



Improvement to Main Street (SR 1009) & I-85 Interchange; STIP Project No. U-5770

November 30, 2017

About the Project

The N.C. Department of Transportation is proposing to reconfigure the Main Street (SR 1009) / I-85 Interchange as well as manage access along Main St. from Columbus Ave. to Comanche Rd. in Archdale, NC. The purpose of the project is to improve traffic safety, reduce congestion and improve traffic operations along Main St. as well as at the I-85 Interchange ramps.

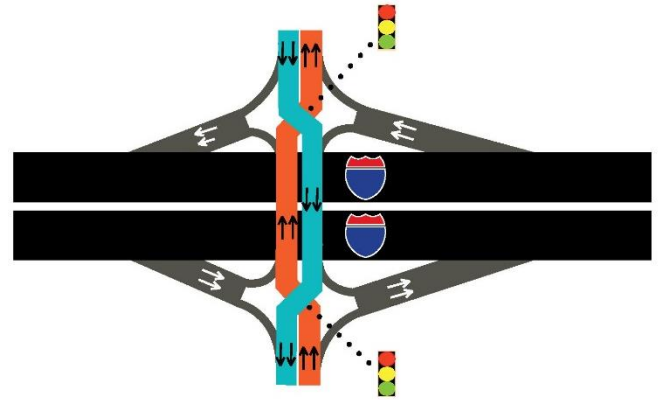
Based on results of traffic forecasts, capacity analyses, and safety and environmental project studies, NCDOT is proposing

Two Build Alternatives:

Alternative 1A:

- Reconfigure the Main St./ I-85 Interchange to a Diverging Diamond Interchange (DDI).
- Increase lanes on each off-ramp from 2 to 3.
- Increase lanes on each on-ramp from 1 to 2.
- Replace existing center turn lane on Main St. with a raised 23-ft. wide grassed and concrete median.
- Add 5-ft. sidewalks to both sides of Main St., including across the new interchange.

What is a Diverging Diamond Interchange (DDI)?



A DDI allows two directions of traffic to temporarily cross to the left side of the road. A DDI moves high volumes of traffic through an intersection without increasing the number of lanes and traffic signals. This movement provides easier access to an interstate.

Alternative 1B: Same elements as Alt. 1A, plus add a new 2-lane frontage road from Balfour Dr. to Main St., between businesses, ending adjacent to the U.S. Post Office.

Proposed Access Management Solutions

Installing a median to control left turns along Main St. will reduce the potential for crashes as well as improve traffic flow and reduce delays. Medians separate opposing lanes of traffic and restrict left turns, thereby reducing the number of conflict points, which reduces crashes. Research has shown that medians enhance safety when traffic is congested along business corridors.

Proposed Median Breaks:

- **West of I-85:**
 - Eastbound lefts onto Ashland St.
 - Westbound dual turnaround with signal adjacent to Post Office.
 - Alt. 1B also includes a northbound left to westbound Main St. at a new signal from the proposed frontage road.
- **East of I-85:**
 - Westbound lefts onto Renola Dr.
 - Westbound left into driveway between Lowe's Foods and Food Lion.
 - Eastbound single turnaround across from Tarheel Plaza, adjacent to Bojangles'.

Public Involvement

Public involvement is an important part of the project development process. NCDOT encourages citizen involvement on transportation projects, and will consider your suggestions and address your concerns. It is important you provide your comments on the proposed improvements. Your comments will be reviewed by the project team.

Today's meeting is another important step in NCDOT's efforts to keep you, the public, involved.

