U.S. Army Corps of Engineers (USACE)

NATIONWIDE PERMIT PRE-CONSTRUCTION NOTIFICATION (PCN)

For use of this form, see 33 CFR 330; the proponent agency is CECW-CO-R.

Form Approved - OMB No. 0710-0003
Expires: 2027-10-31

DATA REQUIRED BY THE PRIVACY ACT OF 1974

Authority Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Regulatory Program of the Corps of Engineers (Corps); Final Rule 33 CFR 320-332.

Principal Purpose Information provided on this form will be used in evaluating the nationwide permit pre-construction notification.

Routine Uses This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of the agency coordination process.

Disclosure Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can

The public reporting burden for this collection of information, 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PLEASE DO NOT RETURN YOUR RESPONSE TO THE ABOVE EMAIL.

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (*see sample drawings and/or instructions*) and be submitted to the district engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
		10/15/2026	

(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME	8. AUTHORIZED AGENT'S NAME AND TITLE (*agent is not required*)
First – Michael Middle – Last – Turchy	First – Middle – Last –
Company – North Carolina Department of Transportation	Company –
Company Title –	E-mail Address –
E-mail Address – maturchy@ncdot.gov	
6. APPLICANT'S ADDRESS	**9. AGENT'S ADDRESS**
Address – 1598 Mail Service Center	Address –
City – Raleigh State – NC ZIP – 27606 Country – US	City – State – ZIP – Country –
7. APPLICANT'S PHONE NOs. with AREA CODE	**10. AGENT'S PHONE NOs. with AREA CODE**
a. Business b. c. Fax	a. b. c. Fax
+19197076157	

STATEMENT OF AUTHORIZATION

11. I hereby authorize, to act in my behalf as my agent in the processing of this nationwide permit pre-construction notification and to furnish, upon request, supplemental information in support of this nationwide permit pre-construction notification.

SIGNATURE OF APPLICANT DATE

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME or TITLE (*see instructions*)

NCDOT Reissuance/ P-5709/ Franklin Blvd Grade Separation / Guilford / Div 7/ 46920.3.1

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

13. NAME OF WATERBODY, IF KNOWN (*if applicable*)

14. PROPOSED ACTIVITY STREET ADDRESS (*if applicable*)

Address: 3394 E Bessemer Ave

City: Greensboro State: NC Zip: 27405

15. LOCATION OF PROPOSED ACTIVITY (*see instructions*)

Latitude: 36.0841089 °N Longitude: -79.740788 °W

16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (*see instructions*)

Section – Township – Range –

County – Guilford County Project Area – 105 Acres State Tax Parcel ID –

17. DIRECTIONS TO THE SITE

18. IDENTIFY THE SPECIFIC NATIONWIDE PERMIT(S) YOU PROPOSE TO USE

NWP 14 Linear Transportation Projects

19. DESCRIPTION OF PROPOSED NATIONWIDE PERMIT ACTIVITY (*see instructions*)

The North Carolina Department of Transportation (NCDOT) proposes to construct a grade separation at the Franklin Boulevard crossing (722959A) and close the O'Ferrell Street crossing (722961B) of the Norfolk Southern Railway (NS) H-line in Greensboro, Guilford County.
NCDOT Transportation Project.

20. DESCRIPTION OF PROPOSED MITIGATION MEASURES (*see instructions*)

Erosion and sediment Best Management Practices (BMPs) will be installed prior to construction. Water will be diverted around work areas to prevent sedimentation of downstream aquatic resources. Impacts will be minimized by strict enforcement of the BMPs for the protection of surface waters, and restrictions against staging of equipment in or adjacent to waters of the US will be implemented.

21. PURPOSE OF NATIONWIDE PERMIT ACTIVITY (*Describe the reason or purpose of the project, see instructions*)

In 2013 the NCDOT Rail Division, City of Greensboro, Norfolk Southern Railway (NS), and the North Carolina Railroad (NCRR) participated in a comprehensive evaluation of traffic patterns and road usage at six existing at-grade crossings in Guilford County located along the NS rail corridor. Using quantitative and qualitative measures, the Traffic Separation Study (TSS) recommended a grade-separation at the Franklin Boulevard crossing and to close O'Farrell Street. The Franklin

Boulevard crossing was the highest priority of the six crossings in the study, given its traffic volumes and connectivity with the larger street network.

22. QUANTITY OF WETLANDS, STREAMS, OR OTHER TYPES OF WATERS DIRECTLY AFFECTED BY PROPOSED NATIONWIDE PERMIT ACTIVITY (*see instructions*)

See Appendix B

Each PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site.

25. List any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity. (*see instructions*)

Nationwide Permit, Other

26. If the proposed activity will result in the loss of greater than 1/10-acre of wetlands and/or the loss of greater than 3/100-acre of stream bed and requires pre-construction notification, explain how the compensatory mitigation requirement in paragraph (c) and/or paragraph (d) of general condition 23 will be satisfied, or explain why the adverse environmental effects are no more than minimal and why compensatory mitigation should not be required for the proposed activity.

27. Is any portion of the nationwide permit activity already complete? ☑ Yes ☐ No

If Yes, describe the completed work:

Utility Relocation by Others Complete 3/19/27

Project Let 05/18/2027

28. List the name(s) of any species listed as endangered or threatened under the Endangered Species Act that might be affected by the proposed NWP activity or utilize the designated critical habitat that might be affected by the proposed NWP activity. (*see instructions*)

Monarch butterfly,Small whorled pogonia,Schweinitz's sunflower

ADDITIONAL AFFECTED SPECIES:

None

See attached section 7 information.

29. List any historic properties that have the potential to be affected by the proposed NWP activity or include a vicinity map indicating the location of the historic property or properties. (*see instructions*)

See attached section 106 materials.

30. For a proposed NWP activity that will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, identify the Wild and Scenic River or the "study river":

31. If the proposed NWP activity also requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers federally authorized civil works project, have you submitted a written request for section 408 permission from the Corps district having jurisdiction over that project? ☐ Yes ☑ No

If "yes", please provide the date your request was submitted to the Corps district:

32. If the terms of the NWP(s) you want to use require additional information to be included in the PCN, please include that information in this space or provide it on an additional sheet of paper marked Block 30. (*see instructions*)

This is a reverification request. The previous Nationwide permit will expire before project construction is complete.

33. Pre-construction notification is hereby made for one or more nationwide permit(s) to authorize the work described in this notification. I certify that the information in this pre-construction notification is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

Michael Turchy	10/15/2026		
SIGNATURE OF APPLICANT	DATE	SIGNATURE OF AGENT	DATE

The pre-construction notification must be signed by the person who desires to undertake the proposed activity (applicant) and, if the statement in Block 11 has been filled out and signed, the authorized agent.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than $10,000 or imprisoned not more than five years or both.

Instructions for Preparing a

Department of the Army

Nationwide Permit (NWP) Pre-Construction Notification (PCN)

Blocks 1 through 4. To be completed by the Corps of Engineers.

Block 5. Applicant's Name. Enter the name and the e-mail address of the responsible party or parties. If the responsible party is an agency, company, corporation, or other organization, indicate the name of the organization and responsible officer and title. If more than one party is associated with the preconstruction notification, please attach a sheet of paper with the necessary information marked Block 5.

Block 6. Address of Applicant. Please provide the full address of the party or parties responsible for the PCN. If more space is needed, attach an extra sheet of paper marked Block 6.

Block 7. Applicant's Telephone Number(s). Please provide the telephone number where you can usually be reached during normal business hours.

Blocks 8 through 11. To be completed, if you choose to have an agent.

Block 8. Authorized Agent's Name and Title. Indicate name of individual or agency, designated by you, to represent you in this process. An agent can be an attorney, builder, contractor, engineer, consultant, or any other person or organization. Note: An agent is not required.

Blocks 9 and 10. Agent's Address and Telephone Number. Please provide the complete mailing address of the agent, along with the telephone number where he / she can be reached during normal business hours.

Block 11. Statement of Authorization. To be completed by the applicant, if an agent is to be employed.

Block 12. Proposed Nationwide Permit Activity Name or Title. Please provide a name identifying the proposed NWP activity, e.g., Windward Marina, Rolling Hills Subdivision, or Smith Commercial Center.

Block 13. Name of Waterbody. Please provide the name (if it has a name) of any stream, lake, marsh, or other waterway to be directly impacted by the NWP activity. If it is a minor (no name) stream, identify the waterbody the minor stream enters.

Block 14. Proposed Activity Street Address. If the proposed NWP activity is located at a site having a street address (not a box number), please enter it in Block 14.

Block 15. Location of Proposed Activity. Enter the latitude and longitude of where the proposed NWP activity is located. Indicate whether the project location provided is the center of the project or whether the project location is provided as the latitude and longitude for each of the "corners" of the project area requiring evaluation. If there are multiple sites, please list the latitude and longitude of each site (center or corners) on a separate sheet of paper and mark as Block 15.

Block 16. Other Location Descriptions. If available, provide the Tax Parcel Identification number of the site, Section, Township, and Range of the site (if known), and / or local Municipality where the site is located.

Block 17. Directions to the Site. Provide directions to the site from a known location or landmark. Include highway and street numbers as well as names. Also provide distances from known locations and any other information that would assist in locating the site. You may also provide a description of the location of the proposed NWP activity, such as lot numbers, tract numbers, or you may choose to locate the proposed NWP activity site from a known point (such as the right descending bank of Smith Creek, one mile downstream from the Highway 14 bridge). If a large river or stream, include the river mile of the proposed NWP activity site if known. If there are multiple locations, please indicate directions to each location on a separate sheet of paper and mark as Block 17.

Block 18. Identify the Specific Nationwide Permit(s) You Propose to Use. List the number(s) of the Nationwide Permit(s) you want to use to authorize the proposed activity (e.g., NWP 29).

Block 19. Description of the Proposed Nationwide Permit Activity. Describe the proposed NWP activity, including the direct and indirect adverse environmental effects the activity would cause. The description of the proposed activity should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal. Identify the materials to be used in construction, as well as the methods by which the work is to be done.

Provide sketches when necessary to show that the proposed NWP activity complies with the terms of the applicable NWP(s). Sketches usually clarify the activity and result in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed NWP activity (e.g.,a conceptual plan), but do not need to be detailed engineering plans.

The written descriptions and illustrations are an important part of the application. Please describe, in detail, what you wish to do. If more space is needed, attach an extra sheet of paper marked Block 19.

Block 20. Description of Proposed Mitigation Measures. Describe any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed NWP activity. The description of any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or additional mitigation measures.

Block 21. Purpose of Nationwide Permit Activity. Describe the purpose and need for the proposed NWP activity. What will it be used for and why? Also include a brief description of any related activities associated with the proposed project. Provide the approximate dates you plan to begin and complete all work.

Block 22. Quantity of Wetlands, Streams, or Other Types of Waters Directly Affected by the Proposed Nationwide Permit Activity. For discharges of dredged or fill material into waters of the United States, provide the amount of wetlands, streams, or other types of waters filled, flooded, excavated, or drained by the proposed NWP activity. For structures or work in navigable waters of the United States subject to Section 10 of the Rivers and Harbors Act of 1899, provide the amount of navigable waters filled, dredged, or occupied by one or more structures (e.g., aids to navigation, mooring buoys) by the proposed NWP activity.

For multiple NWPs, or for separate and distant crossings of waters of the United States authorized by NWPs 12 or 14, attach an extra sheet of paper marked Block 21 to provide the quantities of wetlands, streams, or other types of waters filled, flooded, excavated, or drained (or dredged or occupied by structures, if in waters subject to Section 10 of the Rivers and Harbors Act of 1899) for each NWP. For NWPs 12 and 14, include the amount of wetlands, streams, or other types of waters filled, flooded, excavated, or drained for each separate and distant crossing of waters or wetlands. If more space is needed, attach an extra sheet of paper marked Block 22.

Block 23. Identify Any Other Nationwide Permit(s), Regional General Permit(s), or Individual Permit(s) Used to Authorize Any Part of Proposed Activity or Any Related Activity. List any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity. For linear projects, list other separate and distant crossings of waters and wetlands authorized by NWPs 12 or 14 that do not require PCNs. If more space is needed, attach an extra sheet of paper marked Block 23.

Block 24. Compensatory Mitigation Statement for Losses of Greater Than 1/10-Acre of Wetlands and/or of Greater Than 3/100-Acre of Stream Bed When Pre-Construction Notification is Required. Paragraphs (c) and (d) of NWP general condition 23 require compensatory mitigation at a minimum one-for-one replacement ratio for all wetland losses that exceed 1/10-acre and/or for all losses of stream bed that exceed 3/100-acre, unless the district engineer determines in writing that either some other form of mitigation is more environmentally appropriate or the adverse environmental effects of the proposed NWP activity are no more than minimal without compensatory mitigation, and provides an activity-specific waiver of this requirement. Describe the proposed compensatory mitigation for wetland losses greater than 1/10 acre and/or for losses of stream bed that exceed 3/100-acre, or provide an explanation of why the district engineer should not require wetland and/or stream compensatory mitigation for the proposed NWP activity. If more space is needed, attach an extra sheet of paper marked Block 24.

Block 25. Is Any Portion of the Nationwide Permit Activity Already Complete? Describe any work that has already been completed for the NWP activity.

Block 26. List the Name(s) of Any Species Listed As Endangered or Threatened under the Endangered Species Act that Might be Affected by the Nationwide Permit Activity. If you are not a federal agency, and if any listed species or designated critical habitat might be affected or is in the vicinity of the proposed NWP activity, or if the proposed NWP activity is located in designated critical habitat, list the name(s) of those endangered or threatened species that might be affected by the proposed NWP activity or utilize the designated critical habitat that might be affected by the proposed NWP activity. If you are a Federal agency, and the proposed NWP activity requires a PCN, you must provide documentation demonstrating compliance with Section 7 of the Endangered Species Act.

Block 27. List Any Historic Properties that Have the Potential to be Affected by the Nationwide Permit Activity. If you are not a Federal agency, and if any historic properties have the potential to be affected by the proposed NWP activity, list the name(s) of those historic properties that have the potential to be affected by the proposed NWP activity. If you are a Federal agency, and the proposed NWP activity requires a PCN, you must provide documentation demonstrating compliance with Section 106 of the National Historic Preservation Act.

Block 28. List the Wild and Scenic River or Congressionally Designated Study River if the Nationwide Permit Activity Would Occur in such a River. If the proposed NWP activity will occur in a river in the National Wild and Scenic River System or in a river officially designated by Congress as a "study river" under the Wild and Scenic Rivers Act, provide the name of the river. For a list of Wild and Scenic Rivers and study rivers, please visit http://www.rivers.gov/.

Block 29. Nationwide Permit Activities that also Require Permission from the Corps Under 33 U.S.C. 408. If the proposed NWP activity also requires permission from the Corps under 33 U.S.C. 408 because it will temporarily or permanently alter, occupy, or use a Corps federal authorized civil works project, indicate whether you have submitted a written request for section 408 permission from the Corps district having jurisdiction over that project.

Block 30. Other Information Required For Nationwide Permit Pre Construction Notifications. The terms of some of the Nationwide Permits include additional information requirements for preconstruction notifications:

* NWP 3, Maintenance –information regarding the original design capacities and configurations of the outfalls, intakes, small impoundments, and canals.
* NWP 31, Maintenance of Existing Flood Control Facilities –a description of the maintenance baseline and the dredged material disposal site.
* NWP 33, Temporary Construction, Access, and Dewatering –a restoration plan showing how all temporary fills and structures will be removed and the area restored to pre project conditions.
* NWP 44, Mining Activities –if reclamation is required by other statutes, then a copy of the final reclamation plan must be submitted with the pre construction notification.
* NWP 45, Repair of Uplands Damaged by Discrete Events –documentation, such as a recent topographic survey or photographs, to justify the extent of the proposed restoration.
* NWP 48, Commercial Shellfish Aquaculture Activities –(1) a map showing the boundaries of the project area, with latitude and longitude coordinates for each corner of the project area; (2) the name(s) of the species that will be cultivated during the period this NWP is in effect; (3) whether canopy predator nets will be used; (4) whether suspended cultivation techniques will be used; and (5) general water depths in the project area (a detailed survey is not required).
* NWP 49, Coal Remining Activities –a document describing how the overall mining plan will result in a net increase in aquatic resource functions must be submitted to the district engineer and receive written authorization prior to commencing the activity.
* NWP 50, Underground Coal Mining Activities –if reclamation is required by other statutes, then a copy of the reclamation plan must be submitted with the pre construction notification.

If more space is needed, attach an extra sheet of paper marked Block 30.

Block 31. Signature of Applicant or Agent. The PCN must be signed by the person proposing to undertake the NWP activity, and if applicable, the authorized party (agent) that prepared the PCN. The signature of the person proposing to undertake the NWP activity shall be an affirmation that the party submitting the PCN possesses the requisite property rights to undertake the NWP activity (including compliance with special conditions, mitigation, etc.).

DELINEATION OF WETLANDS, OTHER SPECIAL AQUATIC SITES, AND OTHER WATERS

Each PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site. Wetland delineations must be prepared in accordance with the current wetland delineation manual and regional supplement published by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many wetlands, other special aquatic sites, and other waters. The 45 day PCN review period will not start until the delineation is submitted or has been completed by the Corps.

DRAWINGS AND ILLUSTRATIONS

General Information.

Three types of illustrations are needed to properly depict the work to be undertaken. These illustrations or drawings are identified as a Vicinity Map, a Plan View or a Typical Cross Section Map. Identify each illustration with a figure or attachment number. For linear projects (e.g. roads, subsurface utility lines, etc.) gradient

drawings should also be included. Please submit one original, or good quality copy, of all drawings on 8½x11 inch plain white paper (electronic media may be substituted). Use the fewest number of sheets necessary for your drawings or illustrations. Each illustration should identify the project, the applicant, and the type of illustration (vicinity map, plan view, or cross section). While illustrations need not be professional (many small, private project illustrations are prepared by hand), they should be clear, accurate, and contain all necessary information.

ADDITIONAL INFORMATION AND REQUIREMENTS

For proposed NWP activities that involve discharges into waters of the United States, water quality certification from the State, Tribe, or EPA must be obtained or waived (see NWP general condition 25). Some States, Tribes, or EPA have issued water quality certification for one or more NWPs. Please check the appropriate Corps district web site to see if water quality certification has already been issued for the NWP(s) you wish to use. For proposed NWP activities in coastal states, state Coastal Zone Management Act consistency concurrence must be obtained, or a presumption of concurrence must occur (see NWP general condition 26). Some States have issued Coastal Zone Management Act consistency concurrences for one or more NWPs. Please check the appropriate Corps district web site to see if Coastal Zone Management Act consistency concurrence has already been issued for the NWP(s) you wish to use.

Appendix C. Impact Inventory:

Water Name	*Impact Name*	*Activity*	*Type of Material Being Discharged*	*Resource Type*	*Permanent Loss (Y/N)*	*Impact Duration*	*Amount Type*	*Proposed Length*	*Proposed Width*	*Proposed Amount*	*Amount Units*
WA	42" RCP-IV and Roadway Fill	Discharge of fill material	riprap	Non-Tidal Wetland	Yes	Permanent	Fill Area			194	Square Feet
SA	42" RCP-IV and Roadway Fill	Discharge of fill material	riprap	River/Stream	Yes	Permanent	Fill Area	125	1	125	Square Feet
SB	Pipe Outlet Channel Stabilization	Discharge of fill material	riprap	River/Stream	No	Permanent	Fill Area	38	1	38	Square Feet
SB	Pipe Outlet Channel Stabilization	Discharge of fill material	riprap	River/Stream	No	Temporary	Fill Area	8	1	8	Square Feet

Provide any additional information you may have about the proposed quantity of wetlands, streams, or other types of waters directly affected by the proposed activity. This level of detail is helpful to better understand the type of impacts that are proposed for your project.

Total Stream Impacts 171 linear feet.

Total Wetland Impacts .004 ac.

Appendix H. Supporting Information:

Document Type	*Document Created Date (YYYY-MM-DD)*	*Document Label*	*Information Source/Citation*	*Uploaded file name*
Historic Properties Cultural Resources Information	2024-03-28	Historic Architecture and Effects Signed	NCDOT	17-12-0033_EffectsSigned.pdf
Historic Properties Cultural Resources Information	2023-12-04	No Archaeological Survey Required	NCDOT	Franklin-O'Ferrell RRX (Guilford) No Survey 2023.pdf
Other Information	2024-10-21	P-5701 401	NCDEQ	P-5709 2024-10-21 401.pdf
Other Information	2024-10-23	P-5709 NWP 14	USACE	P-5709 2024-10-23 NWP 14.pdf
Threatened Endangered Species Report	2026-09-10	Sunflower Survey	NCDOT	P-5709 2026-9-10 Sunflower Survey.pdf
Project Plans	2023-07-26	Permit Drawings	NCDOT	P-5709 Permit Drawings.pdf
Other Information	2024-08-19	P-5709 CE	NCDOT	P-5709_CE.pdf

U.S. Army Corps of Engineers (USACE)

PERMIT INFORMATION SHEET

PERMIT FORM TYPE	DATE RECEIVED
ENG 6082	10/15/2026

TYPE OF PERMIT YOU'RE REQUESTING

☐ Standard ☐ Letter Of Permission ☑ General Permit

APPLICABLE STATUTORY AUTHORITY

☑ Section 404 Clean Water Act ☐ Section 10 Rivers and Harbors Act

☐ Section 103 of the Marine Protection, Research, and Sanctuaries Act

DO YOU PROPOSE COMPENSATORY MITIGATIONS?

No

COASTAL DISTRICT

WOULD THE PROJECT OCCUR IN THE TERRITORIAL SEAS OR OCEAN WATERS?

No

DESCRIBE THE ACTIVITY'S RELATIONSHIP TO THE BASELINE FROM WHICH THE TERRITORIAL SEA IS MEASURED

SECTION 408 USACE CIVIL WORKS PROJECTS

WILL THE PROPOSED ACTIVITY REQUIRES PERMISSION FROM THE USACE PURSUANT TO 33 U.S.C. 408 BECAUSE IT WILL ALTER OR TEMPORARILY OR PERMANENTLY OCCUPY OR USE A U.S. ARMY CORPS OF ENGINEERS FEDERALLY AUTHORIZED CIVIL WORKS PROJECT?

☐ Yes ☑ No ☐ I'm not sure

IF YES, HAVE YOU SUBMITTED A WRITTEN REQUEST FOR SECTION 408 PERMISSION FROM THE USACE DISTRICT HAVING JURISDICTION OVER THAT PROJECT?

☐ Yes ☑ No

GENERAL PERMIT INFORMATION

WILL THE PROPOSED ACTIVITY RESULT IN A LOSS TO WETLANDS OR WATERS THAT EXCEEDS NATIONAL OR DISTRICT THRESHOLDS?

No

U.S. Army Corps of Engineers (USACE)

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT – PARTNER APPENDIX

For use of this form, see 33 CFR 325. The proponent agency is CECW-COR.

AUTHORITIES: The Department of Army Corps of Engineers (Corps) and partner entities have established a joint process for activities impacting jurisdictional waterways that require review and/or approval of both the Corps and its partners. Department of Army permits are required by Section 10 of the Rivers & Harbors Act of 1899 for any structure(s) or work in or affecting navigable waters of the United States and by Section 404 of the Clean Water Act for the discharge of dredged or fill materials into waters of the United States, including adjacent wetlands. This supplemental information is provided to the partner entity along with the standard regulatory forms.

