

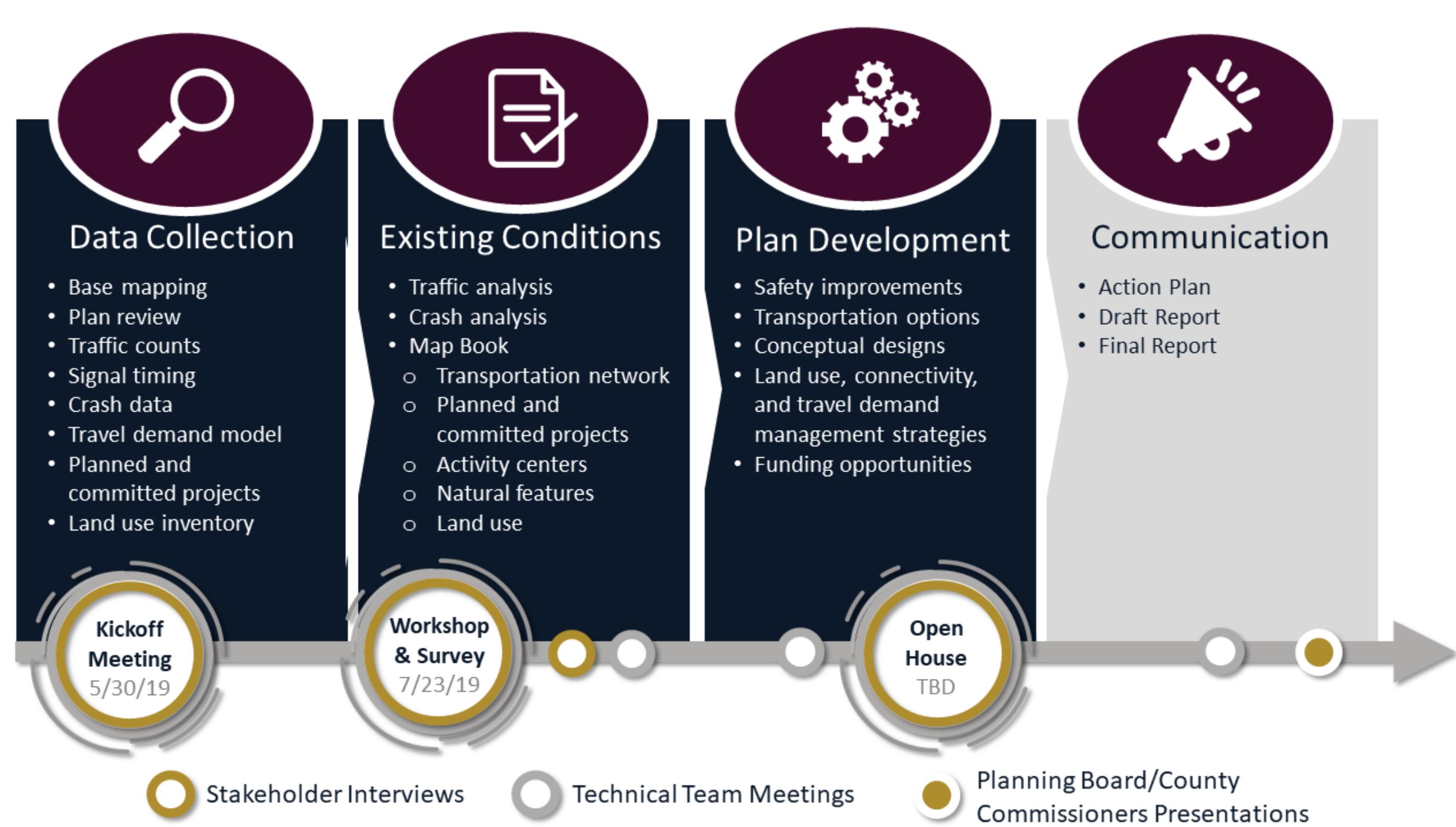
# Project Overview

**Lincoln County is working on a transportation plan for the eastern portion of the county. We're glad you're here to help!**

The Eastern Lincoln Mobility Study is an important step in making the area a better place to live, work, and relax. The study will take a detailed look at existing and projected traffic, analyze crash data, identify potential solutions, and recommend a course of action. Your input is important to understand where the issues are and how we should prioritize solutions. Thank you for joining the conversation!

## The Process

The study process includes four steps. Over the last couple months, the project team has assembled data and begun to analyze existing conditions. Tonight's meeting is the next step in understanding where the trouble spots are today and where they likely will be in the future. A second community workshop will allow you to provide input on preliminary recommendations.



## FAQs

### How will this study make a difference?

The study is an important way for Lincoln County to clearly state its transportation needs. These types of studies have helped other communities position themselves for more funding. The study will include a combination of short- and long-term recommendations and an action plan that identifies potential funding sources.

### What data are you collecting? How are you analyzing it?

Traffic data was collected for 29 intersections, mostly along NC 16 Business, NC 16 Bypass, NC 73, and North Little Egypt Road/St. James Church Road. A traffic model has been created to analyze the data for existing and future year conditions. Visit the traffic station at tonight's meeting for more information.

### How are transportation improvements funded?

From planning and design to right-of-way acquisition and construction, it can take years for larger transportation projects to be funded. An important first step is showing local priorities and community support. The Eastern Lincoln Mobility Study is designed to accomplish that. It's also important that smaller projects be identified so local funds can be set aside or private dollars can be requested during the development process.

### Are any transportation projects on the horizon?

Yes! Some big projects are on the horizon, including a new interchange on the NC 16 Bypass and improvements to NC 16 Business and NC 73. The study will take into consideration several projects that have been approved and are in various stages of design and implementation.

### How is recent (and upcoming) development being considered?

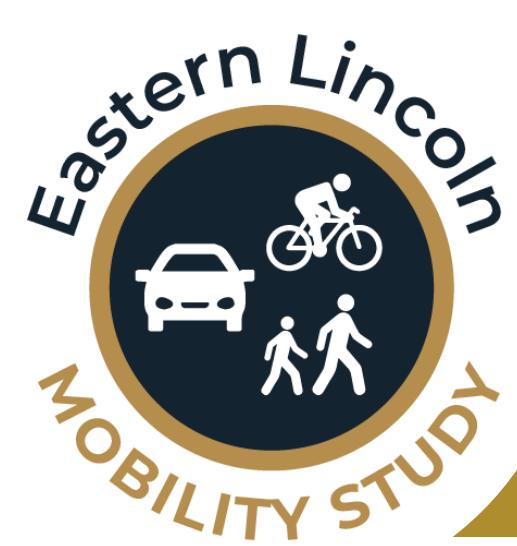
Eastern Lincoln County continues to be an attractive place for newcomers. The traffic model takes into account recent and upcoming development when forecasting future traffic.

