

# N.C. 132 (College Road) Corridor Improvements

STIP Project Nos. U-5881, U-5792, U-5702 A&B, U-5704 and U-5790



## JOINT PUBLIC MEETING

4 p.m. to 7 p.m.

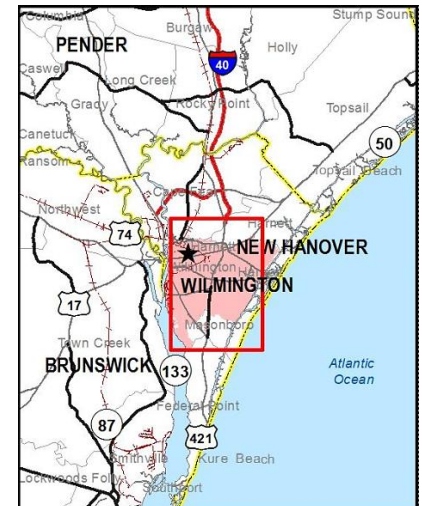
June 28, 2018

New Hanover County

### PROJECT DESCRIPTION

The N.C. Department of Transportation is proposing to improve N.C. 132 (College Road) in New Hanover County. The project location is outlined in red in the map to the right. The improvements include six individual projects described as follows and shown in the map below. This handout explains detailed information on the mentioned projects.

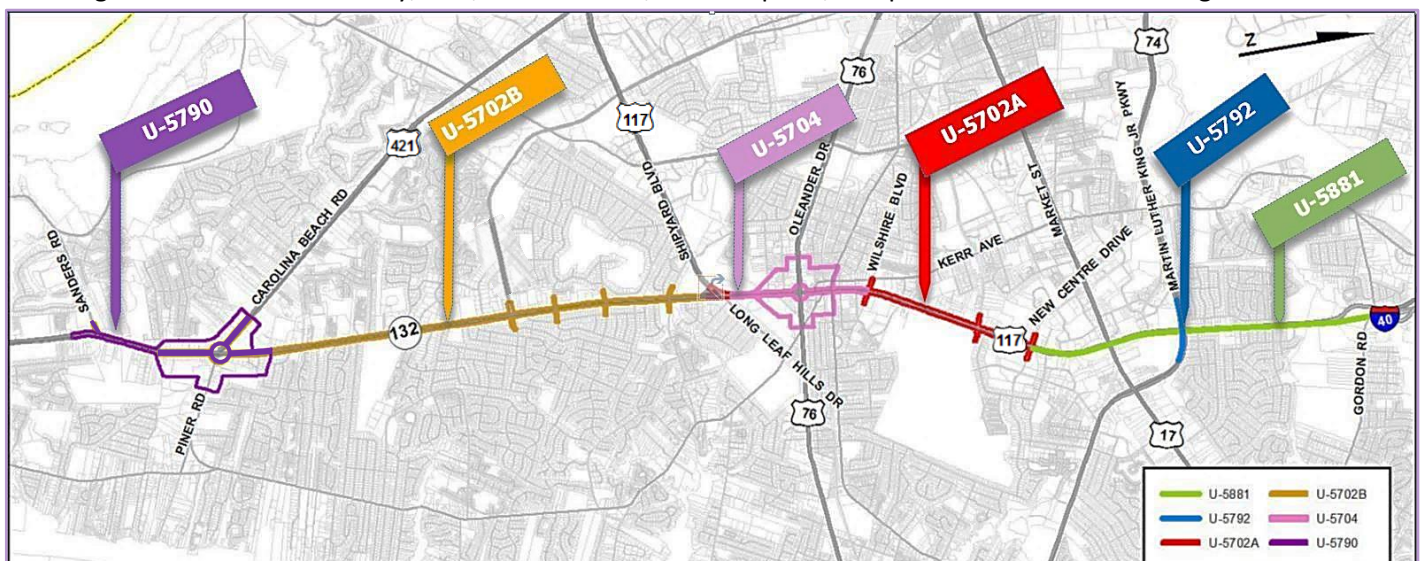
- ◆ **U-5881:** N.C. 132 (College Road) from Gordon Road (S.R. 2048) to New Centre Drive (S.R. 1272).
- ◆ **U-5792:** N.C. 132 (College Road) and U.S. 74 (Martin Luther King Jr Parkway) intersection.
- ◆ **U-5702A:** N.C. 132 (College Road) from New Centre Drive (S.R. 1272) to U.S. 117 (Shipyards Boulevard).
- ◆ **U-5702B:** N.C. 132 (College Road) from U.S. 117 (Shipyards Boulevard) to U.S. 421 (Carolina Beach Road).
- ◆ **U-5704:** N.C. 132 (College Road) and U.S. 76 (Oleander Drive) intersection.
- ◆ **U-5790:** N.C. 132 (College Road) and U.S. 421 (Carolina Beach Road) intersection.