PARTNER INFORMATION

ORGANIZATION:	**PARTNER ID:**	**NAME AND CODE:**
NC Division of Water Resources (DWR)		**Form Name**: NATIONWIDE/GENERAL/INDIVIDUAL PERMIT - DWR 401 Application Form NC Division of Water Resources Application Information **Form Code**: NCDWR 401

In North Carolina, many activities covered by Nationwide and Regional General Permits, as well as Individual Permits, also require a 401 Water Quality Certification from the Division of Water Resources. To streamline the application process for both the U.S. Army Corps of Engineers (USACE) and the North Carolina Division of Environmental Quality (NCDEQ) - Division of Water Resources (DWR), we have collaborated on this joint application form.

This joint application form serves to fulfill reporting requirements for both agencies under Sections 401 and 404 of the Clean Water Act, and Section 10 of the Rivers and Harbor Act of 1899, for specific activities permitted through Nationwide Permits (NWPs), Regional General Permits (RGPs), and Individual Permits. The RRS is now the preferred method for submitting application information for these permits.

For questions, please contact the USACE at (910) 251-4633.

The Wilmington District and the North Carolina Department of Environmental Quality (NCDEQ) have collaborated to develop a Joint Permit Application (JPA) within the Regulatory Request System (RRS) for use with Nationwide Permits (NWP) and Regional General Permits (RGP), as well as, Individual Permits. This system functions similarly to previous versions of the Pre-Construction Notification form (also known as e-PCN). The RRS is an online platform that enables applicants to electronically upload and submit all required information to the reviewing agencies.

The RRS JPA fulfills the application and reporting requirements for both the U.S. Army Corps of Engineers (USACE) and NCDEQ for activities authorized under Sections 401 and 404 of the Clean Water Act, as well as Section 10 of the Rivers and Harbors Act of 1899.

Projects that fall within the North Carolina Division of Coastal Manangement (NCDCM) review area, will need to coordinate their application with NCDCM directly. To learn more, visit the [NCDCM website](https://www.deq.nc.gov/about/divisions/division-coastal-management).

USACE/NCDWR Joint Application Form for Nationwide Permits, Regional General Permits, and Individual Permits (along with corresponding Water Quality Certifications)

PLEASE NOTE: THE SYSTEM IS STILL UNDER DEVELOPMENT, AND DATA CURRENTLY DOES NOT TRANSMIT ELECTRONICALLY TO NCDEQ'S DIVISION OF WATER RESOURCES (DWR). UNTIL FURTHER NOTICE, APPLICANTS MUST SUBMIT COMPLETED RRS JPA DOCUMENTS THROUGH [NCDEQ'S "PROJECT SUBMITTAL INTERIM FORM" WEBSITE](https://edocs.deq.nc.gov/Forms/Supplemental-Information-Form).
[Additional Instructions](https://edocs.deq.nc.gov/WaterResources/Browse.aspx?dbid=0&startid=3890140)

SUPPLEMENTAL INFORMATION COLLECTED

ADDITIONAL CONTACT INFORMATION - Property Owner

- Is the owner the same as the applicant?
  - Yes

- Provide Primary Property Owner information
    - Please see the JPA_ContactReport.xlsx to review the provided contact data.

- Provide Additional Property Owner information
    - Please see the JPA_ContactReport.xlsx to review the provided contact data.

PROCESSING INFORMATION -

- Does the project involve maintenance dredging funded by the Shallow Draft Navigation Channel Dredging and Aquatic Weed Fund OR involve the distribution or transmission of energy or fuel (including natural gas, diesel, petroleum, or electricity)?
    - No

- Is this project connected with (American Rescue Plan Act) ARPA funding or S.L. 2023-134 (earmark)?
    - No

- Please select:
    - Not Applicable (Question not presented)

- Please provide the DWI ARPA Funding Project Number (ie: SRP-W-ARP-1234 or SRP-W-134-1234):
  *The DWI Funding Project number can be located on the "Letter of Intent to Fund" (LOIF) or "Offer and Acceptance Letter". If you do not know your DWI project #, please contact your DWI project manager or fund recipient (e.g., LGU).
    - Not Applicable (Question not presented)

- Is this a NC Division of Mitigation Services (NCDMS) Project? Note - Select Yes only if NCDMS is the applicant/co-applicant.
    - No

- Is this project a public transportation project?
    - Yes

- Is this a NC Department of Transportation (NCDOT) project?
    - Yes

- (NCDOT only) T.I.P. (Transportation Improvement Program) or state project number:
    - P-5709

- (NCDOT only) WBS #
    - 46920.1.1

- Application for NC Division of Water Resources (DWR) Certification.
  Type(s) of approval sought from the DWR? (Select all that apply)
    - 401 Water Quality Certification

- Is this a modification OR new project with existing ID?
    - Yes

- Please provide the DWR ID number.
    - 20241263

- Is the project located in any of NC's twenty coastal counties?
    - No

- Is the project located within a NC Division of Coastal Management (DCM) Area of Environmental Concern (AEC)?
    - Not Applicable (Question not presented)

- Is the project located in a designated trout watershed? [Learn more about Trout](https://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordination/Trout.aspx)
    - No

- If yes, attach a copy of existing correspondence from the Wildlife Resource Commission Office.
    - Not Applicable (Question not presented)

WATERS DETAILS -

- Name of nearest waterbody? [Surface Water Lookup](https://experience.arcgis.com/experience/7073e9122ab74588b8c48ded34c3df55/)
    - UT to South Buffalo Creek

- Does the proposed activity impact perennial or intermittent streams?
    - Yes

- Please ensure that the Aquatic Resource Inventory section includes all perennial and intermittent streams and be sure to identify them with appropriate Cowardin codes.
  (Click the Aquatic Resources Inventory in the menu on the left to navigate to that section.)

  Note: Use the Cowardin Code "R2 or R3" for perennial. Use Cowardin Code "R4" for intermittent.
  If no code provided, waters will be assumed to be perennial.
    - Not Applicable (Question not presented)

NON-JD IMPACT DETAILS - NOTE: Questions only appear in this section when 'Non-404 Jurisdictional Waters Permit' has been included among the Type(s) of approval sought from the DWR.

- Will the project result in impacts to Non-404 JD waters?
    - Not Applicable (Question not presented)

- Please ensure that the associated Non-404 Jurisdictional Waters have been entered in the Aquatic Resource Inventory section of the Permit Application. Use the Aquatic Resource Type of "DELIN.NOJD-404".
  (Click the "Aquatic Resources Inventory" option in the menu on the left to navigate to that section.)

    - Not Applicable (Question not presented)

BUFFER IMPACTS AND MITIGATION SUMMARY - Additional impacts and mitigation not previously covered in this application: Buffers

- Will project occur in an area subject to state riparian buffer regulations?
    - Yes

- Will project result in any impacts within a protected riparian buffer?
    - No

- Which protected basin(s) is the project located within?
    - Not Applicable (Question not presented)

- Other Protected Basin
    - Not Applicable (Question not presented)

- Are the buffer regulations implemented by a delegated local government?
    - Not Applicable (Question not presented)

- Please specify which local government.
    - Not Applicable (Question not presented)

- Impact Details
    - Please see the JPA_DynamicTableReport.xlsx to review the provided data.

- Total Temporary Buffer Impacts
    - Not Applicable (Question not presented)

- Total Permanent Buffer Impacts
    - Not Applicable (Question not presented)

- Total Combined Buffer Impacts
    - Not Applicable (Question not presented)

- Will the project result in an impact within a protected riparian buffer that requires buffer mitigation?
    - Not Applicable (Question not presented)

- If yes, you must fill out this entire section - please contact DWR for more information.
  Identify the square feet of impact to each zone of the riparian buffer that requires mitigation. Calculate the amount of mitigation required in the table below.
    - Please see the JPA_DynamicTableReport.xlsx to review the provided data.

- How is buffer mitigation proposed to be met?
    - Not Applicable (Question not presented)

- If payment to mitigation bank or NCDMS, attach a valid statement of availability or DMS acceptance letter. OR Attach mitigation plan for review.
    - Not Applicable (Question not presented)

STORMWATER MANAGEMENT PLAN -

- Does this project disturb >1 acre of land?
    - No

- Is this an NCDOT project subject to compliance with NCDOT's Individual NPDES permit NCS000250?
    - Not Applicable (Question not presented)

- Is this project subject to review and approval under a state post-construction stormwater program (DEMLR) or state-approved local government stormwater program?
    - Not Applicable (Question not presented)

- What entity has reviewed/is reviewing the Stormwater Management Plan?
    - Not Applicable (Question not presented)

- What is the Stormwater Management Plan status?
    - Not Applicable (Question not presented)

- Does this project meet the requirements for low density projects as defined in 15A NCAC 02H.1003(2)? For details on how Low Density Projects are characterized, click the help icon.
    - Not Applicable (Question not presented)

- For low density projects, submit documentation including built-upon area (BUA) delineation, percent BUA calculations, stormwater drainage plan, and designs for vegetated conveyances.
    - Not Applicable (Question not presented)

- For all High Density projects submit a Stormwater Management Plan that includes stormwater control measures for water quality treatment.
    - Not Applicable (Question not presented)

STORMWATER MANAGEMENT IN BUFFERED BASINS - All stormwater generated from high ground within regulated buffer basins must be in compliance with the stormwater management requirements of the applicable buffer rules.

NOTE: Questions only appear in this section when 'Will project occur in an area subject to state riparian buffer regulations?' is answered Yes.

- Does the project comply with the stormwater management requirements of the applicable buffer rules?
    - Yes

- Please explain why the project does not comply.
    - Not Applicable (Question not presented)

ENVIRONMENTAL DOCUMENTATION -

- Is an environmental document required under NCEPA (01 NCAC 25 .0100)?
    - No

- Has the document review been finalized by the State Clearing House?
    - Not Applicable (Question not presented)

- Comments
    - Not Applicable (Question not presented)

- Attach a copy of the SEPA final approval document.
    - Not Applicable (Question not presented)

VIOLATIONS -

- Is the site in violation of DWR Water Quality Certification Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), or DWR Surface Water or Wetland Standards or Riparian Buffer Rules (15A NCAC 2B .0200)?

- No

- Please explain.
  - Not Applicable (Question not presented)

CUMULATIVE IMPACTS -

- Will this project (based on past and reasonably anticipated future impacts) result in additional development?
  - No

- Provide a qualitative or quantitative cumulative impact analysis in accordance with the most recent DWR policy. [Learn more about Cumulative Impact Policy](https://files.nc.gov/ncdeq/Water%20Quality/Surface%20Water%20Protection/401/Policies_Guides_Manuals/CumulativeImpactPolicy.pdf)
  - Not Applicable (Question not presented)

- If not, provide a short narrative description.
  - Not Applicable (Question not presented)

PLEASE NOTE: THE SYSTEM IS STILL UNDER DEVELOPMENT, AND DATA CURRENTLY DOES NOT TRANSMIT ELECTRONICALLY TO NCDEQ'S DIVISION OF WATER RESOURCES (DWR). UNTIL FURTHER NOTICE, APPLICANTS MUST SUBMIT COMPLETED RRS JPA DOCUMENTS THROUGH [NCDEQ'S "PROJECT SUBMITTAL INTERIM FORM" WEBSITE](https://edocs.deq.nc.gov/Forms/Supplemental-Information-Form).
[Additional Instructions](https://edocs.deq.nc.gov/WaterResources/Browse.aspx?dbid=0&startid=3890140)

Project Submittal Interim Form

Updated March 16, 2026

*Please note: fields marked with a red asterisk * below are required. You will not be able to submit the form until all mandatory questions are answered.*

Project Type: *

- ○ For the Record Only (Courtesy Copy)
- ○ Modification/New Project with Existing ID
- ○ Other Agency Comments
- ◉ Re-Issuance\Renewal Request
- ○ New Project
- ○ More Information Response
- ○ Pre-Application Submittal
- ○ Stream or Buffer Appeal

*** If this is a GP reissuance/renewal please reference the date of the plans and PCN that were originally verified.**

New Project - Please check the new project type if you are trying to submit a new project that needs an official approval decision.

Pre-Application Submittal – Please check the pre-application submittal if you just want feedback on your submittal and do not have the expectation that your submittal will be considered a complete application requiring a formal decision.

Modification/New Project With An Existing ID - Please check this box if you are submitting for a new phase of an existing project, a modification to an existing project or for any additional impacts to an existing project for an official approval decision.

More Information Response - Please check this type if you are responding to a request for information from staff and you have and ID# and version for this response.

Other Agency Comments - Please check this if you are submitting comments on an existing project.

Re-issuance\Renewal Request – Please check this if you are submitting for a re-issuance\renewal prior to expiration date for the corresponding 401/404. If submitting after the expiration date or if modification needed use Modification\New Project with Existing ID option.

Submittal Type: *

401 Application - Certificate of Coverage

Is buffer approval also required? *

○ Yes ◉ No

Project Contact Information

Name:

Michael Turchy

Who is submitting the information?

Email Address: *

maturchy@ncdot.gov

Project Information

Existing ID #: *

20241263

20170001 (no dashes)

Existing Version: *

1

1

Project Name: *

P-5709/ Franklin Blvd Grade Separation / Guilford / Div 7/ 46920.3.1

Is this a public transportation project? *

- (●) Yes
- ( ) No

Is this a DOT project? *

- (●) Yes
- ( ) No

TIP#:

P-5709

WBS#:

46920.3.1

(Applies to DOT projects only)

Project Status

If you selected "Re-Issuance/Renewal Request" or "Modification/New Project with Existing ID" for your project type at the top of this form, please enter the current status of your project.

- ( ) Pre-let
- (●) Under Construction
- ( ) Utility Relocation Underway
- ( ) In-Field Adjustment

Only choose "In-Field Adjustment" if directed to do so by 401 staff

Is this application for a project associated with emergency response/repairs from Hurricane Helene impacts to your project or property? *

- ( ) Yes
- (●) No

Is the project located within a NC DCM Area of Environmental Concern (AEC)? *

- ( ) Yes
- (●) No
- ( ) Unknown

Does this project involve maintenance dredging funded by the Shallow Draft Navigation Channel Dredging and Aquatic Weed Fund, electric generation projects located at an existing or former electric generating facility, or involve the distribution or transmission of energy or fuel, including natural gas, diesel, petroleum, or electricity? *

- ( ) Yes
- (●) No

Is this project connected with ARPA funding or S.L. 2023-134 (earmark)? *

- ( ) ARPA
- ( ) S.L. 2023-134 (earmark)
- (●) No

Is this application being filed jointly with another party involved with this project? *

- ( ) Yes
- (●) No

County (ies) *

Guilford

Please upload all files that need to be submited.

Click the upload button or drag and drop files here to attach document

P-5709 2024-10-21 401.pdf	4.66MB
P-5709 2024-10-23 NWP 14.pdf	146.35KB
P-5709 Permit Drawings.pdf	3.37MB
Generated_Turchy_56452_66533_0_Appx_B_Aquatic_Resources.pdf	51.06KB
Generated_Turchy_56452_66533_0_Appx_C_Impacts.pdf	69.49KB
Generated_Turchy_56452_66533_0_Appx_H_Supporting_Files.pdf	52.65KB
Generated_Turchy_56452_66533_0_ENG_6082_PCN.pdf	548.06KB
Generated_Turchy_56452_66533_0_NCDWR 401_JPA_Report.pdf	91.3KB
Generated_Turchy_56452_66533_0_Permit_Additional_Info.pdf	215.78KB
P-5709 CE.pdf	13.02MB

Only pdf or kmz files are accepted.

Describe the attachments or add comments:

This is a renewal/reverification request.

*

☑ By checking the box and signing box below, I certify that:

- I, the project proponent, hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief.
- I, the project proponent, hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.
- I agree that submission of this online form is a “transaction” subject to Chapter 66, Article 40 of the NC General Statutes (the “Uniform Electronic Transactions Act”);
- I agree to conduct this transaction by electronic means pursuant to Chapter 66, Article 40 of the NC General Statutes (the “Uniform Electronic Transactions Act”);
- I understand that an electronic signature has the same legal effect and can be enforced in the same way as a written signature; AND
- I intend to electronically sign and submit the online form.

Signature: *

Michael Turchy

Submittal Date:

Previous 404 Permit

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, WILMINGTON DISTRICT
RALEIGH FIELD OFFICE
3331 HERITAGE TRADE DRIVE SUITE 105
WAKE FOREST NC 27587

October 23, 2024

Regulatory Division
SAW-2017-01181

Sent Via email: alaad@ncdot.gov

Anamika Laad
NC Department of Transportation, Rail Division
1553 Mail Service Center
Raleigh, NC 27699

Dear Ms. Laad:

This letter is in response to the Pre-Construction Notification (PCN) you submitted to the Wilmington District, Raleigh Field Office, on September 19, 2024, for a Department of the Army Nationwide permit (NWP) verification. This project has been assigned the file number SAW-2017-01181 and is known as TIP P-5709; NCDOT Rail; Franklin Boulevard Grade Separation and O'Ferrell Street Crossing Closure. This file number should be referenced in all correspondence concerning this project.

A review of the information provided indicates that the proposed work would include replacement of the existing at-grade railroad crossing with a grade-separated crossing (TIP P-5709), impacting less than 0.01 acre of wetlands with permanent roadway fill, and 171 linear feet (lf, 0.03 acre) of tributaries (163 lf permanent roadway fill loss, and 8 lf bank stabilization). The project area for this determination on the enclosed site plans. The project/review area is located at the existing Franklin Blvd railroad crossing (722959A), south of Burlington Road, at Latitude 36.083720 and Longitude -79.740420; in Greensboro, Guilford County, North Carolina.

We have determined that the proposed work is authorized by Nationwide General Permit 14 pursuant to authorities under Section 404 of the Clean Water Act (33 U.S.C § 1344). The proposed work must be accomplished in strict accordance with the general permit conditions, any regional conditions, the special conditions listed in this letter, the application materials, and the enclosed plans. If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised PCN must be submitted to this office for written approval before work is initiated. Any violation of permit conditions or deviation from your submitted plans may subject the permittee to enforcement action.

This verification is valid until March 14, 2026, unless prior to this date the subject NWP(s) is suspended, revoked, or is modified such that the activity no longer complies with the terms and conditions of this NWP. If you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

Project Specific Special Conditions:

1. The Wilmington District, Federal Highway Administration, U.S. Fish and Wildlife Service (USFWS), and the North Carolina Department of Transportation (NCDOT) have conducted programmatic Section 7(a)(2) consultation for the Northern long-eared bat (NLEB) for NCDOT projects located in Divisions 1-8. The result of this programmatic consultation is a Programmatic Biological Opinion (PBO) issued by the USFWS titled, "Programmatic Biological Opinion – Revised, NCDOT Program Effects on the Northern Long-eared Bat in Divisions 1-8", dated December 15, 2022. This PBO contains agreed upon conservation measures which would minimize take of NLEB. As noted in the PBO, applicability of these conservation measures varies depending on the location of the project. The USFWS has documented that no reasonable and prudent measures, nor terms and conditions, are necessary or appropriate to minimize the amount or extent of incidental take of NLEB caused by the Action; therefore, the incidental take statement does not provide reasonable and prudent measures for this species. Department of the Army (DA) authorization under general permit or standard permit (Individual Permit) is conditional upon the permittee's compliance with applicable, agreed upon conservations measures of the PBO, which is incorporated by reference in this verification letter. Failure to comply with the applicable conservation measures, where a take of the NLEB occurs, would constitute an unauthorized take by the permittee, and would also constitute permittee non-compliance with this verification letter. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its PBO and the ESA. All PBOs can be found on our website at: https://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordination/ESA/.

This NWP verification does not preclude the necessity to obtain any other Federal, State, or local permits, licenses, and/or certifications, which may be required.

If you have any questions related to this verification or have issues accessing documents referenced in this letter, please contact Eric Alsmeyer, Regulatory Project Manager, of the Raleigh Field Office at 919.817.1570, by mail at the above address, or by email at eric.c.alsmeyer@usace.army.mil. Please take a moment to complete our customer satisfaction survey located at https://regulatory.ops.usace.army.mil/customer-service-survey/.

Sincerely,

JONES.MICHAEL.SCOTT.1258314073
2024.10.23 13:49:22 -04'00'

M. Scott Jones, PWS
WRDA / Transportation Branch Chief
USACE Wilmington District

Enclosures

Cc (w/enclosures)
Christa Greene, NCDOT, Rail, (via ext-cagreene1@ncdot.gov)
Sara Easterly, HDR (via sara.easterly@hdrinc.com)

Compliance Certification Form

File Number: SAW-2017-01181 **County: Guilford**

Permittee: NC Department of Transportation, Rail Division, Anamika Laad

Project Name: Franklin Boulevard Grade Separation and O'Ferrell Street Crossing Closure

Date Verification Issued: 10/23/2024

Project Manager: Eric Alsmeyer

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

US ARMY CORPS OF ENGINEERS
Wilmington District
Attn: Eric Alsmeyer
Raleigh Field Office
3331 Heritage Trade Drive Suite 105
Wake Forest, NC 27587
or
eric.c.alsmeyer@usace.army.mil

Please note that your permitted activity is subject to a compliance inspection by a U. S. Army Corps of Engineers representative. Failure to comply with any terms or conditions of this authorization may result in the Corps suspending, modifying or revoking the authorization and/or issuing a Class I administrative penalty, or initiating other appropriate legal action.

I hereby certify that the work, and mitigation (if applicable), authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit including any general or specific conditions.

Date Authorized Work Started: _____ **Completed: _____**

Describe any deviations from permit (attach drawing(s) depicting the deviations):

_____

_____

***Note: The description of any deviations on this form does not constitute approval by the Corps.**

_____ _____

Signature of Permittee **Date**

Previous 401 Certification

Docusign Envelope ID: 61B06DF9-97B2-477F-A69C-158FA9B78C29

ROY COOPER
Governor
MARY PENNY KELLEY
Secretary
RICHARD E. ROGERS, JR.
Director

NORTH CAROLINA
Environmental Quality

October 21, 2024

Ms. Anamika Laad
NCDOT
1 South Wilmington Street
Raleigh, NC 27601
alaad@ncdot.gov

Subject: 401 Water Quality Certification Pursuant to Section 401 of the Federal Clean Water Act with ADDITIONAL CONDITIONS for the proposed grade separation of the Franklin Boulevard crossing (722959A) of the Norfolk Southern H-line and to close the O'Ferrell Street rail crossing (722961B), in Greensboro, Guilford County. NCDWR Project No. 20241263, TIP P-5709

Dear Ms. Laad,

Attached hereto is a copy of Certification No. 007200 issued to the NCDOT dated October 21, 2024.
If we can be of further assistance, do not hesitate to contact us.

Sincerely,

Signed by:
Susan Locklear
04351F033762414...

Richard E. Rogers, Jr. Director
Division of Water Resources

Electronic copy only distribution:

Eric Alsmeyer, US Army Corps of Engineers, Raleigh Field Office
Erin Cheely, NCDOT Western Team Lead
Christa Greene, NCDOT

Docusign Envelope ID: 61B06DF9-97B2-477F-A69C-158FA9B78C29

401 Water Quality Certification Pursuant to Section 401 of the Federal Clean Water Act with ADDITIONAL CONDITIONS.

THIS CERTIFICATION is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Resources (NCDWR) Regulations in 15 NCAC 2H .0500. This certification authorizes the NCDOT to impact 171 linear feet of jurisdictional streams and to impact 0.004 acres of wetlands in Guilford County. The project shall be constructed pursuant to the application dated received September 19, 2024. The authorized impacts are as described below:

Stream Impacts in the Cape Fear River Basin

Site	Perm. Fill in Stream (linear ft)	Temp. Fill in Stream (linear ft)	Total Stream Impact (linear ft)
S1- 42" RCP-IV and Roadway Fill	125		125
S2- Pipe Outlet Channel Stabilization	38		38
S3- Pipe Outlet Channel Stabilization		8	8
Totals	**163**	**8**	**171**

Total Stream Impacts: 171 linear feet.

