	<u>\$ 1,085,000</u>	<u>\$ 1,125,000</u>

Costs are planning level only and will change



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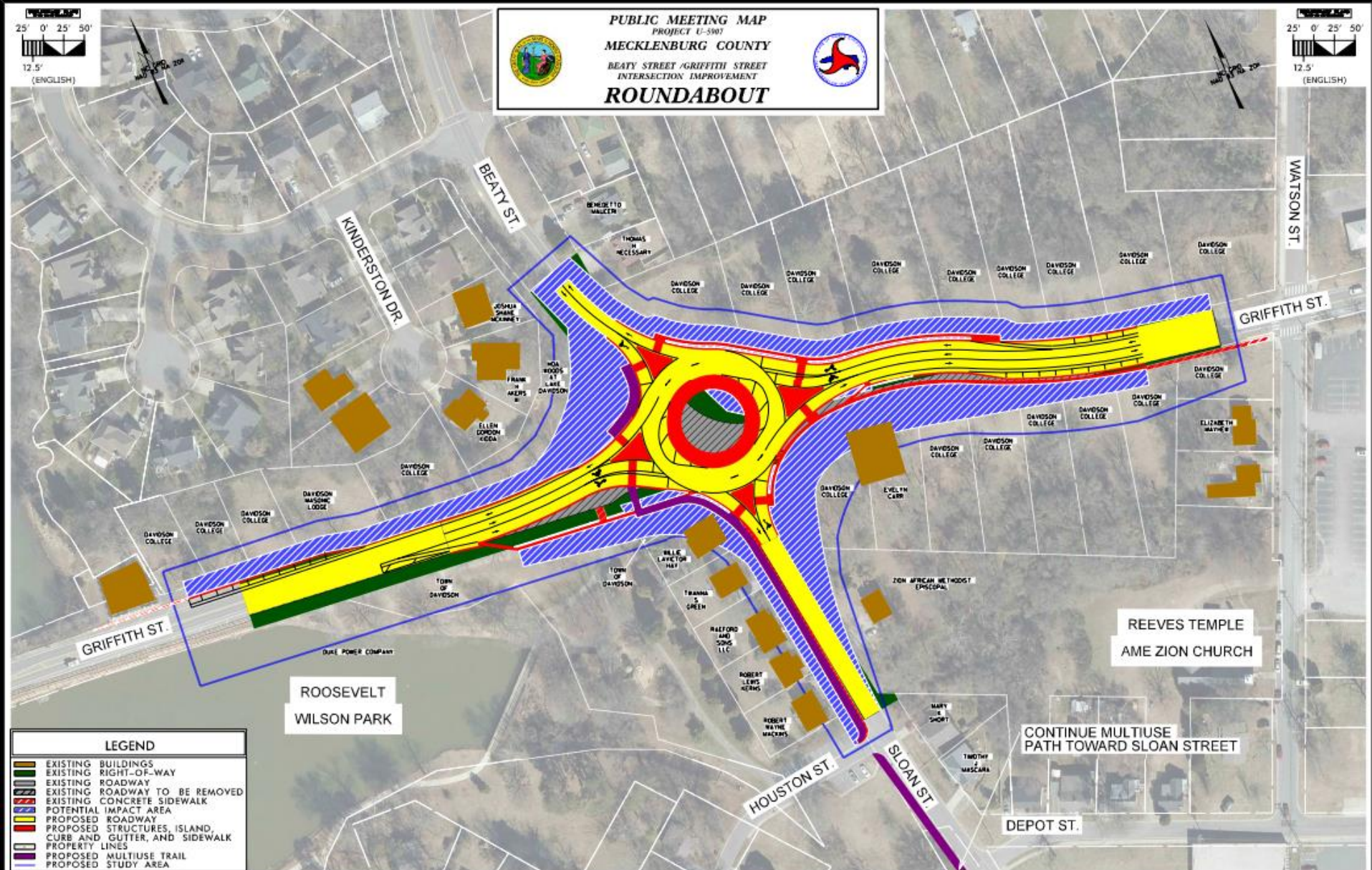
# Connector Alternative Comparison

Alternative #1	Alternative #2	Alternative #3
\$ 740,000	\$ 1,085,000	\$ 1,125,000
Leaves Crane St. as dead end for now	Leaves Potts St. as cul-de-sac	Leaves Potts St. as cul-de-sac
Eliminates potential park site	Sandwiches houses between roadways	Sandwiches houses between roadways
Greater impact to stream	Requires demolition of one house	Requires demolition of one house
Greater loss of tree canopy	Provides connectivity to Crane St.	Provides connectivity to Crane St.