### Who is going to fund the transportation improvements?

Potential projects will be prioritized and placed in implementation tiers for funding by the County, state, and developers. That's why it's important that the process include representatives from the County, NCDOT, and the Gaston-Cleveland-Lincoln Metropolitan Planning Organization. We're also involving a variety of local stakeholders.

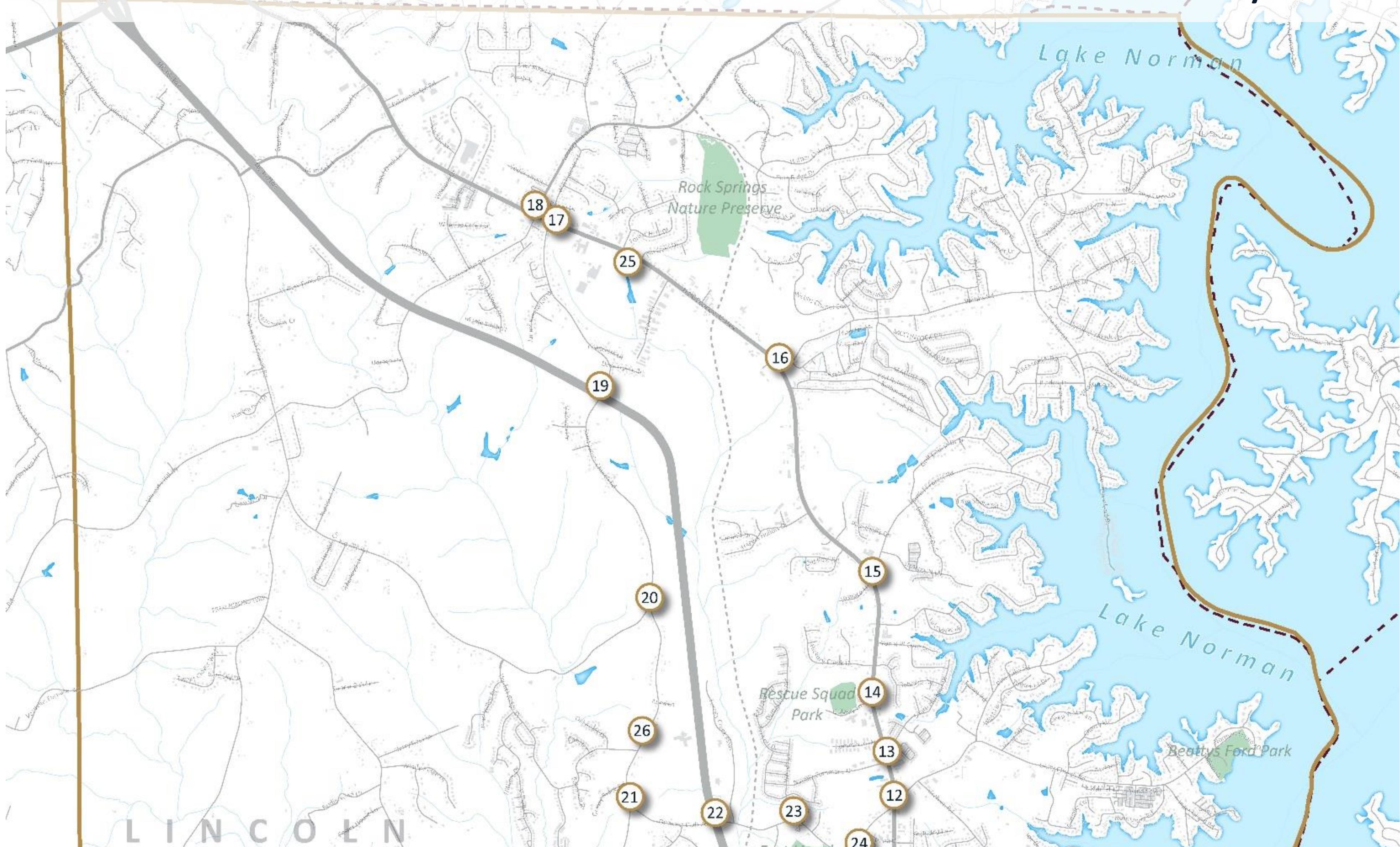
### How can I be involved?

Being here tonight is a great way to start. The project website will include the latest information on the study. We'll host another community meeting for you to see the preliminary recommendations. You also can help by encouraging your friends and neighbors to take the online survey.

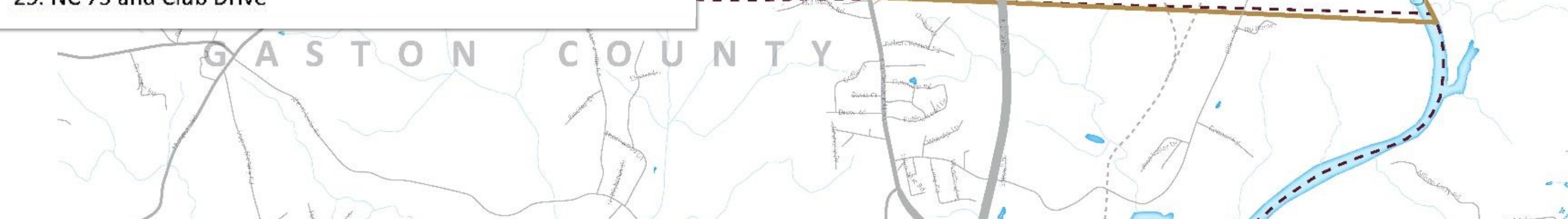


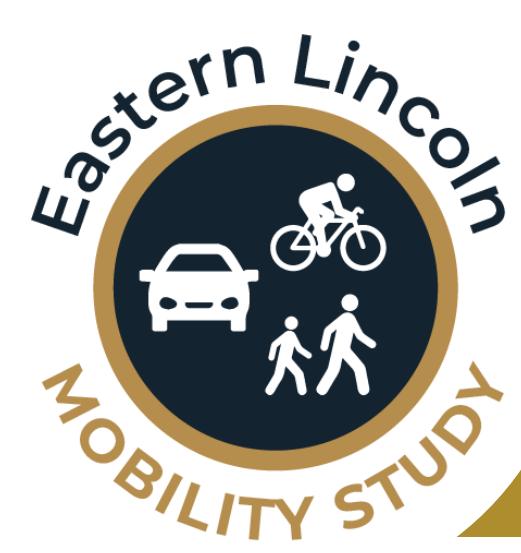
# Study Area

The study area includes NC 16 Business, North Little Egypt Road/ St. James Church Road, and NC 73. The study area includes 29 intersections that have been identified for detailed analysis.



