



U.S. 421 Intersection Improvements

Between Colonial Trading Path/Shiloh Road
to Starmount Road/Shiloh Road

State Transportation Improvement Program Project No. HE-0004

August, 2022
Randolph County

PROJECT DESCRIPTION

The N.C. Department of Transportation is proposing roadway improvements along the section of U.S. 421 between Colonial Trading Path/Shiloh Road and Starmount Road/Shiloh Road in support of the Greensboro Randolph Megastite.

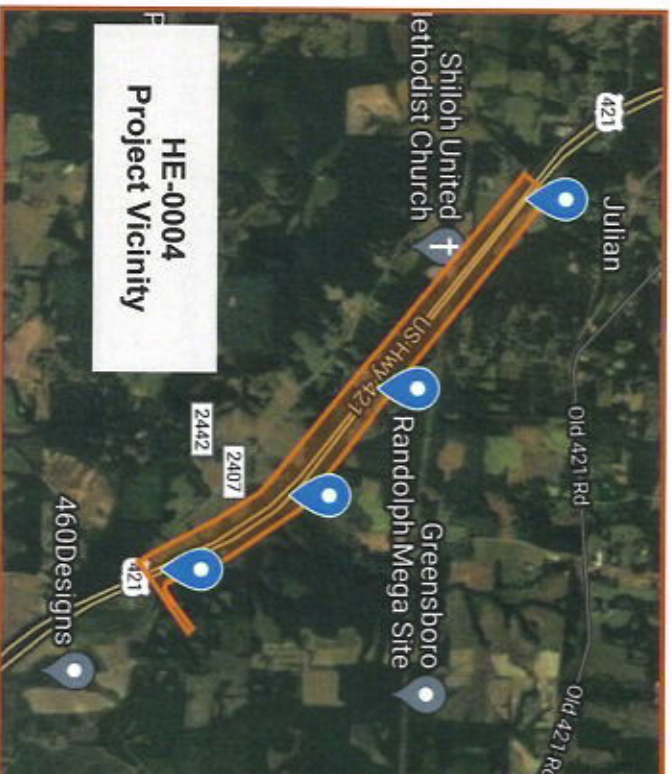
This project is included in the State Transportation Improvement Program (STIP) as Project No. HE-0004 and is currently scheduled for right of way acquisition and construction in Fall 2022.

PUBLIC INVOLVEMENT

Public Meetings are an important step in the N.C. Department of Transportation's procedure for making you, the public, an integral part of the project development process. Our goal tonight is to update you on the project development process, present the proposed roadway designs, and gather your input on the project. Project team members are available to provide information on the project and answer any questions or receive any comments you may have.

Your input helps guide our planners and engineers to develop transportation solutions that complement the community's goals and visions. A comment form is included with this handout. You may leave the comment form here with us tonight or e-mail or mail it to us through September 13, 2022. You may also submit comments directly on the project website by phone or by email.

In this handout will find background information on the proposed project, updates on the project process and schedule, the typical section, and descriptions of important project attributes.



PROJECT SCHEDULE

Milestone	Date/Year
Environmental Document	September 2022
Right of Way Acquisition	Fall 2022
Construction Begins	Fall 2022

ESTIMATED COSTS

Estimates for Right-of-Way, Utilities, and Construction are under development at this time and will be posted on the webpage as they become available.

Access the
Project Webpage

<https://publicinput.com/US421-RandolphCounty>

Comments may be submitted online or emailed to:

US421-RandolphCounty@Publicinput.com



Comments should be submitted by:

September 13, 2022

Project Overview

PROJECT PURPOSE

In December 2021, the Greensboro-Randolph Megastie was chosen as the location for Toyota's new \$1.29 billion automotive battery manufacturing plant. This plant will be named the Toyota Battery Manufacturing, North Carolina (TBMNC) and is expected to begin operation in 2025.

The local road system will not be able to provide the necessary capacity and the desired access to function adequately.

