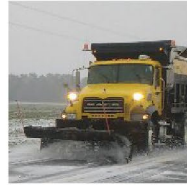


## **NORTH CAROLINA**

Department of Transportation



# I-5719 / U-5800 and U-6044 Pre-Advertisement Meeting

## NCDOT Alternative Delivery Unit

### February 6, 2024

# Meeting Housekeeping

- The attendee list for the meeting will be posted on the Project website
- The meeting will not be recorded
- Anytime during the presentation, please post your feedback and / or questions to the Meeting Chat box
- All questions and responses will be posted to the Project website
- Email requests for a One-on-One Meeting to: [designbuild@ncdot.gov](mailto:designbuild@ncdot.gov)

# Purpose of the Meeting

## Is to:

- Provide General Project Information
- Gauge Industry Interest and Concerns
- Get Feedback and Answer Questions

## Is not to:

- Provide Detailed / Technical Project Information
- Discuss Project RFP Details
- Conduct a Public Meeting

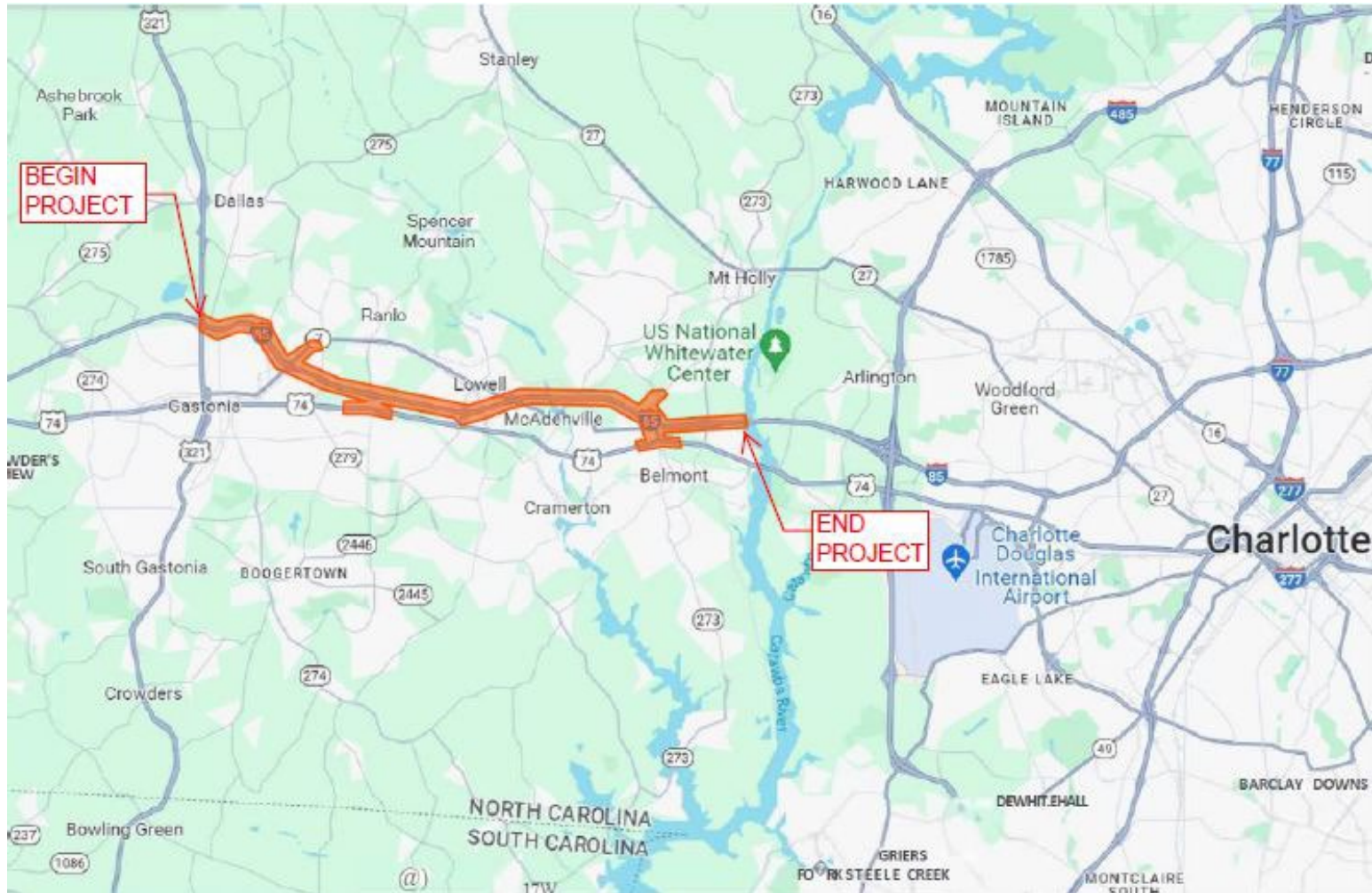
# Disclaimer

All details provided today are for information only, nonbinding, do not constitute legal or other advice, and do not amend or form part of the Request for Proposals (RFP)