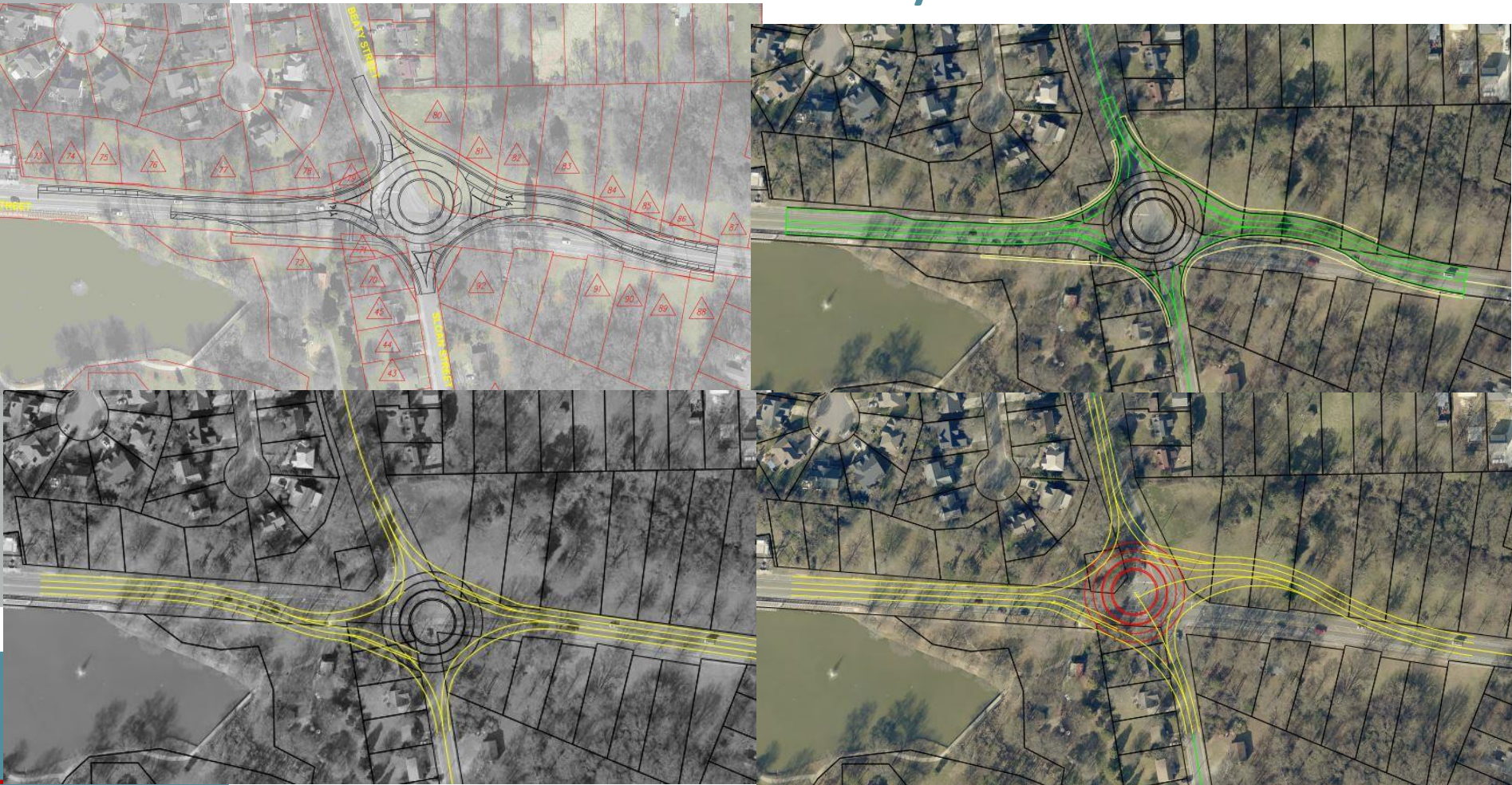


# Roundabout at Beaty/Griffith

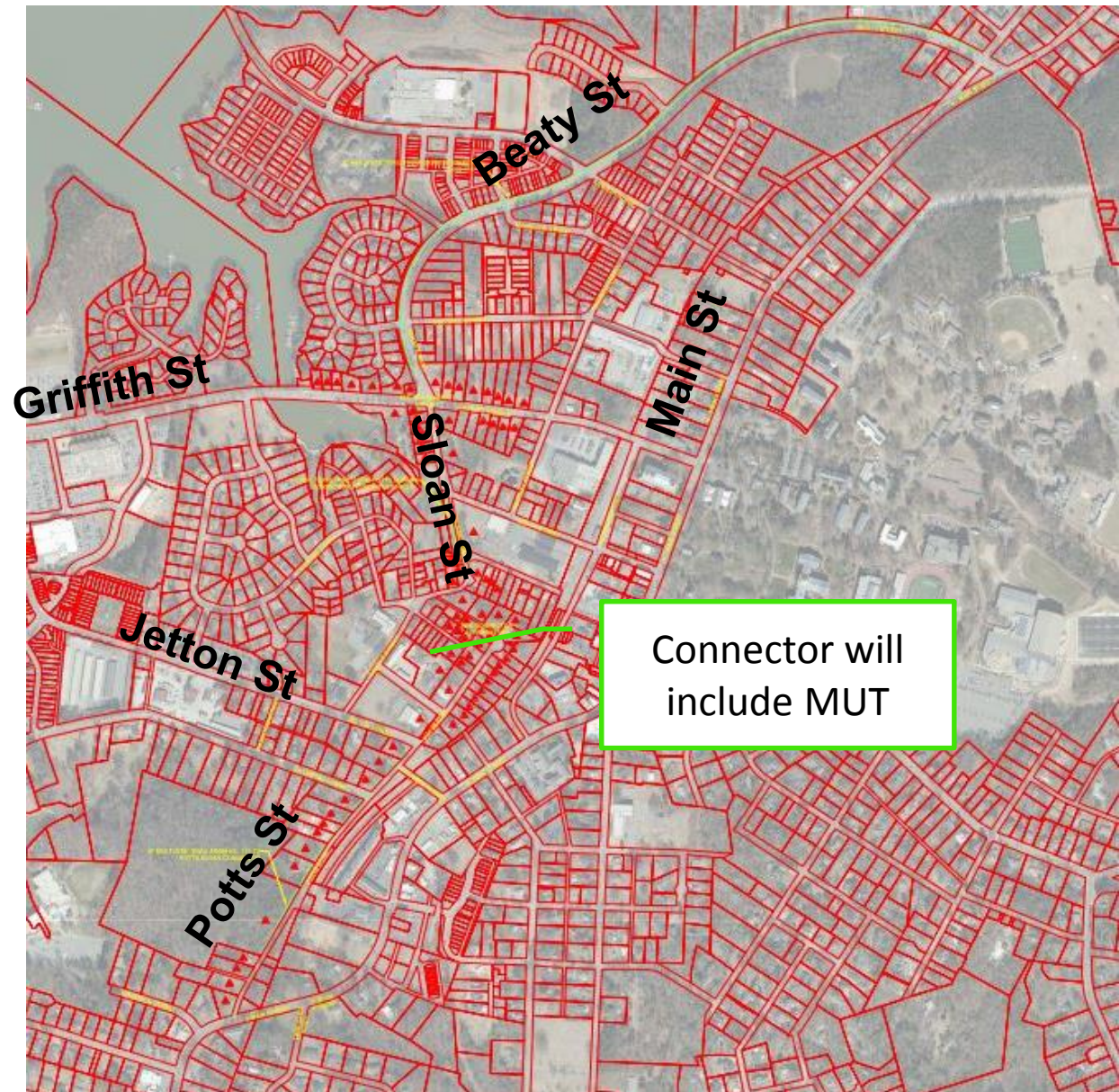




# Roundabout at Beaty and Griffith



# Multi-Use Trails (MUTs)



# Construction Costs

Roundabout	1,600,000
MUT – Potts Street from NC 115 to Jetton Street	\$ 200,000
MUT – Sloan Street from new connector to Griffith Street	\$ 150,000
MUT – Beaty Street from Griffith Street to NC 115	\$ 350,000

**Note: Does not include Right-of-Way or Utilities**

Costs are planning level only and will change

# Public Comments: Project U-5907

## • Extension

- No preference between extension options
- Concern about additional impacts to homes
- Concern about trucks and additional traffic

## • Multiuse Trail

- Concern about impact to historic homes and district
- Request to move or narrow trail to reduce impacts