1. NC 73 and N. Little Egypt Road
2. NC 73 and NC 16 SB Ramps
3. NC 73 and NC 16 NB Ramps
4. NC 73 and Walmart/Lowes western site access
5. NC 73 and Walmart /Lowes eastern site access
6. NC 74 and NC 16 Business
7. NC 16 Business and Waterside Crossing Boulevard
8. NC 16 Business and S. Pilot Knob Road
9. NC 16 and Cresset Dellinger Drive
10. NC 16 Business and N. Pilot Knob Road
11. NC 16 Business and S. Triangle Circle
12. NC 16 Business and N. triangle Circle/Unity Church Road
13. NC 16 Business and Natalie Commons Drive
14. NC 16 Business and Galway Lane
15. NC 16 Business and Fairfield Forest Road
16. NC 16 Business and Webbs Road
17. NC 16 Business and St James Church Road/Will Proctor Street
18. NC 16 Business and Campground Road
19. NC 16 and St James Church road
20. St. James Church Road and Kidville Road
21. St. James Church Road and Optimist Club Road
22. NC 16 and Optimist Club Road
23. Optimist Club Road and Wood Lane
24. Optimist Club Road and triangle Circle
25. NC 16 Business and Rock Springs Elementary School\*
26. St James Church Road and St James Elementary\*
27. N. Little Egypt Road and Catawba Springs Elementary \*
28. NC 73 and Pilot Knob Road (N-S)
29. NC 73 and Club Drive





# Growth and Development

**16.8%**  
POPULATION GROWTH  
FROM 2010–2018

**40%**  
OF HOMES  
built since 2000

**57%**  
INCREASE IN RETAIL TRADE JOBS  
BETWEEN 2011 AND 2015

**\$500K  
OR MORE**  
VALUE OF **1 OUT OF 3** HOMES

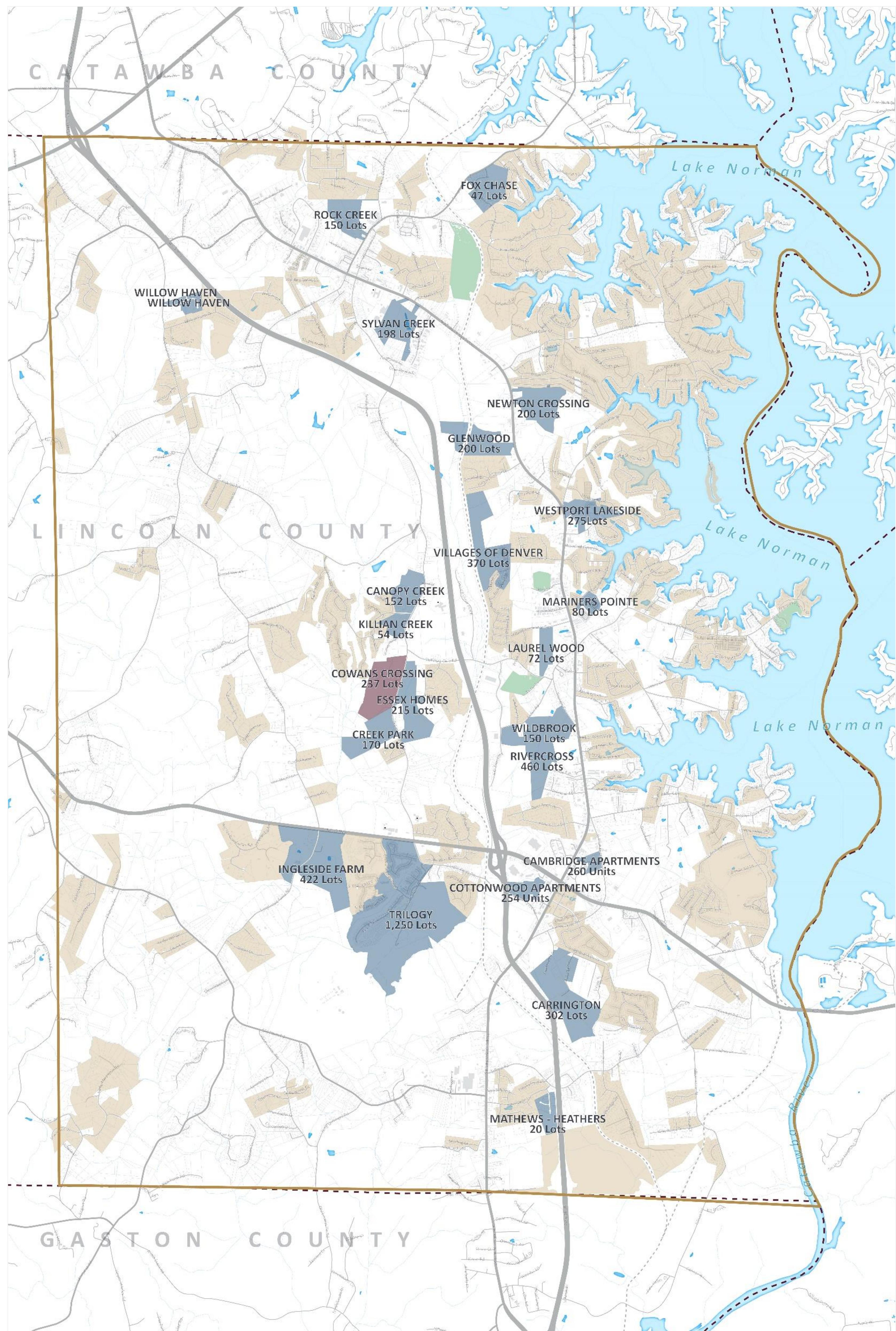
**13.6%**  
INCREASE IN  
MEDIAN HOME VALUE  
THROUGH 2023

Eastern Lincoln County continues to be an attractive place for newcomers. The traffic model takes into account recent and upcoming development when forecasting future traffic. This map shows existing residential subdivisions, approved subdivisions, and submitted plans in the study area.