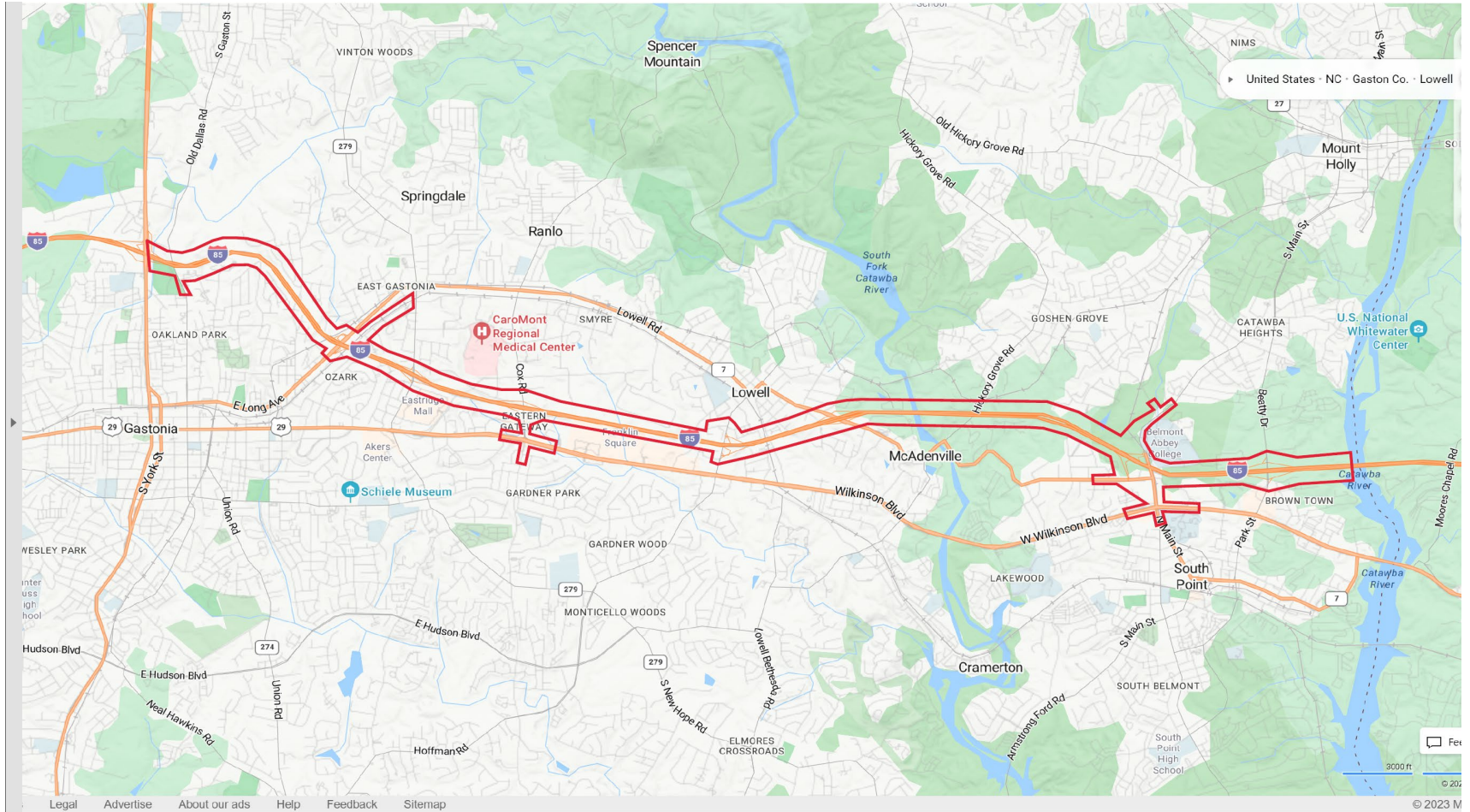
# Agenda

- Project Location / Overview
- Scopes of Work
- Alternate Technical Concepts
- Anticipated Project Information
- Anticipated Project Schedule