Wetland Impacts in the Cape Fear River Basin

Site	Perm. Fill in Wetlands (acres)	Temp. Fill in Wetlands (acres)	Total Wetland Impact (acres)
1- 42" RCP-IV and Roadway Fill	0.004		0.004
Totals	**0.004**		**0.004**

Total Wetland Impacts: 0.004 acres.

The application provides adequate assurance that the discharge of fill material into the waters of the Cape Fear River Basin in conjunction with the proposed development will not result in a violation of applicable Water Quality Standards and discharge guidelines. Therefore, the State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of PL 92-500 and PL 95-217 if conducted in accordance with the application and conditions hereinafter set forth.

This approval is only valid for the purpose and design that you submitted in your application dated received September 19, 2024. Should your project change, you are required to notify the NCDWR and submit a new application. If the property is sold, the new owner must be given a copy of this Certification and approval letter, and is thereby responsible for complying with all the conditions. If any additional wetland impacts, or stream impacts, for this project (now or in the future) exceed one acre or 150 linear feet, respectively, additional compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7).

For this approval to remain valid, you are required to comply with all the conditions listed below. In addition, you should obtain all other federal, state or local permits before proceeding with your project including (but not limited to) Sediment and Erosion control, Coastal Stormwater, Non-discharge and Water Supply watershed regulations. This Certification shall expire on the same day as the expiration date of the corresponding Corps of Engineers Permit.

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This Water Quality Certification neither grants nor affirms any property right, license, or privilege in any lands or waters, or any right of use in any waters. This Water Quality Certification does not authorize any person to interfere with the riparian rights, littoral rights, or water use rights of any other person and does not create any prescriptive right or any right of priority regarding any usage of water. This Water Quality Certification shall not be interposed as a defense in any action respecting the determination of riparian or littoral rights or other rights to water use. No consumptive user is deemed by virtue of this Water Quality Certification to possess any prescriptive or other right of priority with respect to any other consumptive user regardless of the quantity of the withdrawal or the date on which the withdrawal was initiated or expanded. Upon the presentation of proper credentials, the Division may inspect the property.

Condition(s) of Certification:

Project Specific Conditions

1. Unless otherwise approved in this certification, placement of culverts and other structures in open waters and streams, shall be placed below the elevation of the streambed by one foot for all culverts with a diameter greater than 48 inches, and 20 percent of the culvert diameter for culverts having a diameter less than 48 inches, to allow low flow passage of water and aquatic life. Design and placement of culverts and other structures including temporary erosion control measures shall not be conducted in a manner that may result in dis-equilibrium of wetlands or streambeds or banks, adjacent to or upstream and down stream of the above structures. The applicant is required to provide evidence that the equilibrium is being maintained if requested in writing by the NCDWR. If this condition is unable to be met due to bedrock or other limiting features encountered during construction, please contact the NCDWR for guidance on how to proceed and to determine whether or not a permit modification will be required. [15A NCAC 02H.0506(b)(2)].

2. If multiple pipes or barrels are required, they shall be designed to mimic natural stream cross section as closely as possible including pipes or barrels at flood plain elevation and/or sills where appropriate. Widening the stream channel should be avoided. Stream channel widening at the inlet or outlet end of structures typically decreases water velocity causing sediment deposition that requires increased maintenance and disrupts aquatic life passage. [15A NCAC 02H.0506(b)(2)]

3. Riprap shall not be placed in the active thalweg channel or placed in the streambed in a manner that precludes aquatic life passage. Bioengineering boulders or structures should be properly designed, sized and installed. [15A NCAC 02H.0506(b)(2)]

4. The stream channel shall be excavated no deeper than the natural bed material of the stream, to the maximum extent practicable. Efforts must be made to minimize impacts to the stream banks, as well as to vegetation responsible for maintaining the stream bank stability. Any applicable riparian buffer impact for access to stream channel shall be temporary and be revegetated with native riparian species. [15A NCAC 02H.0506(b)(2)].

5. No drill slurry or water that has been in contact with uncured concrete shall be allowed to enter surface waters. This water shall be captured, treated, and disposed of properly. [15A NCAC 02H .0506(b)(3)

General Conditions

1. If concrete is used during construction, a dry work area shall be maintained to prevent direct contact between curing concrete and stream water. Water that inadvertently contacts uncured concrete shall not be discharged to surface waters due to the potential for elevated pH and possible aquatic life and fish kills. [15A NCAC 02B.0200]

2. During the construction of the project, no staging of equipment of any kind is permitted in waters of the U.S., or protected riparian buffers. [15A NCAC 02H.0506(b)(2)]

3. The dimension, pattern and profile of the stream above and below the crossing shall not be modified. Disturbed floodplains and streams shall be restored to natural geomorphic conditions. [15A NCAC 02H.0506(b)(2)]

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4. The use of rip-rap above the Normal High Water Mark shall be minimized. Any rip-rap placed for stream stabilization shall be placed in stream channels in such a manner that it does not impede aquatic life passage. [15A NCAC 02H.0506(b)(2)]

5. The Permittee shall ensure that the final design drawings adhere to the permit and to the permit drawings submitted for approval. [15A NCAC 02H .0507(c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)]

6. All work in or adjacent to stream waters shall be conducted in a dry work area. Approved BMP measures from the most current version of NCDOT Construction and Maintenance Activities manual such as sandbags, rock berms, cofferdams and other diversion structures shall be used to prevent excavation in flowing water. [15A NCAC 02H.0506(b)(3) and (c)(3)]

7. Heavy equipment shall be operated from the banks rather than in the stream channel in order to minimize sedimentation and reduce the introduction of other pollutants into the stream. [15A NCAC 02H.0506(b)(3)]

8. All mechanized equipment operated near surface waters must be regularly inspected and maintained to prevent contamination of stream waters from fuels, lubricants, hydraulic fluids, or other toxic materials. [15A NCAC 02H.0506(b)(3)]

9. No rock, sand or other materials shall be dredged from the stream channel except where authorized by this certification. [15A NCAC 02H.0506(b)(3)]

10. Discharging hydroseed mixtures and washing out hydro seeders and other equipment in or adjacent to surface waters is prohibited. [15A NCAC 02H.0506(b)(3)]

11. The permittee and its authorized agents shall conduct its activities in a manner consistent with State water quality standards (including any requirements resulting from compliance with §303(d) of the Clean Water Act) and any other appropriate requirements of State and Federal law. If the NCDWR determines that such standards or laws are not being met (including the failure to sustain a designated or achieved use) or that State or federal law is being violated, or that further conditions are necessary to assure compliance, the NCDWR may reevaluate and modify this certification. [15A NCAC 02B.0200]

12. All fill slopes located in jurisdictional wetlands shall be placed at slopes no flatter than 3:1, unless otherwise authorized by this certification. [15A NCAC 02H.0506(b)(2)]

13. A copy of this Water Quality Certification shall be maintained on the construction site at all times. In addition, the Water Quality Certification and all subsequent modifications, if any, shall be maintained with the Division Engineer and the on-site project manager. [15A NCAC 02H .0507(c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)]

14. The outside buffer, wetland or water boundary located within the construction corridor approved by this authorization shall be clearly marked by highly visible fencing prior to any land disturbing activities. Impacts to areas within the fencing are prohibited unless otherwise authorized by this certification. [15A NCAC 02H.0501 and .0502]

15. The issuance of this certification does not exempt the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by other government agencies (i.e. local, state, and federal) having jurisdiction, including but not limited to applicable buffer rules, stormwater management rules, soil erosion and sedimentation control requirements, etc.

16. The Permittee shall report any violations of this certification to the Division of Water Resources within 24 hours of discovery. [15A NCAC 02B.0506(b)(2)]

17. Upon completion of the project (including any impacts at associated borrow or waste sites), NCDOT project engineer (or appointee) shall complete and return the enclosed "Certification of Completion Form" to notify the NCDWR when all work included in the 401 Certification has been completed. [15A NCAC 02H.0502(f)]

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18. There shall be no excavation from, or waste disposal into, jurisdictional wetlands or waters associated with this permit without appropriate modification. Should waste or borrow sites, or access roads to waste or borrow sites, be located in wetlands or streams, compensatory mitigation will be required since that is a direct impact from road construction activities. [15A NCAC 02H.0506(b)(3) and (c)(3)]

19. Erosion and sediment control practices must be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices in order to protect surface waters standards [15A NCAC 02H.0506(b)(3) and (c)(3]):

    a. The erosion and sediment control measures for the project must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Sediment and Erosion Control Planning and Design Manual*.
    b. The design, installation, operation, and maintenance of the sediment and erosion control measures must be such that they equal, or exceed, the requirements specified in the most recent version of the *North Carolina Sediment and Erosion Control Manual*. The devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) projects, including contractor-owned or leased borrow pits associated with the project.
    c. For borrow pit sites, the erosion and sediment control measures must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Surface Mining Manual*.
    d. The reclamation measures and implementation must comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act.

20. Sediment and erosion control measures shall not be placed in wetlands or waters unless otherwise approved by this Certification. [15A NCAC 02H.0506(b)(3) and (c)(3)]

21. When applicable, all construction activities shall be performed and maintained in full compliance with G.S. Chapter 113A Article 4 (Sediment and Pollution Control Act of 1973). Regardless of applicability of the Sediment and Pollution Control Act, all projects shall incorporate appropriate Best Management Practices for the control of sediment and erosion so that no violations of state water quality standards, statutes, or rules occur. [15A NCAC 02H .0506{b)(3) and (c)(3) and 15A NCAC 02B .0200]

22. Design, installation, operation, and maintenance of all sediment and erosion control measures shall be equal to or exceed the requirements specified in the most recent version of the *North Carolina Sediment and Erosion Control Manual,* or for linear transportation projects, the *NCDOT Sediment and Erosion Control Manual.* All devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) sites, including contractor-owned or leased borrow pits associated with the project. Sufficient materials required for stabilization and/or repair of erosion control measures and stormwater routing and treatment shall be on site at all times.

23. For borrow pit sites, the erosion and sediment control measures shall be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Surface Mining Manual.* Reclamation measures and implementation shall comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act and the Mining Act of 1971.

This Certification shall become null and void unless the above conditions are made conditions of the Federal 404 and/or Coastal Area Management Act Permit. This Certification shall expire upon the expiration of the 404 or CAMA permit. Please be aware that impacting waters without first applying for and securing the issuance of a 401 Water Quality Certification violates Title 15A of the North Carolina Administrative Code (NCAC) 2H .0500. Title 15A NCAC 2H .0500 requires certifications pursuant to Section 401 of the Clean Water Act whenever construction or operation of facilities will result in a discharge into navigable waters, including wetlands, as described in 33 Code of Federal Regulations (CFR) Part 323. It also states any person desiring issuance of the State certification or coverage under a general certification required by Section 401 of the Federal Water Pollution Control Act shall file with the Director of the North Carolina Division of Water Quality. Violations of any condition herein set forth may result in revocation of this Certification and may result in criminal and/or civil penalties. Pursuant to G.S. 143-215.6A, these violations and any future violations are subject to a civil penalty assessment of up to a maximum of $25,000.00 per day for each violation.

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This approval and its conditions are final and binding unless contested [G.S. 143-215.5]. Please be aware that impacting waters without first applying for and securing the issuance of a 401 Water Quality Certification violates Title 15A of the North Carolina Administrative Code (NCAC) 2H .0500. Title 15A NCAC 2H .0500 requires certifications pursuant to Section 401 of the Clean Water Act whenever construction or operation of facilities will result in a discharge into navigable waters, including wetlands, as described in 33 Code of Federal Regulations (CFR) Part 323. It also states any person desiring issuance of the State certification or coverage under a general certification required by Section 401 of the Federal Water Pollution Control Act shall file with the Director of the North Carolina Division of Water Quality. Pursuant to G.S. 143-215.6A, these violations and any future violations are subject to a civil penalty assessment of up to a maximum of $25,000.00 per day for each violation.

This Certification can be contested as provided in Chapter 150B of the North Carolina General Statutes by filing a Petition for a Contested Case Hearing (Petition) with the North Carolina Office of Administrative Hearings (OAH) within sixty (60) calendar days. Requirements for filing a Petition are set forth in Chapter 150B of the North Carolina General Statutes and Title 26 of the North Carolina Administrative Code. Additional information regarding requirements for filing a Petition and Petition forms may be accessed at http://www.ncoah.com/ or by calling the OAH Clerk's Office at (919) 431-3000.

A party filing a Petition must serve a copy of the Petition on:

William F. Lane, General Counsel
Department of Environmental Quality
1601 Mail Service Center
Raleigh, NC 27699-1601

If the party filing the Petition is not the permittee, then the party must also serve the recipient of the Certification in accordance with N.C.G.S 150B-23(a).

This the 21st day of October, 2024

DIVISION OF WATER RESOURCES

Signed by:
Susan Locklear
04351F033762414...

Richard E. Rogers, Jr., Director

WQC No. 007200

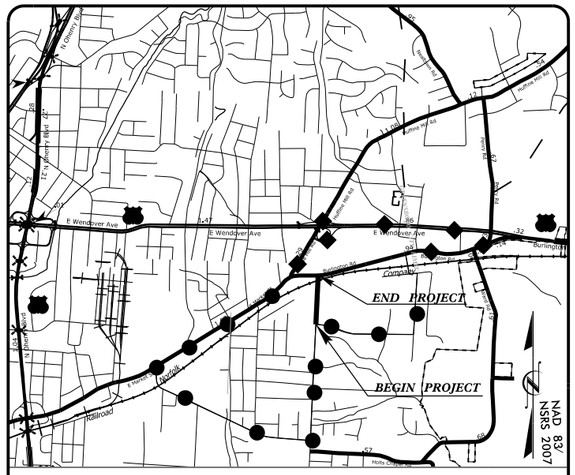
Permit Drawings

09/08/99

TIP PROJECT: P-5709

CONTRACT:

See Sheet 1B For Conventional Symbols



VICINITY MAP

FRANKLIN BLVD OFFSITE DETOUR

BURLINGTON RD OFFSITE DETOUR

STATE OF NORTH CAROLINA
RAIL DIVISION

GUILFORD COUNTY

LOCATION: *GRADE SEPARATION AT FRANKLIN BOULEVARD CROSSING (722959A) IN GREENSBORO, AND CLOSE O'FERRELL STREET CROSSING (MP 003.49–NC) (722961B) AT NCRR/NSR*

TYPE OF WORK: *GRADING, DRAINAGE, PAVING, STRUCTURE, SIGNALS, RETAINING WALL, TRACKBED AND CROSSING CLOSURE*

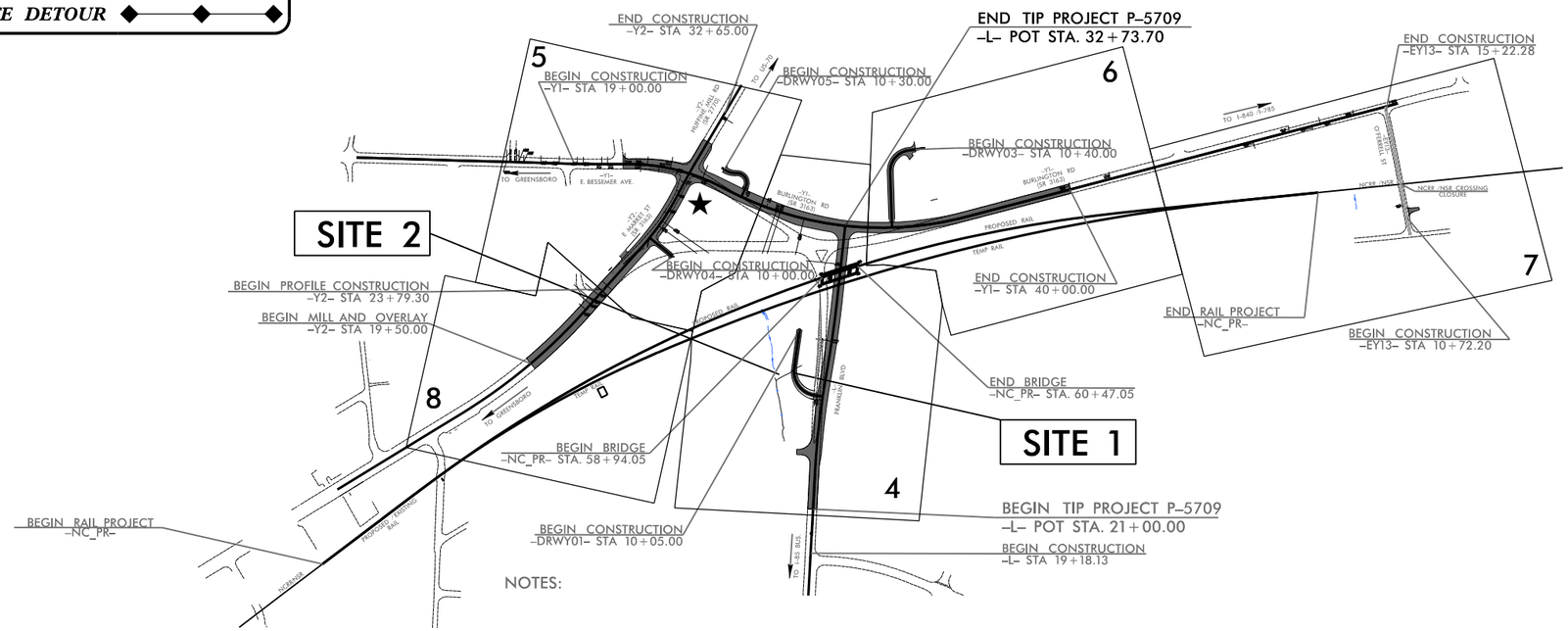
NAD 83/
NSRS 2007

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	P–5709	1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
46920.1.1		PE
46920.2.1		R/W
46920.2.2		UTIL.

PERMIT DRAWING
SHEET 1 OF 7

WETLAND AND SURFACE WATER IMPACTS PERMIT



1. CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.
2. THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE CITY OF GREENSBORO.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES

PLANS: 50 25 0 50 100

PROFILE (HORIZONTAL): 50 25 0 50 100

PROFILE (VERTICAL): 10 5 0 10 20

DESIGN DATA

ADT 2024 = 10,237
ADT 2044 = 11,568
V = 40 MPH

NOTE: NO TRAFFIC FORECAST WILL BE PERFORMED

FUNC CLASS = URBAN MAJOR COLLECTOR REGIONAL TIER

PROJECT LENGTH

LENGTH OF ROADWAY T.I.P. PROJECT P–5709 = 0.222 MILES
LENGTH OF RAIL T.I.P. PROJECT P–5709 = 0.840 MILES
LENGTH OF STRUCTURES T.I.P. PROJECT P–5709 = 0.029 MILES

TOTAL LENGTH OF T.I.P. PROJECT P–5709 = 1.091 MILES

Prepared In the Office of:
HNTB
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: JUNE 10, 2022

LETTING DATE: APRIL 16, 2024

DOUGLAS M. WHEATLEY, PE
PROJECT ENGINEER

THORNE KING, EI
PROJECT DESIGN ENGINEER

BRAD SMYTHE, PE
NCDOT CONTACT

HYDRAULICS ENGINEER

PAUL CAMERON *P.E.*
SIGNATURE:

ROADWAY DESIGN ENGINEER

DOUGLAS M. WHEATLEY *P.E.*
SIGNATURE:

NC DEPARTMENT OF TRANSPORTATION
RAIL DIVISION
DESIGN AND CONSTRUCTION

7/26/2023
P-5709 Franklin Blvd GS_PRM_TSH.dgn
HNTB

HNTB
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
P-5709	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PROPOSED TRAFFIC SIGNAL
PROPOSED SIDEWALK
PROPOSED PAVEMENT REMOVAL

NAD 83/NSRS2007

PERMIT DRAWING SHEET 2 OF 7

SEE PERMIT DRAWING SHEET 4 OF 6 FOR ENLARGEMENT

MATCHLINE –L– STA. 20+50.00 SEE INSET A

MATCHLINE –Y1– STA. 27+00.00 SEE SHEET 5

MATCHLINE –Y1– STA. 31+50.00 SEE SHEET 6

MATCHLINE –L– STA. 20+50.00 SEE SHEET 4

INSET A

SITE 2
SB

SITE 1
SA | WA

STATE OF NORTH CAROLINA

CITY OF GREENSBORO

GUILFORD COUNTY

GUILFORD COUNTY BOARD OF EDUCATION

NORTH CAROLINA RAILROAD CO OPERATED BY THE NORFOLK-SOUTHERN RAILWAY

DUKE POWER COMPANY SUBSTATION

FRANKLIN BLVD

BURLINGTON RD

BEGIN TIP PROJECT P-5709 –L– POT STA.21+00.00

END TIP PROJECT P-5709 –L– POT STA.32+41.20

BEGIN CONSTRUCTION –DRWY01– POT STA.10+05.00

BEGIN BRIDGE –NC_PR– STA.58+94.05
–L– POT Sta.30+83.63 =
–NC_PR– POC Sta.59+71.81
SKEW 66°11'12.7904"

END BRIDGE –NC_PR– STA.60+47.05

DETAIL TP1
TOE PROTECTION
(Not to Scale)

DETAIL SB1
STANDARD BASE DITCH
(Not to Scale)
Min. D= 1.0 Ft.
B= 5.0 Ft.
FROM –NC_PR– STA. 55+09 (109' LT)
TO –NC_PR– STA. 56+00 (30' LT)

DETAIL SB2
STANDARD BASE DITCH
(Not to Scale)
*When B is < 6.0'
Min. D= 3.0 Ft.
Max. d= 3.0 Ft.
B= 3.0 Ft.
Type of Liner= Class I Rip-Rap
FROM –L– STA. 26+83 (90' LT)
TO –L– STA. 26+96 (50' LT)

DETAIL PO1
PIPE OUTLET CHANNEL
(Not to Scale)
Length= 35 Ft.
d= 4 Ft.
Est.= 59 Tons of Class I Rip-Rap
Est.= 83 SY of Geotextile
–DRWY01– STA. 12+25 RT

DETAIL SLB1
SPECIAL LATERAL BASE DITCH
(Not to Scale)
Min. D= 1 Ft.
Max. d= 1 Ft.
B= 5 Ft.
Type of Liner= Class 'B' Rip-Rap
FROM –L– STA. 27+50 TO STA. 28+50 RT

DETAIL SCB1
SPECIAL CUT BASE DITCH
(Not to Scale)
Min. D= 1.0 Ft.
B= 5.0 Ft.
FROM –NC_TMP– STA. 60+42 TO STA. 62+50 RT

DETAIL SLB2
SPECIAL LATERAL BASE DITCH
(Not to Scale)
Min. D= 1.0 Ft.
B= VAR.
FROM –NC_PR– STA. 54+50 TO STA. 58+75 LT

LEGEND
F F DENOTES FILL IN WETLAND
S S DENOTES IMPACTS IN SURFACE WATER
TS TS DENOTES TEMPORARY IMPACTS IN SURFACE WATER

50' 0' 50' 100' 150'
GRAPHIC SCALE

FOR –L– PROFILE, SEE SHEET 8
FOR –Y1– PROFILE, SEE SHEET 8 & 9
FOR –DRWY01– PROFILE, SEE SHEET 10
FOR INTERSECTION DETAIL, SEE SHEET 2B-1

NOTE:
1. ALL OUTSIDE CURB & GUTTER ARE 2'-6" UNLESS OTHERWISE NOTED.

