



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J.R. "JOEY" HOPKINS  
SECRETARY

MEMORANDUM

November 1, 2023

FROM: Bryan C. Key, PE  
Project Management Unit

SUBJECT: Start of Study and Scoping Meeting Notification for the Wadesboro Bypass in Wadesboro, Anson County, North Carolina, TIP No. R-5878

NCDOT Project Management Unit is beginning the project development, environmental, and engineering studies for the R-5878 Wadesboro Bypass project. The project proposes to construct a freeway on new location which bypasses the Town of Wadesboro. The project is included in the North Carolina Department of Transportation's 2024-2033 State Transportation Improvement Program. Section B is scheduled for right of way in fiscal year 2028 and construction in fiscal year 2030, while Section A remains unfunded.

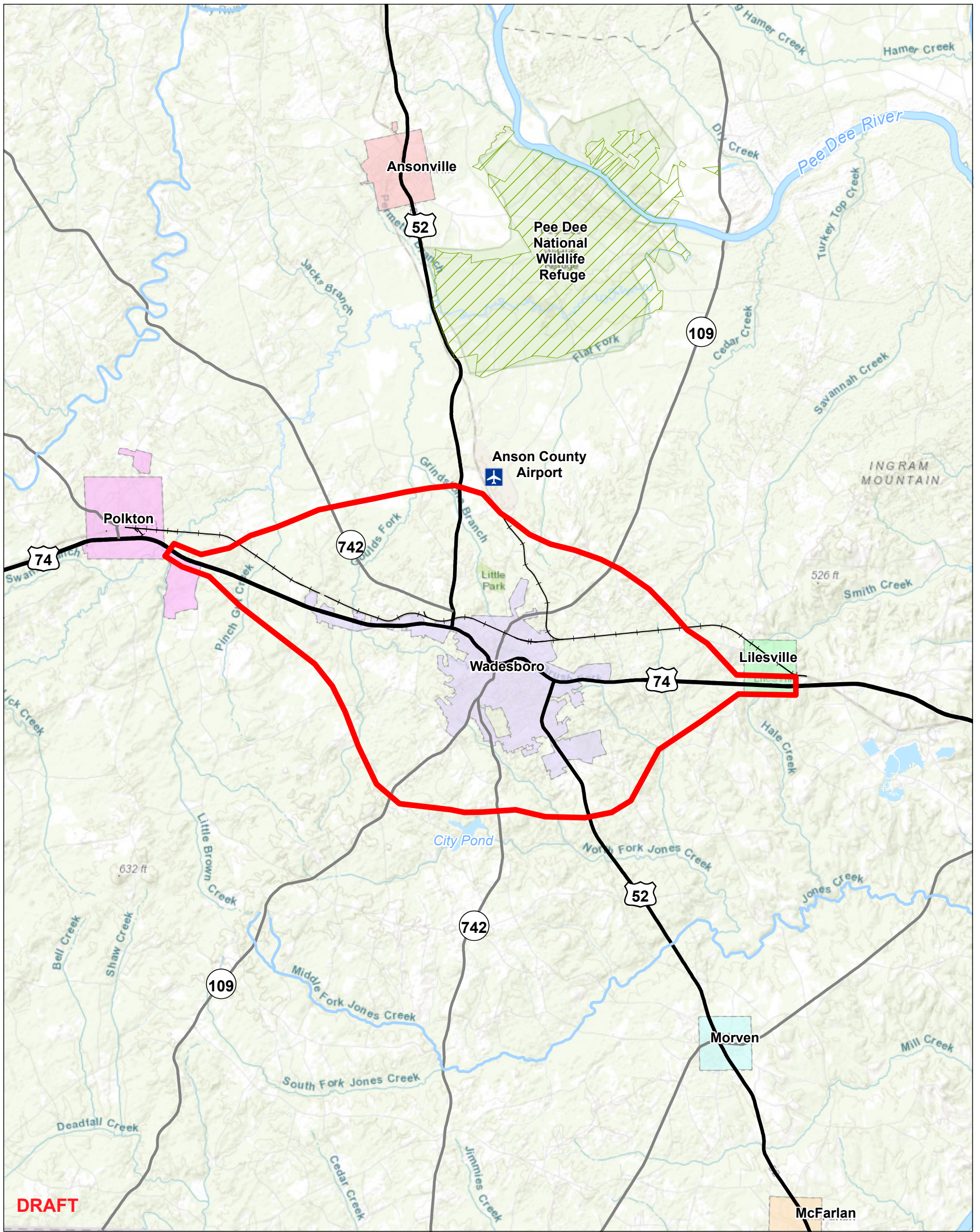
NCDOT staff or their consultants may be contacting you to request project-specific information. While we do not expect a response to this notification, we welcome your input if you have time-sensitive concerns. Your input will be used in the development of environmental documentation prepared pursuant to the National Environmental Policy Act and/or State Environmental Policy Act. We would appreciate any information that may be helpful in evaluating the potential environmental effects of the proposed project, as well as recommended alternatives to be considered. If applicable, please identify any permits or approvals which may be required by your organization.