# Vicinity Map



# Project Location

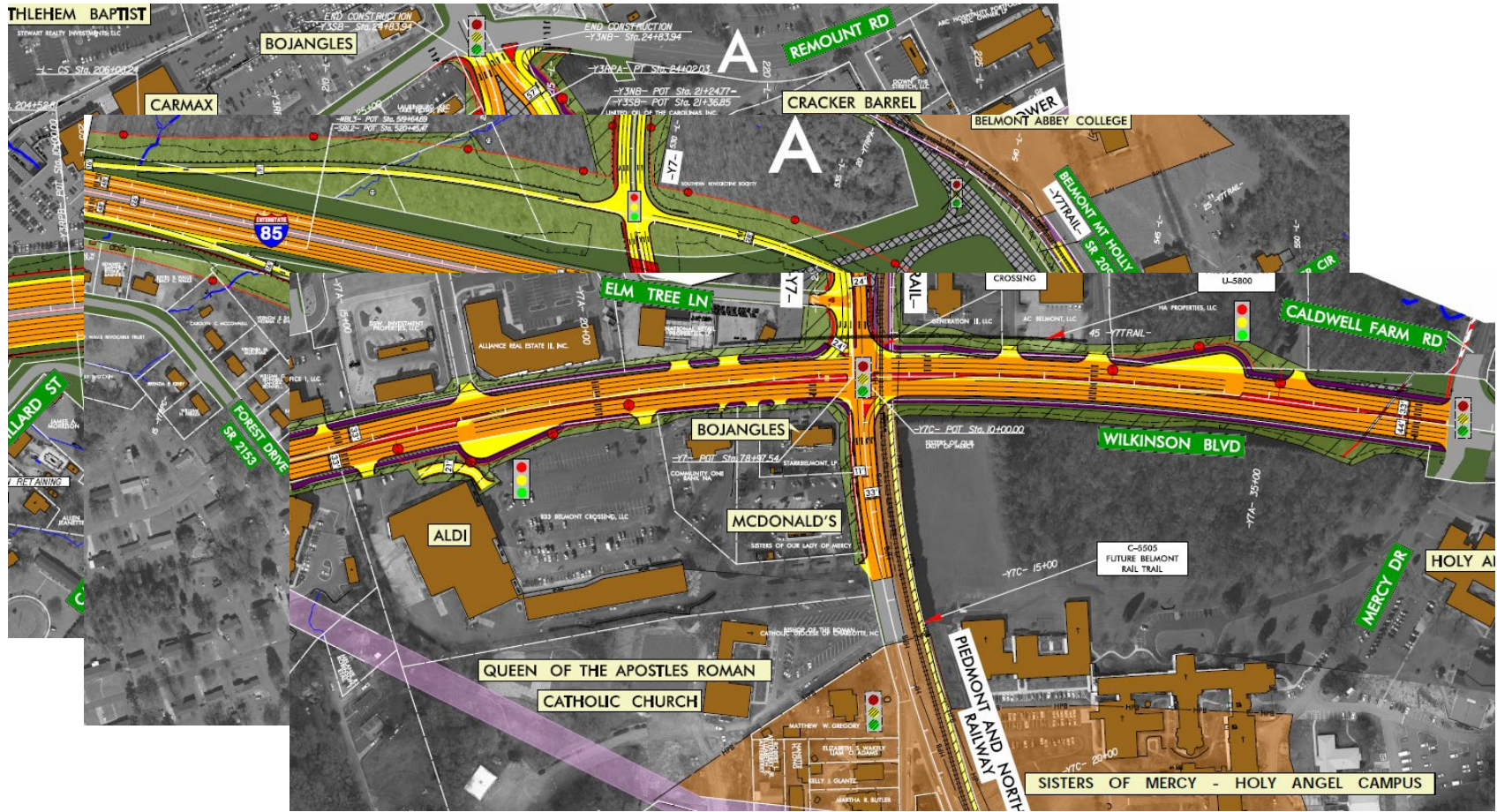


# Project Overview

- I-85 widening (six to eight lanes) from US 321 (North Chester Street) (Exit 17) to east of NC 273 (Beatty Drive / Park Street) (Exit 27)
- Intersection improvements - NC 7 (Main Street) and US 29 / 74 (Wilkinson Boulevard) in Belmont
- SR 2200 (Cox Road) widening from I-85 to US 29 / 74 and Intersection improvements – SR 2200 (Cox Road / Armstrong Park Road) and US 29 / 74 (East Franklin Boulevard) in Gastonia
- Length: 10.5 miles of mainline roadway and 2.8 miles of rail
- Design-Build procurement
- Three Percent (3%) DBE requirement
- The I-5719 portion of the Project is partially financed with Infrastructure for Rebuilding America (INFRA) and Mega Construction Project (Megaproject) Program Funds.