### PURPOSE OF TODAY'S MEETING

Today's meeting is an important step in NCDOT's procedures for making you, the public, a part of the project development process. The purpose of the meeting is to present conceptual designs for the proposed projects, provide information and answer questions, and to gather public input on the location and design of the recommended improvements.

Following the close of the comment period, NCDOT staff will review all comments and issues discussed at the public meeting. NCDOT considers safety, cost, traffic service, social impacts, and public comments in making decisions.



*Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina*

## YOUR INPUT IS IMPORTANT

Public involvement is an important part of the planning process. The N.C. Department of Transportation encourages citizen involvement on transportation projects and will consider your suggestions and address your concerns.

**Comments should be submitted no later than Monday July 30<sup>th</sup>, 2018.**

Comments can be submitted via the comment form attached to this handout, via email to the project managers listed or via the project website, located at the following links:

<https://ncdot.publicinput.com/collegeroad-wilmington>

## NEXT STEPS

After the comment period ends, each project team will meet to review the comments received and determine which, if any, modifications will be made to the proposed designs. You can request a copy of the meeting summary by contacting one of our team members.

Maps may be viewed at the following websites:

- ◆ NCDOT Public Meeting Website: <https://www.ncdot.gov/projects/publicmeetings/>.
- ◆ Project Website: <https://ncdot.publicinput.com/collegeroad-wilmington>

Maps may also be viewed at the NCDOT Division 3 office at the following address:

NCDOT Division 3 Office  
5501 Barbados Boulevard  
Castle Hayne, NC 28429

## RIGHT-OF-WAY PROCEDURES

Although the N.C. Department of Transportation works to minimize the number of homes and businesses displaced by a road project, it is inevitable, in many cases, that a certain amount of private property is needed. The following information explains right of way acquisition and answers questions about the process.

<https://connect.ncdot.gov/business/ROW/Pages/ROW-Neg-Relo.aspx>

## Transportation Terms Used in This Handout

**What is Level of Service (LOS)?**

Level of Service is a quantitative measure of traffic operational conditions. Ranges of operation are defined for each type of roadway section (signalized intersections, freeways, ramp junctions and weaving sections) and are related to the amount of traffic demand at a given time as compared to the capacity of that type of roadway section.

Six levels of service are defined for each type of roadway section and are given letter designations from A to F, with A representing good operating conditions and F representing unsatisfactory operating conditions.