An internal/external scoping meeting has been scheduled for November 16, 2023, at 1:00 PM in the Century Center A Structures Conference Room. A virtual attendance option is available via Microsoft Teams.

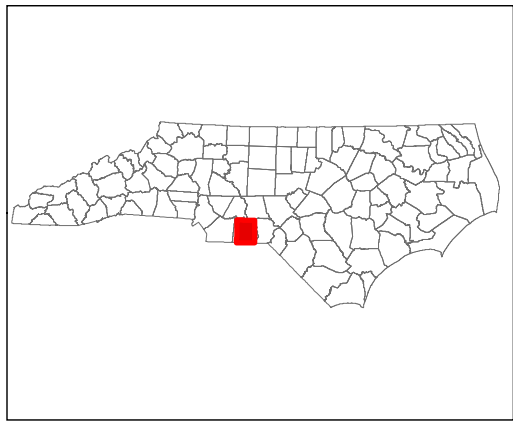
If you have any questions concerning the project, please contact me at (919) 707-6263 or by email at [bckey@ncdot.gov](mailto:bckey@ncdot.gov). Please include the STIP Project Number (R-5878) in all correspondence and comments.

Attachments (Vicinity Map & Environmental Features Map with Draft Study Area, Project Data Sheets)



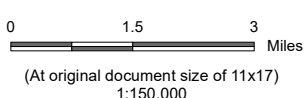


**DRAFT**



**Legend**

- Project Study Area
- Pee Dee National Wildlife Refuge
- Municipal Boundaries**
- Ansonville
- Lilesville
- McFarlan
- Morven
- Polkton
- Wadesboro
- Waterbody
- Major Stream or River
- Minor Stream
- Railroad
- US Highway
- State Highway



*Project Location*  
Wadesboro, Anson County  
North Carolina

*Client/Project*  
Project: NCDOT PMU/Division 10  
Project: R-5878 Wadesboro Bypass