**Existing Subdivision**

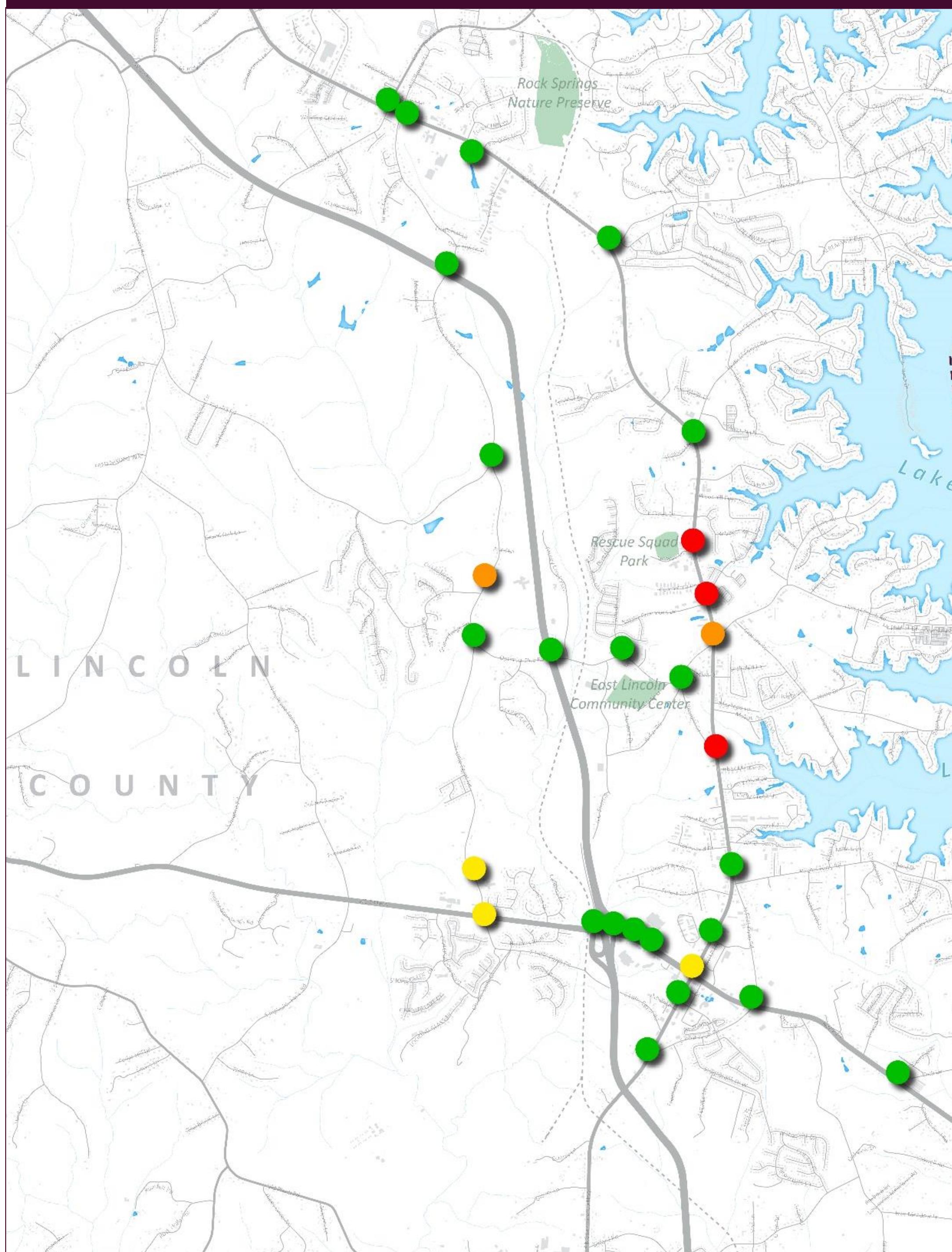
**Approved Subdivision**

**Submitted Plans**

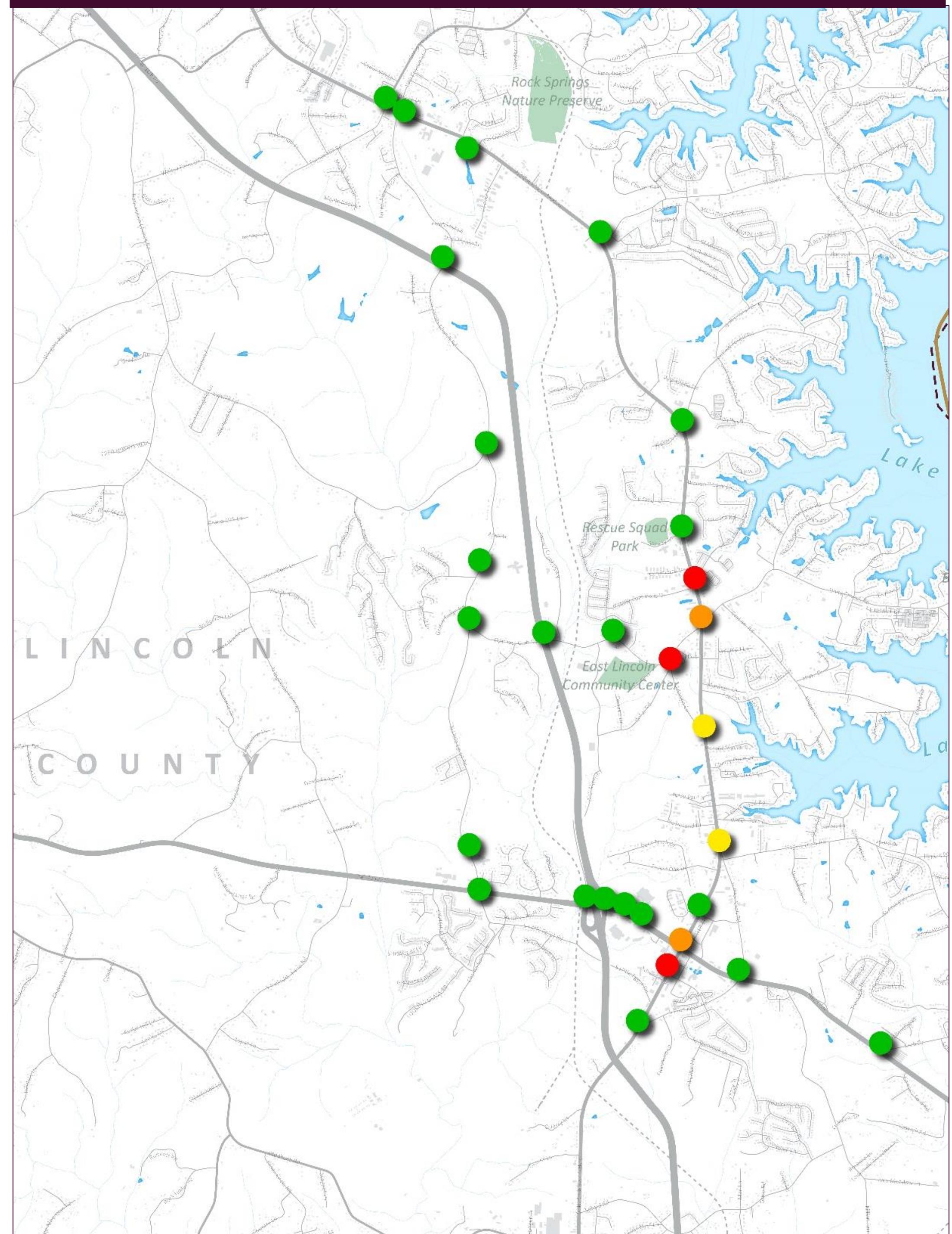


# Traffic Analysis

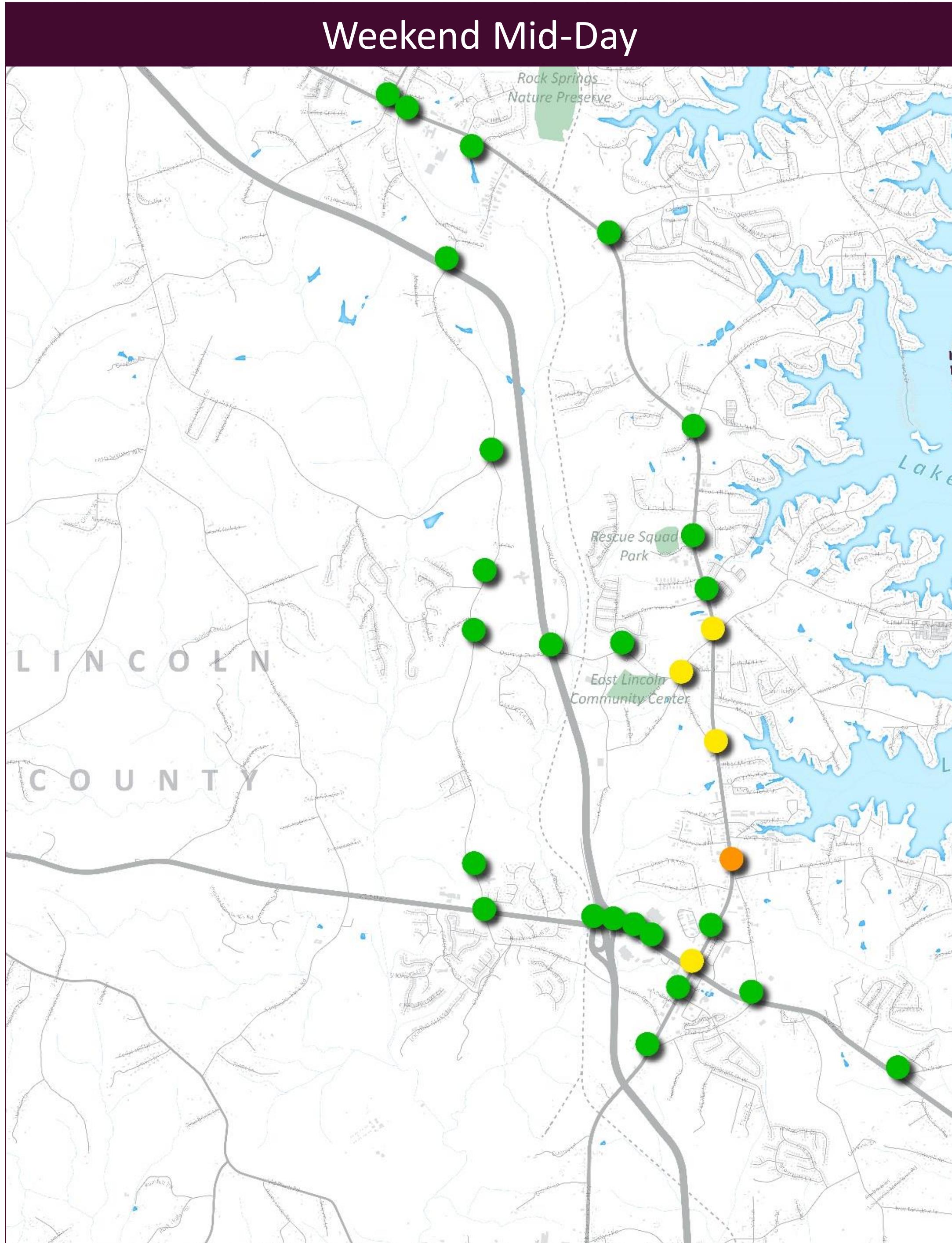
Weekday Mornings



Weekday Afternoons



Weekend Mid-Day



## Data Collection

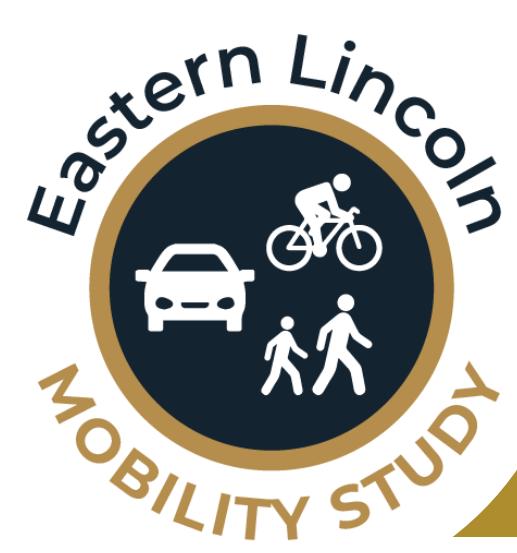
The basic data used to analyze the performance of both signalized and unsignalized intersections are turning movement counts. These counts simply show where traffic travels once it enters the intersection. For example, does traffic traveling north on NC 16 Business continue through the intersection or turn on Unity Church Road. The study area consists of 29 intersections and considered operations for the AM, PM, and Saturday peak hour periods. Data was collected on Thursday, May 16<sup>th</sup> and Saturday, May 18<sup>th</sup>.

## Intersection Level of Service

These maps reflect the intersection level of service (LOS), which is based on the relationship of travel demand compared to the intersection capacity. Six levels of service identify the range of possible conditions. Designations range from LOS A (the best operating conditions) to LOS F (the worst operating conditions).

- Free flow or Near free flow (LOS A, B, C)
- Approaching capacity (LOS D)
- At capacity (LOS E)
- Over capacity (LOS F)