U.S. 421 serves as an important north-south facility for residents from several smaller cities and towns as access to Greensboro. The existing roadway network would not be able to accommodate a heavy increase in peak hour traffic.

Upgrading the at-grade intersections interchanges will allow for these expected volumes.

Proposed Improvements

The proposal is to convert three at-grade intersections on U.S. 421 and make other improvements in Randolph County near the Guilford County line. #

Improvements include: #

Conversion of at-grade intersections to interchanges

- Colonial Trading Path/Shiloh Road (S.R. 2407) #
- Julian Airport Road (S.R. 2502) #
- Shiloh/Starmount Road (S.R. 2407) #

Closure of at-grade intersection

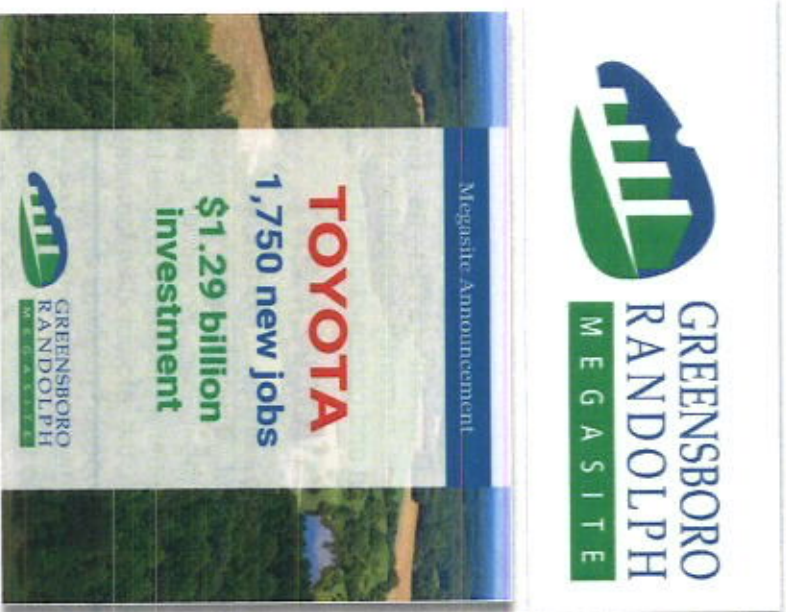
- Browns Meadow Road (S.R. 2408) #

Intersection realignments

- Shiloh Road/Colonial Trading Path (S.R. 2407)/U.S. 421 #
- Old Red Cross Road (S.R. 2403)/Shiloh Road (S.R. 2407) #
- Old Red Cross Road (S.R. 2403)/Harold Meadow Road (S.R. 2404) #

#

The purpose of the U.S. 421 interchange project is to improve traffic operations and enhance safety within the study area by providing effective access to U.S. 421 from the local roadways.



Roundabouts

The N.C. Department of Transportation constructs roundabouts to improve safety for drivers, pedestrians and bicyclists. They also help reduce the congestion and backups more typical of traditional intersections with stop signs and traffic signals. A driver generally enters the roundabout more quickly than if waiting at a traffic signal. In addition, the modern roundabout is much smaller than older traffic circles and requires vehicles to travel at lower speeds (15–20 mph), making them safer than traffic circles.

For more information on Roundabouts, visit: <https://bit.ly/3Azyd20>

Colonial Trading Path / Shiloh Road Interchange

The new interchange will include 2 roundabouts.

As shown below they will be located at the top of the on/off ramps on either side of U.S. 421.



Shiloh Road / Starmount Road Interchange

The new interchange will include 2 roundabouts.

As shown below they will be located at the top of the on/off ramps on either side of U.S. 421.