# Public Meeting Maps



The Public Meeting Maps maybe found on the Project website

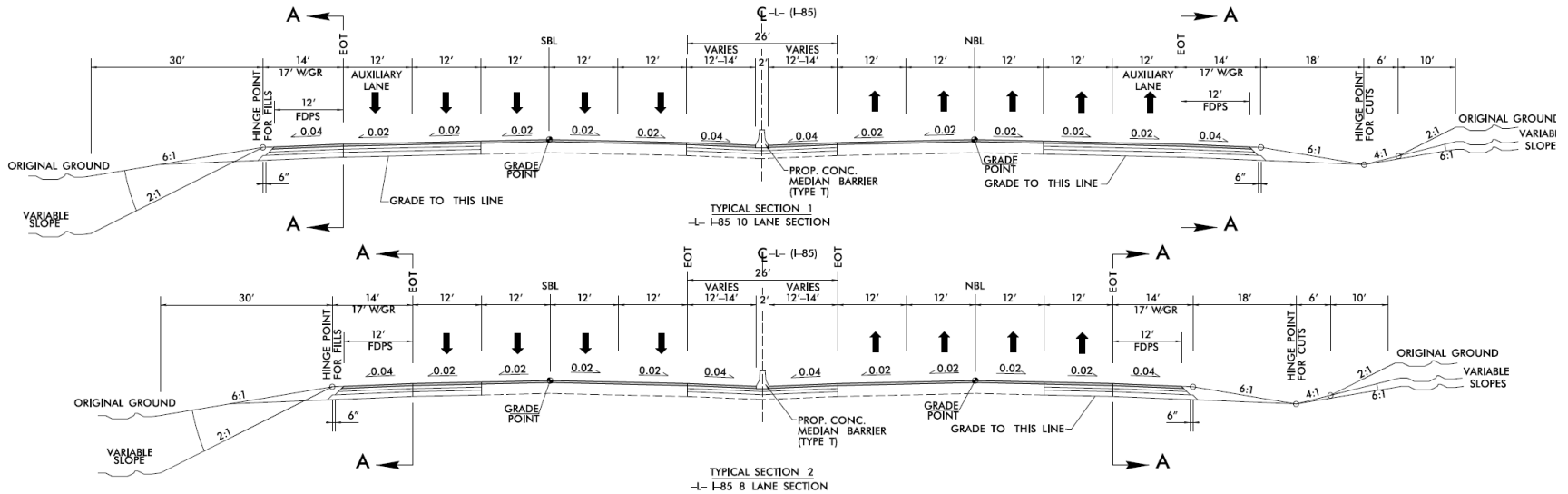
# Scopes of Work

- Roadway
- Aesthetics
- Environmental Permits
- Erosion and Sedimentation Control
- GeoEnvironmental
- Geotechnical Engineering
- Hydraulics
- ITS
- Lighting
- Pavement Management
- Pavement Markings
- Public Involvement and Information
- Railroad Coordination and Construction
- Right of Way
- Signing
- Structures
- Traffic Signals and Signal Communications
- Transportation Management
- Utilities Design and Coordination

# Roadway

- Widen I-85 from six lanes to eight lanes
- Construct auxiliary lanes, north and south bound between:
  - Exit 19 and Exit 20
  - Exit 20 and Exit 21
  - Exit 22 and Exit 23
  - Exit 26 and Exit 27
- Construct four urban landscaped roundabouts
- Construct a reduced conflict intersection (RCI) on US 29 / 74 (Wilkinson Boulevard) at NC 7 (Main Street)

# Roadway Typical



# Questions / Discussion

- Submit all comments and questions in the Meeting Chat box
- All questions and responses will be posted to the Project website

# Aesthetics

- High End Bridge and Mid-Grade Bridge Aesthetic Betterments (similar to the Monroe Bypass)
- Ornamental Fencing
- Pedestrian Lighting

# Environmental Permits

- U.S. Fish and Wildlife (USFWS) has issued a tree cutting moratorium for the Northern long-eared and Tricolored bats from April 1 to October 15. No tree cutting shall be allowed during this period.
- No ground-disturbing activities, including relocation of utilities, within the project until NCDOT has performed updated surveys for the Schweinitz's sunflower, dwarf-flowered heartleaf, Northern long-eared bat, and Tricolored bat within the project study area during the appropriate survey windows and have received concurrence from the USFWS, to document compliance with Section 7 of the Endangered Species Act.

# Hydraulics

- Major stream crossing design frequency: 100-year
- Replace all pipes within the existing / proposed right of way that are less than 48 inches and all metal pipes 48 inches or larger



# Pavement Management

- The Department is completing investigations regarding the pavement design alternatives (asphalt and concrete) for I-85.