8/17/2023
8/30/2023
P-5709 Franklin Blvd GS_PRM_PSH4.dgn
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Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
P-5709	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PROPOSED TRAFFIC SIGNAL
PROPOSED SIDEWALK
PROPOSED PAVEMENT REMOVAL

NAD 83/NSRS2007

PERMIT DRAWING SHEET 3 OF 7

SEE PERMIT DRAWING SHEET 5 OF 6 FOR ENLARGEMENT

MATCHLINE –L– STA. 20+50.00 SEE INSET A

MATCHLINE –Y1– STA. 27+00.00 SEE SHEET 5

MATCHLINE –Y1– STA. 31+50.00 SEE SHEET 6

INSET A

MATCHLINE –L– STA. 20+50.00 SEE SHEET 4

BEGIN TIP PROJECT P-5709 –L– POT STA.21+00.00

BEGIN CONSTRUCTION –DRWY01– POT STA.10+05.00

END TIP PROJECT P-5709 –L– POT STA.32+41.20

BEGIN BRIDGE –NC_PR– STA.58+94.05
–L– POT Sta.30+83.63 =
–NC_PR– POC Sta.59+71.81
SKEW 66°11'12.7904"

END BRIDGE –NC_PR– STA.60+47.05

SITE 1
SA | WA

SITE 2
SB

IMPACTS IN SURFACE WATER (SB)
IMPACTS IN SURFACE WATER (SA)
TEMPORARY IMPACTS IN SURFACE WATER (SB)
FILL IN WETLAND (WA)
FILL IN EXISTING JS EST. 146 CY
PIPE OUTLET CHANNEL BANK STABILIZATION SEE DETAIL PO1

DETAIL TP1
TOE PROTECTION
(Not to Scale)
Natural Ground
2:1 or Flatter Fill Slope
b
d
d= 1 Ft.
b= 1 Ft.
Geotextile
Type of Liner= Class B Rip-Rap
FROM –NC_TMP– STA. 55+09 (109' LT)
TO –NC_PR– STA. 56+00 (80' RT)

SPECIAL LATERAL 5' BASE DITCH SEE DETAIL SLB2
CLASS 'I' RIP-RAP EST. 20 TONS EST. 39 SYGF
TRENCHLESS INSTALLATION 42" WELDED STEEL
FILL W/ FLOWABLE FILL
CLASS 'B' RIP-RAP EST. 2 TONS EST. 7 SYGF
REMOVE JB
STANDARD 5' BASE DITCH SLOPE = 4.02% SEE DETAIL SB1
CONVERT CB TO DI
SPECIAL LATERAL 5' BASE DITCH SEE DETAIL SLB2
TOE PROTECTION SEE DETAIL TP1 EST. 13 TONS EST. 18 SYGF
TEMP 18" WSP
CLASS 'B' RIP-RAP EST. 3 TONS EST. 10 SYGF
STANDARD 3' BASE DITCH w/CLASS I RIP RAP SLOPE = 3.64% SEE DETAIL SB2
42" RCP-IV (BURIED 0.7')
36" RCP-IV
24" RCP-IV
30" RCP-IV
18" RCP-IV
15" RCP-IV
36" WELDED STEEL
REMOVE FES REMOVE 17' OF 24" RCP SPECIAL LATERAL 5' BASE DITCH W/CLASS 'B' RIP-RAP SEE DETAIL SLB1
5' BERM DITCH W/CLASS 'B' RIP-RAP SEE NCDOT RDWY STD. 240.01 –L– STA. 28+50 TO 30+00 RT
CLASS 'B' RIP-RAP EST. 3 TONS EST. 10 SYGF
SPECIAL CUT 5' BASE DITCH SEE DETAIL SCB1
DO NOT DISTURB FENCE LINE
RETAIN
REMOVE
ADJUST DI
CB-E
CB-F
CB-G
JB W/MH
FRANKLIN BLVD
BURLINGTON RD
CITY OF GREENSBORO
GUILFORD COUNTY
GUILFORD COUNTY BOARD OF EDUCATION
NORTH CAROLINA RAILROAD CO OPERATED BY THE NORFOLK SOUTHERN RAILWAY
DUKE POWER COMPANY SUBSTATION
STATE OF NORTH CAROLINA
MTL POSTS AROUND OLD WATER HYDRANT
CHORD
GRAPHIC SCALE 50' 0' 50' 100' 150'

DETAIL SB1
STANDARD BASE DITCH
(Not to Scale)
Natural Ground, 2:1, D, B, 2:1, Natural Ground
Min. D= 1.0 Ft.
B= 5.0 Ft.
FROM –NC_PR– STA. 55+09 (109' LT)
TO –NC_PR– STA. 56+00 (30' LT)

DETAIL SB2
STANDARD BASE DITCH
(Not to Scale)
Natural Ground, 2:1, d, D, 2:1, Natural Ground, Geotextile, B
Min. D= 3.0 Ft.
Max. d= 3.0 Ft.
B= 3.0 Ft.
*When B is < 6.0'
Type of Liner= Class I Rip-Rap
FROM –L– STA. 26+83 (90' LT)
TO –L– STA. 26+96 (50' LT)

DETAIL PO1
PIPE OUTLET CHANNEL
(Not to Scale)
Natural Ground, min 3 to 5% Finished Slope, min 1 to 1% Finished Slope, d, CHANNEL BED (Variable), Natural Ground
Length= 35 Ft.
d= 4 Ft.
Est.= 59 Tons of Class I Rip-Rap
Est.= 83 SY of Geotextile
–DRWY01– STA. 12+25 RT

DETAIL SLB1
SPECIAL LATERAL BASE DITCH
(Not to Scale)
Natural Ground, 2:1, d, D, 2:1 or Flatter, Fill Slope, Geotextile, B
Min. D= 1 Ft.
Max. d= 1 Ft.
B= 5 Ft.
Type of Liner= Class 'B' Rip-Rap
FROM –L– STA. 27+50 TO STA. 28+50 RT

DETAIL SCB1
SPECIAL CUT BASE DITCH
(Not to Scale)
Natural Ground, 2:1, D, 2:1 or Flatter, Front Ditch Slope, B
Min. D= 1.0 Ft.
B= 5.0 Ft.
FROM –NC_TMP– STA. 60+42 TO STA. 62+50 RT

DETAIL SLB2
SPECIAL LATERAL BASE DITCH
(Not to Scale)
Natural Ground, 2:1, D, 2:1 or Flatter, Front Ditch Slope, B
Min. D= 1.0 Ft.
B= VAR.
FROM –NC_PR– STA. 54+50 TO STA. 58+75 LT

LEGEND
F F — DENOTES FILL IN WETLAND
S S — DENOTES IMPACTS IN SURFACE WATER
TS TS — DENOTES TEMPORARY IMPACTS IN SURFACE WATER

FOR –L– PROFILE, SEE SHEET 8
FOR –Y1– PROFILE, SEE SHEET 8 & 9
FOR –DRWY01– PROFILE, SEE SHEET 10
FOR INTERSECTION DETAIL, SEE SHEET 2B-1

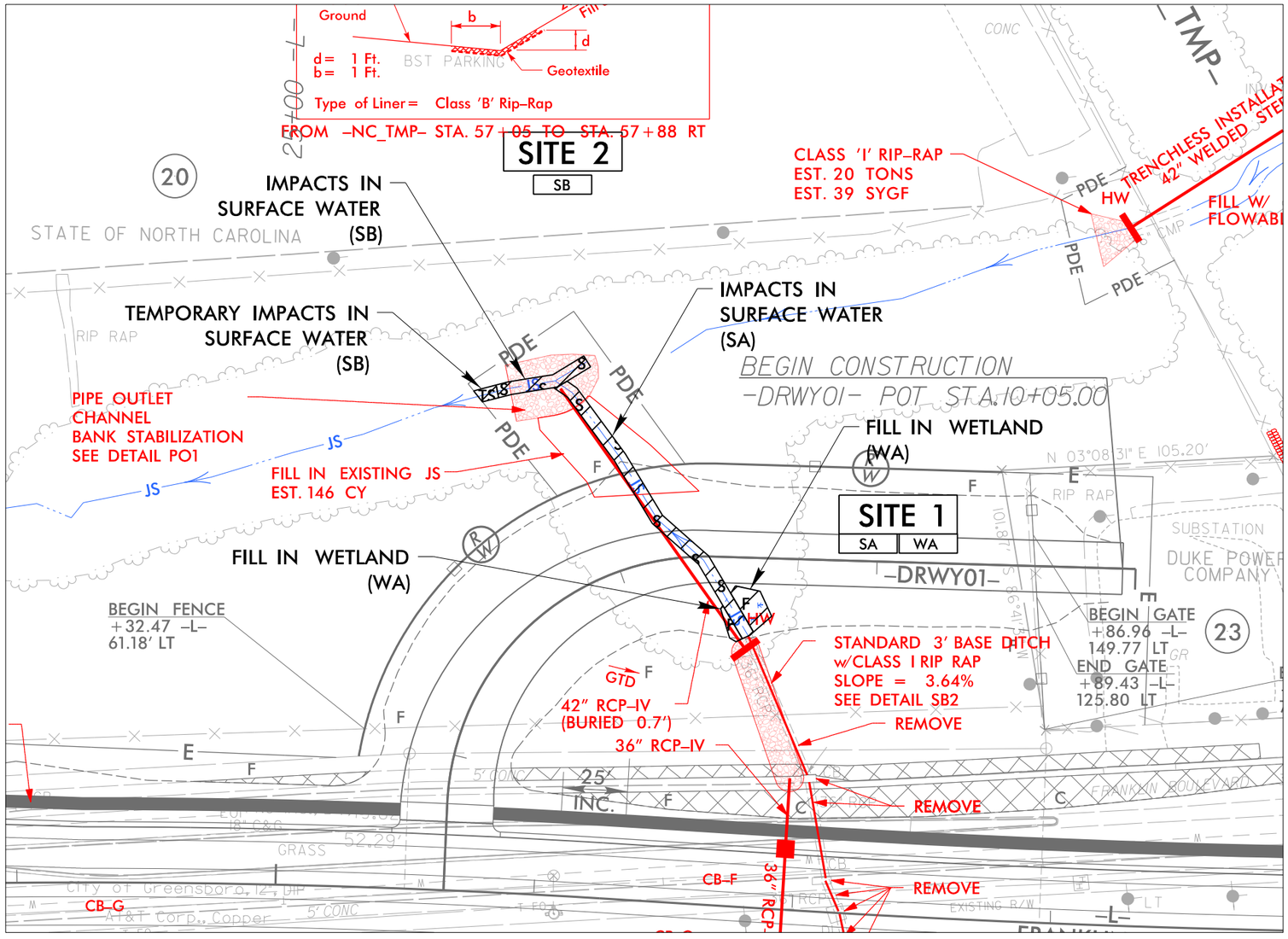
NOTE:
1. ALL OUTSIDE CURB & GUTTER ARE 2'-6" UNLESS OTHERWISE NOTED.

8/17/23
8/30/2023
P-5709 Franklin Blvd GS_PRM_PSH4.dgn
ENTER

HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
P–5709	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PERMIT DRAWING SHEET 4 OF 7



NAD 83/NSRS2007

50′ 0′ 50′ 100′ 150′
GRAPHIC SCALE

LEGEND

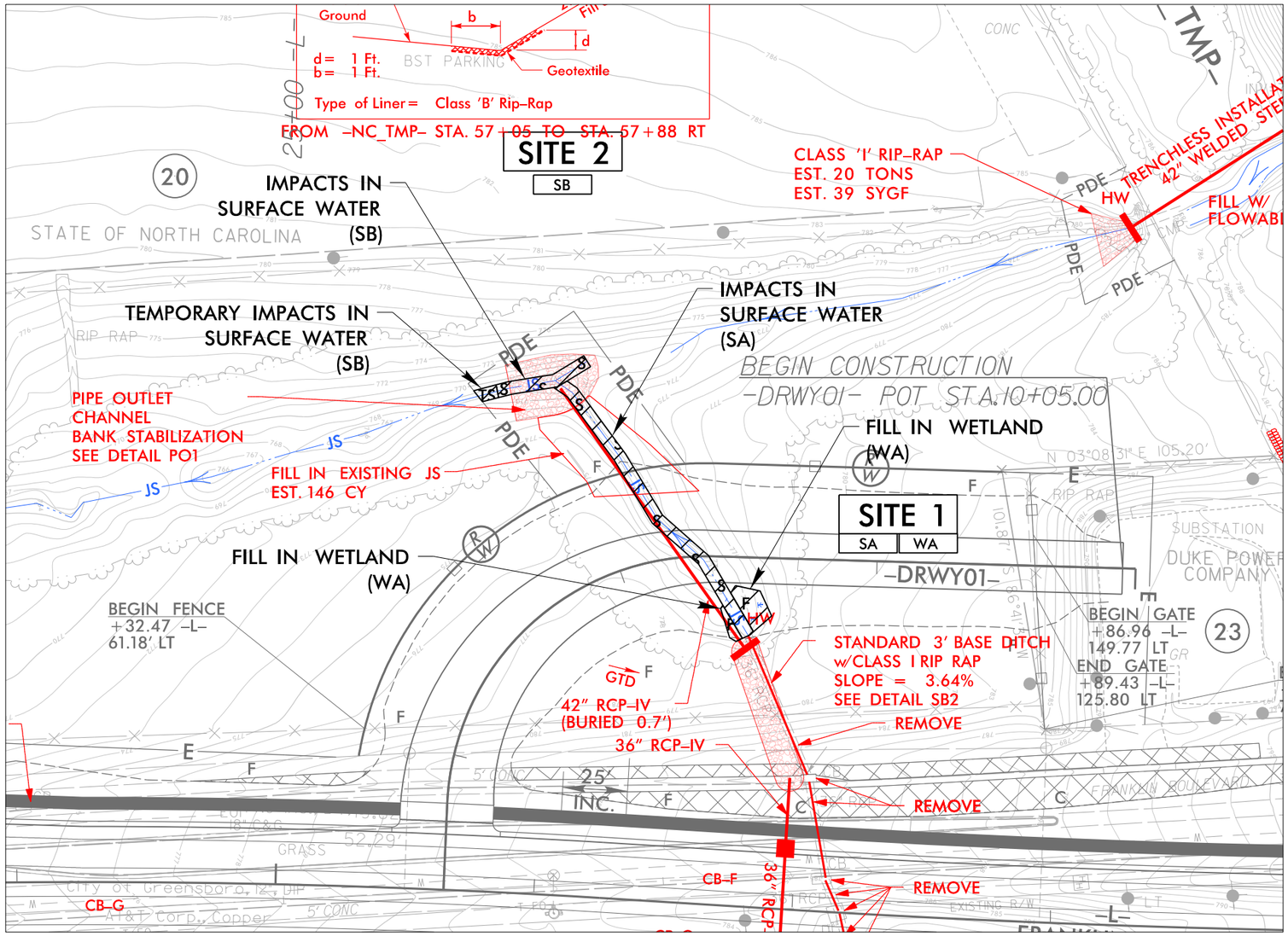
- F / F — DENOTES FILL IN WETLAND
- S / S — DENOTES IMPACTS IN SURFACE WATER
- TS / TS — DENOTES TEMPORARY IMPACTS IN SURFACE WATER

HNTB NORTH CAROLINA, P.C.
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NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
P–5709	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PERMIT DRAWING SHEET 5 OF 7

NAD 83/NSRS2007



50′ 0′ 50′ 100′ 150′
GRAPHIC SCALE

LEGEND

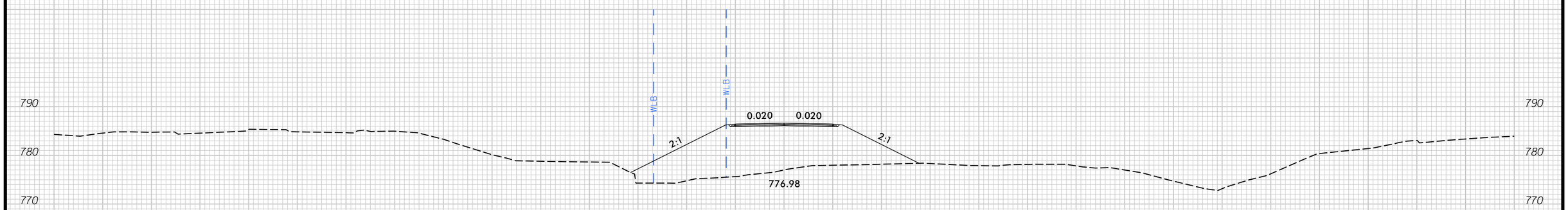
- F / F — DENOTES FILL IN WETLAND
- S / S — DENOTES IMPACTS IN SURFACE WATER
- TS / TS — DENOTES TEMPORARY IMPACTS IN SURFACE WATER

6/23/16

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	P-5709	

PERMIT DRAWING
SHEET 6 OF 7

WETLAND CROSS SECTIONS



SITE 1

–DRWY01– 11+50.00

SCALE
1"=20' HORIZONTAL
1"=20' VERTICAL

GUILFORD COUNTY
PROJECT: P-5709

7/26/2023
P-5709
HNTB
I:\P-5709 Franklin Blvd CS_PRM_XPL.dgn

WETLAND AND SURFACE WATER IMPACTS SUMMARY

			WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	DRWY01 Sta.11+40 to Sta.12+16	42" RCP-IV and Roadway Fill	< 0.01					0.01		125		
2	DRWY01 Sta.11+40 to Sta.12+00	Pipe Outlet Channel Stabilization						< 0.01	< 0.01	38	8	
TOTALS*:			< 0.01					0.02	< 0.01	163	8	

*Rounded totals are sum of actual impacts

NOTES:
Permanent Fill in Wetlands: 194 SF
Permanent Surface Water Impacts: 797 SF
Temporary Surface Water Impacts: 39 SF

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
7/26/2023
Guilford County
P-5709
46920.1.1
SHEET 7 OF 7

Revised 2018 Feb

Archaeology

NO ARCHAEOLOGICAL SURVEY REQUIRED FORM

This form only pertains to ARCHAEOLOGICAL RESOURCES for this project. It is not valid for Historic Architecture and Landscapes. You must consult separately with the Historic Architecture and Landscapes Team.

PROJECT INFORMATION

Project No:	**P-5709**	*County:*	Guilford
WBS No:	46920	*Document:*	Federal Programmatic Categorical Exclusion
Federal Aid No:		*Funding:*	☐ State ☒ Federal
Federal Permit Required?	☒ Yes ☐ No	*Permit Type:*	USACE

Project Description:

SUMMARY OF CULTURAL RESOURCES REVIEW

Brief description of review activities, results of review, and conclusions:

Construct a grade separation for the Norfolk-Southern Railway H Line at Franklin Blvd. and close the O'Ferrell St. crossing in Greensboro in Guilford County. The Area of Potential Effects (APE), based on the study area provided by the project manager, is approximately 1,455 meters (4,772 ft.) long and 582 meters (1,910 ft.) wide at its widest. No design plans were provided. The project is federally funded and federal permits will be required. Easements will be required. Because the project is federally funded and will require federal permits this review was conducted according to Section 106 of the National Historic Preservation Act.

NOTE: This project was first submitted for cultural resources review in 2017. A No Archaeological Survey Required form was submitted in February 2018. At that time the project was state funded and did not require any federal permits, so the review was conducted under North Carolina General Statute 121-12 (a). The study area has not changed, but the funding has changed to federal and federal permits are now required. This form provides the same information as the 2017 review in an updated format.

(This project falls within a North Carolina County in which the following federally recognized tribes have expressed an interest: The Catawba Nation; the Occaneechi Band of the Saponi Nation (state-recognized). . *We recommend that you ensure that this documentation is forwarded to these tribes using the process described in the current NCDOT Tribal Protocol and PA Procedures Manual.)*

Brief Explanation of why the available information provides a reliable basis for reasonably predicting that there are no unidentified historic properties in the APE:

The 2017 review included an examination of a topographic map, an aerial photograph, and listings of previously recorded sites, previous archaeological surveys, and previous environmental reviews at the Office of State Archaeology (OSA). (The 2023 review added an examination of the

information available on the OSA's web-based GIS server.) The railroad line is oriented approximately east-west.

The topographic map (McLeansville) shows the railroad crossings are located on a ridge in a developed part of Greensboro. The study area does not include any stream crossings. In this region, ridges have a low to moderate potential for prehistoric archaeological sites. The potential is higher when the ridge is close to a water source.

The aerial photograph shows most of the study area is occupied by residential and commercial structures. The west half of the project area (west of Franklin Blvd.) is occupied by homes, businesses and roads. The east half of the project area (east of Franklin Blvd.) is not quite as developed. There are some large open grass areas that are probably the landscaped yards of the businesses located nearby.

A review of information at the OSA showed there are no previously recorded archaeological sites within or adjacent to the study area. A tract within the study area has been previously surveyed for archaeological sites. Idol (2010) conducted an archaeological survey of the Greensboro National Guard Armory located in the study area near the west end (ER 10-2178). No archaeological sites were recorded during that survey.

Also, this project has been previously reviewed (ER 17-1000) by the State Historic Preservation Office (HPO). HPO recommended that no archaeological survey was necessary.

Reference Cited

Idol, Bruce
2010 Archaeological Survey of the Greensboro National Guard Armory, Guilford County, North Carolina. Report submitted to the North Carolina National Guard, Raleigh. TRC Environmental Corporation, Chapel Hill, North Carolina.