Typical Sections

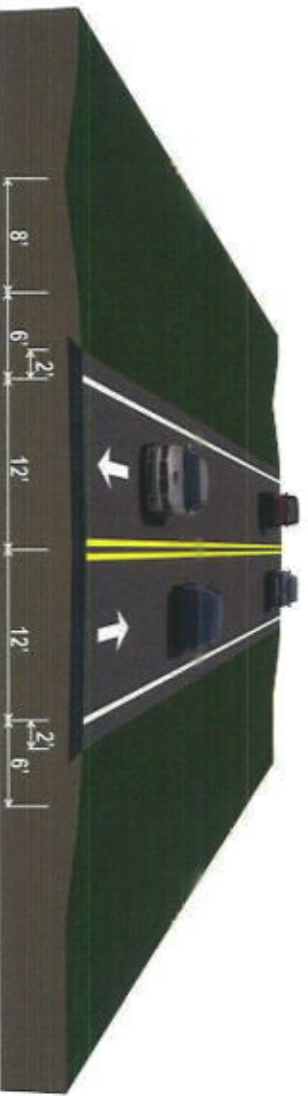
U.S. 421

- The typical section for U.S. 421 includes
 - Two 12-foot through lanes and a 12-foot auxiliary lane in each direction
 - A 4-foot inside shoulder
 - A 12-foot paved outside shoulder
 - A 100 to 200-foot median



Colonial Path/Shiloh Road, Harold Meadows Road, Old Red Cross Road and Julian Airport Road

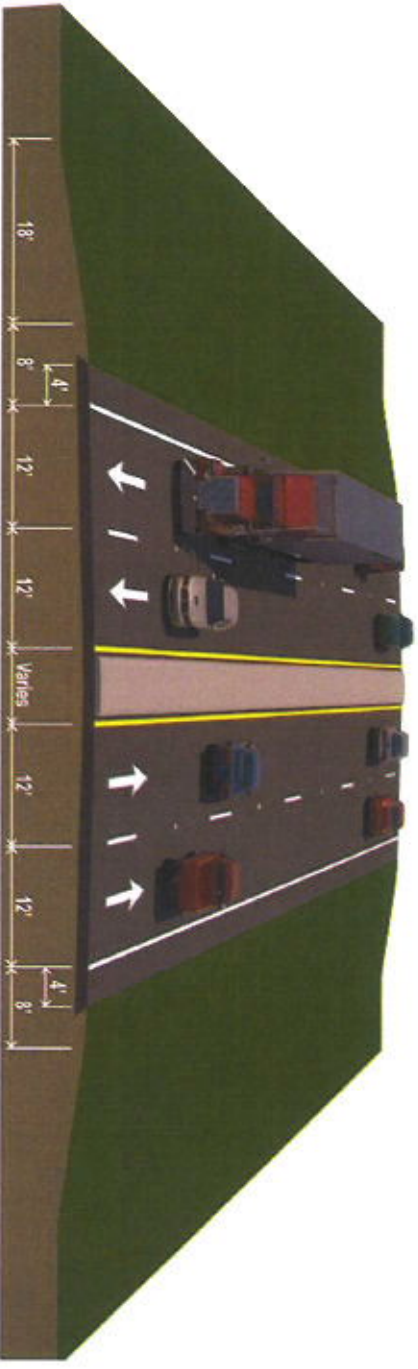
- The typical section for these roadways includes
 - One 12-foot lane in each direction
 - 2-foot inside and outside shoulders