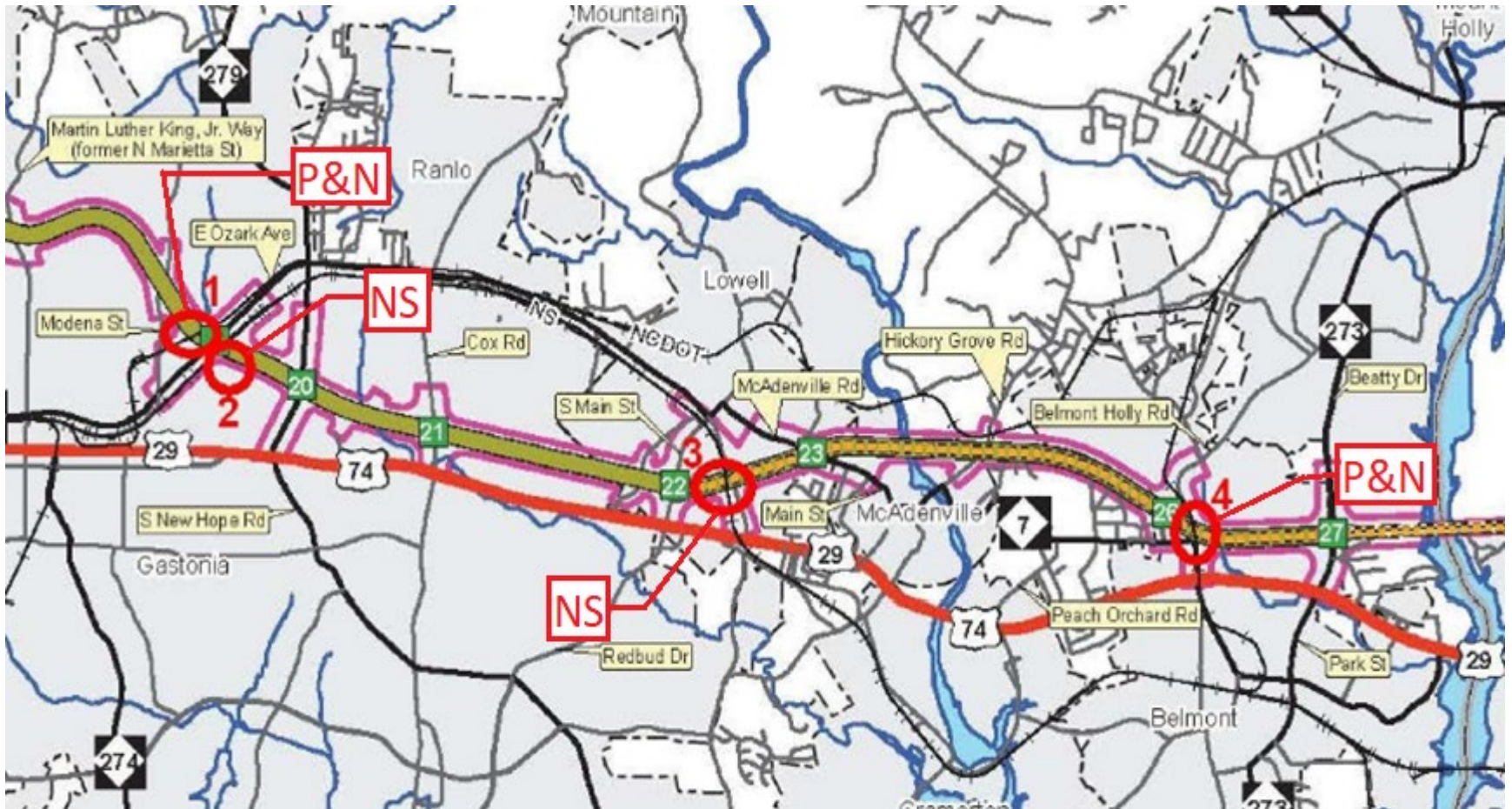
# Railroad Coordination

- Rail coordination with Norfolk-Southern Railway (NS), Piedmont & Northern Railway / NCDOT Rail Division (P&N)
- Prequalified disciplines and discipline codes required include, but are not limited to, the following:
  - Design Consultant Prequalification Codes Required for Rail:
    - 00182 Railroad Crossing Signal and Traffic Engineering Services
    - 00394 Industrial and Yard Track Design and Layout
    - 00395 Freight Main Track Design and Layout
  - Contractor Prequalification Codes Required for Rail:
    - 5010 Track Construction
    - 5050 Track Maintenance/Rehabilitation
    - 5080 At-Grade Crossing Surfaces
    - 5090 Right of Way Prime Contractor
- Design and construction of the new railyard between I-85 and SR 2200 (Cox Road).