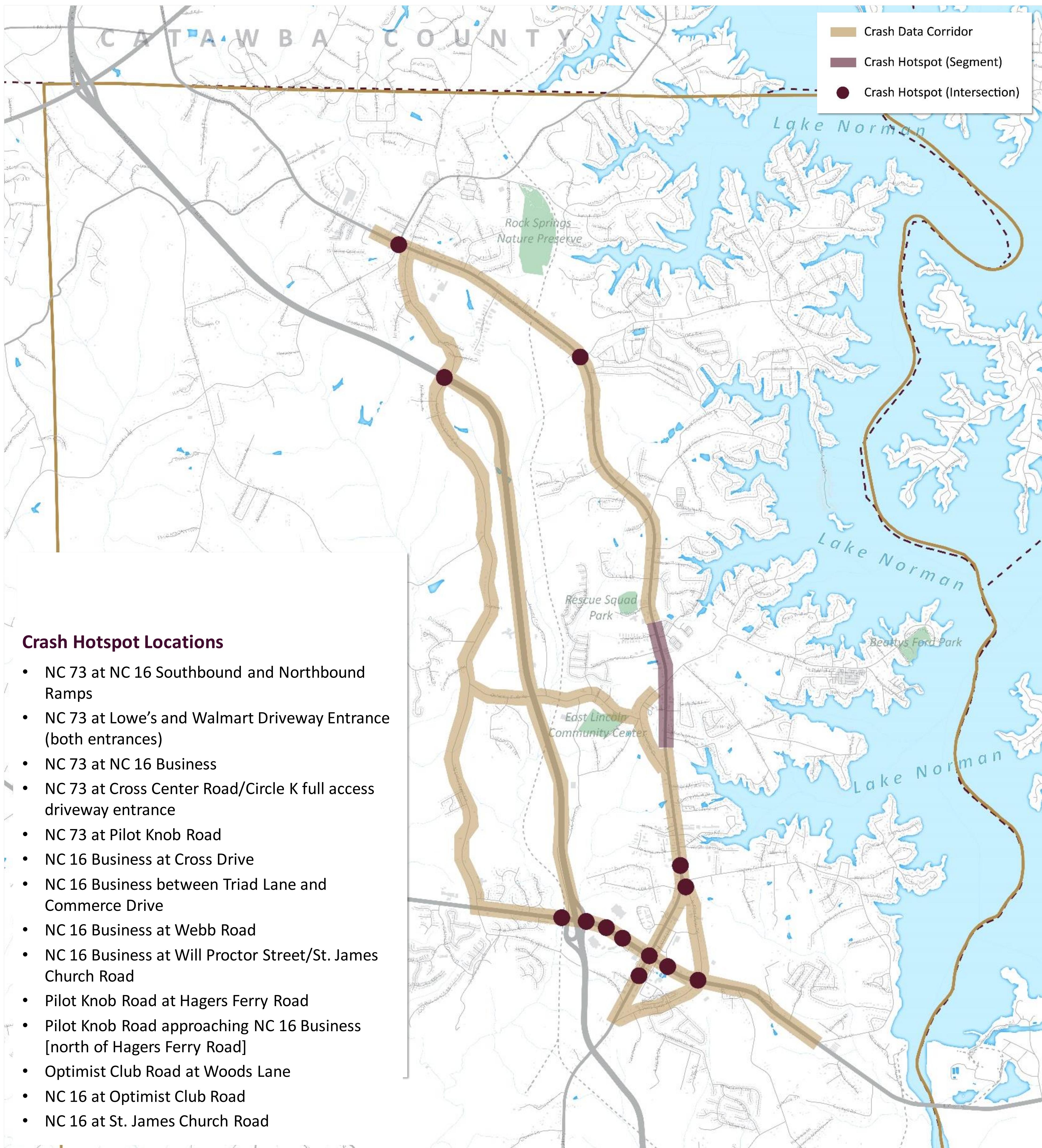
*Visit the traffic station for more information.*



# Crash Analysis

Three-year crash data (from June 1, 2016 to May 30, 2019) was collected for the Eastern Lincoln Mobility Study to capture reported crashes on key roads in the Study Area (shown on the map below). No fatal crashes were reported along the study corridors during the three-year reporting period.

*Visit the traffic station at tonight's meeting for more information.*



# Considerations

The Eastern Lincoln Mobility Study will identify potential transportation projects throughout the study area. The projects will be evaluated based on the following considerations. At today's meeting, you will be asked to tell us which topics are most important to you and answer a few questions.

## Bypass Use

When it was constructed a few years ago, the NC 16 Bypass helped improve traffic and safety conditions in the area. Could more be done to increase use of the Bypass to help routes such as NC 16 Bypass?

## Connectivity

Improving connectivity of the road network helps relieve some of the pressure on the most heavily traveled routes. It does so by giving people options in the routes they choose to use.

## Cost and Implementation

How much a project will cost and how easily it can be implemented varies based on a lot of different factors. Some projects are lower cost but still help improve conditions, while other projects are expensive but have a more substantial impact on the transportation system.

## Economic Development

The presence of a safe and efficient transportation system is often cited as an important factor when individuals and companies decide to invest in an area. Transportation projects both big and small can make a difference.

## Land Use Considerations

The transportation system greatly influences development patterns by dictating the most convenient routes of travel. Likewise, the context of surrounding development can affect how easy it is to travel through an area.

## Safety

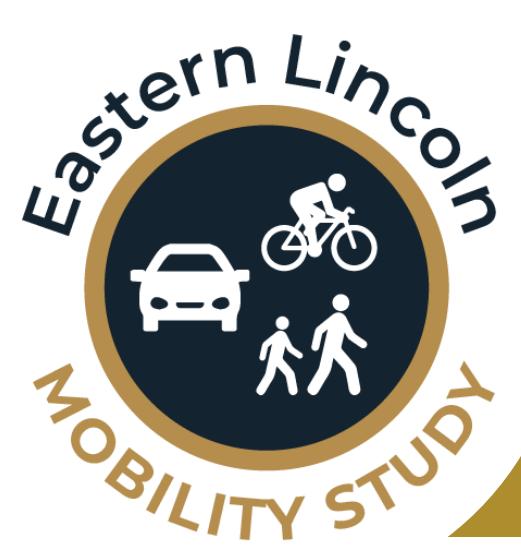
Crashes can occur at any time and at any location. Reducing how often crashes happen and how severe crashes are when they do occur is important during planning and design.

## Traffic

Traffic often serves a daily reminder of growth and changes that have occurred over a period of time. While we can't build enough roads to make traffic issues go away, we can make strategic decisions in which transportation projects we prioritize.

## Walking & Biking

People walk or bike for a variety of reasons. For some, it's because they enjoy it. For others, it's because they don't have other options. Transportation projects of all sizes can improve conditions for pedestrians and bicyclists.



# MetroQuest Survey

MetroQuest is a quick and fun way to provide input on the Eastern Lincoln Mobility Study. The survey takes just a few minutes to complete and includes many of the questions you were asked in tonight's meeting. The survey is a great way to encourage your friends and neighbors who could not be here to participate in the process. Spread the word!