Typical Sections

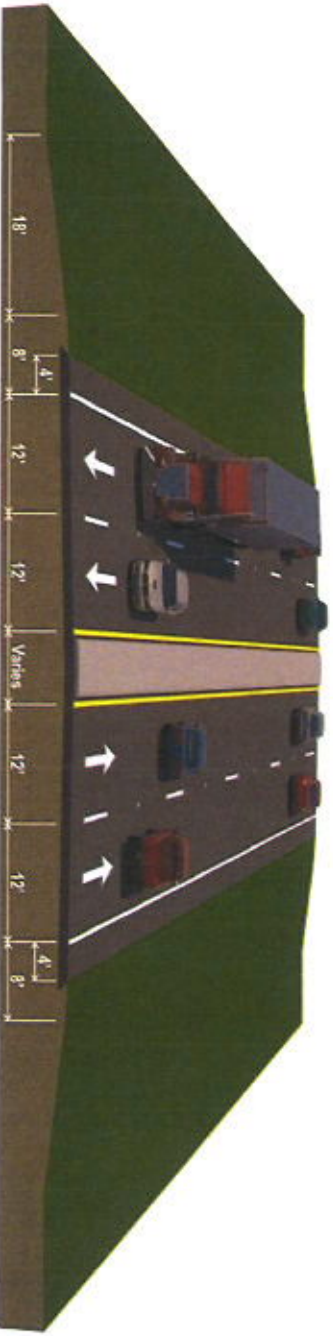
Megasite Northern Access Road

The typical section for the Northern Access Road includes
 Two 12-foot through lanes in each direction (outside lane may vary)
 A 4-foot paved outside shoulder
 A 5-inch high concrete island between directions



Megasite Southern Access Road

The typical section for the Southern Access Road includes
 Two 12-foot through lanes in each direction (outside lane may vary)
 A 4-foot paved outside shoulder
 A 5-inch high concrete island between directions