## • Griffith/Sloan Roundabout

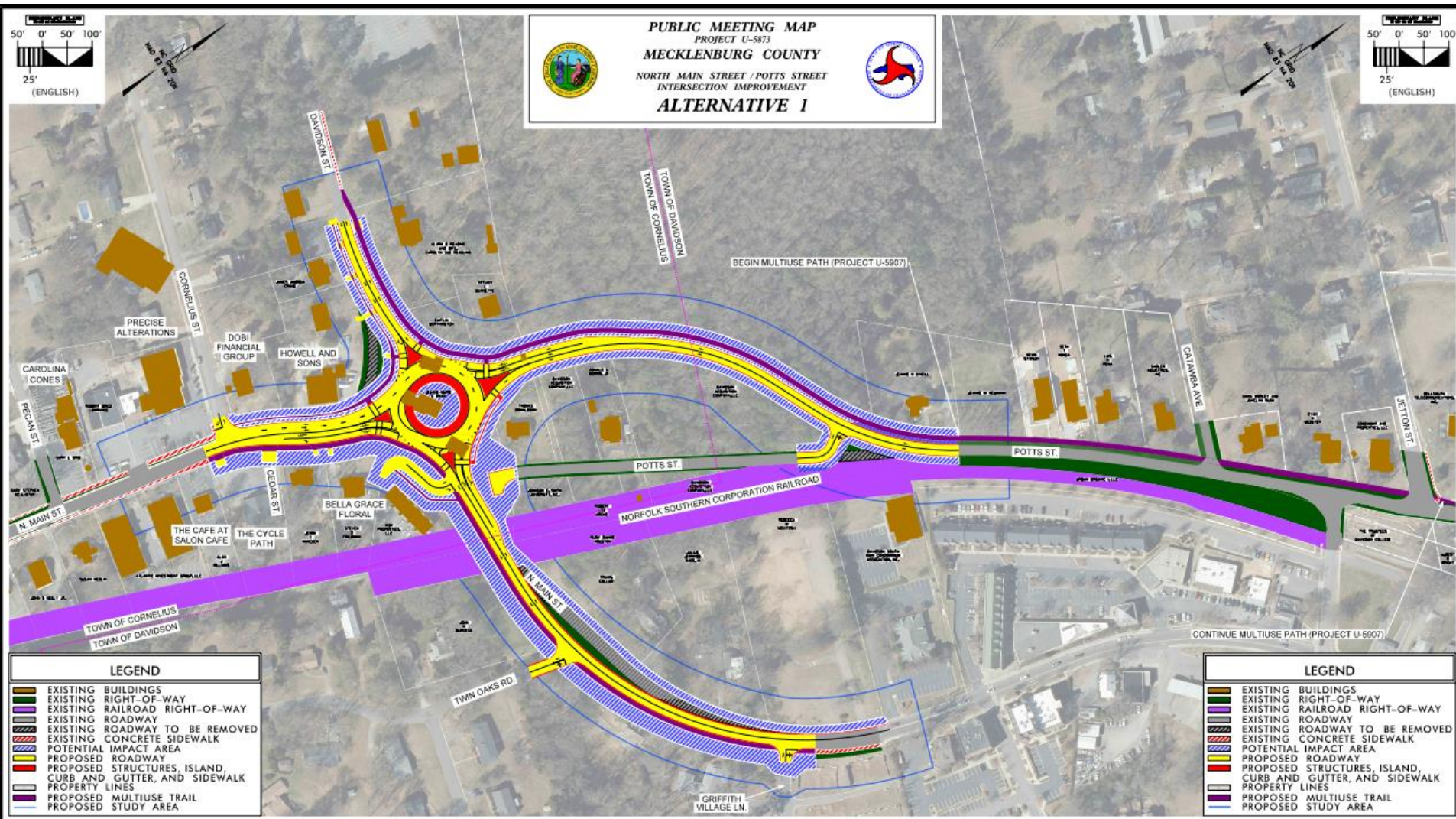
- Traffic calming requested
- Concern about pedestrian and bicyclist safety