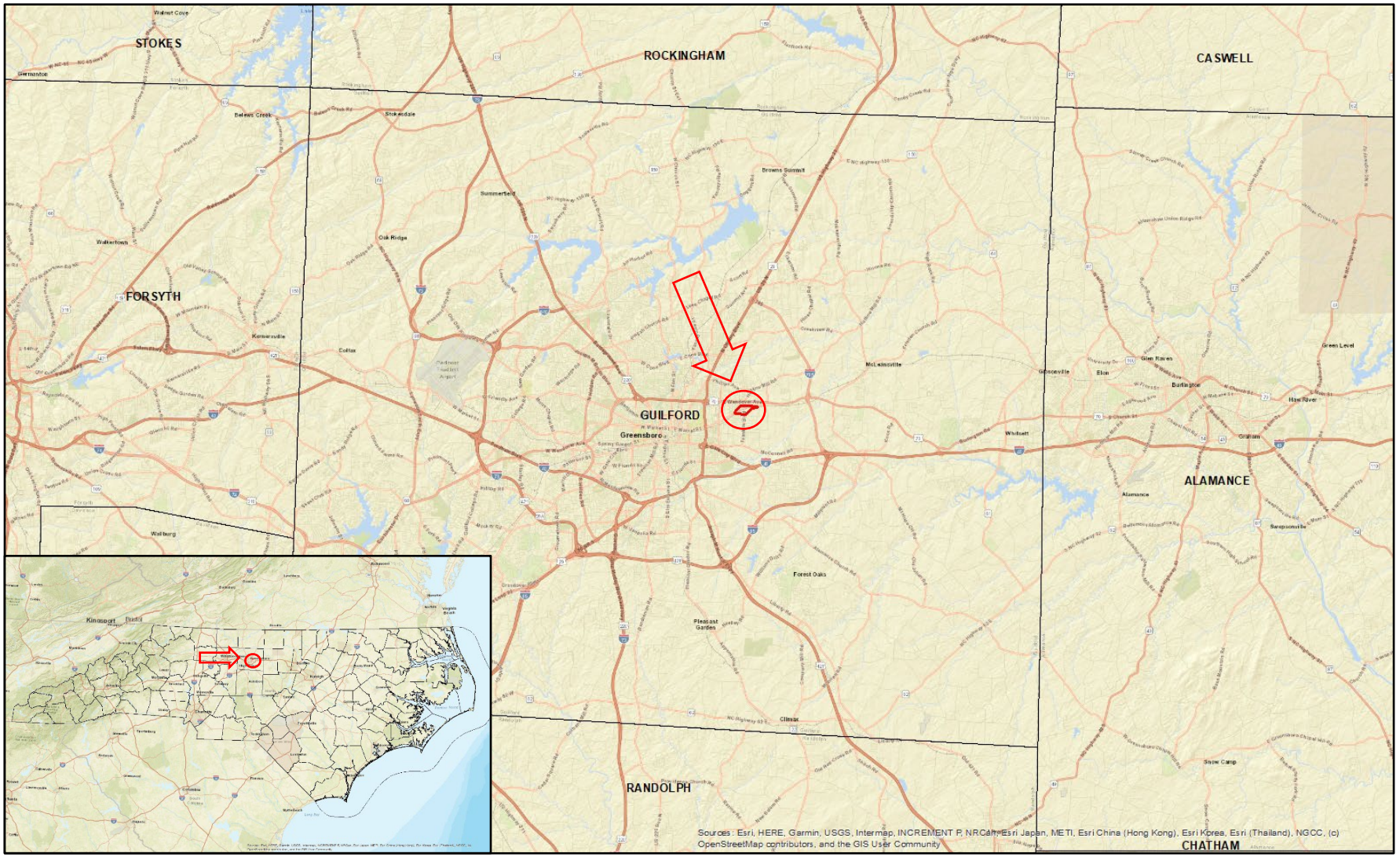
SUPPORT DOCUMENTATION

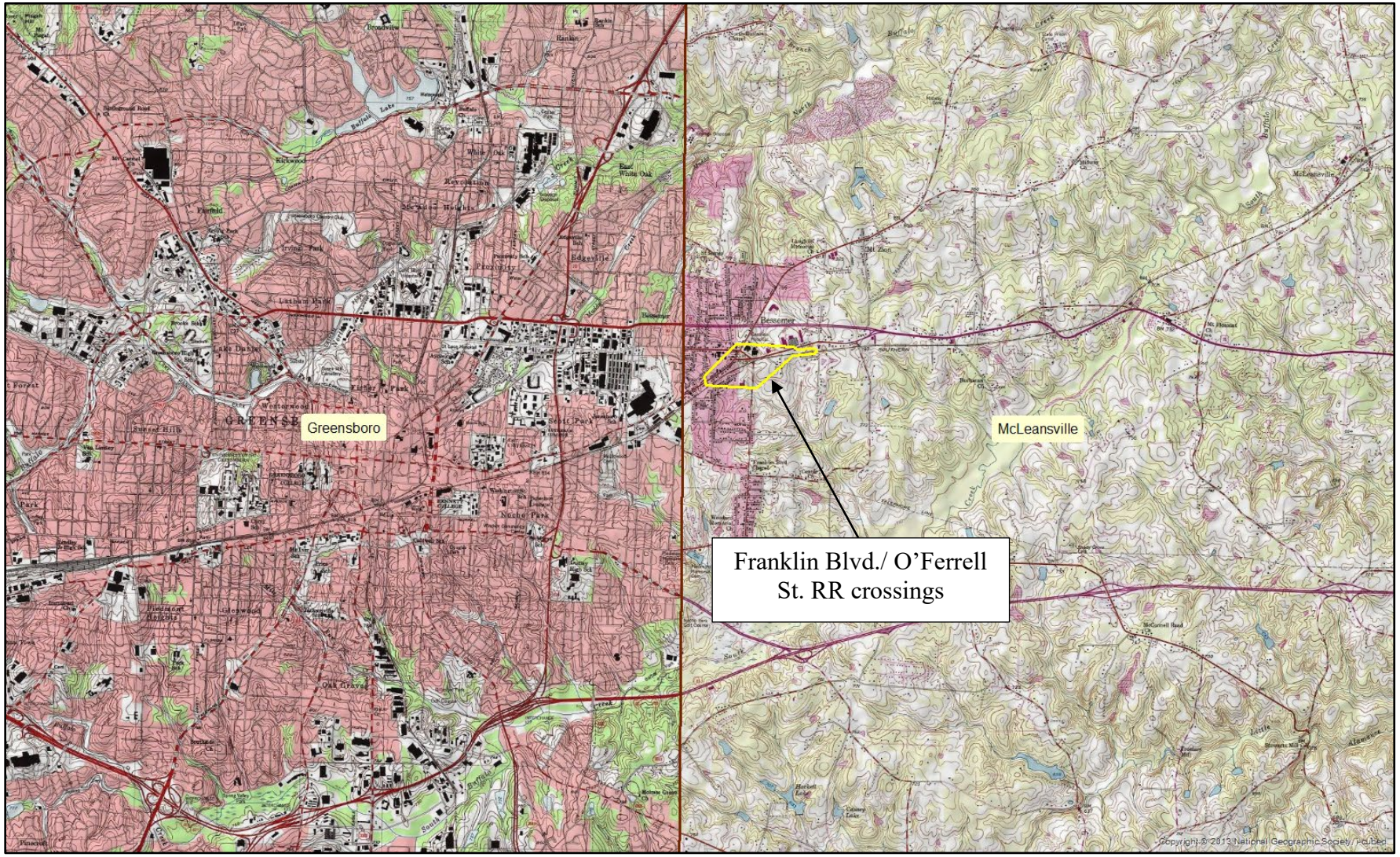
See attached: ☒ Map(s) ☒ Previous Survey Info ☐ Photos ☐ Correspondence
Other:

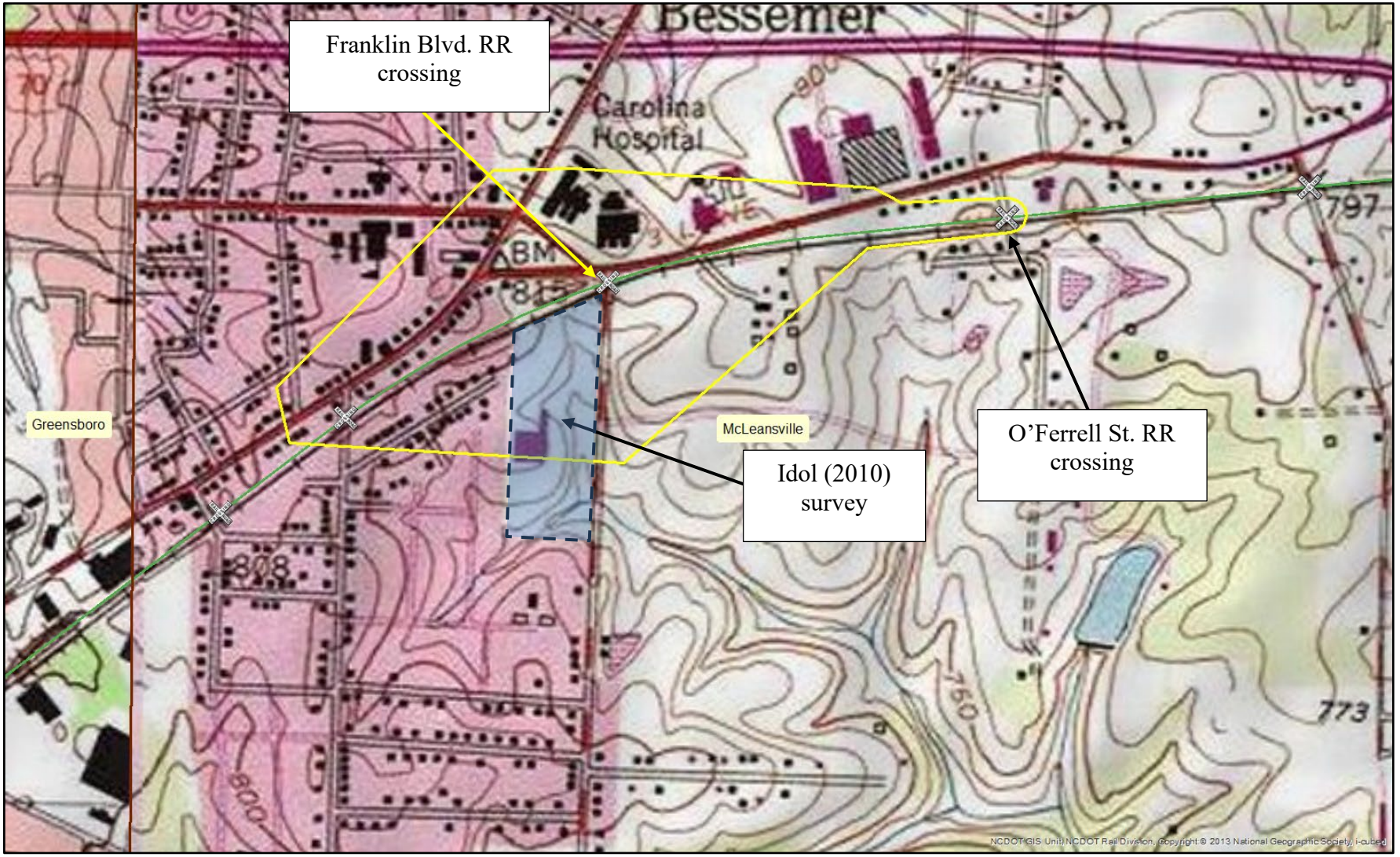
FINDING BY NCDOT ARCHAEOLOGIST: *NO ARCHAEOLOGY SURVEY REQUIRED*

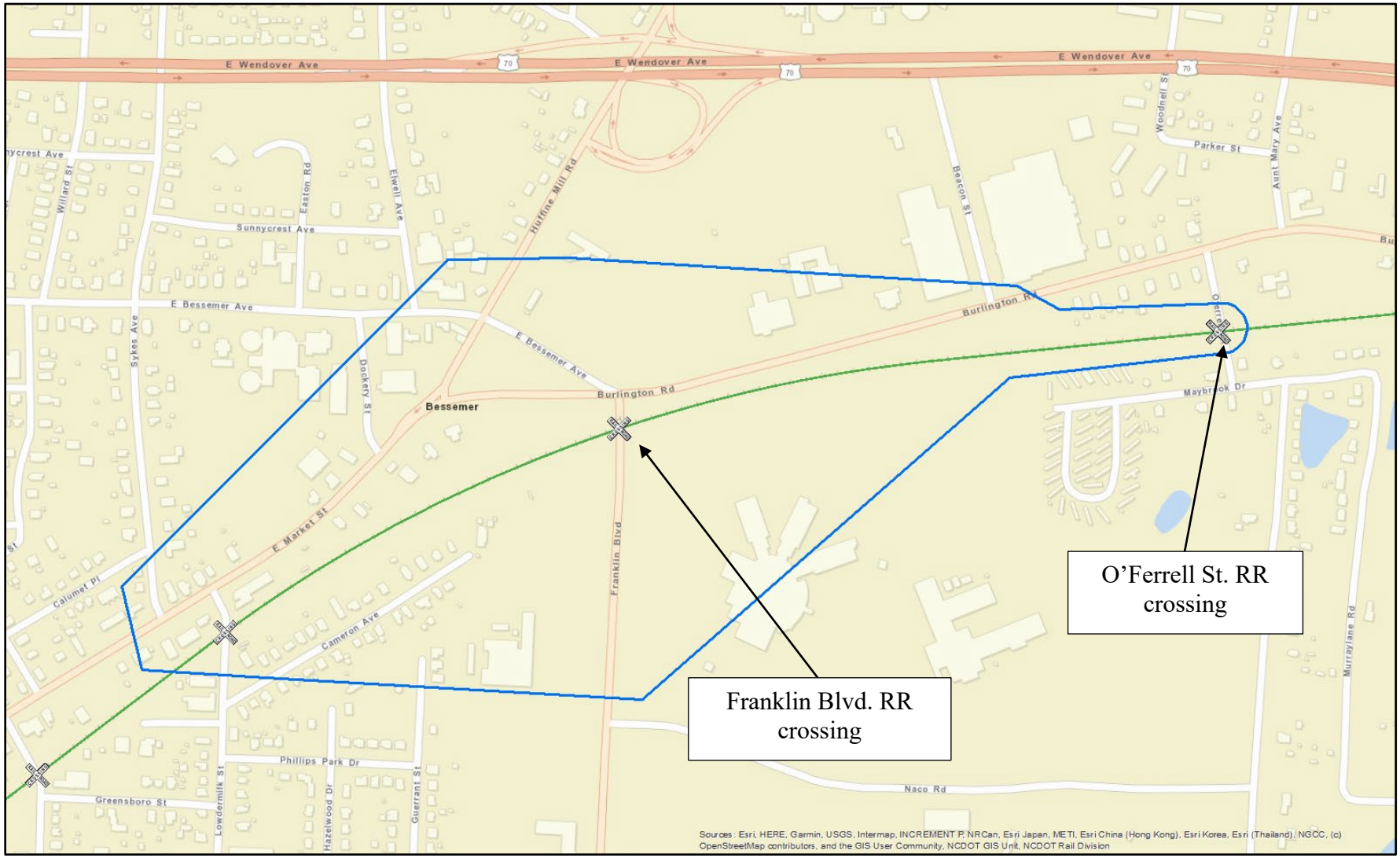
Caleb Smith 12/4/2023

NCDOT ARCHAEOLOGIST II Date


STOKES
ROCKINGHAM
CASWELL
FORSYTH
GUILFORD
Greensboro
ALAMANCE
RANDOLPH
CHATHAM
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community


Greensboro
McLeansville
Franklin Blvd./ O'Ferrell St. RR crossings


Bessemer
Franklin Blvd. RR crossing
Carolina Hospital
Greensboro
McLeansville
Idol (2010) survey
O'Ferrell St. RR crossing
NCDOT GIS Unit, NCDOT Rail Division, Copyright © 2013 National Geographic Society, i-cubed


E Wendover Ave
E Wendover Ave
E Wendover Ave
70
70
70
Sunnycrest Ave
E Bessemer Ave
E Bessemer Ave
Burlington Rd
Burlington Rd
Bessemer
Maybrook Dr
E Market St
Cameron Ave
Phillips Park Dr
Greensboro St
Naco Rd
Franklin Blvd
Parker St
Beacon St
Hutfline Mill Rd
Elwell Ave
Easton Rd
Willard St
Sykes Ave
Dockery St
Calumet Pl
Lowdermilk St
Hazelwood Dr
Guerrant St
Aunt Mary Ave
Murraylane Rd
O'Ferrell St. RR crossing
Franklin Blvd. RR crossing
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community, NCDOT GIS Unit, NCDOT Rail Division


70
SR-2770
SR-3163
O'Ferrell St. RR crossing
Franklin Blvd. RR crossing

Historic Architecture & Landscapes

Project Tracking No. (Internal Use)

17-12-0033

HISTORIC ARCHITECTURE AND LANDSCAPES ASSESSMENT OF EFFECTS FORM

This form only pertains to Historic Architecture and Landscapes for this project. It is not valid for Archaeological Resources. You must consult separately with the Archaeology Group.

PROJECT INFORMATION

Project No:	P-5709	***County***:	Guilford
WBS No.:	46920.1.1	***Document Type***:	FCE
Fed. Aid No:	n/a	***Funding***:	☐ State ☒ Federal
Federal Permit(s):	☐ Yes ☒ No	***Permit Type(s)***:	n/a
Project Description: Convert at-grade crossing to grade separation at Franklin Blvd and O'Ferrell St crossings of Norfolk Southern RR in Greensboro			

SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

Description of review activities, results, and conclusion

Review of HPO quad maps, relevant background reports, historic designations roster, and indexes was undertaken on January 9, 2018. In November 2023 the funding source changed from state to federal. The project area has been previously studied for various other projects. There are three eligible resources that will need to have an effects assessment. An Effects Assessment Meeting was held on March 28, 2024. The following are the results of that meeting:

ASSESSMENT OF EFFECTS

Property Name:	Guilford County Center, North Carolina Cooperative Extension	***Status***:	DE
Survey Site No.:	GF9155	***PIN***:	

Effects

☐ No Effect ☒ No Adverse Effect ☐ Adverse Effect

Explanation of Effects Determination:

Not impacting the qualities for which the property is eligible

List of Environmental Commitments:

do not disturb sign.
will maintain turning radii of vehicles entering and exiting parking lot

Property Name:	Greensboro FMS No. 9	***Status***:	DE
Survey Site No.:	GF7023	***PIN***:	

Effects

☒ No Effect ☐ No Adverse Effect ☐ Adverse Effect

Explanation of Effects Determination:

Outside of project limits

List of Environmental Commitments:

Property Name:	Greensboro National Guard Armory	***Status***:	DE
Survey Site No.:	GF7007	***PIN***:	

Effects

☒ No Effect ☒ No Adverse Effect ☐ Adverse Effect

Explanation of Effects Determination:

Not impacting functions or parking or the qualities for which the property is eligible

List of Environmental Commitments:

FHWA Intends to use the NC-HPO's concurrence as a basis for a "de minimis" finding for the following properties, pursuant to Section 4(f): Greensboro National Guard Armory and Guilford County Center, NC Cooperative Extension

SUPPORT DOCUMENTATION

☒Map(s) ☐Previous Survey Info. ☒Photos ☐Correspondence ☒Design Plans

FINDING BY NCDOT AND STATE HISTORIC PRESERVATION OFFICE

Historic Architecture and Landscapes – ASSESSMENT OF EFFECTS

Shelby Reap — 3/28/2024

NCDOT Architectural Historian — Date

Renee Gledhill-Earley — 3/28/2024

State Historic Preservation Office Representative — Date

3/28/2024

Federal Agency Representative — Date

NORTH CAROLINA
Department of Transportation

P-5709 Effects Meeting

Grade Separation of Franklin Boulevard crossing (722959A) and close the O'Ferrell Street crossing (722961B) of the Norfolk Southern Railway (NS) H-line in Greensboro, Guilford County

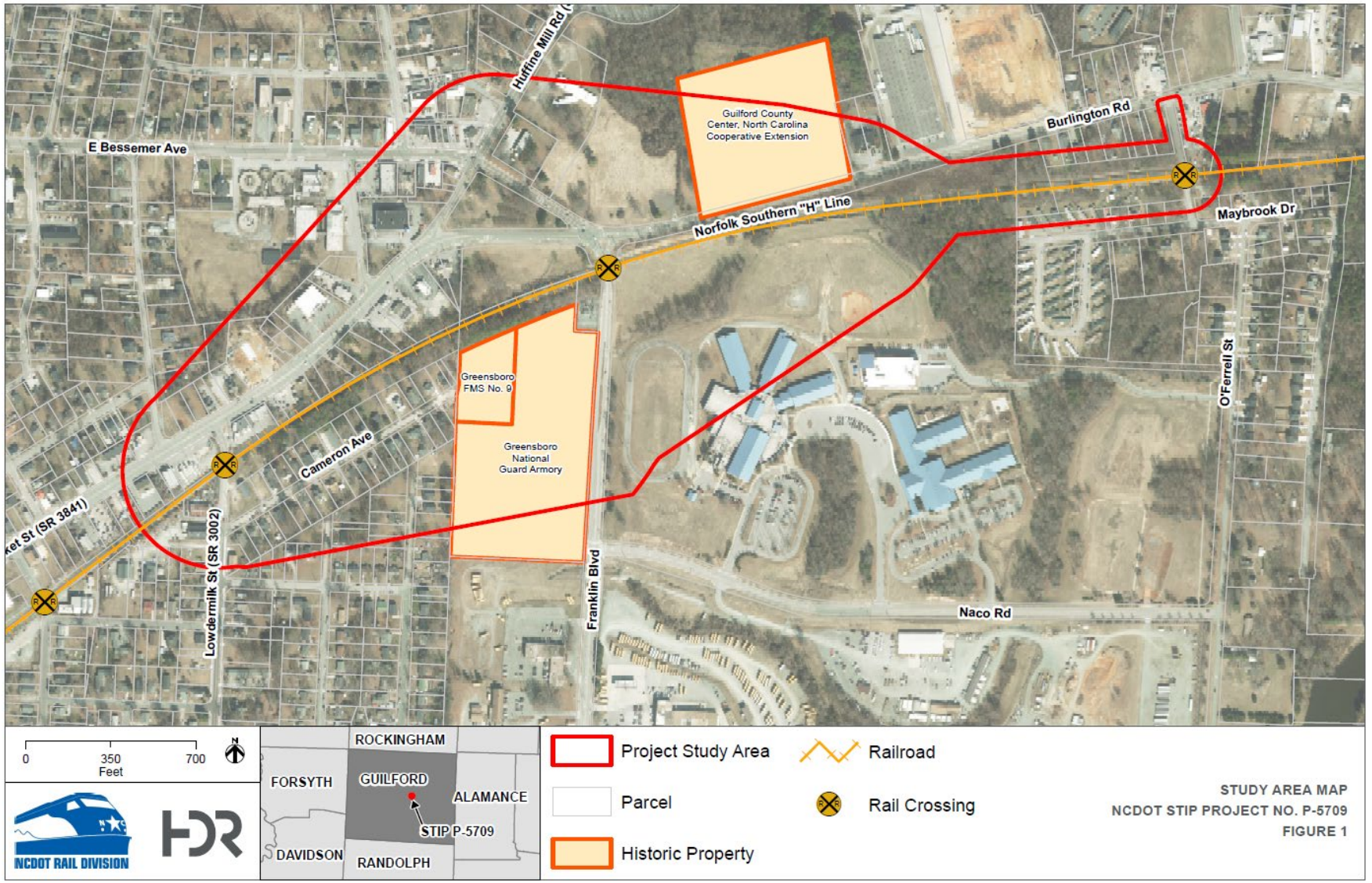
March 28, 2024

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

Agenda

- Project Location, Purpose & Overview
- Greensboro National Guard Armory
- Guilford County Cooperative Extension
- Plan Sheet Review

P-5709 Project Location



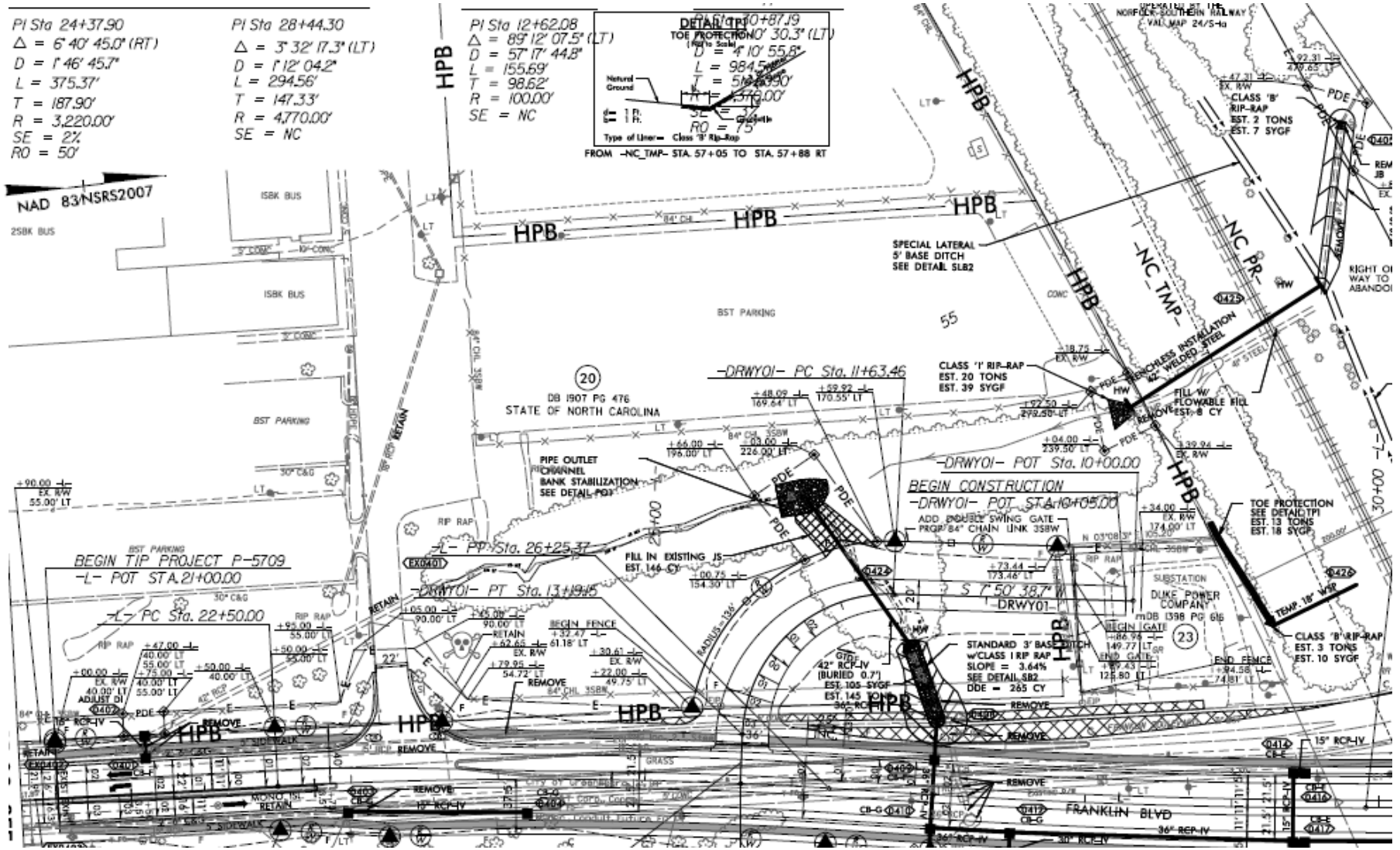
Project Overview

- Current design is at the Draft 90% Plan Stage
- Categorical Exclusion was signed May 2020. Since the CE was signed, there has been a change in funding to federal.
- Construction is scheduled for 2026