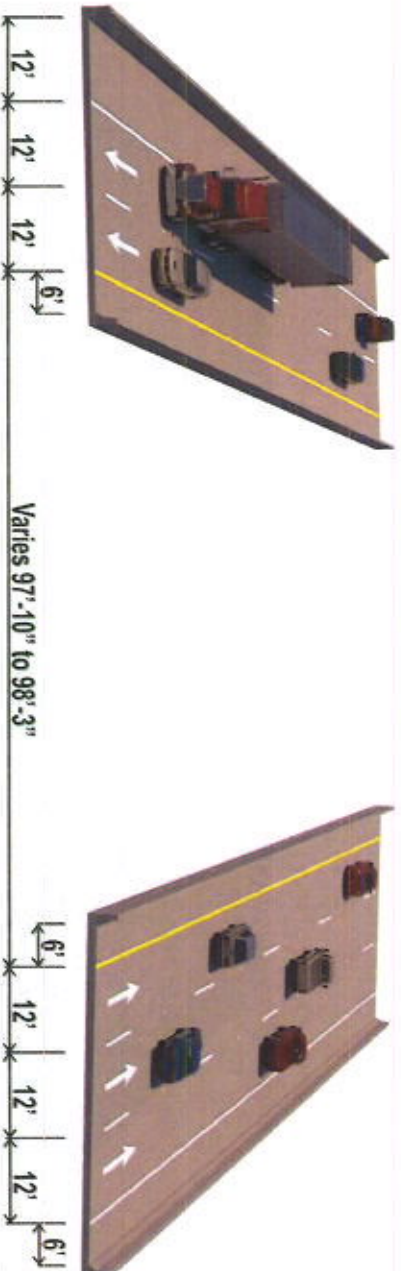


Typical Sections

Bridges on U.S. 421 over Shiloh Road

The typical section for the 2 bridges over Shiloh Road include

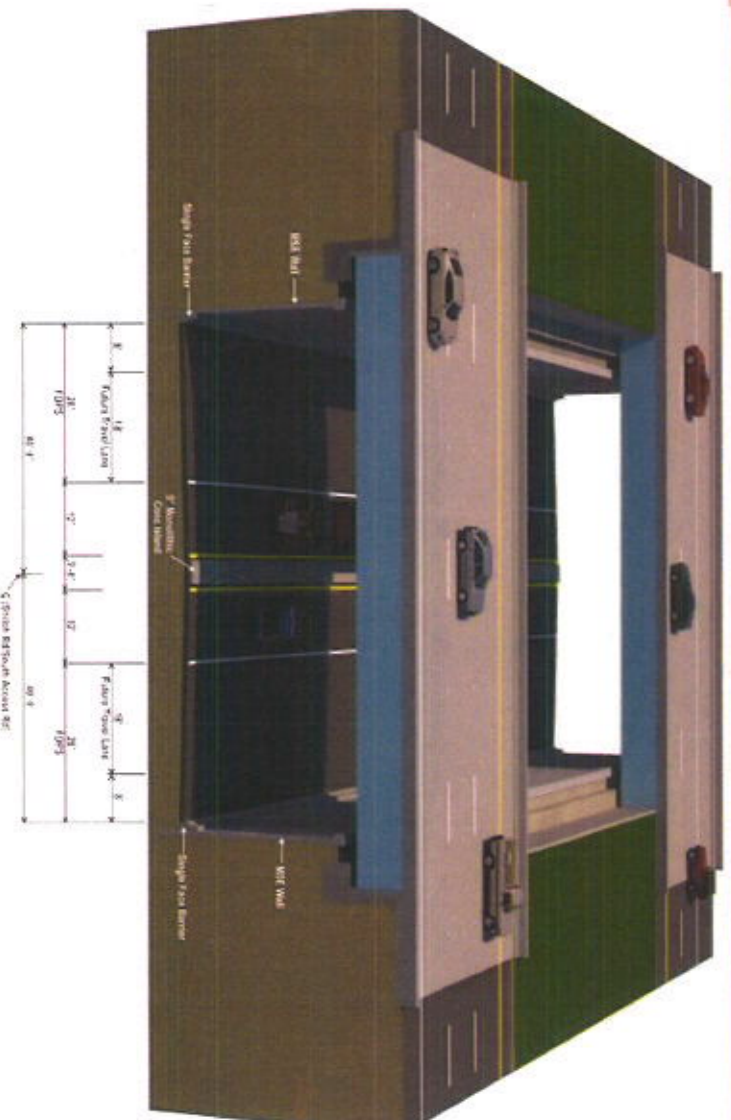
- Northbound:** Two 12-foot lanes
12-foot shoulder on the outside and 6-foot on the inside
- Southbound:** Three 12-foot lanes
6-foot shoulders on each side



Shiloh Road Under New Bridges on U.S. 421

The typical section for Shiloh Road passing under bridges includes

- One 12-foot lane in each direction
- A 5-foot 6 inch concrete island between directions
- One 18-foot future lane in each direction
- An 8-foot shoulder on the outside



Right-Of-Way Process

Once decisions are made regarding the final design of the project, the limits of the project will be staked in the ground. If you are an affected property owner, a Right-of-Way Agent will arrange a meeting with you to explain the plans, how it affects you and your rights as a property owner.

If permanent right-of-way is required, then an appraisal will be completed and an offer will be made to you based on that appraisal. The appraisal will be a fair market appraisal at the highest and best use of that property at that time.

NCDOT's Policy is to:

- Contact affected property owners and conduct Property appraisal
- Treat all owners and tenants equally
- Fully explain the owners rights
- Provide fair market value for property
- Provide relocation advisory assistance

Relocation Assistance

If your business or residence is to be acquired as part of the project, additional assistance in the form of advice and compensation is available.



Get Involved, Stay Informed

Public participation and feedback are integral to the project development process. By sharing your ideas and concerns, you can help us identify appropriate transportation solutions in your community.

For more information about this project and to provide feedback, please visit

<https://publicinput.com/US421-RandolphCounty>

Comments may be submitted online, emailed, or mailed to:

US421-RandolphCounty@Publicinput.com

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555 Fayetteville Street Ste 900
Raleigh, NC 27601

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*Your feedback is important — please submit your comments by **September 13, 2022.***

TITLE VI PUBLIC INVOLVEMENT FORM

Completing this form is **completely** voluntary. You are not required to provide the information requested in order to participate in this meeting.