# U-5873

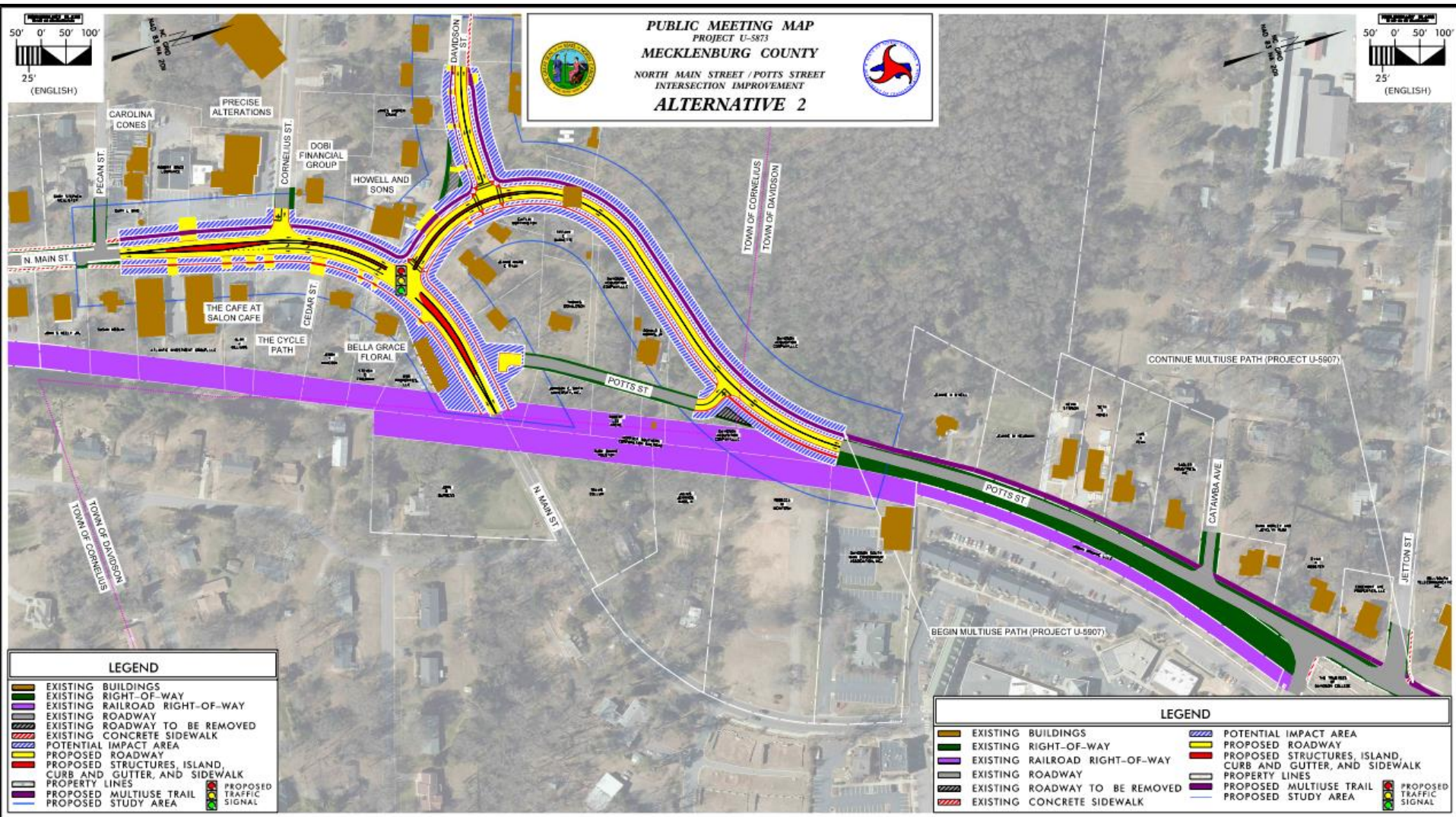
## Potts/NC 115 Intersection

- 2 Alternatives
- Refining design to reduce impacts

# U-5873 – Alternative #1



# U-5873 – Alternative #2



# Public Comments: Project U-5873

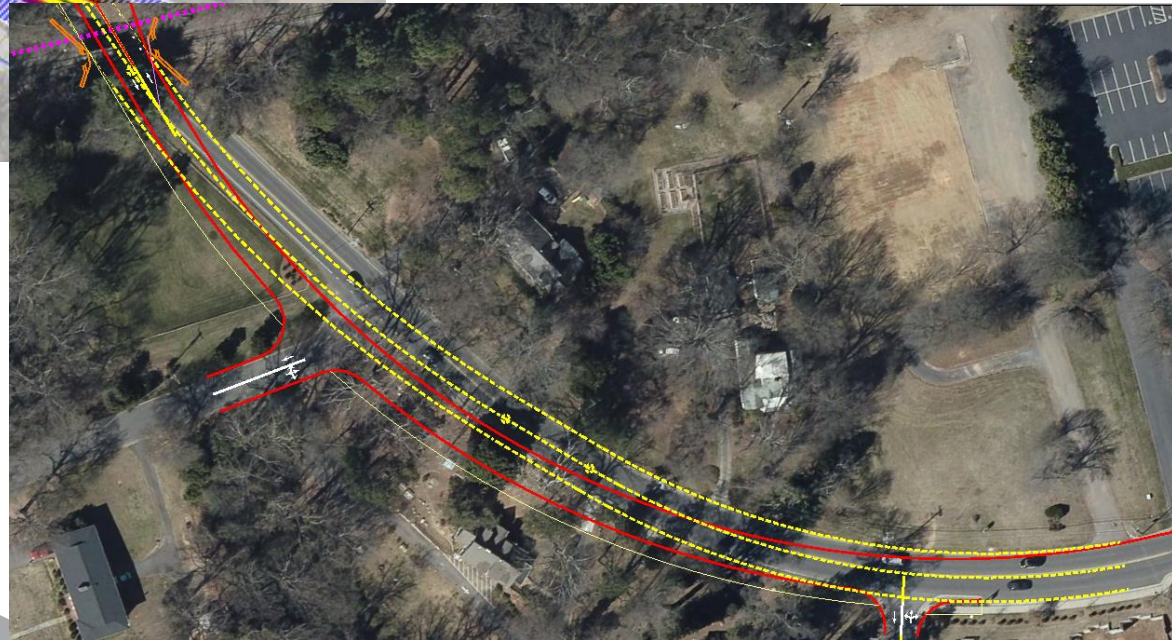
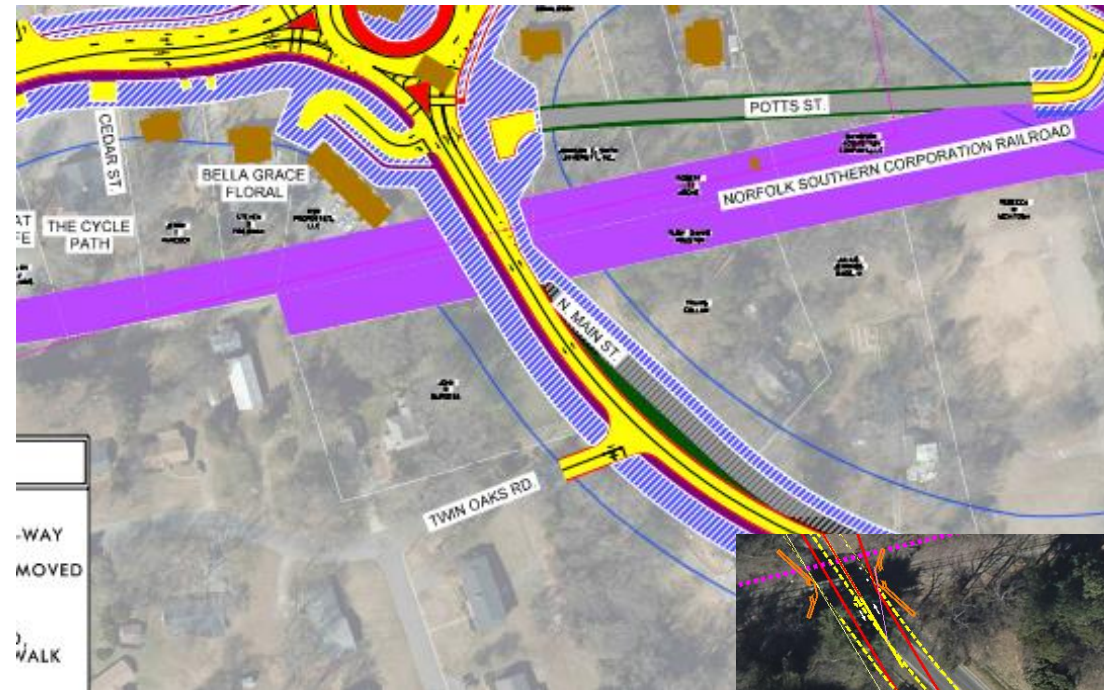
## • Intersection (Cornelius)

- Concern about speed through intersection
- Concern about reduced access to YMCA with intersection
- Concern about queues with intersection
- Request to reduce size of roundabout

## • Pedestrian Path (Davidson)

- Concern about impact to Green School
- Request to eliminate, move, or narrow path

# Refinement Example



# Project Schedule (U-5907 and U-5873)

- ▶ Right of Way Plans Oct 2018
  - ▶ Real Estate Oct 2018 - July 2019
  - ▶ Construction Begins Jan 2020
- 

# Questions?