Intersection	Roadway
<ul style="list-style-type: none"> <li>Highly stable, free-flow condition with little or no congestion</li> <li>Delay: &lt;10 seconds/vehicle</li> </ul>	<p><b>LOS A</b></p> <ul style="list-style-type: none"> <li>Free flowing</li> <li>Uninterrupted vehicle</li> </ul>
<ul style="list-style-type: none"> <li>Stable, free-flow condition with little congestion</li> <li>Delay: 10 to 20 seconds/vehicle</li> </ul>	<p><b>LOS B</b></p> <ul style="list-style-type: none"> <li>Stable flow</li> <li>Other vehicles are more noticeable</li> </ul>
<ul style="list-style-type: none"> <li>Free-flow condition with moderate congestion</li> <li>Delay: 20 to 35 seconds/vehicle</li> </ul>	<p><b>LOS C</b></p> <ul style="list-style-type: none"> <li>Stable flow</li> <li>Vehicle operations affected by other vehicles</li> </ul>
<ul style="list-style-type: none"> <li>Approaching unstable condition with increasing congestion</li> <li>Delay: 35 to 55 seconds/vehicle</li> </ul>	<p><b>LOS D</b></p> <ul style="list-style-type: none"> <li>High density free flow</li> <li>Operation of vehicle is affected by other vehicles</li> </ul>
<ul style="list-style-type: none"> <li>Unstable, congested condition</li> <li>Delay: 55 to 80 seconds/vehicle</li> </ul>	<p><b>LOS E</b></p> <ul style="list-style-type: none"> <li>High density traffic flow, nearing capacity</li> <li>Operating conditions are extremely poor</li> </ul>
<ul style="list-style-type: none"> <li>Stop and go</li> <li>Delay: &gt;80 seconds/vehicle</li> </ul>	<p><b>LOS F</b></p> <ul style="list-style-type: none"> <li>Forced or breakdown flow</li> <li>Amount of traffic exceeds capacity</li> </ul>

### Access Management:

Access Management encompasses a set of techniques that state and local governments can use to control access to highways, major arterials, and other roadways. These techniques include access spacing, driveway spacing, safe turning lanes, median treatments, and right of way managements.

Access Management provides an important means of maintaining mobility. It calls for effective ingress and egress to a facility, efficient spacing and design to preserve the functional integrity, and overall operational viability of street and road systems.

### Continuous Flow Intersection

A continuous flow intersection (CFI), is an alternative design for an at-grade road junction. Vehicles attempting to turn across the opposing direction of traffic cross before they enter the intersection. No left turn signal in the intersection is then necessary. Instead, vehicles traveling in both directions can proceed, including through vehicles and those turning right or left, when a generic traffic signal/stop sign permits.



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# N.C. 132 (College Road) Corridor Improvements

STIP Project Nos. U-5881, U-5792, U-5702 A&B, U-5704 and U-5790



## JOINT PUBLIC MEETING

4 p.m. to 7 p.m.

June 28, 2018

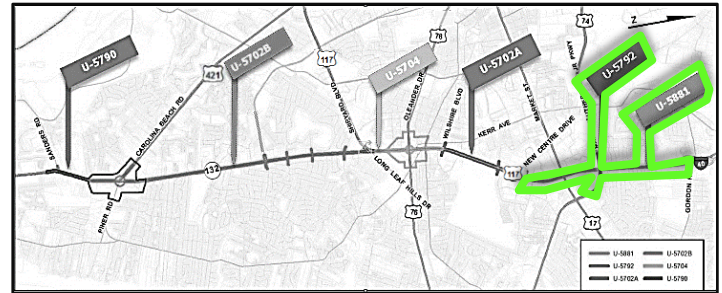
New Hanover County

### PROJECT DESCRIPTION

#### U-5881

Alternatives for upgrading N.C. 132 (College Road) from Gordon Road (S.R. 2048) to New Centre Drive (S.R. 1272) in Wilmington are being studied. Improvements associated with this project include:

- ◆ additional thru and turn lanes,
- ◆ interchanges at Kings Drive and Ringo Street intersections and
- ◆ minor modifications to College Road/ Market Street interchange



### PRELIMINARY SCHEDULE

<b>U-5881</b>	
<i>Right-of-Way Acquisition</i> .....	<i>Fall 2021</i>
<i>Construction</i> .....	<i>Summer 2024</i>
<b>U-5792</b>	
<i>Right-of-Way Acquisition</i> .....	<i>Fall 2021</i>
<i>Construction</i> .....	<i>Summer 2024</i>

#### U-5792

The N.C. Department of Transportation is also beginning to study alternatives at the N.C. 132 (College Road) and U.S. 74 (Martin Luther King Jr Parkway) intersection in Wilmington, North Carolina. Project alternatives include:

- ◆ *Alternative 1:* free-flow alternatives and interchanges from Gordon Road (S.R. 2048) to south of Market Street. College Road proposed to go over Martin Luther King Jr Parkway.
- ◆ *Alternative 2:* a superstreet alternative and interchanges from Gordon Road (S.R. 2048) to south of New Centre Drive (S.R. 1272). Martin Luther King Jr Parkway is proposed to go over College Road.