*Prepared by HC on 2023-09-19*  
R-5878 Wadesboro Bypass

*Figure No.*  
**1**

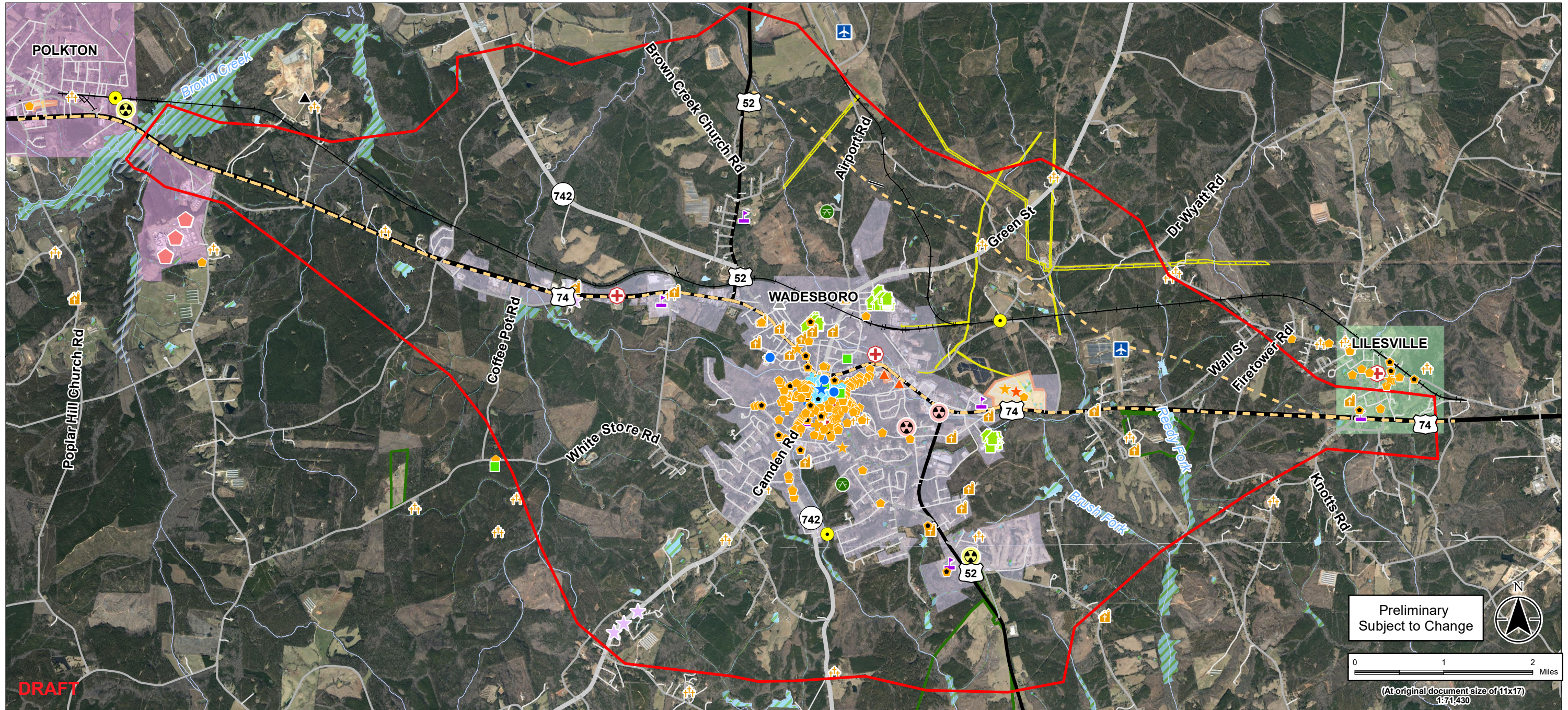
*Title*  
**Wadesboro Bypass Vicinity Map  
R-5878**

**DRAFT**

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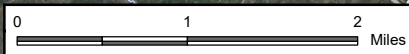
Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.





DRAFT

Preliminary  
Subject to Change



(At original document size of 11x17)  
1:71,430

**Legend**

- |                             |                                   |                                      |                                    |                              |                        |
|-----------------------------|-----------------------------------|--------------------------------------|------------------------------------|------------------------------|------------------------|
| Project Study Area          | NCDOT ATLAS Open Water            | Minor Stream                         | DOE Historic District center point | Determined Eligible          | Manufactured Home Park |
| <b>Municipal Boundaries</b> | Lilesville                        | Railroad                             | Surveyed Only                      | National Registry            | HUD Public Housing     |
| Polkton                     | Voluntary Agricultural District   | National Register individual listing | Surveyed in NRHD                   | Places of Worship            | School                 |
| Wadesboro                   | Duke Energy Transmission Easement | <b>NC SHPO Historic Resource</b>     | Surveyed, Gone                     | Cemetery                     | Medical Facility       |
| NWI Wetland                 | US Highway                        | NR Historic District center point    | Surveyed in NRHD, Gone             | Airport                      | STIP Project (Point)   |
| 100-Year Floodzone          | NC Highway                        | Study List individual entry          | Blockface                          | Park                         | STIP Project (Line)    |
|                             | NC Route                          | Determined Eligible - DOE            | Blockface in NRHD                  | Inactive Hazardous Site      | State Prison           |
|                             | Local Road                        |                                      | Surveyed Area center point         | Hazardous Waste Site         |                        |
|                             |                                   |                                      |                                    | Permitted Landfill           |                        |
|                             |                                   |                                      |                                    | Pre-Regulatory Landfill Site |                        |