Meeting Type: Open House Public Meeting	Date: 2022-08-30
Location: Liberty—239 S. Fayetteville Street—Town Hall	
TIP No: HE-01004	
Project Description: U.S. 421 Intersection Improvements between Colonial Trading Path/Shiloh Road to Starmount Road/Shiloh Road in Randolph County	

In accordance with Title VI of the Civil Rights Act of 1964 and related authorities, the N.C. Department of Transportation assures that no person(s) shall be excluded from participation in, denied the benefits of, or subjected to discrimination under any of the Department's programs, policies, or activities, based on their race, color, national origin, disability, age, income, or gender.

Completing this form helps meet our data collection and public involvement obligations under Title VI and NEPA, and will improve how we serve the public. Please place the completed form in the designated box on the sign-in table, hand it to an NCDOT official or mail it to the Environmental Analysis Unit, 1598 Mail Service Center, Raleigh, NC 27699-1598.
All forms will remain on file at the NCDOT as part of the public record.

Zip Code: _____	Gender: Male Female
Street Name: _____ (i.e. Main Street) _____	Age: <input type="radio"/> Less than 18 <input type="radio"/> 45-64 <input type="radio"/> 18-29 <input type="radio"/> 65 and older <input type="radio"/> 30-44
Total Household Income: <input type="radio"/> Less than \$12,000 <input type="radio"/> \$47,000 – \$69,999 <input type="radio"/> \$12,000 – \$19,999 <input type="radio"/> \$70,000 – \$93,999 <input type="radio"/> \$20,000 – \$30,999 <input type="radio"/> \$94,000 – \$117,999 <input type="radio"/> \$31,000 – \$46,999 <input type="radio"/> \$118,000 or greater	Have a Disability: Yes No
Race/Ethnicity: <input type="radio"/> White <input type="radio"/> Black/African American <input type="radio"/> Asian <input type="radio"/> American Indian/Alaskan Native <input type="radio"/> Native Hawaiian/Pacific Islander <input type="radio"/> Hispanic/Latino <input type="radio"/> Other (please specify): _____	National Origin: (if born outside the U.S.) <input type="radio"/> Mexican/ Central American: _____ <input type="radio"/> South American: _____ <input type="radio"/> European: _____ <input type="radio"/> Chinese <input type="radio"/> Vietnamese <input type="radio"/> Korean <input type="radio"/> Other (please specify): _____

How did you hear about this meeting? (newspaper advertisement, flyer, and/or mailing)

For more information regarding Title VI or this request, please contact the NCDOT Title VI Nondiscrimination Program at (919) 508-1808 or toll free at 1-800-522-0453, or by email at titleVI@ncdot.gov. Thank you for your participation!



HE-0004
Attn: Tony Gallagher
NCDOT Environmental Analysis Unit
1598 Mail Service Center
Raleigh, NC 27699-1598

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Between Colonial Trading Path/Shiloh Road
to Starmount Road/Shiloh Road
State Transportation Improvement Program Project No. HE-0004

Public Meeting: August 30, 2022

Location: Liberty, Randolph County

Do you have questions or comments on the proposed project improvements listed below?

Interchange at Colonial Trading Path Road/Shiloh Road?

Roundabouts at Colonial Trading Path Road/Shiloh Road?

Interchange at Julian Airport Road?

Interchange at Shiloh Road/Starmount Road?

Roundabouts at Shiloh Road/Starmount Road?

New roadway east of U.S. 421 at Starmount Road/Shiloh Road, into the Megasite?

Do you have questions or comments on the overall project?

Additional comments or questions can be submitted in the following ways:

Project Webpage: <https://publicinput.com/US421-RandolphCounty>

Email: US421-RandolphCounty@publicinput.com

Phone: (512) 580-8550 code: 3419

US Mail: Attn: Tony Gallagher, NCDOT EAU
1598 Mail Service Center Raleigh, NC 27699-1598



HE-0004
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