### COST ESTIMATES

Estimated Amount*	U-5881	U-5792
Property Acquisition	\$ 34,100,000.00	\$ 4,860,000.00
Construction Costs	\$ 48,350,000.00	\$ 20,750,000.00
<b>Total Cost</b>	<b>\$ 82,450,000.00</b>	<b>\$ 25,610,000.00</b>

\*Estimated costs are subject to change.

## PROJECT IMPACT SUMMARY U-5792

Alternatives		1 (College Over)	2 (MLK Over)
Proximity Impacts to Properties*	Residential	7	0
	Business	0	0
Pond Impacts (acres)		0.11	0.16
Stream Impacts (linear feet)		1968	2857
Wetland Impacts (acres)		1.96	4.92
Level of Service (2040)		C	E

*\*Right-of-way impacts may be reduced/minimized during final design.*

## PROJECT IMPACT SUMMARY U-5881

Alternative		1 (Freeflow)	2 (Superstreet)
Proximity Impacts to Properties*	Residential	2	2
	Business	3	1
Pond Impacts (acres)		1.96	0.09
Stream Impacts (linear feet)		470	384
Wetland Impacts (acres)		0.85	0.76
Level of Service (2040)		C	D

*\*Right-of-way impacts may be reduced/minimized during final design.*

### COMMENTS OR QUESTIONS CAN BE SUBMITTED TO:

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 5501 Barbados Boulevard  
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# N.C. 132 (College Road) Corridor Improvements

STIP Project Nos. U-5881, U-5792, U-5702 A&B, U-5704 and U-5790



## JOINT PUBLIC MEETING

4 p.m. to 7 p.m.

June 28, 2018

New Hanover County

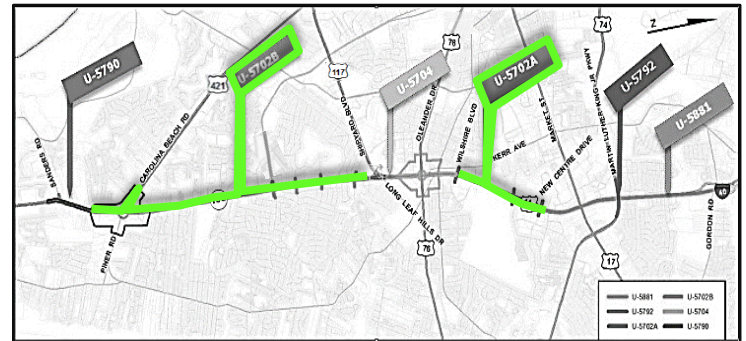
### PROJECT DESCRIPTION

#### U-5702A

Access management and travel time improvements along College Road are being studied.

This project includes an approximately 2.6-mile section of College Road from New Centre Drive (S.R. 1272) to just south of U.S. 117 (Shipyards Boulevard). Improvements associated with this project include:

- ◆ additional thru and turn lanes in each direction along College Road,
- ◆ additional turn lanes at Randall Parkway and Wrightsville Avenue,
- ◆ Concrete median installation and
- ◆ Offset left turn movements.



### PRELIMINARY SCHEDULE

#### **U-5702A**

*Right-of-Way Acquisition ..... Fall 2021*  
*Construction..... Summer 2024*

#### **U-5702B**

*Right-of-Way Acquisition ..... Unfunded*  
*Construction..... Unfunded*

#### U-5702B

Access management and travel time improvements along College Road in Wilmington are being studied.