**Notes**  
 1. Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere  
 2. Data Sources: NCDOT ATLAS  
 3. Background: NC OneMap, NC Center for Geographic Information and Analysis, NC 911 Board



*Project Location*  
Wadesboro, Anson County, North Carolina

*Client/Project*  
Client: NCDOT PMU/Division 10  
Project: R-5878 Wadesboro Bypass

*Figure No.* **2**

*Title*  
**Wadesboro Bypass Environmental Features R-5878**

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**Project Management Unit, Division 10  
Project Data Sheets**

<u>TIP No.:</u>	<input type="text" value="R-5878"/>	<u>Sent Date:</u>	<input type="text" value="11/2/2023"/>
<u>WBS No.:</u>	<input type="text" value="48407.1.1"/>	<u>Revision Date:</u>	<input type="text"/>
<u>Federal Aid No.:</u>	<input type="text" value="N/A"/>	<u>Meeting Date:</u>	<input type="text" value="11/16/2023"/>
<u>Division:</u>	<input type="text" value="10"/>		
<u>County:</u>	<input type="text" value="Anson"/>		

Project Description:

General Project Need:

Metropolitan / Rural Planning Organization:

NEPA/404 Merger Candidate?  Yes  No  To Be Determined

Feasibility Study Completed?  Yes  No Date of Study:

<u>Project Schedule:</u>	<u>Type of Document:</u>	<u>Dates:</u>
Environmental Document(s):	<input type="text" value="TBD"/>	<input type="text" value="2026"/>
Right of Way Authorization Date:		<input type="text" value="2028 (Section B)"/>
Let Date:		<input type="text" value="2030 (Section B)"/>

<u>Cost Estimate:</u>	Construction:	Right of Way:	Total Cost:
TIP Estimate (Section A)*:	\$ 104,300,000	\$ 4,000,000	\$ 108,900,000
TIP Estimate (Section B)*:	\$ 134,100,000	\$ 32,400,000	\$ 169,700,000

\*Per 2024-2033 STIP, BOT Adopted June 2023

### Design Criteria:

<u>Length of Project:</u>	Approximately 12 miles (potential northern route) Approximately 13 miles (potential southern route)	
<u>Right of Way:</u>	Existing:	200' WEST, 115' URBAN, 250' EAST
	Potential:	300'
<u>Type of Access Control:</u>	Existing:	Partial access control (Existing US 74)
	Potential:	Full access control
<u>Roadway Typical Section:</u>	Existing:	-Four-lane divided expressway (two 12-foot lanes in each direction with paved shoulders and depressed median) -Five-lane undivided facility (five 12-foot lanes with curb and gutter)
	Potential:	North and South Bypass -Four-lane divided freeway (two 12-foot lanes in each direction with paved shoulders and depressed median) Improve Existing Route -Four-lane divided reduced conflict intersection corridor (two 12-foot lanes in each direction with U-turn bulbs, raised median, and curb & gutter).
<u>Speed:</u>	Existing Posted Speed:	55,45,35,45,55 mph west to east
	Potential Design Speed:	70 mph on bypass routes 50 on improve existing route

Bridge/Culvert Inventory:

**25 structures**  
 ID numbers: 30013, 30024, 30034, 30036, 30049, 30050, 30064, 30067, 30072, 30159, 30300, 30301, 30323, 30041, 30042, 30316, 30299, 30031, 30043, 30068, 30090, 30325, 30326, 30040, 30038

Functional Classification:

Freeway

Strategic Transportation Corridor Information:

Corridor U (US 74 W/US 74 E)

CTP/Thoroughfare Plan Designation (Facility Type):

US 74  
 – Other Principal Arterial (Currently)  
 – Freeway (Interim)  
 – Interstate (Future)

Air Quality Status:  Non-attainment  Maintenance  Attainment

Horizon Completion Year (Long Range Trans. Plan):

Typical Section in Compliance with Conformity Determination?  Yes  No

<u>Traffic (AADT):</u>	Range of Traffic	Year	%
			TTST: 11
Current Year:	Existing US 74 west of US 52: 20,000 – 28,000 vpd	2022	% 6
Interim Year:	---	---	% K: 8
Design Year:	Existing US 74 west of US 52 (No-Build): 26,000 – 36,700 vpd Existing US 74 west of US 52 (Build): 13,500 – 22,700 vpd Bypass US 74: 12,500 – 14,000 vpd	2045	% D: 52.5

Design Standards Applicable:  AASHTO  3R

Railroad Involvement:

A northern bypass route would cross over the currently single-tracked CSX Transportation Railroad west and east of Wadesboro and would cross over the Winston Salem Southbound Railway north of Wadesboro.

Utility Involvement:

Yes (See Inventory Table Below)

**Other STIP Projects in the Area**

STIP Project No.	Description	Right of Way Scheduled to Begin	Construction Scheduled to Begin
HO-0002	US 74, Implement broadband, ITS, and resiliency improvements from I-40 Asheville to I-140 in Wilmington	N/A	N/A
B-5988	Burns Street, Replace Bridge 030316 over Lampley Creek	2021	2022 (Under Construction)
B-5809	SR 1142 (City Pond Road), Replace Bridge 030075 over North Fork Jones Creek	2020	2022 (Under Construction)
B-6048	SR 1812 (Diggs Road), Replace Bridge 030039 over Jones Creek	2023 (In Progress)	2027
RX-2010B	SR 1714 (Stanback Ferry Ice Plant Road), Construct Safety Improvements at CSX Crossing 631750C near Wadesboro.	N/A	2023 (Under Construction)
P-5750A	CSX SF Line, Construct Siding Extension in Polkton.	2024	2024
P-5750B	CSX SF Line, Construct Grade Separation at SR 1469 (Freedom Road) intersection.	N/A	2026
HS-2010C	NC 218, Install Milled Rumble Strips from US 74 in Anson County to US 601 in Union County, and from Mill Grove Road in Union County to I-485 in Mecklenburg County	N/A	2022 (Under Construction)

Source: North Carolina Department of Transportation, *State Transportation Improvement Program (NCBOT Adopted STIP – June 2023)*

**Preliminary Study Area Resources Inventory Table**

Resource/Affected Environment & Measure	Applicability/ Resources in Study Area
General Project Information	
Length of project (approximate in miles)	Approximately 12 miles (Potential northern option) Approximately 13 miles (Potential southern option)
Crossing or Intersecting roadways (#)	North: Roads – 13 Railroads – 3 Existing: Roads – 46 South: Roads – 14