# Railroad Coordination

- Design and construction of the new railroad bridges over I-85, including the detour track(s) / bridge(s) and permanent railroad track(s) / bridge(s), and on-site roadways detour including temporary and permanent at-grade crossings.
- All rail design and construction will adhere to Norfolk-Southern Railway standards and specifications.
- Rail items resolved:
  - P&N horizontal and vertical alignments and bridge typical west of NC 7 (E. Ozark Avenue)
  - NS bridge typical east of NC 7 (E. Ozark Avenue)
  - NS horizontal and vertical alignments west of Groves Street
  - P&N horizontal and vertical alignments and bridge typical east of SR 2093 (Belmont Mt Holly Road)

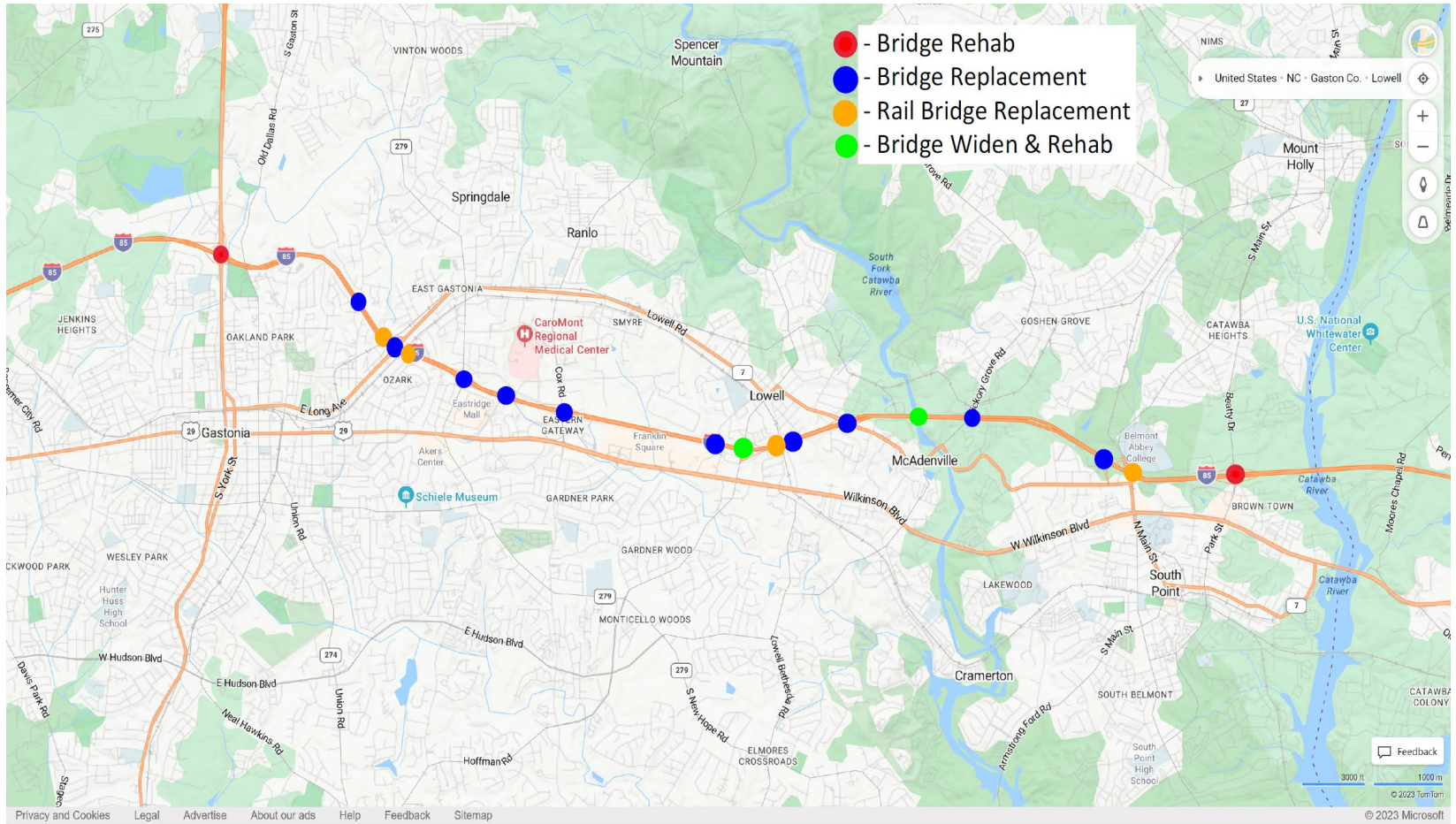
# Rail Locations



# Structures

- 18 Structures
  - Rehab – 2
  - Highway Bridge Replacement – 10
  - Highway Bridge Widen and Rehab – 2
  - Railway Bridge Replacement – 4
    - Norfolk Southern Railway – 2
    - Piedmont & Northern Railway - 2
- 11 Culverts (lengthen and supplement)
- 13 Retaining walls
- 11 Potential Noise Walls

# Structures



# Transportation Management

- Maintain three lanes in each direction of I-85 during construction
- An Incident Management Plan (IMP) will be required in and around the work zone
- No ramp, loop, lane or bridge closures will be permitted at Exits 22 and 23 from December 1 through December 26

# Utilities

- Six Water and Sewer Providers
- Two Natural Gas Providers (Dominion Energy and Plantation Pipeline)
- Two Petroleum Providers (Colonial and Products Pipeline (a.k.a. Kinder Morgan))
- Two Power Providers (Duke Energy and City of Gastonia Utilities)
- Two CATV Providers
- Six Telecommunications Providers
- Seven Fiber Optic Providers



# Alternate Technical Concepts (ATCs)

- The Department will accept ATCs for the Project.
- Anticipates ATCs for:
  - I-85 / NC 7 (E. Ozark Avenue) interchange (Exit 19)
  - I-85 / SR 2200 (Cox Road) interchange (Exit 21)