**Please Submit Comments and Questions by
December 22, 2017**

Meeting materials can be viewed online (or downloaded) from the NCDOT public meetings website:
<https://www.ncdot.gov/projects/publicmeetings/>

Impacts & Benefits of the Proposed Design

Motorists on this portion of Main St. and the I-85 ramps to Main St. currently experience heavy congestion and poor travel times during peak hours (worsened by the spacing of traffic signals at the interchange), along with crashes that occur almost twice as often as statewide rates for similar facilities. Sidewalks are only present in a few small segments of Main Street, and not on both sides, and so pedestrians currently walk in landscaped areas or on the street. The project proposes to improve capacity and facilitate safe and efficient operations by controlling left turn movements with a median and directional crossovers, and installing sidewalks and crosswalks along the entire corridor, including across the I-85 bridge and interchange ramps.

Project Impacts:

- Due to safety and traffic operational needs, the new median will restrict left turns at Balfour Dr., Aldridge Rd. and at driveways and cross streets along the corridor.
- One residence may be relocated at Dellwood St.
- Two businesses will be relocated for a turnaround by the U.S. Post Office.
- Some business parking spaces will be temporarily impacted during construction.
- Alternative 1B will also permanently eliminate some parking spaces near the Waffle House due to the new frontage road.

Project Benefits:

- Traffic operations at the I-85 ramps and along Main Street are expected to improve:
 - Traffic flow will improve and delays will decrease.
 - Congestion will be reduced, especially during peak hours.
 - Traffic will no longer back up on the I-85 ramps.
 - Intersection queue lengths will no longer overlap and will no longer exceed length of I-85 bridge.
 - Access to cross streets will be easier with reduced congestion.
- Safety is expected to improve:
 - The potential for crashes will decrease.
 - Overall crash rates will decrease.
 - Severity of crashes will decrease.

Project Schedule

Public Meeting	November 2017
Environmental Document	Winter 2018
Final Designs	Winter 2019
Right of Way Acquisition Begins	Spring 2019
Construction Begins	Spring 2021

Estimated Costs (from Adopted 2018-2027 STIP)

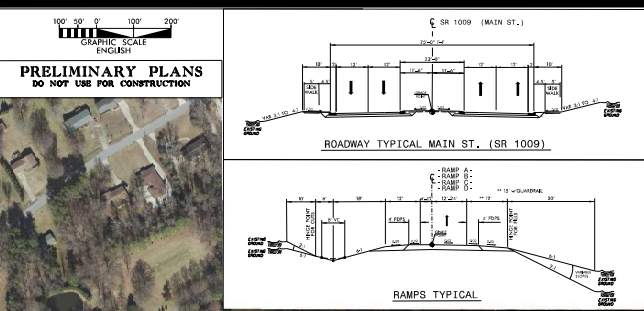
Right of Way / Utilities	\$17,525,000
Construction	\$11,800,000
TOTAL	\$29,325,000

Questions? Comments?