Cultural Resources																																					
NRHP (and eligible sites, districts, other properties) (#)	220 NCHPO points 6 districts																																				
Human Environment*																																					
Community Resources (#)	14 – Cemeteries 25 – Places of Worship 4 – EMS or Hospital Facilities 2 – Recreational Parks 15 – Childcare Facilities 1 – Public Library																																				
Public Parks/Section 4(f) Properties (#)	3 parks – Little Park, Little Ball Field, and Wadesboro Park 226 historic sites or districts																																				
Greenways, Game Lands, Land and Water Conservation Fund Properties, Bicycle Routes, etc. (#)	1 – Little Park (LWCF local grants awarded for acquisition & development in 1974 and 1977)																																				
Residential Properties (# potentially affected)	TBD																																				
Business Properties (# potentially affected)	TBD																																				
High % Special Populations (Low-income, Minority)	<p>Thresholds based on the 2023 NCDOT Demographic Snapshot Tool</p> <table border="1"> <thead> <tr> <th>Census Tract, Block Group</th> <th>Minority</th> <th>Poverty</th> </tr> </thead> <tbody> <tr> <td>CT 9201, BG 3</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>CT 9203.01, BG 2</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>CT 9203.02, BG 1</td> <td>No</td> <td>Yes</td> </tr> <tr> <td>CT 9204, BG 1</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>CT 9204, BG 2</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>CT 9204, BG 3</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>CT 9205.01, BG 1</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>CT 9205.02, BG 1</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>CT 9205.02, BG 2</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>CT 9205.02, BG 3</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>CT 9205.02, BG 4</td> <td>Yes</td> <td>No</td> </tr> </tbody> </table>	Census Tract, Block Group	Minority	Poverty	CT 9201, BG 3	Yes	No	CT 9203.01, BG 2	Yes	No	CT 9203.02, BG 1	No	Yes	CT 9204, BG 1	Yes	Yes	CT 9204, BG 2	Yes	No	CT 9204, BG 3	Yes	Yes	CT 9205.01, BG 1	Yes	No	CT 9205.02, BG 1	Yes	Yes	CT 9205.02, BG 2	Yes	No	CT 9205.02, BG 3	Yes	Yes	CT 9205.02, BG 4	Yes	No
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CT 9205.02, BG 4	Yes	No																																			
Natural Environment**																																					
Streams (# of stream crossings)	<ul style="list-style-type: none"> <li>Pinch Gut Creek (C)</li> <li>Tanyard Branch (C)</li> <li>Goulds Fork(C)</li> <li>Culpepper Creek (C)</li> <li>Grindstone Branch (C)</li> <li>Flat Fork (C)</li> <li>Little Brown Creek (C)</li> <li>Lampley Branch (C)</li> <li>Red River Branch (C)</li> <li>Brush Fork (C)</li> <li>Derita Creek (C)</li> <li>Lake Maree (C)</li> <li>Reedy Fork (C)</li> </ul>																																				



Floodplain crossing	261 acres – Flood Zone AE										
Wetlands (est. acres)	<table border="1"> <thead> <tr> <th>NWI Wetland Type</th> <th>Approximate Acres within the PSA</th> </tr> </thead> <tbody> <tr> <td>Freshwater Emergent Wetland</td> <td>3.08</td> </tr> <tr> <td>Freshwater Forested/Shrub Wetland</td> <td>188.98</td> </tr> <tr> <td>Freshwater Pond</td> <td>115.34</td> </tr> <tr> <td>Riverine</td> <td>158.25</td> </tr> </tbody> </table>	NWI Wetland Type	Approximate Acres within the PSA	Freshwater Emergent Wetland	3.08	Freshwater Forested/Shrub Wetland	188.98	Freshwater Pond	115.34	Riverine	158.25
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Freshwater Emergent Wetland	3.08										
Freshwater Forested/Shrub Wetland	188.98										
Freshwater Pond	115.34										
Riverine	158.25										
Ponds (est. acres connected to jurisdictional waters)	115										
Critical Water Supply Watersheds	None										
Riparian Buffer Rules	No (Yadkin-Pee Dee River Basin)										
Outstanding Resource Waters / High Quality Resource Waters	0										
303(d) Listed Streams	7										
Identified Critical Habitat/ESA Spp. (# known)	<p>No Known Critical Habitat</p> <p>Federally listed species within the study area:  Red-cockaded Woodpecker, Carolina Heelsplitter, Tricolored Bat, Schweinitz's Sunflower, and Monarch Butterfly</p> <p>In addition, there is bald and/or golden eagle habitat located within the study area.</p>										
<b>Physical Environment</b>											
Hazardous Materials (# suspected/known sites)	USTs – 32 ASTs – 9 Hazardous Site – 2 Inactive Hazardous Site – 1 Active Permitted Landfill – 1 Pre-Regulatory Landfill – 1										
Utilities	<p><b>Potential Northern and Southern Bypass Routes</b></p> <ul style="list-style-type: none"> <li>Rural corridors on new location alignment</li> <li>Minimal utilities at US 74 west and east tie-ins</li> <li>Transmission power and gas lines for northern route</li> </ul> <p><b>Existing US 74 Route</b></p> <ul style="list-style-type: none"> <li>Urban corridor on along existing US 74</li> <li>All utilities present with high impact</li> </ul>										
Active agriculture (Voluntary Agricultural District)	4 VAD										
FEMA Buyout Properties	TBD										