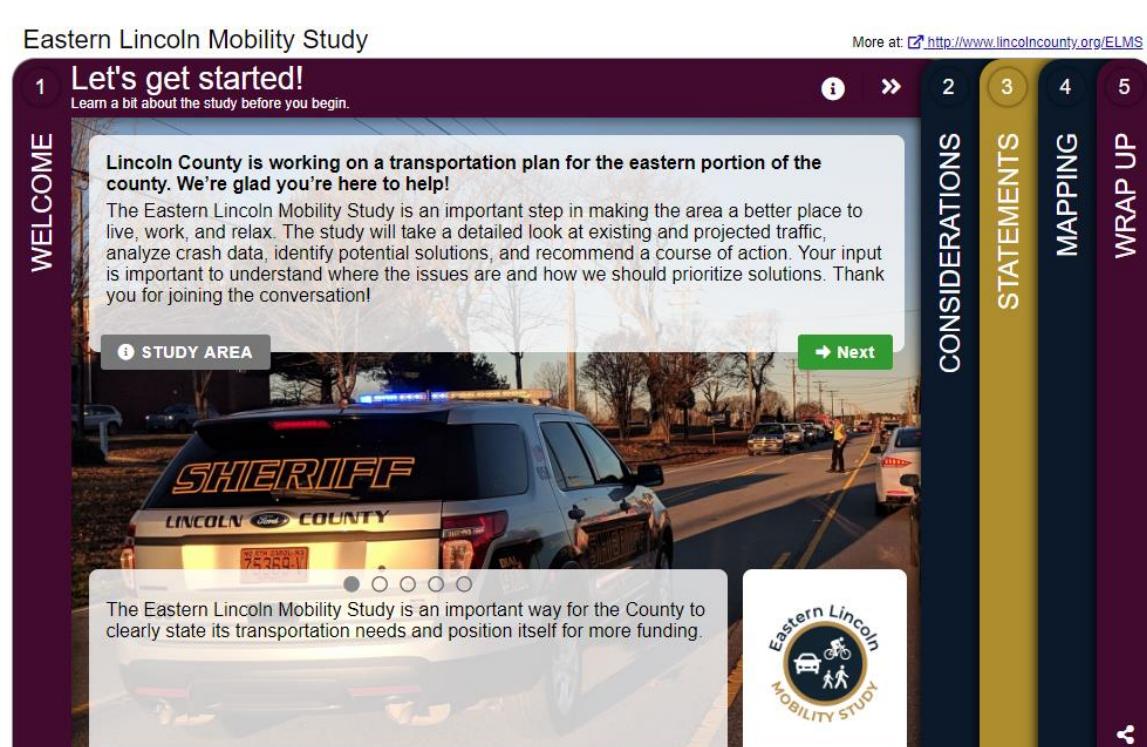
**Visit the project website to take the survey!**

## [www.lincolncounty.org/ELMS](http://www.lincolncounty.org/ELMS)

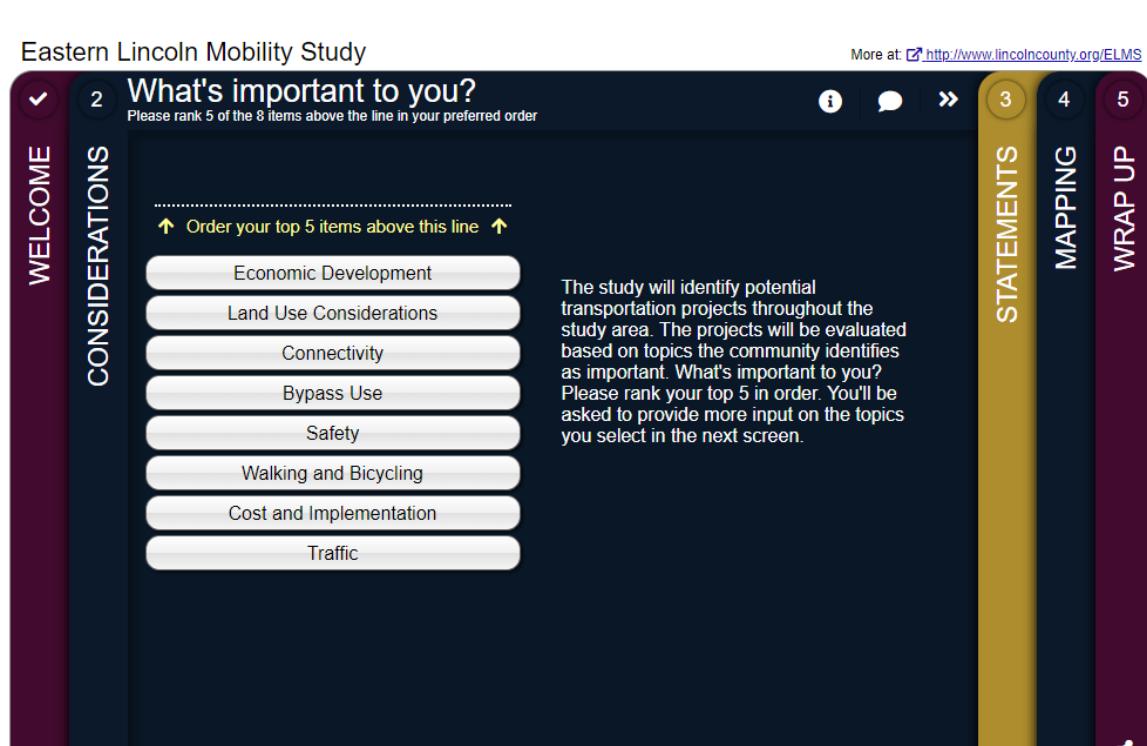
### At a Glance

The online survey includes five interactive screens.

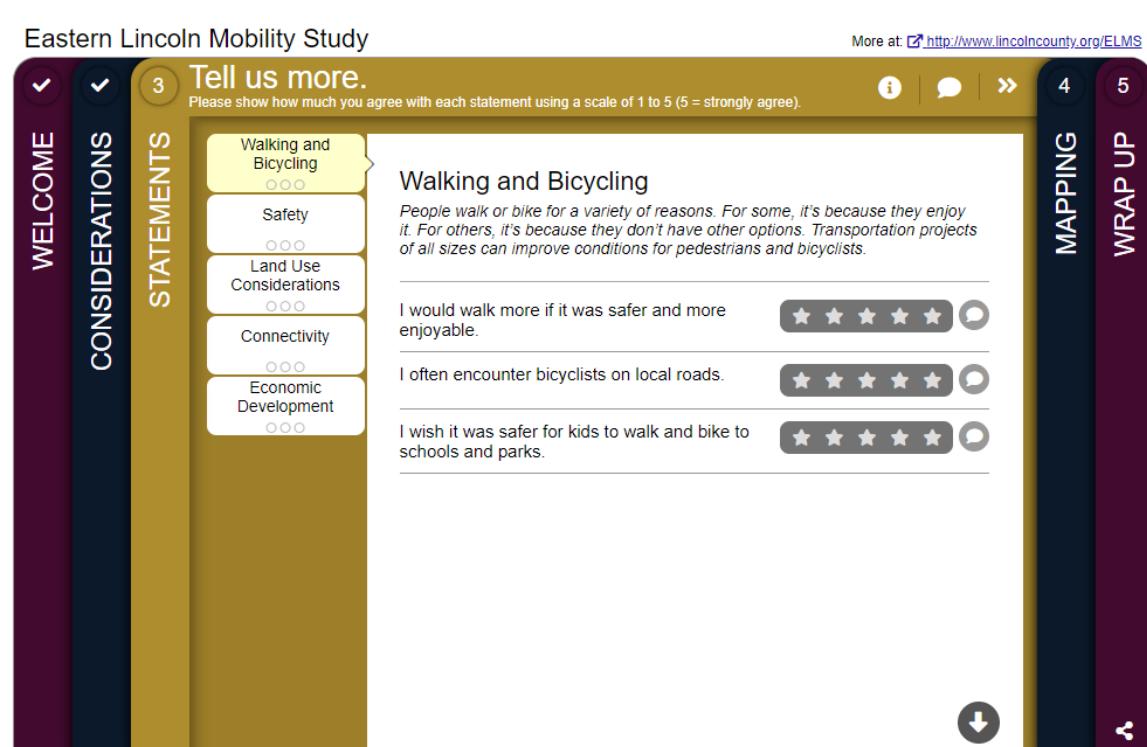
**Screen 1** provides a brief introduction to the study.