Purpose & Need:

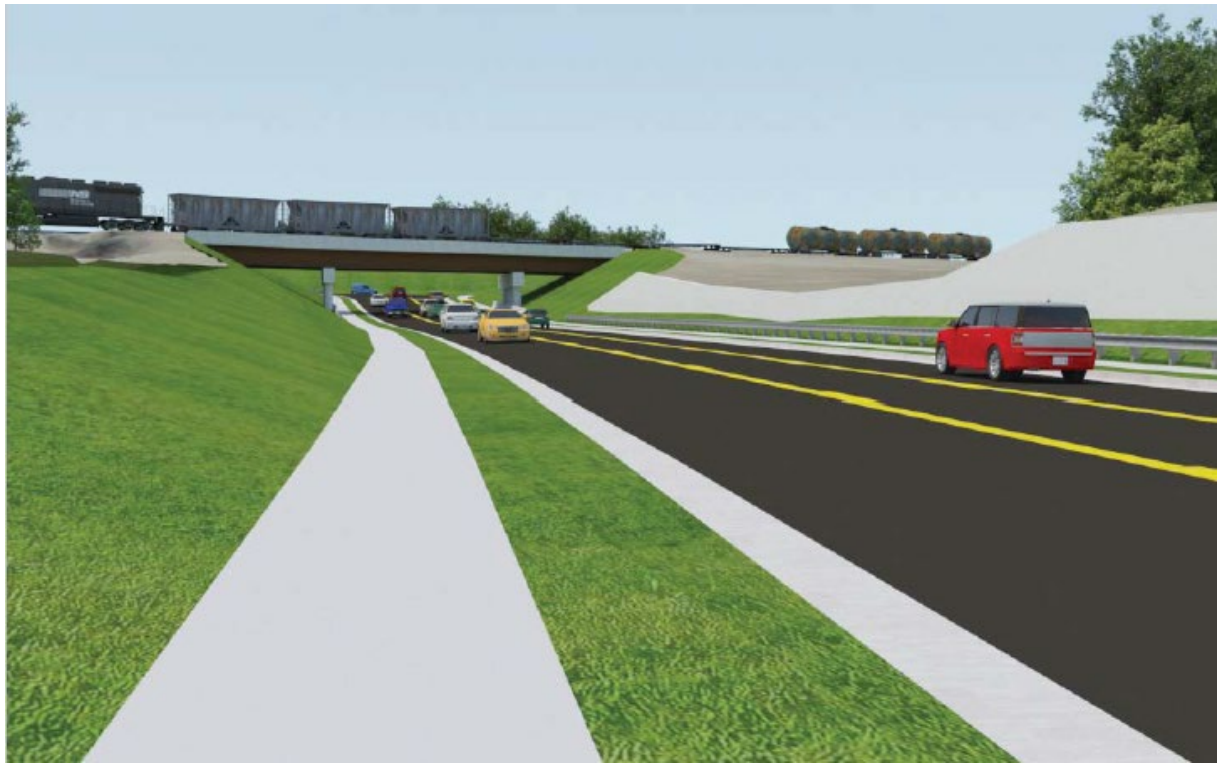
- The project is needed to reduce the potential for roadway vehicle/train conflicts at the at-grade crossings as rail traffic volumes increase in the future.
- The purpose of the project is to provide safety improvements and improve passenger and freight rail operations along the Piedmont Corridor between Raleigh and Charlotte by replacing existing at-grade railroad crossings at Franklin Boulevard with a grade separation and proposed closure of the O'Ferrell Street crossing.

Greensboro National Guard Armory



Greensboro National Guard Armory – Visualizations





Greensboro National Guard Armory – Street View



Greensboro National Guard Armory – Coordination

From: Lee, Andrew <aglee@jmt.com>
Sent: Wednesday, January 25, 2023 3:00 PM
To: Rice, J D (Jeff) SFC USARMY NG NCARNG (USA) <jeffrey.d.rice.mil@army.mil>
Cc: Amato, Denise T <dtamato@ncdot.gov>; Coleman, Samuel D <sdcoleman@ncdot.gov>; Lee, Andrew <aglee@jmt.com>; Kilpatrick, Kevin <kdkilpatrick@jmt.com>
Subject: [External] RE: P-5709 Guilford County 110 Franklin Blvd. National Guard Armory

CAUTION: External email. Do not click links or open attachments unless you verify. Send all suspicious email as an attachment to Report Spam.

Good afternoon Mr. Rice,

I have attached an email from Samuel Coleman who is managing this project for NCDOT and he is copied on this email. This attachment will hopefully address the concerns about the fencing and overhead clearances you had mentioned in your email from 10-26-22.

A quick summary regarding the fencing:

On the map from Samuel's email attached new fencing is being set along the blue line and then the fencing along the red line will be removed. There are some areas along the green line in which your existing fencing is inside DOT's proposed easement areas. In these areas, NCDOT does not anticipate that the fencing will be impacted but since it is inside the easement area we will be asking the appraiser to include it with the appraisal compensation so that funds are available to you in the event you need to secure the site temporarily and or permanently.

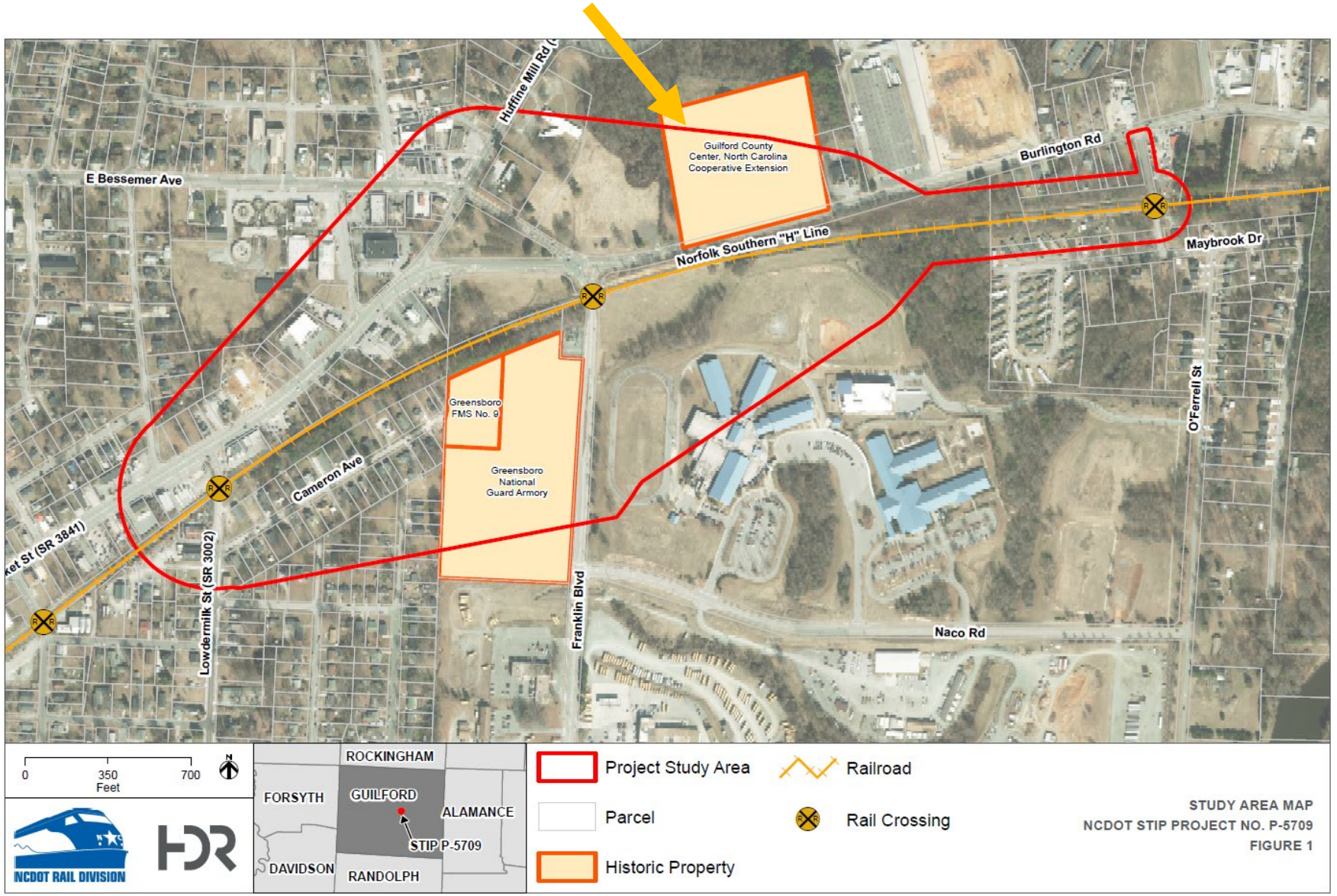
If we need to set up a meeting onsite to review please let me know.

Thanks,
Andy

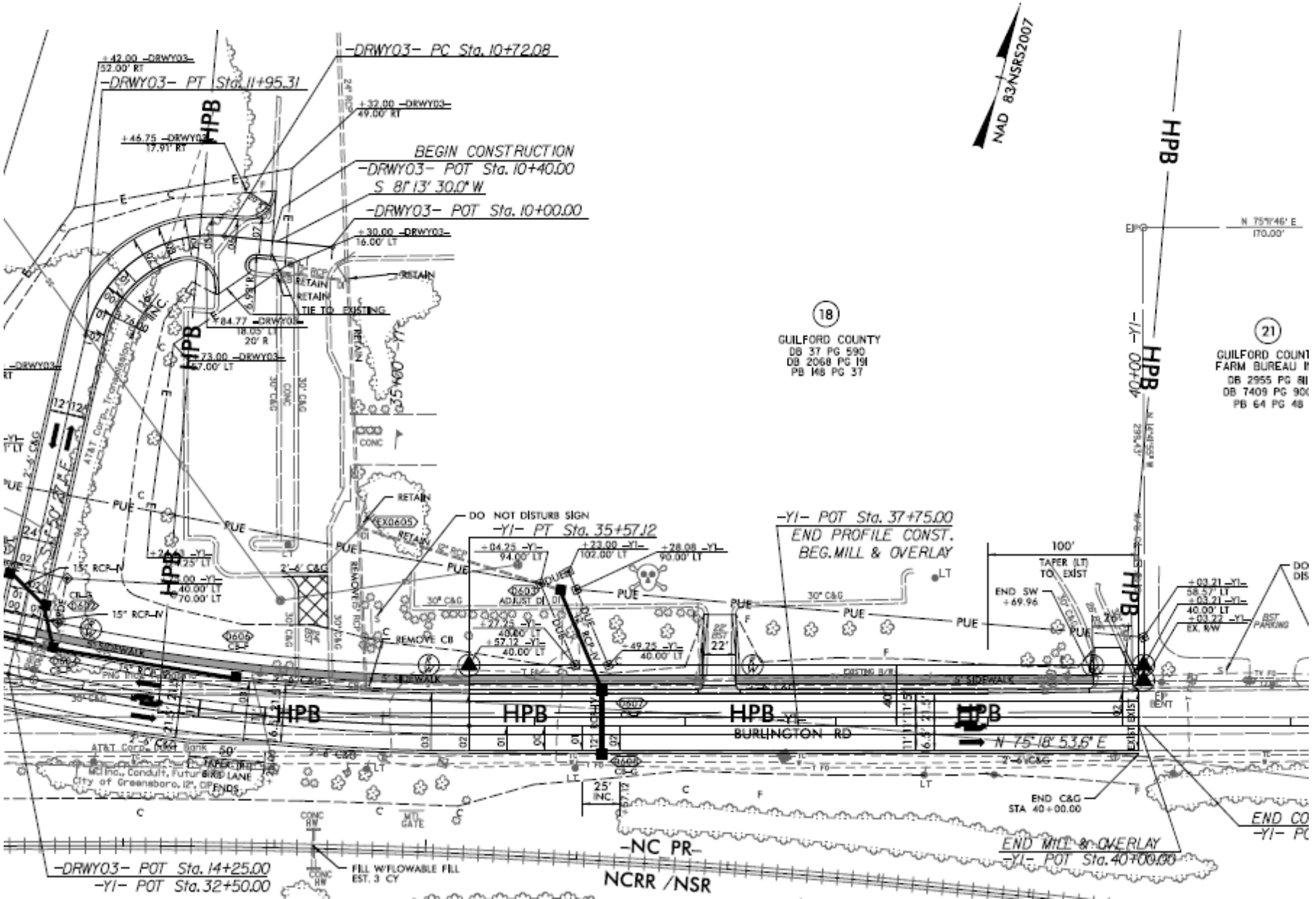
Vaughn & Melton is now JMT!
Our name may have changed, but our experts have not. We are the same great team providing the same great services.

JMT - Johnson, Mirmiran & Thompson, Inc.
An Employee-Owned Company
ANDREW G. LEE
Real Property Specialist
2815 Coliseum Centre Drive, Suite 550
Charlotte, NC 28217
C: 828-455-7333 | D: 980-256-3124
aglee@jmt.com
jmt.com

Guilford County Cooperative Extension



Guilford County Cooperative Extension



Guilford County Cooperative Extension



Guilford County Cooperative Extension - Coordination

From: Richard Mosher <rmosher@guilfordcountync.gov>
Sent: Wednesday, March 27, 2024 2:13 PM
To: Laad, Anamika <alaad@ncdot.gov>; Dayton, Jeffrey <jeffrey.dayton@hdrinc.com>; Kiersnowski, Elizabeth <elizabeth.kiersnowski@hdrinc.com>
Cc: Greene(LJB, Inc.), Christa A <ext-cagreene1@ncdot.gov>; Eric Hilton <ehilton@guilfordcountync.gov>
Subject: RE: [External] Re: P-5709 Co-Op Property

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Anamika,

Guilford County Acknowledges that the driveway relocation at the Western side of the Agricultural Center property, located at 3307 Burlington Road in Greensboro, NC, is acknowledged and will not interfere with vehicles passage, turning radii, access, circulation or any other historic uses.

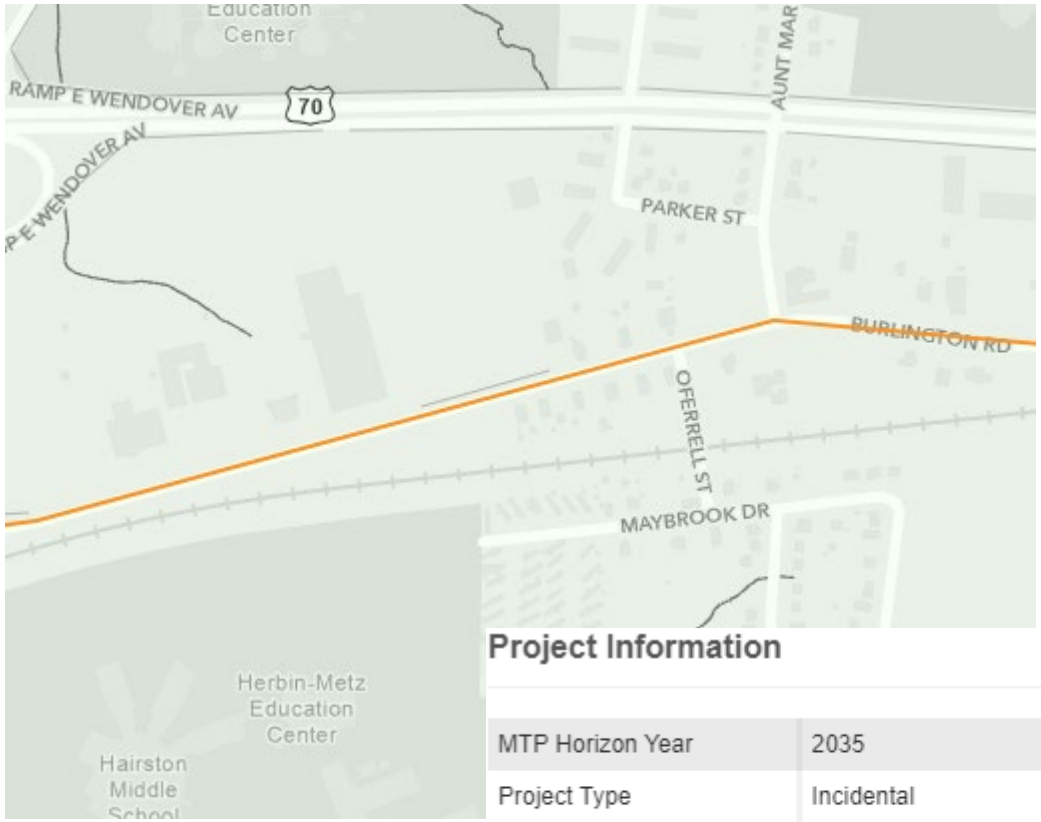
I'm very sorry for the delay, but my absence turned into a hospital stay. Please feel free to contact me if I can of any service to you whatsoever. Have a great day.

Rick

Richard Mosher
Real Estate Project Manager
Facilities
Guilford County Government
301 West Market Street Suite 400, Greensboro, NC 27401

Guilford County Cooperative Extension – Complete Streets

- Greensboro Urban Area MPO Metropolitan Transportation Plan (MTP) recommends approx. 0.8 miles of sidewalk along Burlington Road in front of the Co-Op property.



Project Information

MTP Horizon Year	2035
Project Type	Incidental
Facility Type	Pedestrian Improvements
Length (mi)	0.79

Questions?

Tribal Coordination

Docusign Envelope ID: A3657950-7A31-4F3B-8BF9-AD3BEB5BF1DE

Catawba Indian Nation
Tribal Historic Preservation Office
1536 Tom Steven Road
Rock Hill, South Carolina 29730

Office 803-328-2427

November 29, 2023

Attention: Tamara Njegovan
NC Department of Transportation
1553 Mail Service Center
Raleigh, NC 27699

Re. THPO #	TCNS #	Project Description
2024-193-18		Construct a grade separation at the Franklin Boulevard crossing and close the O'Ferrell Street crossing of the Norfolk Southern Railway (NS) H-Line in Greensboro P-5709

Dear Mr. Njegovan,

The Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. **However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.**

If you have questions please contact Caitlin Rogers at 803-328-2427 ext. 226, or e-mail Caitlin.Rogers@catawba.com.

Sincerely,

Caitlin Rogers for

Wenonah G. Haire
Tribal Historic Preservation Officer

Docusign Envelope ID: A3657950-7A31-4F3B-8BF9-AD3BEB5BF1DE

From: Njegovan, Tamara M.
To: Dayton, Jeffrey; Poole, Emily; Laad, Anamika
Subject: Fwd: [External] Franklin Blvd
Date: Sunday, November 12, 2023 1:01:11 PM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Sent from my iPhone

Begin forwarded message:

From: OBSN Tribe <obsntribe@gmail.com>
Date: November 12, 2023 at 12:55:10 PM EST
To: "Njegovan, Tamara M." <tmnjegovan@ncdot.gov>
Subject: [External] Franklin Blvd

CAUTION: External email. Do not click links or open attachments unless verified. Report suspicious emails with the Report Message button located on your Outlook menu bar on the Home tab.

Hi Tamara:

I am responding to your letter dated 10/25/23. The OBSN does not have any historic properties of traditional religious or cultural importance at this site.

Thank you,

Vickie Jeffries
OBSN Tribal Administrator
336-684-6270

--
Occaneechi Band of the Saponi Nation, Inc.
P.O. Box 356, Mebane, NC 27302 (mailing address)
Phone: 336-421-1317
Fax: 336-738-3432
Email: obsntribe@gmail.com
Website: www.obsn.org
Location: OBSN Tribal Center - 4902 Dailey Store Road - Burlington, NC 27217

Email correspondence to and from this sender is subject to the N.C. Public Records Law and may be disclosed to third parties.

NEPA Document

Docusign Envelope ID: A3657950-7A31-4F3B-8BF9-AD3BEB5BF1DE

Type I or II Categorical Exclusion Action Classification Form

STIP Project No.	**P-5709**
WBS Element	46920.1.1
Federal Project No.	N/A

A. Project Description:

The North Carolina Department of Transportation (NCDOT) proposes to construct a grade separation at the Franklin Boulevard crossing (722959A) and close the O'Ferrell Street crossing (722961B) of the Norfolk Southern Railway (NS) H-line in Greensboro, Guilford County (see Figure 1). The state-funded project is identified as P-5709 in the 2024-2033 State Transportation Improvement Program (STIP). Right-of-way acquisition is complete, and construction is scheduled to begin in Fiscal Year 2026. The Greensboro Urban Area Metropolitan Planning Organization (GUAMPO) identifies P-5709, the Franklin Boulevard grade-separation and closure of O'Ferrell Street, in the MPO's 2024-2033 Metropolitan Transportation Improvement Program list of recommended projects.

Additional roadway improvements include (see 90% plan set in **Attachment 1**):

- Converting the existing four-way Franklin Boulevard/Burlington Road/East Bessemer Avenue intersection to a three-way intersection. The segment of Burlington Road between Huffine Mill Road and Franklin Boulevard will be removed, and Franklin Boulevard will be realigned to the east to join East Bessemer Avenue.
- Widening East Bessemer Avenue from Elwell Avenue to the Guilford County Center, Cooperative Extension easternmost driveway. East Bessemer Avenue will also be realigned north of the existing intersection.
- Expanding existing bicycle and pedestrian accommodations along both sides of Franklin Boulevard, East Bessemer Avenue, and Burlington Road. Existing sidewalks along East Market Street/Huffine Mill Road will be replaced and new sidewalk will be installed within the project limits.
- Adding a new driveway to an electrical substation
- Relocating the northwestern driveway further west for the Guilford County Center, North Carolina Cooperative Extension property.