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STIP U-5770 ALTERNATIVE 1A



BEGIN TIP PROJECT U-5770

END TIP PROJECT U-5770

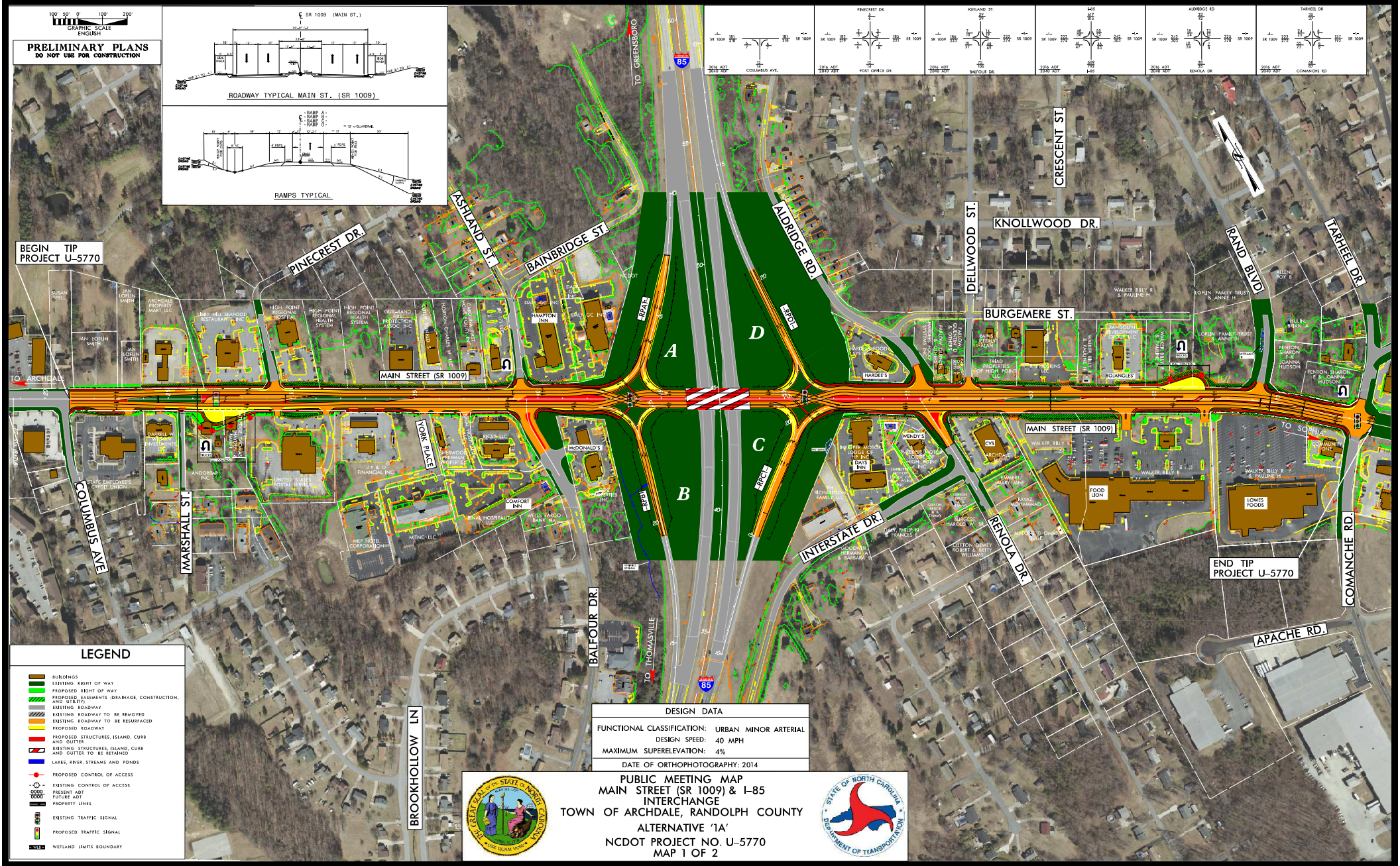
- LEGEND**
- BUILDINGS
 - EXISTING RIGHT OF WAY
 - PROPOSED RIGHT OF WAY
 - PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITIES)
 - EXISTING ROADWAY
 - EXISTING ROADWAY TO BE REMOVED
 - EXISTING ROADWAY TO BE RESURFACED
 - PROPOSED STRUCTURES ISLAND, CURB AND GUTTER
 - EXISTING STRUCTURES ISLAND, CURB AND GUTTER TO BE RETAINED
 - LAKES, RIVER, STREAMS AND PONDS
 - PROPOSED CONTROL OF ACCESS
 - EXISTING CONTROL OF ACCESS
 - PRESENT ADT
 - FUTURE ADT
 - PROPERTY LINES
 - EXISTING TRAFFIC SIGNAL
 - PROPOSED TRAFFIC SIGNAL
 - WETLAND LIMITS BOUNDARY