This project includes an approximately 4.3-mile section of College Road from US 117 (Shipyards Boulevard) to US 421 (Carolina Beach Road). Improvements associated with this project include:

- ◆ additional thru lanes in each direction with modified superstreet configurations,
- ◆ intersection exceptions included at Holly Tree Road and
- ◆ Continuous Flow Intersection approaches at South 17<sup>th</sup> Street.

### COST ESTIMATES

Estimated Amount*	U-5702A	U-5702B
Property Acquisition	\$ 25,500,000.00	<i>Unfunded</i>
Construction Costs	\$ 36,200,000.00	<i>Unfunded</i>
<b>Total Cost</b>	<b>\$ 61,700,000.00</b>	<b><i>Unfunded</i></b>

\*Estimated costs are subject to change.

## PROJECT IMPACT SUMMARY

Alternative		U-5702A	U-5702B
Proximity Impacts to Properties*	Residential	4	0
	Business	5	0
Pond Impacts (acres)		0	0
Stream Impacts (linear feet)		0	0
Wetland Impacts (acres)		0	0

\*Right-of-way impacts may be reduced/minimized during final design.

### COMMENTS OR QUESTIONS CAN BE SUBMITTED TO:

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# N.C. 132 (College Road) Corridor Improvements

STIP Project Nos. U-5881, U-5792, U-5702 A&B, U-5704 and U-5790



## JOINT PUBLIC MEETING

4 p.m. to 7 p.m.

### PROJECT DESCRIPTION

#### U-5704

The North Carolina Department of Transportation (NCDOT) is proposing mobility improvements at the College Road and Oleander Drive intersection in Wilmington North Carolina.

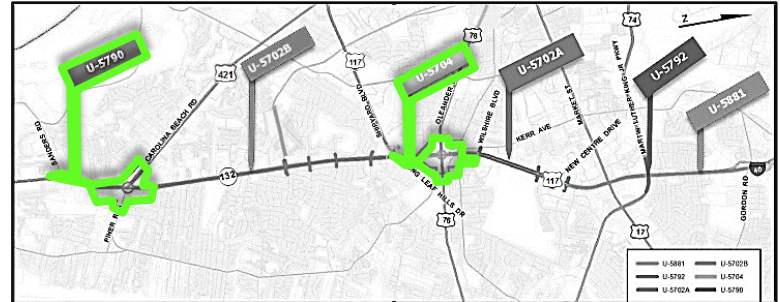
This project includes approximately 2.0-miles along College Road from Wilshire Boulevard to US 117 (Shipyard Boulevard). Project improvements include:

- ◆ **Alternative A** (Quadrant Intersection), improve Parkway Drive and shift College/Oleander left turns to signals at each end of Parkway.
- ◆ **Alternative B** (Continuous Flow Intersection), addition of upstream signalized left-turn crossover intersections for each approach.
- ◆ **Alternative C** (Tight Diamond), diamond configuration interchange with footprint minimized to the extent possible.

#### U-5790

The North Carolina Department of Transportation (NCDOT) is beginning to study improvements at the NC 132 (College Road) and US 421 (Carolina Beach Road) intersection in Wilmington North Carolina. Project alternatives include:

- ◆ **Alternative 1** (Median Flyover), flyover from northbound College Road to westbound Carolina Beach Road intersection and widening to Sanders Rd.
- ◆ **Alternative 2** (Continuous Flow Intersection), addition of upstream signalized left-turn crossover intersections on College Road approaches only and widening to Sanders Rd.



### PRELIMINARY SCHEDULE

<b>U-5704</b>	
Right-of-Way Acquisition .....	Fall 2021
Construction.....	Summer 2024
<b>U-5790</b>	
Right-of-Way Acquisition .....	Fall 2021
Construction.....	Summer 2024

### COST ESTIMATES

Estimated Amount*	U-5704	U-5790
Property Acquisition	\$ 25,000,000.00	\$ 4,525,000.00
Construction Costs	\$ 31,100,000.00	\$ 21,069,000.00
<b>Total Cost</b>	<b>\$ 56,100,000.00</b>	<b>\$ 25,594,000.00</b>

\*Estimated costs are subject to change.