The following are typical roadway sections for the project, as depicted in **Attachment 1**:

- Franklin Boulevard (Typical Sections #1-3, Sheet 2A-1) – Two 11-foot lanes, 11-foot northbound left turn lane, a five-foot monolithic concrete island transitioning into a center-turn lane (concrete island extends from the southern terminus of Franklin Boulevard to the existing Army National Guard driveway), two-foot six-inch curb and gutter, five-foot bicycle lanes, and four-foot sidewalks on each side
- East Market Street (Typical Section #6-9, Sheet 2A-2) – Four 11-foot lanes, two-way center turn lane, two-foot six-inch curb and gutter, five-foot bicycle lanes, and four-foot sidewalks on each side
- Burlington Road and Bessemer Avenue (Typical Sections #4 and #5, Sheet 2A-1) – Two 11-foot lanes, single westbound left turn lane, two-foot six-inch curb and gutter, five-foot bicycle lanes, and four-foot sidewalks on each side in the vicinity of the Market Street intersection, transitioning to a four-foot sidewalk on the north side of Burlington Road heading west

B. Description of Need and Purpose:

In 2013 the NCDOT Rail Division, City of Greensboro, Norfolk Southern Railway (NS), and the North Carolina Railroad (NCRR) participated in a comprehensive evaluation of traffic patterns and road usage at six existing at-grade crossings in Guilford County located along the NS rail corridor. Using quantitative and qualitative measures, the Traffic Separation Study (TSS) recommended a grade-separation at the Franklin Boulevard crossing and to close O'Ferrell Street. The Franklin Boulevard crossing was the highest priority

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of the six crossings in the study, given its traffic volumes and connectivity with the larger street network. The Franklin Boulevard rail crossing serves 7,325 vehicles per day (vpd - 2014), and the O'Ferrell Street rail crossing serves a volume of 760 vpd (2014) of mostly residential traffic. Based on the Federal Railroad Administration (FRA) data, a daily total of 13 trains cross Franklin Boulevard at a typical speed range between 40 and 60 mph (2017). These volumes translate to an exposure rate of approximately 560 vehicles per train per day at the Franklin Boulevard crossing. According to the Director of Transportation for Guilford County Schools, 59 school buses make a total of 205 daily trips across the Franklin Boulevard railroad crossing and 12 school buses make a total of 48 daily trips across the O'Ferrell Street railroad crossing.

The project is needed to reduce the potential for roadway vehicle/train conflicts at the at-grade crossings as rail traffic volumes increase in the future. Grade separations and crossing closures eliminate the potential for roadway vehicle/train conflicts, which improves safety for both rail and roadway traffic.

The purpose of the project is to provide safety improvements and improve passenger and freight rail operations along the Piedmont Corridor between Raleigh and Charlotte by replacing existing at-grade railroad crossings at Franklin Boulevard with a grade separation and proposed closure of the O'Ferrell Street crossing. The Piedmont Corridor consists of the Greensboro to Charlotte portion of the NS Washington, DC to Atlanta, Georgia mainlines and the NS H-line that runs from Greensboro to Raleigh.

C. Categorical Exclusion Action Classification:

Type I(A) - Ground Disturbing Action

D. Proposed Improvements:

28. Bridge rehabilitation, reconstruction, or replacement or the construction of grade separation to replace existing at-grade railroad crossings, if the actions meet the constraints in 23 CFR 771.117(e)(1-6).

E. Special Project Information:
A Categorical Exclusion (CE) was prepared for the project in May 2020, and subsequent right-of-way consultation in September 2021. The project is currently state-funded, but due to a potential change in funding to federal an updated federal CE has been prepared.

Alternative Analysis:
Five design concepts were studied in addition to the No-Build Alternative:

- Franklin Boulevard over the railroad with a reduced grade and alignment similar to existing.
- Franklin Boulevard over the railroad with a relocated intersection.
- Franklin Boulevard over the railroad and Market Street.
- Franklin Boulevard under the railroad with alignment similar to existing.
- Franklin Boulevard tunnel under the railroad with a relocated intersection.
- No-Build Alternative: No physical improvements to the existing roadway or construction of a new facility is proposed.

The five design concepts were presented to the public during a December 2017 public meeting. Following the public meeting, two alternatives were developed and studied in greater detail – one that bridges the roadway over the railroad (Alternative 2B) (see **Figure 2**) and one that bridges the railroad over the roadway (Alternative 5) (see **Attachment 1**). On September 20, 2018, an alternative review meeting was held with staff representing the NCDOT Rail Division and the City of Greensboro, with a follow up meeting held with the City of Greensboro staff and Greensboro local officials on March 14, 2019.

Preferred Alternative: Alternative 5 was selected as the preferred alternative based on comments received during the public meetings and discussion with stakeholders including the City of Greensboro. Alternative 5 has a lower maximum road grade on Franklin Boulevard, which is preferable for pedestrians and bicyclists,

Docusign Envelope ID: A3657950-7A31-4F3B-8BF9-AD3BEB5BF1DE

has a better view shed, and fewer right of way and stream impacts. **Table 1** summarizes the potential impacts to known resources based on preliminary design. Environmental features can be seen in **Figure 3**.

Table 1. Summary of Impacts

Resource/Affected Environment	Alternative 2B	Alternative 5
Historic Architecture Resources (#)	3	
Archaeology (#)	None	
Schools (#)	1	
Potential Relocations (#)	0	
Section 4(f) Property (#)	2	
Hazardous Material Sites	*Low Risk*	
Utilities	Duke Power Substation, above ground power distribution lines and poles, water, sewer, gas, phone, CATV	
Noise Impacts (# of receptors)	3	
High Percent of Special Populations	Minority, low-income, Language Assistance (Spanish and 'Other') No disproportionate impacts anticipated	
Jurisdictional Streams (linear feet)	75	70
Jurisdictional Wetlands (acres)	< 0.01	< 0.01
Federally Protected Species		
Small whorled pogonia	No Effect	
Schweinitz's sunflower	No Effect	
Tricolored bat	MA – LAA	
Grade Comparison		
Along Franklin Boulevard	9%	1%
On Franklin Boulevard Approaching Bessemer Avenue/Burlington Road	0.36%	1%
On Franklin Boulevard Adjacent to Bessemer Avenue/Burlington Road	4%	7%
Bessemer Avenue West of Franklin Boulevard	3.55%	7.3%
Burlington Road East of Franklin Boulevard	5.9%	5.8%

MA-LAA – May Affect, Likely to Adversely Affect

Bicycle and Pedestrian Accommodations

A Stage 1 review was completed by NCDOT Integrated Mobility Division (IMD) in July 2021. The review recommends the project team incorporate sidewalks for pedestrians and a bicycle lane or shared use path for bicyclists. As noted above, the Preferred Alternative includes bicycle lanes and sidewalks in accordance with the review.

Cultural Resources

Historic Architecture

A Section 106 Effects Meeting was held on March 28, 2024 with NCDOT, the NC State Historic Preservation Office (NCHPO), and FHWA to review effects to the Guilford County Center North Carolina Cooperative Extension, Greensboro FMS No. 9, and Greensboro National Guard Armory, all eligible for National Register of Historic Places (NRHP) listing, as depicted in the Environmental Features Map included as **Figure 3**. At the Effects Meeting, it was determined the Preferred Alternative will have No Adverse Effect on the Cooperative Extension, No Effect on the Greensboro FMS No. 9, and No Effect on the Greensboro National Guard Armory. FHWA intends to use NC HPO's concurrence as the basis for a 'de minimis' finding for the Greensboro National Guard Armory and the Guilford County Center, North Carolia Cooperative Extension properties, pursuant to Section 4(f). An environmental commitment was provided for the Cooperative Extension to not disturb the brick sign and to maintain the turning radii of vehicles entering and existing the parking lot. The signed Effects Form and e-mail coordination with the Cooperative Extension can be found in **Attachment 2**.

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Archaeology
A No Archaeological Survey Required Form was received for the project in December 2023 (see **Attachment 2**).

Natural Environment
Two jurisdictional streams and one wetland are present in the project area (see **Figure 3**). The study area is located within the Cape Fear River Basin and more specifically within the Jordan Lake Watershed. Any streams found would be subject to the Jordan Lake Basin Riparian Buffer Rules administered by North Carolina Division of Water Resources (NCDWR) if illustrated on the USGS Topographic Map or the Published County Soil Surveys. The streams within the Study Area are not subject to the Jordan Lake Riparian Buffer Rules because they are not illustrated on either of the aforementioned maps.

It is anticipated that either a US Army Corps of Engineers (USACE) Regional General Permit or Nationwide Permit, and a Section 401 Water Quality Certification (WQC) from the NC Division of Water Resources (DWR) will be needed for the project prior to construction. The regulatory permitting agencies hold the final discretion as to what permits will be required to authorize project construction.

Threatened and Endangered Species
As of March 2024, there are three species under the US Fish and Wildlife Service (USFWS) jurisdiction within the study area according to the Information for Planning and Consultation (IPaC) database (**Table 2**). Species surveys were conducted on May 16, 2023, and the results are documented in the project's Protected Species Survey Memo found in the project files.

Table 2. Federally Protected Species

Scientific Name	Common Name	Federal Status	Habitat Present	Biological Conclusion
Helianthus schweinitzii	Schweinitz's sunflower	E	No	No Effect
Isostria medeoloides	Small whorled pogonia	T	No	No Effect
Perimyotis subflavus	Tricolored bat	PE	Yes	MA-LAA

E – Endangered
T – Threatened
PE – Proposed Endangered
MA-LAA – May Affect – Likely to Adversely Affect

Schweinitz's sunflower
Surveys were conducted on May 16, 2023 by Three Oaks Engineering, Inc, and no habitat was observed for the Schweinitz's sunflower in the study area. A review of North Carolina Natural Heritage Program (NCNHP) records on October 27, 2023 does not indicate a known occurrence within 1.0 mile of the study area. A Biological Conclusion of *No Effect* has been rendered for this species.

Small whorled pogonia
Surveys were conducted on May 16, 2023 by Three Oaks Engineering, Inc, and no habitat was observed for the Small whorled pogonia in the study area. A review of North Carolina Natural Heritage Program (NCNHP) records on October 27, 2023 does not indicate a known occurrence within 1.0 mile of the study area. A Biological Conclusion of *No Effect* has been rendered for this species.

Tricolored bat
The US Fish and Wildlife Service has issued a Programmatic Conference Opinion (PCO) in conjunction with FHWA, USACE, and NCDOT for the tricolored bat (TCB) (*Perimyotis subflavus*) in eastern North Carolina. The PCO covers the entire NCDOT program in Divisions 1-8, including all NCDOT projects and activities. NCDOT, FHWA, and USACE have agreed to three conservation measures (listed in the PCO) which will avoid/minimize take to TCBs. These conservation measures apply to all counties in Divisions 1-8. The programmatic determination for TCB for the NCDOT program is *May Affect, Likely to Adversely Affect*. Once the TCB is officially listed, the PCO will become the programmatic biological opinion (PBO) by formal request from FHWA and USACE. The PBO will ensure compliance with Section 7 of the Endangered Species Act

for approximately five years (effective through December 31, 2028) for all NCDOT projects with a federal nexus in Divisions 1-8, which includes Guilford County, where P-5709 is located.

Public and Stakeholder Involvement

Tribal Coordination – October 25, 2023

In accordance with NCDOT's Tribal Coordination policy, the Catawba Nation and Occaneechi Band of the Saponi Nation, Inc. were informed of the project via mailed letter on October 25, 2023. Responses were received from both tribes, noting no immediate concerns but they should be notified if Native American artifacts and/or human remains are located during the ground disturbance phase of this project (see **Attachment 3**).

Public Meetings – December 4, 2017 and November 21, 2019

A postcard and newsletter were mailed to residences and businesses within the project study area for the December 2017 and November 2019 Public Meetings. Five design concepts were presented using a PowerPoint presentation, handout and maps of each alternative. Fifteen residents/business owners attended the open house style public meeting. A total of six comments were submitted, either at the meeting or by email subsequent to the meeting during the 15-day comment period.

A joint Public Meeting for STIP Projects P-5709 and Y-5500GA was held on November 21, 2019 at Genesis Baptist Church in Greensboro from 4:00 p.m. to 7:00 p.m. The purpose of the meeting was present the public with the Preferred Alternatives and receive feedback. Approximately 60 people attended the meeting, one comment form submitted, and one PublicInput.com comment was submitted.

Environmental Justice Community Outreach

As detailed in the Community Characteristics Report (CCR) (see project file), there is a notable presence of environmental justice (EJ) populations in the Demographic Study Area (DSA). According to the 2018-2022 American Community Survey 5-year estimates, all three block groups that comprise the DSA contain populations exceeding EJ thresholds for minority and poverty.

Approximately 18.3% of the population in Census Tract (CT) 127.07 Block Group (BG) 1 have no vehicle available, and 13.8% of CT 127.07 BG 2. Greensboro Transit Agency operates a transit route within the study area (Route 5 – Gorrell Street), which includes one stop (#6034) within the study area, on the east side of Franklin Boulevard just north of Naco Road. The closure of the O'Ferrell Street at-grade crossing is not anticipated to impact residents' potential bicycle or pedestrian travel time to this stop, which is approximately equidistant traveling south on O'Ferrell Street, turning west along Naco Road to the stop on Franklin Boulevard, versus north on O'Ferrell Street, west on Burlington Road, and south on Franklin Boulevard. Furthermore, eliminating the at-grade O'Ferrell Street crossing and grade separating the Franklin Boulevard crossing will eliminate conflict points with rail and pedestrians/bicyclists.

Maybrook Mobile Home Park is located adjacent to the O'Ferrell Street railroad crossing to the southwest. Numerous field visits to the project site did not observe bicyclists or pedestrians utilizing this at-grade crossing, nor was it noted in local planner input forms (see project file for the CCR). NCDOT conducted targeted outreach in this community to obtain input. Hand delivery (door-to-door) of public meeting handouts was done prior to the 2019 public meeting in the Maybrook Mobile Home Park and to the area northwest of the project. Site visits and aerial imagery shows majority of homes owning at least one vehicle. The Maybrook Mobile Park residents did not express concerns at the longer driving distance due to the proposed O'Ferrell Street crossing closure. NCDOT representatives discussed the project's proposed actions and fielded questions from residents during this field visits and public meetings.

Local Officials Coordination

A local officials meeting was held prior to the public meeting on December 4, 2017 to present the five design concepts and receive feedback. Six local officials attended the meeting, representing the City of Greensboro and Guilford County.

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As noted above, an alternative review meeting was held with local officials on September 20, 2018. In the meeting, local officials provided comments on Alternatives 2B and 5, noting Alternative 2B would be more challenging for pedestrian and bicyclists, and could serve as a physical barrier given the proposed grade, in addition to visual impacts. They also noted Alternative 5 may reduce trespassing on the railroad, which was identified as an issue in the area.

A meeting was held on March 17, 2019 with Guilford County and City of Greensboro officials to discuss the NCDOT selected preferred alternative.

A local officials meeting was held prior to the joint P-5709/Y-5500GA public meeting on November 21, 2019 to present the preferred alternative to local officials.

All coordination and public meeting materials referenced above can be found in the project file.

F. Project Impact Criteria Checklists:

F2. Ground Disturbing Actions – Type I (Appendix A) & Type II (Appendix B)

Proposed improvement(s) that fit Type I Actions (NCDOT-FHWA CE Programmatic Agreement, Appendix A) including 2, 3, 6, 7, 9, 12, 18, 21, 22 (ground disturbing), 23, 24, 25, 26, 27, 28, &/or 30; &/or Type II Actions (NCDOT-FHWA CE Programmatic Agreement, Appendix B) answer the project impact threshold questions (below) and questions 8 – 31.

- *If any question 1-7 is checked "Yes" then NCDOT certification for FHWA approval is required.*
- *If any question 1-31 is checked "Yes" then additional information will be required for those questions in Section G.*

PROJECT IMPACT THRESHOLDS (FHWA signature required if any of the questions 1-7 are marked "Yes".)		Yes	No
1	Does the project require formal consultation with U.S. Fish and Wildlife Service (USFWS) or National Marine Fisheries Service (NMFS)?	☐	☑
2	Does the project result in impacts subject to the conditions of the Bald and Golden Eagle Protection Act (BGEPA)?	☐	☑
3	Does the project generate substantial controversy or public opposition, for any reason, following appropriate public involvement?	☐	☑
4	Does the project cause disproportionately high and adverse impacts relative to low-income and/or minority populations?	☐	☑
5	Does the project involve a residential or commercial displacement, or a substantial amount of right of way acquisition?	☐	☑
6	Does the project require an Individual Section 4(f) approval?	☐	☑
7	Does the project include adverse effects that cannot be resolved with a Memorandum of Agreement (MOA) under Section 106 of the National Historic Preservation Act (NHPA) or have an adverse effect on a National Historic Landmark (NHL)?	☐	☑

If any question 8-31 is checked "Yes" then additional information will be required for those questions in Section G.

Other Considerations		Yes	No
8	Is an Endangered Species Act (ESA) determination unresolved or is the project covered by a Programmatic Agreement under Section 7?	☐	☑
9	Is the project located in anadromous fish spawning waters?	☐	☑
10	Does the project impact waters classified as Outstanding Resource Water (ORW), High Quality Water (HQW), Water Supply Watershed Critical Areas, 303(d) listed impaired water bodies, buffer rules, or Submerged Aquatic Vegetation (SAV)?	☐	☑
11	Does the project impact Waters of the United States in any of the designated mountain trout streams?	☐	☑
12	Does the project require a U.S. Army Corps of Engineers (USACE) Individual Section 404 Permit?	☐	☑
13	Will the project require an easement from a Federal Energy Regulatory Commission (FERC) licensed facility?	☐	☑

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Other Considerations for Type I and II Ground Disturbing Actions (continued)		Yes	No
14	Does the project include a Section 106 of the National Historic Preservation Act (NHPA) effects determination other than a No Effect, including archaeological remains?	☑	☐
15	Does the project involve GeoEnvironmental Sites of Concerns such as gas stations, dry cleaners, landfills, etc.?	☑	☐
16	Does the project require work encroaching and adversely affecting a regulatory floodway or work affecting the base floodplain (100-year flood) elevations of a water course or lake, pursuant to Executive Order 11988 and 23 CFR 650 subpart A?	☐	☑
17	Is the project in a Coastal Area Management Act (CAMA) county and substantially affects the coastal zone and/or any Area of Environmental Concern (AEC)?	☐	☑
18	Does the project require a U.S. Coast Guard (USCG) permit?	☐	☑
19	Does the project involve construction activities in, across, or adjacent to a designated Wild and Scenic River present within the project area?	☐	☑
20	Does the project involve Coastal Barrier Resources Act (CBRA) resources?	☐	☑
21	Does the project impact federal lands (e.g. U.S. Forest Service (USFS), USFWS, etc.) or Tribal Lands?	☐	☑
22	Does the project involve any changes in access control or the modification or construction of an interchange on an interstate?	☐	☑
23	Does the project have a permanent adverse effect on local traffic patterns or community cohesiveness?	☐	☑
24	Will maintenance of traffic cause substantial disruption?	☐	☑
25	Is the project inconsistent with the STIP, and where applicable, the Metropolitan Planning Organization's (MPO's) Transportation Improvement Program (TIP)?	☐	☑
26	Does the project require the acquisition of lands under the protection of Section 6(f) of the Land and Water Conservation Act, the Federal Aid in Fish Restoration Act, the Federal Aid in Wildlife Restoration Act, Tennessee Valley Authority (TVA), Tribal Lands, or other unique areas or special lands that were acquired in fee or easement with public-use money and have deed restrictions or covenants on the property?	☐	☐
27	Does the project involve Federal Emergency Management Agency (FEMA) buyout properties under the Hazard Mitigation Grant Program (HMGP)?	☐	☑
28	Does the project include a *de minimis* or programmatic Section 4(f)?	☑	☐
29	Is the project considered a Type I under the NCDOT Noise Policy?	☑	☐
30	Is there prime or important farmland soil impacted by this project as defined by the Farmland Protection Policy Act (FPPA)?	☐	☑
31	Are there other issues that arose during the project development process that affected the project decision?	☐	☑

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G. Additional Documentation as Required from Section F (ONLY for questions marked 'Yes'):

Question 14. Section 106 Effects

As noted above, an Effects Meeting was held on March 28, 2024 with NCDOT, SHPO, and FHWA, and it was determined that the Preferred Alternative will have No Adverse Effect on the Cooperative Extension, No Effect on the Greensboro FMS No. 9, and No Effect on the Greensboro National Guard Armory. An environmental commitment was provided for the Cooperative Extension to not disturb the brick sign and to maintain the turning radii of vehicles entering and existing the parking lot, which has been included on the Project Commitment Form.

Question 15. GeoEnvironmental Sites of Concern

A GeoEnvironmental Phase I Report was prepared for the project in March 2020. A total of 13 sites of concern were identified within the project study area. Subsequently, Phase II Reports have been prepared for three parcels in September and May 2023. NCDOT GeoEnvironmental provided revised right-of-way recommendations for the parcels in April 2023, which should be followed in accordance with the memorandum. Geoenvironmental reports and recommendations can be found in the project file.

Question 28. Section 4(f)

As noted above, an Effects Meeting was held on March 28, 2024 for three NRHP eligible resources, therefore eligible for Section 4(f) protections. The Preferred Alternative was determined to have No Adverse Effect on the Cooperative Extension, No Effect on the Greensboro FMS No. 9, and No Effect on the Greensboro National Guard Armory. FHWA concurred with the finding of No Adverse Effect and intends to make a de minimis determination with regards to Section 4(f).

A placard for Foushee Park is located on the vegetated island between Market Street, East Bessemer Avenue, and Huffine Mill Road. There is no access to the island for vehicles, pedestrians, or bicyclists via a crossing or driveway. The island consists of grass and trees, but does not contain areas for recreation, and therefore, is not subject to protection under Section 4(f).

Portions of the Otis L. Hairston Middle School property are a potential Section 4(f) resource under applicable federal regulations. According to the Greensboro Parks and Recreation superintendent, local youth sports teams are permitted to use the athletic fields throughout the year (see CCR for additional details). The school is located on the north side of Naco Road east of Franklin Boulevard. Coordination with Otis L. Hairston Middle School was initiated in April 2019 and again in February 2024, where Guilford County Schools stated the Board of Education approved the project's acquisition of right-of-way and easements impacting the school. There were no additional questions or concerns expressed by the school as the only project change was a delay in implementation due to the pursuance of federal funding. The school was notified of the project delay and is making operational plans for the short-term closure of Franklin Boulevard at the existing railroad crossing. A letter was sent on July 18, 2024 noting FHWA's anticipated de minimis determination for the school. This letter was affirmed and subsequently signed by the school on July 22, 2024. See **Attachment 4** for coordination with the school. Additionally, a public notice was posted in three locations at the school in the vicinity of the track on July 25, 2024 requesting feedback. No comments were received over the course of a ten-day comment period. A copy of the public notice is included in **Attachment 4**.

Question 29. Type I Noise Project

Under the Design Year (2040) Build conditions, three receptors are expected to experience noise impacts. Two of these impacts are expected to be caused by predicted traffic noise levels that will approach or exceed NCDOT's and FHWA's noise abatement criteria. However, none of the receptors are impacted due to a substantial traffic noise increase over existing conditions. When combined with predicted rail noise levels for the Design Year conditions, a third receptor will be impacted. See **Figure 4** for Preferred Alternative Impacted Receptors Map.

Based on the project's Traffic & Rail Noise Report, traffic noise abatement is not recommended, and no noise abatement measures are proposed. Two of the three impacted receptors were adjacent to one

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another. Both of these receptors have driveways that enter the roadway against which the noise wall would be aligned and would have restricted access with the placement of a noise wall. Additionally, one of the two receptors is impacted as a result of the combination of traffic and rail noise. Because the rail noise source is to the east of the receptors and the roadway noise source is to the west of the receptor, no noise abatement or mitigation measure would be able to provide a benefit. Therefore, no noise abatement measures were considered for this project.

In accordance with NCDOT Traffic Noise Policy, the Federal/State governments are not responsible for providing noise abatement measures for new development for which building permits are issued after the Date of Public Knowledge. The Date of Public Knowledge of the proposed highway project will be the approval date of the Categorical Exclusion document. NCDOT strongly advocates the planning, design and construction of noise-compatible development and encourages its practice among planners, building officials, developers and others.

The full Traffic Noise Analysis Report is available in the project files.

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PROJECT COMMITMENTS

Franklin Boulevard Grade Separation
T.I.P Number:P-5709
Guilford
Federal Aid Number:
WBS:

COMMITMENTS FROM PROJECT DEVELOPMENT AND DESIGN

Rail - Guilford County Public School System Transportation

In order to minimize potential delays to school buses, NCDOT should coordinate with the Guilford County Public School System's Transportation Department prior to construction.