  - I-85 / NC 7 (McAdenville Road / Main Street) interchange (Exit 23)
  - I-85 / SR 2093 (Belmont Mt Holly Road/Main Street) interchange (Exit 26)

# Anticipated Project Information

- Survey
- Hazardous Materials
- Hydraulics
- Structures
- Roadway
- Utilities
- Environmental
- Geotech
- Traffic

All Project information will be made available to the Short-listed Teams on the Project website.

# Anticipated Project Schedule

<b>RFQ Advertisement</b>	<b>March 1, 2024</b>
<b>Statement of Qualifications due from Design-Build Teams</b>	<b>April 2, 2024</b>
<b>Department Announces Short-listed Teams</b>	<b>April 15, 2024</b>
<b>Department Issues First Industry Draft RFP to Short-listed Teams</b>	<b>April 15, 2024</b>
<b>First Meeting with Short-listed Teams</b>	<b>May 14, 2024</b>
<b>Department Issues Second Industry Draft RFP to Short-listed Teams</b>	<b>May 22, 2024</b>
<b>Department Holds Statement of Qualifications Debriefs</b>	<b>Week of May 20th</b>
<b>Second Meeting with Short-listed Teams</b>	<b>June 26, 2024</b>
<b>Department Issues Final RFP to Short-listed Teams</b>	<b>August 6, 2024</b>
<b>Technical Proposals Due</b>	<b>October 29, 2024</b>
<b>Sealed Price Proposals Due</b>	<b>November 8, 2024</b>
<b>Technical Presentations by Short-listed Teams</b>	<b>November 12, 2024</b>
<b>Open Price Proposals</b>	<b>November 19, 2024</b>

# Anticipated Project Schedule

- **Note the Anticipated Schedule is subject to change.**
- The Department will host an Industry Forum and Outreach Session with the Short-listed Teams and potential contractors, suppliers and DBE partners. (Location and Date TBD)

# Questions / Discussion

- Submit all comments and questions in the Meeting Chat box
- All questions and responses will be posted to the Project website
- One-on-One Meetings are available February 6 and 7. To schedule a One-on-One meeting email:  
[designbuild@ncdot.gov](mailto:designbuild@ncdot.gov)

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