## PROJECT IMPACT SUMMARY U-5704

Alternative		A (Quadrant Intersection)	B (Cont. Flow Intersection)	C (Tight Diamond)
Proximity Impacts to Properties*	Residential	0	8	1
	Business	41	23	45
Pond Impacts (acres)		0	0	0
Stream Impacts (linear feet)		0	0	0
Wetland Impacts (acres)		0	0	0
Level of Service (2040)		C/C	B/C	C/C

*\*Right-of-way impacts may be reduced/minimized during final design.*

## PROJECT IMPACT SUMMARY U-5790

Alternative		1 (Median Flyover)	2 (Continuous Flow Intersection)
Proximity Impacts to Properties*	Residential	0	0
	Business	2	0
Pond Impacts (acres)		0	0.02
Stream Impacts (linear feet)		1,205	429
Wetland Impacts (acres)		0.01	0
Level of Service (2040)		C/D	C/B

*\*Right-of-way impacts may be reduced/minimized during final design.*

### COMMENTS OR QUESTIONS CAN BE SUBMITTED TO:

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# N.C. 132 (College Road) Corridor Improvements

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June 28, 2018

New Hanover County

### 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.

<b>Meeting Type: Public Meeting</b>	<b>Date: June 28, 2018</b>
<b>Location: UNCW 601 S. Wilmington Burney Ballroom B &amp; C</b>	
<b>STIP Nos.: Joint Public Meeting for projects U-5881, U-5792, U-5702 A&amp;B, U-5704 and U-5790 in New Hanover County.</b>	

In accordance with Title VI of the Civil Rights Act of 1964 and related authorities, the North Carolina Department of Transportation (NCDOT) 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 PDEA-Human Environment Section, 1598 Mail Service Center, Raleigh, NC 27699-1598. All forms will remain on file at the NCDOT as part of the public record.

<b>Zip Code:</b> _____	<b>Gender:</b> <input type="checkbox"/> Male <input type="checkbox"/> Female
<b>Street Name:</b> (i.e. Main Street) _____	<b>Age:</b> <input type="checkbox"/> Less than 18 <input type="checkbox"/> 45-64 <input type="checkbox"/> 18-29 <input type="checkbox"/> 65 and older <input type="checkbox"/> 30-44
<b>Total Household Income:</b> <input type="checkbox"/> Less than \$12,000 <input type="checkbox"/> \$47,000 – \$69,999 <input type="checkbox"/> \$12,000 – \$19,999 <input type="checkbox"/> \$70,000 – \$93,999 <input type="checkbox"/> \$20,000 – \$30,999 <input type="checkbox"/> \$94,000 – \$117,999 <input type="checkbox"/> \$31,000 – \$46,999 <input type="checkbox"/> \$118,000 or greater	<b>Have a Disability:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Race/Ethnicity:</b> <input type="checkbox"/> White <input type="checkbox"/> Asian <input type="checkbox"/> Black/African American <input type="checkbox"/> Hispanic/Latino <input type="checkbox"/> American Indian/Alaskan Native <input type="checkbox"/> Native Hawaiian/Pacific Islander <input type="checkbox"/> Other (please specify): _____	<b>National Origin:</b> (if born outside the U.S.) <input type="checkbox"/> Mexican <input type="checkbox"/> Central American: _____ <input type="checkbox"/> South American: _____ <input type="checkbox"/> Vietnamese <input type="checkbox"/> Chinese <input type="checkbox"/> Korean <input type="checkbox"/> 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 Section at (919) 508-1830 or toll free at 1-800-508-1886, or by email at [sddickens@ncdot.gov](mailto:sddickens@ncdot.gov).

Thank you for your participation!



**NCDOT - EAU**  
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**1598 Mail Service Center**  
**Raleigh, NC 27699-1598**

**Attn: Diane Wilson**  
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