DESIGN DATA

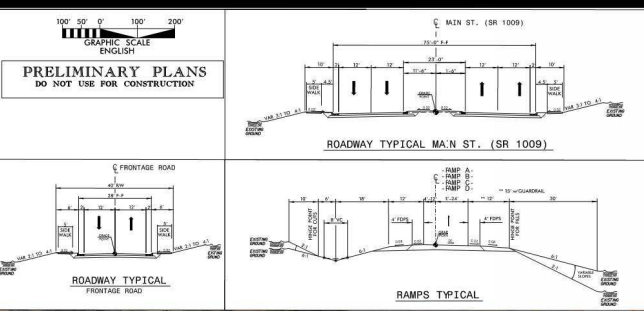
FUNCTIONAL CLASSIFICATION:	URBAN MINOR ARTERIAL
DESIGN SPEED:	40 MPH
MAXIMUM SUPERELEVATION:	4%
DATE OF ORTHOPHOTOGRAPHY:	2014



PUBLIC MEETING MAP
MAIN STREET (SR 1009) & I-85
INTERCHANGE
TOWN OF ARCHDALE, RANDOLPH COUNTY
ALTERNATIVE '1A'
NCDOT PROJECT NO. U-5770
MAP 1 OF 2



STIP U-5770 ALTERNATIVE 1B



BEGIN TIP PROJECT U-5770

END TIP PROJECT U-5770

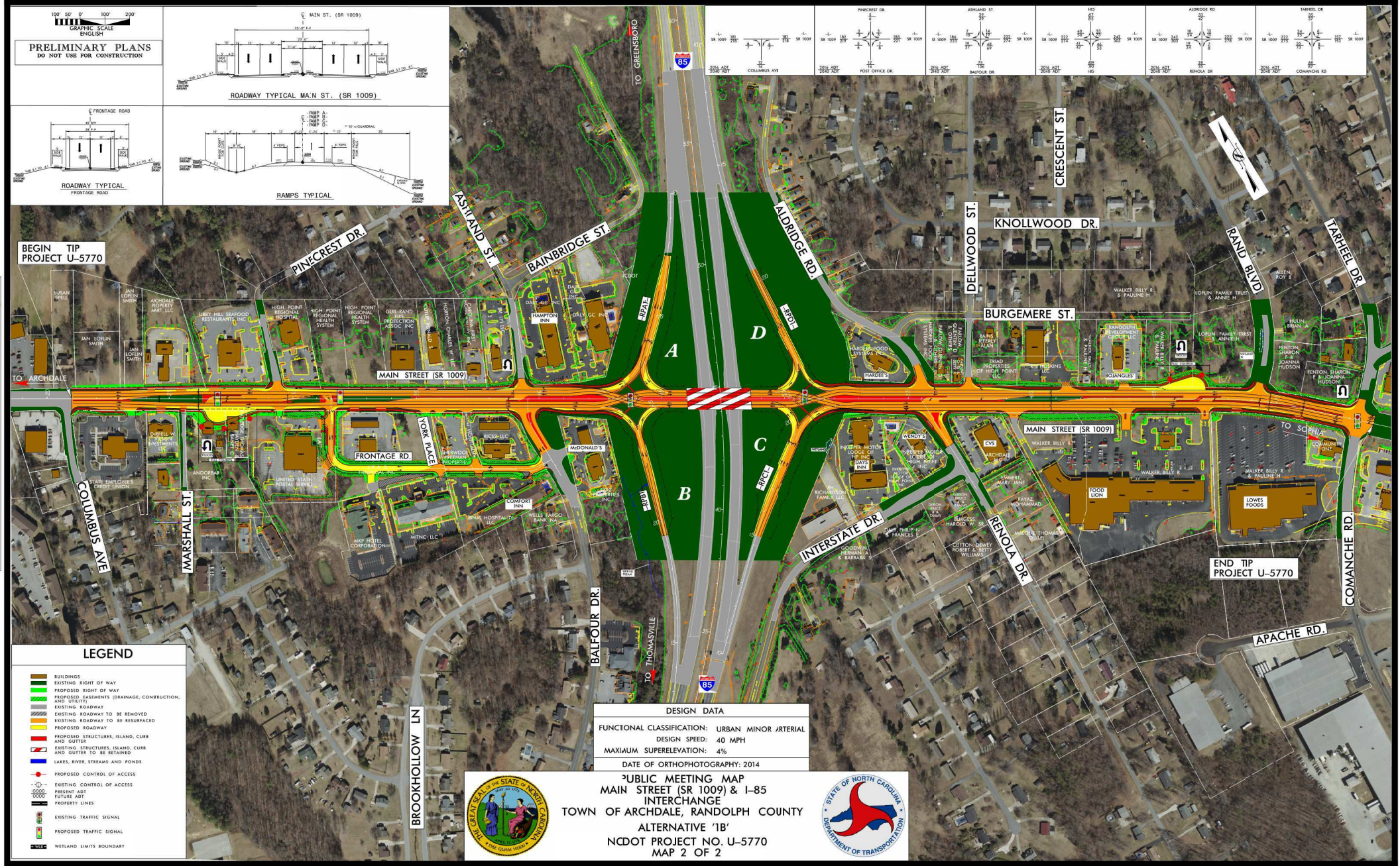
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DESIGN DATA