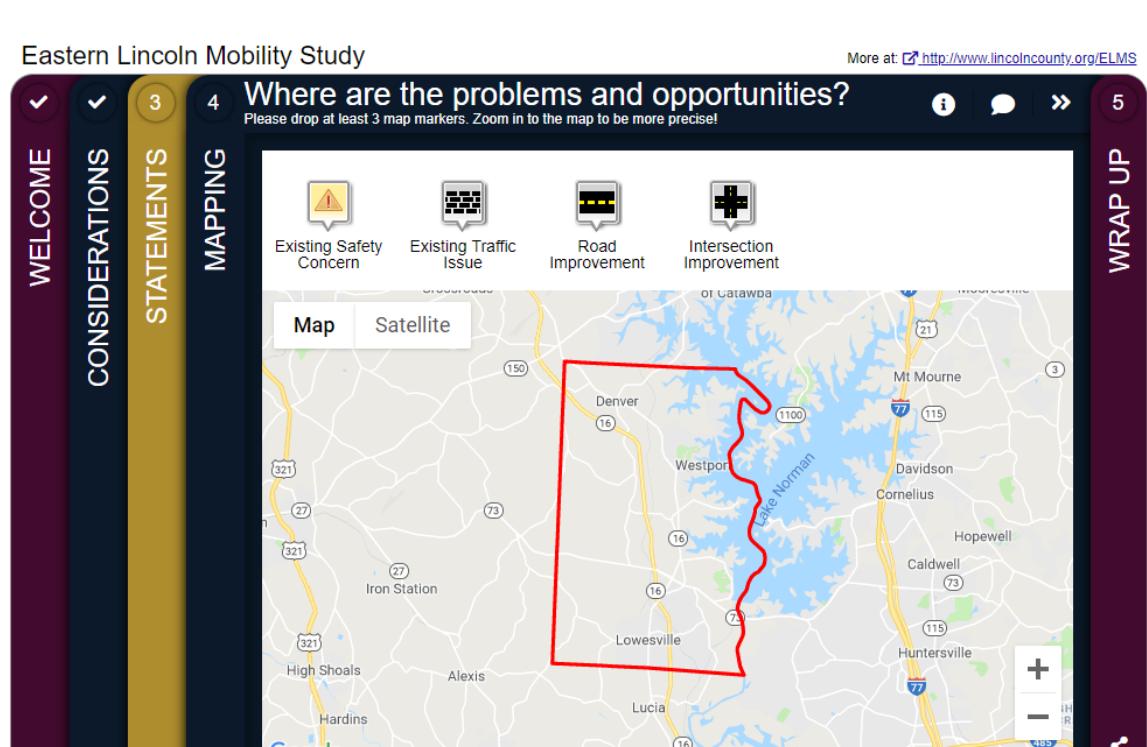
**Screen 2** asks participants to rank five of the eight considerations.



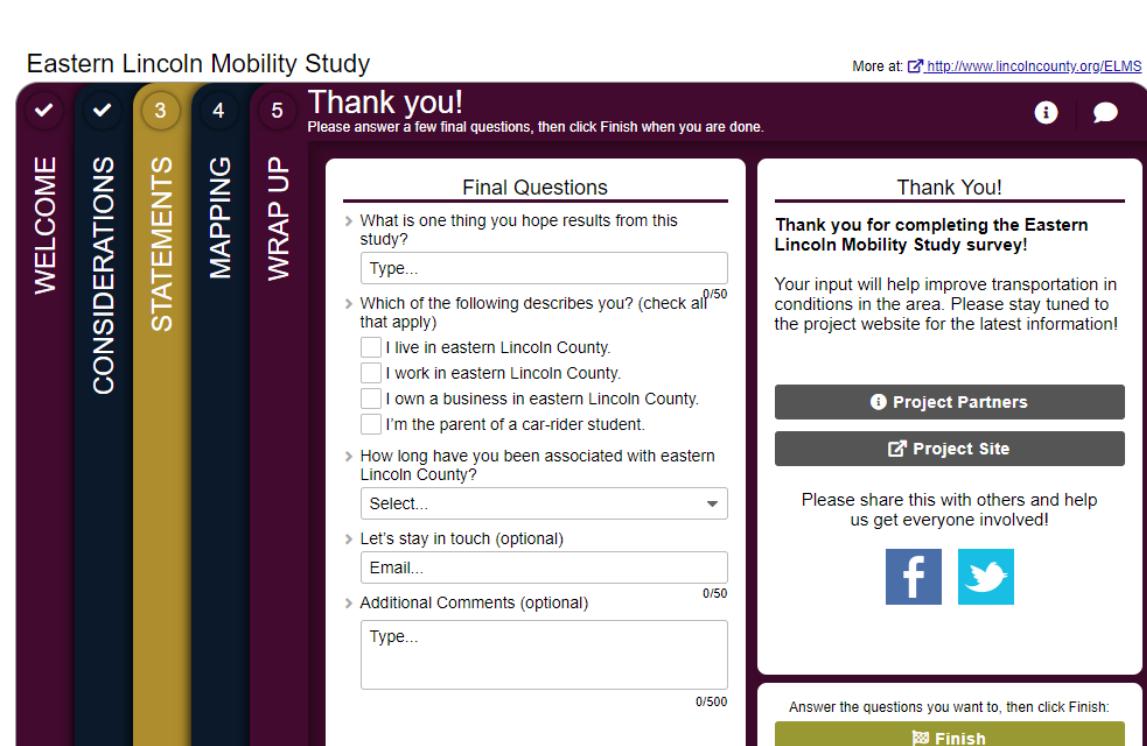
On **Screen 3**, participants show how much they agree with three statements for each of the considerations they ranked on the previous screen.



On **Screen 4**, participants use a map to identify concerns and potential improvements.



**Screen 5** asks a few final questions.



**Spread the word!**

**Take a stack of cards and give one to a friend, neighbor, or co-worker!**

**Tired of dancing in traffic?  
Take 5 minutes to make it better.**



**Eastern Lincoln  
MOBILITY STUDY**

**Take the Survey!**

[www.lincolncounty.org/ELMS](http://www.lincolncounty.org/ELMS)