NOTES: This table is intended to be used in conjunction with the Environmental Features Map and the USGS Map.

\*A Community Characteristics Report (CCR) and a Community Impact Assessment (CIA) will be completed as part of the project planning process

\*\* A draft Natural Resources Technical Report (NRTR) will be completed as part of the project planning process

**TIP Project No. R-5878**  
**Wadesboro Bypass, Anson County**

**OTHER PROJECT HIGHLIGHTS**

- Tanyard Branch, Goulds Fork, Culpepper Creek, Grindstone Branch, Brush Fork, Derita Creek, and Reedy Fork are 303d or 303b impaired streams located in the project study area.
- North Fork Jones Creek (City Pond) is directly south of the project study area and is classified as a HQW resource. Little Brown Creek flows on the west side of the project study area and merges with Brown Creek (a 303d-listed impaired stream) just beyond the study area boundary.
- There are 220 NC State Historic Preservation Office (NCHPO) resources listed within the project study area. These are primarily concentrated near the Wadesboro town limits. There are also six historic districts within the project study area as listed:
  - Wadesboro Downtown Historic District (NR)
  - Westview Cemetery (NR)
  - Boggan-Hammond House and Alexander Little Wing (NR)
  - Caudle Family House (T. Lamar Caudle House) (DOE)
  - Wade Manufacturing Company and Mill Village Historic District (DOE)
  - Valley Motor Court (DOE)
- Other community resources in project study area:
  - 2 rail corridors (3 potential crossings)
  - 1 private airstrip
  - 5 utility solar facilities and 1 commercial solar facility<sup>1</sup>
- Approximately 94 acres of Duke Power Transmission Easements located within the project study area.
- The following protected lands are located completely or partially within the project study area:
  - 17 NC Natural Heritage Program Managed Areas
    - 6 owned by Anson County
    - 9 owned by Town of Wadesboro
    - 2 owned by the State of North Carolina
  - 2 NC Natural Heritage Natural Areas
    - Upper Brown Creek Swamp (private)
    - Millseat Outcrop (private)
  - 1 NC Division of Mitigation Services Easement
- Low-Income Housing in project study area:
  - 4 manufactured home parks
  - 59 US HUD Public Housing units owed by the Wadesboro Housing Authority
- A total of 841 crashes occurred along the existing US 74 corridor from SR 1249 (Prison Camp Road) to First Street in Lilesville (August 2018-July 2023).
  - 303 total injury crashes (36%)
  - 128 total truck crashes (15%)
    - The most prevalent type of truck crashes along the corridor are lane departure and frontal impact crashes.
    - The crash severities for truck related crashes:
      - 2 “severe injury” [A], 9 “evident injury” [B], 20 “possible injury” [C]
  - The study corridor has three locations currently on the 2023 NCDOT HSIP potentially hazardous intersection list:
    - SR 1733 (Camden Street): Statewide Rank: 410; Anson County Rank: **1**.
    - SR 1136 (Park Road): Statewide Rank: 1,921; Anson County Rank: **7**.
    - Anson Plaza Shopping Center: Statewide Rank: 2,257; Anson County Rank: **9**.

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<sup>1</sup> <https://energync.org/maps/>