FUNCTIONAL CLASSIFICATION: URBAN MINOR ARTERIAL
 DESIGN SPEED: 40 MPH
 MAXIMUM SUPERELEVATION: 4%
 DATE OF ORTHOPHOGRAPHY: 2014



PUBLIC MEETING MAP
 MAIN STREET (SR 1009) & I-85
 INTERCHANGE
 TOWN OF ARCHDALE, RANDOLPH COUNTY
 ALTERNATIVE '1B'
 NCDOT PROJECT NO. U-5770
 MAP 2 OF 2



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: Public Meeting	Date: November 30, 2017
Location: Open Door Baptist Church, 135 W. White Drive, Archdale, NC	
STIP No.: U-5770	
Proposed improvement to Main St. (S.R. 1009) and the Main St. / I-85 Interchange in the City of Archdale.	

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 SEPA, 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 Attn: Ms. Diane Wilson, Sr. Public Involvement Officer, NCDOT 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: <input type="checkbox"/> Male <input type="checkbox"/> Female
Street Name: (i.e. Main Street) _____	Age: <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
Total Household Income: <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	Have a Disability: <input type="checkbox"/> Yes <input type="checkbox"/> No
Race/Ethnicity: <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): _____	National Origin: (if born outside the U.S.) <input type="checkbox"/> Mexican <input type="checkbox"/> Central American: _____ <input type="checkbox"/> South American: _____ <input type="checkbox"/> Puerto Rican <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.

Thank you for your participation!



Attn: Ms. Caitlyn Ridge
NCDOT Environmental Analysis Unit
1598 Mail Service Center
Raleigh, NC 27699-1598

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Improvement to Main Street (SR 1009) & I-85 Interchange

Columbus Ave. to Comanche Rd. in Archdale

Randolph County, STIP Project U-5770

Open Door Baptist Church, 135 W. White Drive, Archdale, NC

November 30, 2017; 4:00 pm – 7:00 pm



PLEASE CHECK HERE IF YOU WISH TO BE ADDED TO THE PROJECT MAILING LIST

PLEASE PRINT:

NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PHONE NUMBER: _____

E-MAIL: _____

Your Comments are important to us! Please return by December 22, 2017

1. How did you hear about this meeting? (Please Check all that Apply)

Postcard

Newspaper

TV/Radio

Friend/Relative

2. Which Alternative do you prefer? Alternative 1A Alternative 1B (with frontage road)

3. Why do you prefer this Alternative?

4. Please provide any comments pertaining to the proposed design of the project:

5. ADDITIONAL COMMENTS? _____

Please
Place
Stamp
Here

Jeffrey L. Teague, P.E.
NCDOT Division 8 Project Manager
902 North Sandhills Boulevard
Aberdeen, NC 28315

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