Rail - North Carolina Cooperative Extension - Section 106

Per the Historic Architecture and Landscape Assessment of Effects Form, and the attached 90% plans, the project will not disturb the brick sign in front of the Guilford County Center, North Carolina Cooperative Extension during construction. The project will maintain the turning radii of vehicles entering and exiting the parking lot during and post construction.

Rail - United States Army Corps of Engineers Permit

It is anticipated that either a US Army Corps of Engineers (USACE) Regional General Permit or Nationwide Permit, and a Section 401 Water Quality Certification (WQC) from the NC Division of Water Resources (DWR) will be needed for the project prior to construction. The regulatory permitting agencies hold the final discretion as to what permits will be required to authorize project construction.

COMMITMENTS FROM PERMITTING

No commitments developed during project permitting.

*****END OF PROJECT COMMITMENTS*****

Franklin Boulevard Grade Separation

Docusign Envelope ID: A3657950-7A31-4F3B-8BF9-AD3BEB5BF1DE

I. Categorical Exclusion Approval:

STIP Project No.	**P-5709**
WBS Element	46920.1.1
Federal Project No.	N/A

Prepared By:

8/9/2024 — Date

Jeffrey Dayton — Jeffrey Dayton, Project Manager
HDR Engineering, Inc. of the Carolinas

Prepared For: NCDOT Rail Division

Reviewed By:

8/9/2024 — Date

Christa Greene — Christa Greene, NCDOT Rail Project Development Engineer
North Carolina Department of Transportation – Rail Division

☑ **Approved**

- If NO grey boxes are checked in Section F (pages 2 and 3), NCDOT approves the Type I or Type II Categorical Exclusion.

☐ **Certified**

- If ANY grey boxes are checked in Section F (pages 2 and 3), NCDOT certifies the Type I or Type II Categorical Exclusion for FHWA approval.
- If classified as Type III Categorical Exclusion.

8/19/2024 — Date

Anamika Laad — Anamika Laad, NCDOT Rail Project Development Manager
North Carolina Department of Transportation

FHWA Approved: For Projects Certified by NCDOT (above), FHWA signature required.

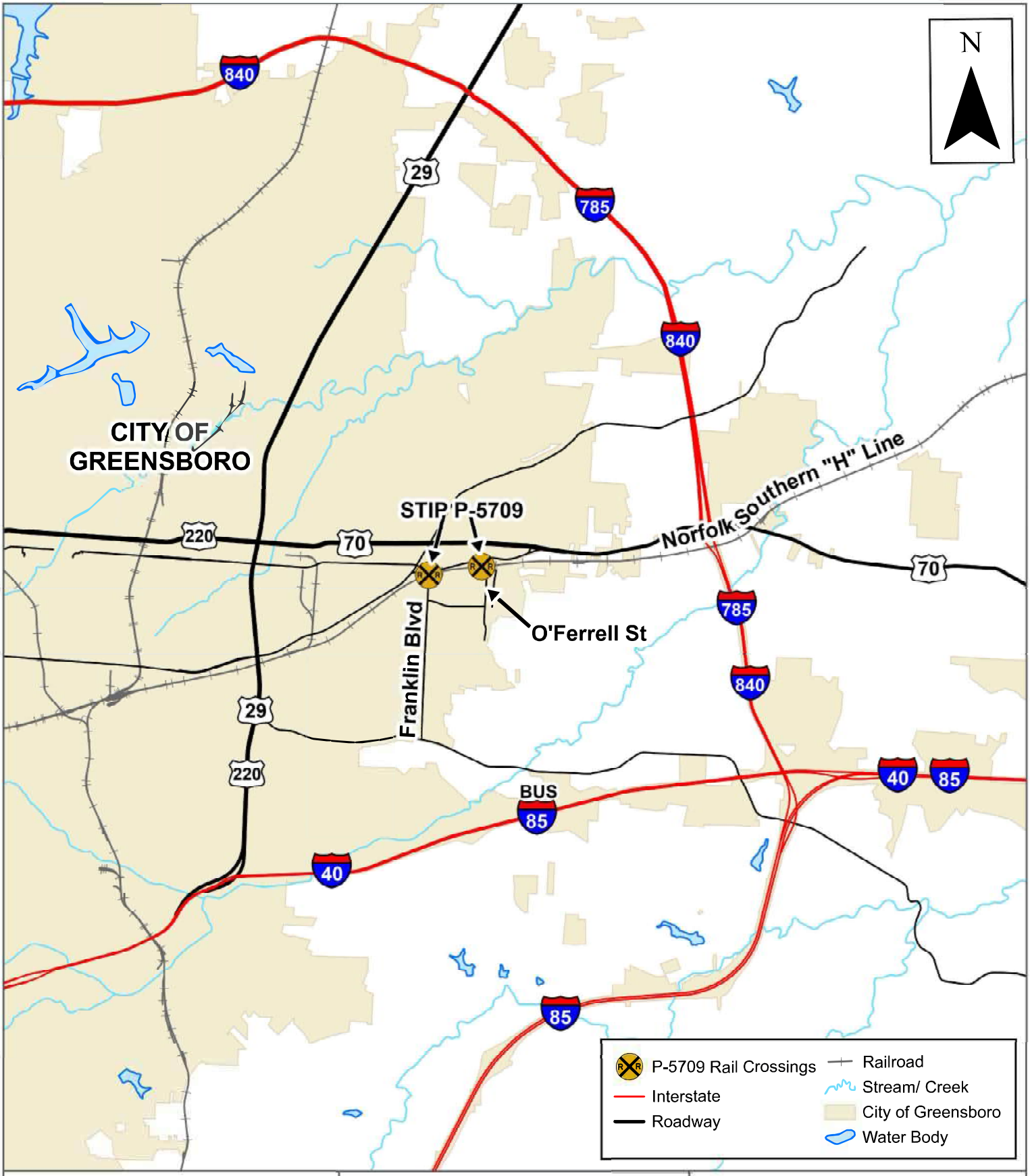
Date — *for* Yolonda K. Jordan, Division Administrator
Federal Highway Administration

Note: Prior to ROW or Construction authorization, a consultation may be required (please see Section VII of the NCDOT-FHWA CE Programmatic Agreement for more details).

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FIGURES

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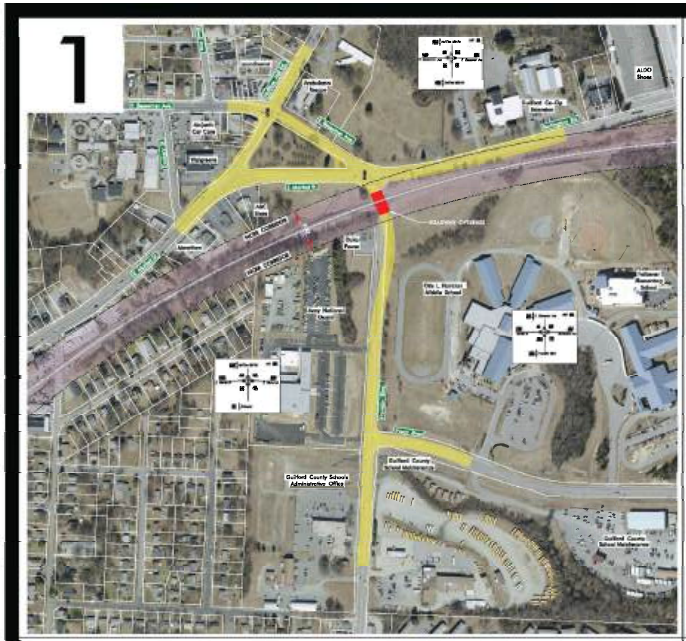
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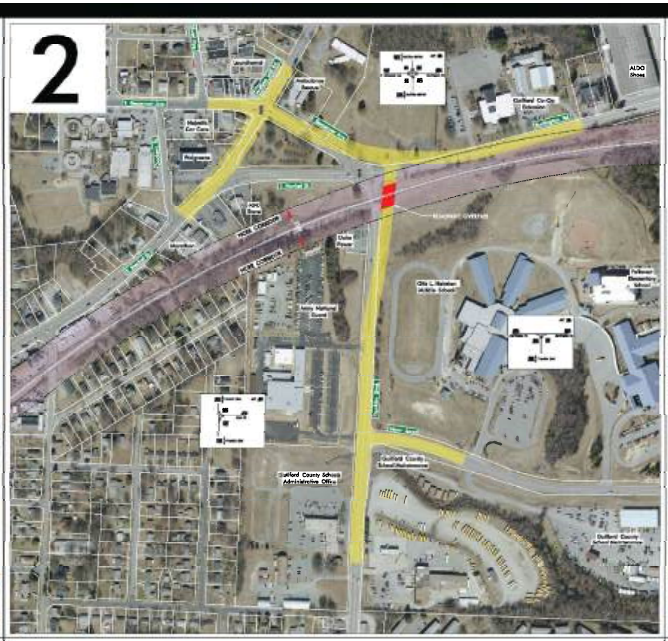


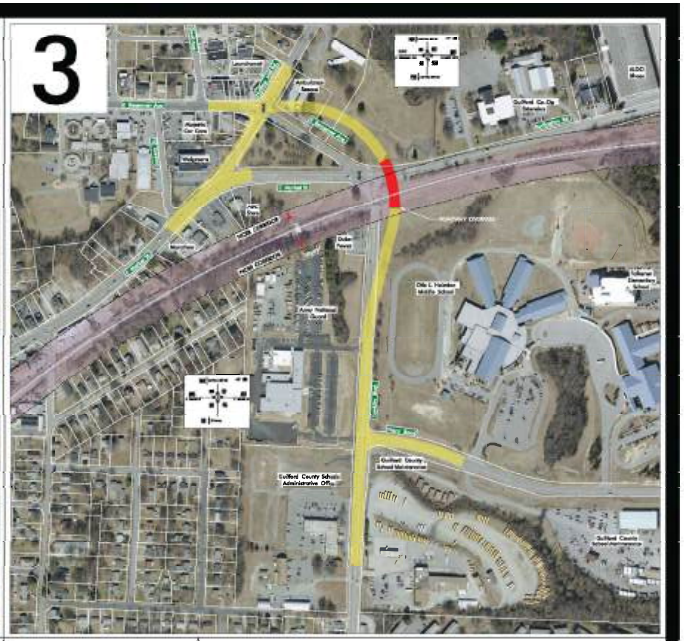
NCDOT RAIL DIVISION

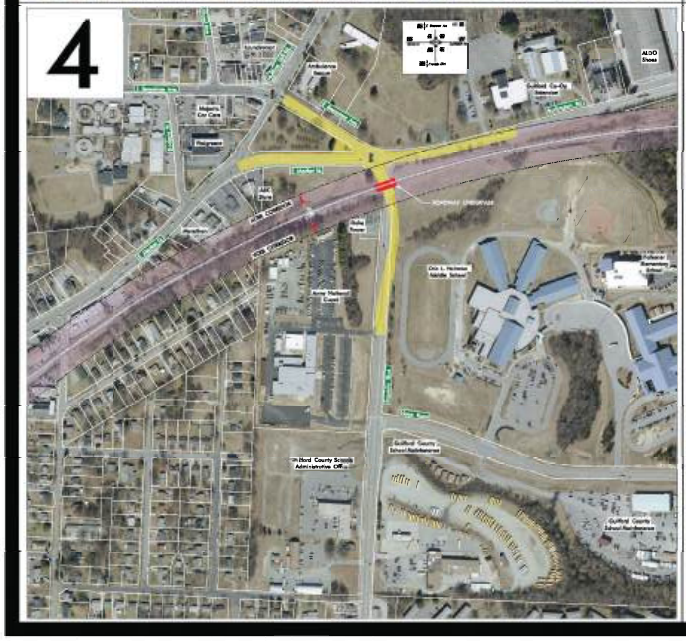
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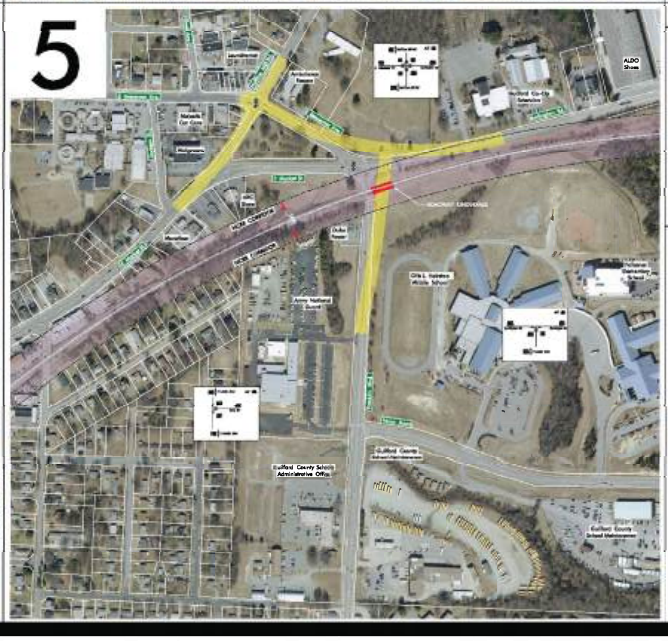
PROJECT VICINITY MAP
STIP P-5709
Franklin Blvd Grade Separation
O'Ferrell Street Crossing Closure along
Norfolk Southern "H" Line
Greensboro, Guilford County
Figure 1 / April 2024





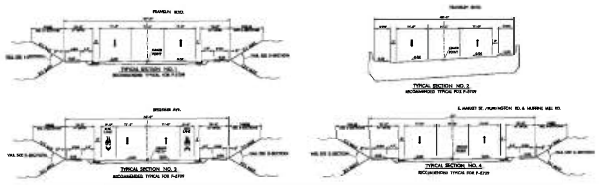




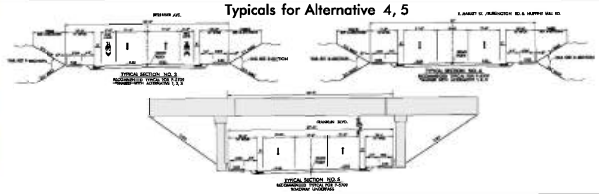


TYPICALS PROVIDED TO SHOW SHOULDER DETAILS. NUMBER OF LANES SUBJECT TO CHANGE

Typicals for Alternative 1, 2, 3



Typicals for Alternative 4, 5



100 0 100 200

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

NOTE: CONCEPTUAL DESIGN SUBJECT TO CHANGE WITHOUT NOTICE

LEGEND

- PROPOSED STRUCTURES
- PROPOSED ROADWAY CORRIDOR
- NCRR RIGHT OF WAY
- PROPERTY LINES
- EXISTING TRAFFIC SIGNAL

PUBLIC MEETING MAP

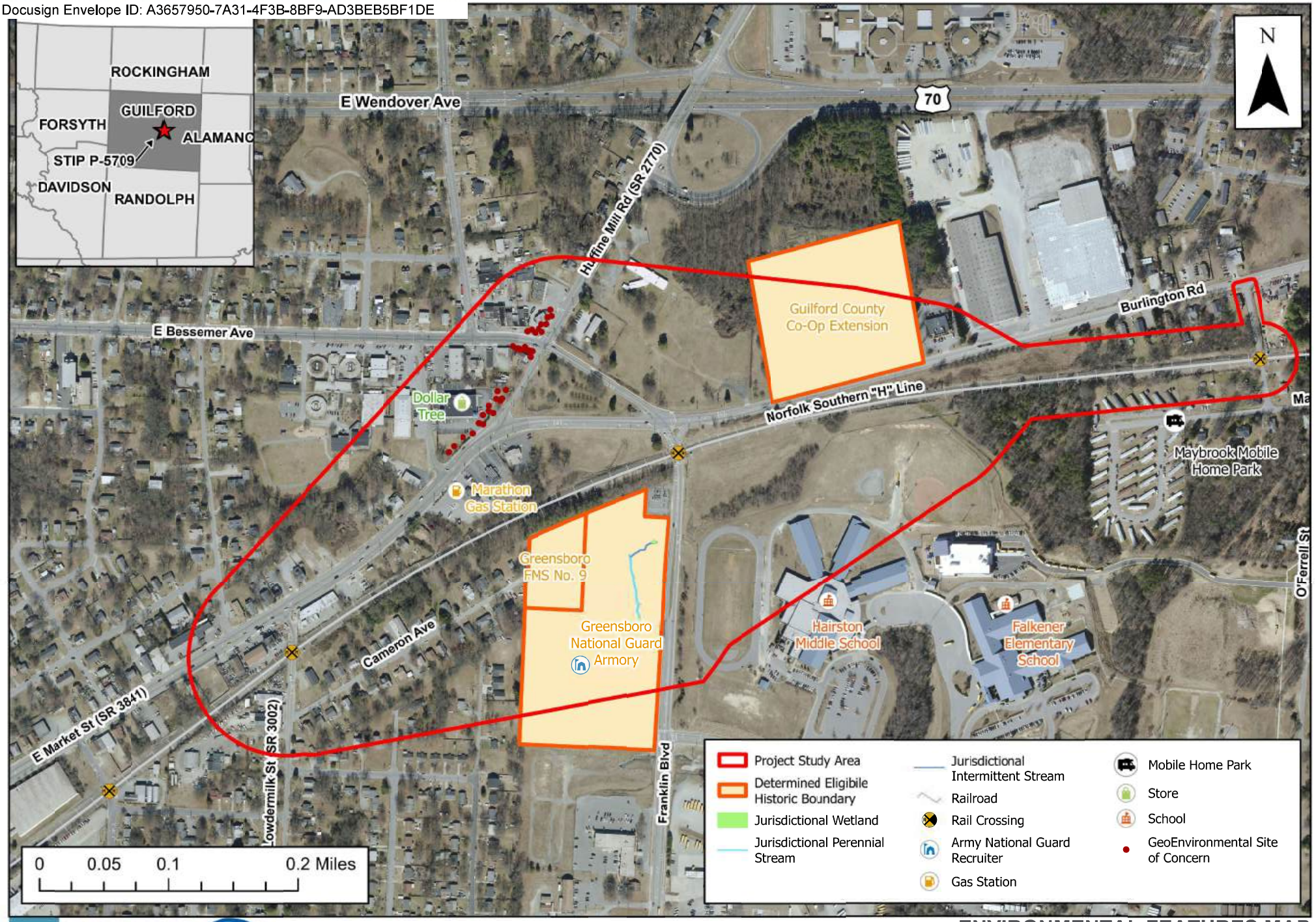
PROJECT TIP No. P-5709

FRANKLIN BOULEVARD GRADE SEPARATION

Figure 2

NOVEMBER 2017

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NCDOT RAIL DIVISION

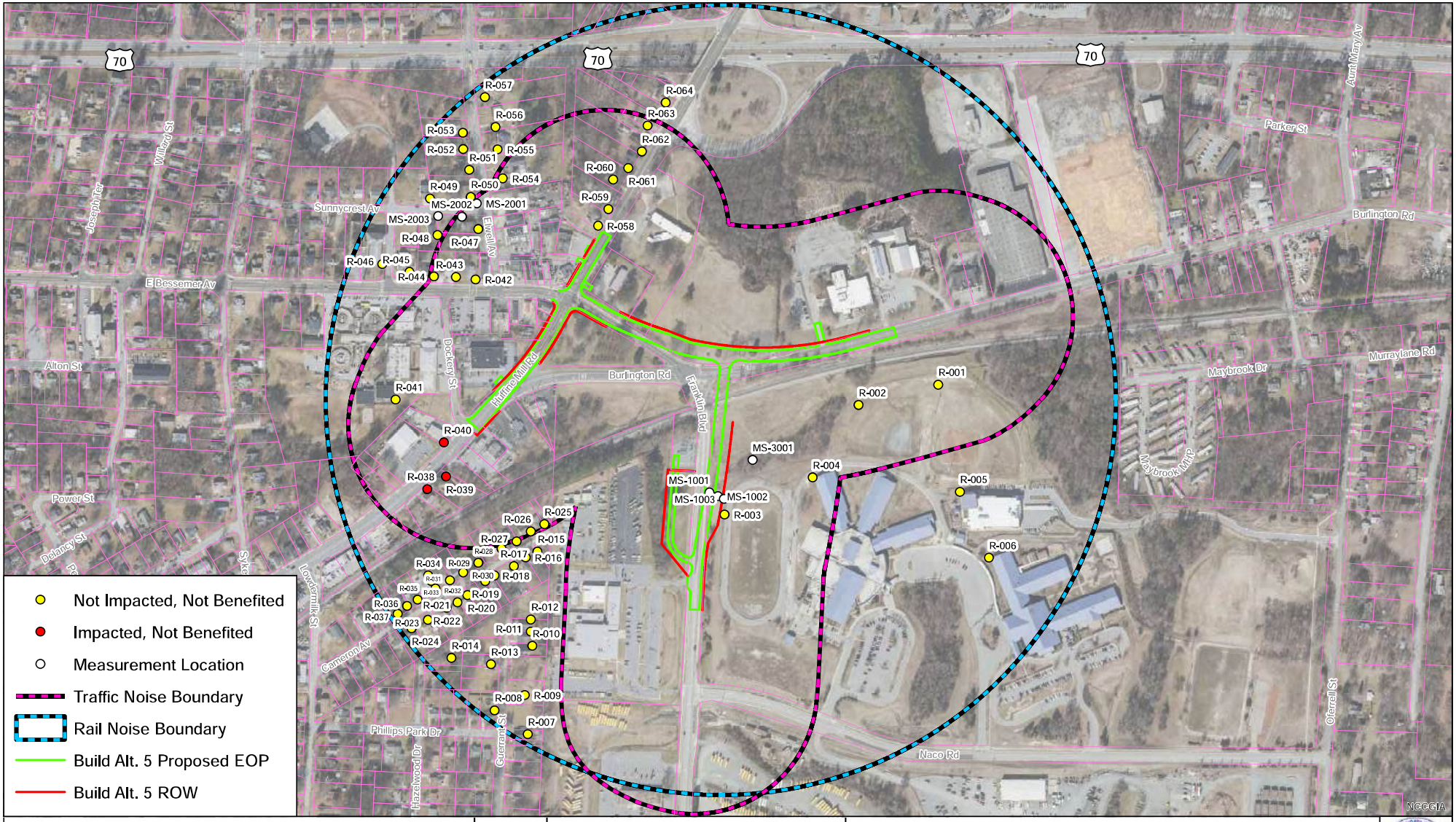
ENVIRONMENTAL FEATURES MAP

STIP P-5709

GUILFORD COUNTY

FIGURE 3

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0 250 500 1,000 1,500 Feet

Project Study Area

Build Alt. 5

Franklin Boulevard Grade Separation
STIP P-5709
Guilford County

Figure 4
April 2020

4/13/2020

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ATTACHMENT 1: 90% PLAN SET

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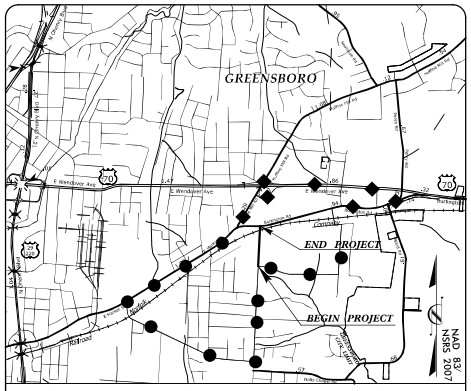
09/08/99

CONTRACT:

TIP PROJECT: P-5709

See Sheet 1A for For Index of Sheets
See Sheet 1B For Conventional Symbols

PLFI PLANS



VICINITY MAP
FRANKLIN BLVD OFFSITE DETOUR
BURLINGTON RD OFFSITE DETOUR

STATE OF NORTH CAROLINA
RAIL DIVISION

GUILFORD COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	P-5709	1	

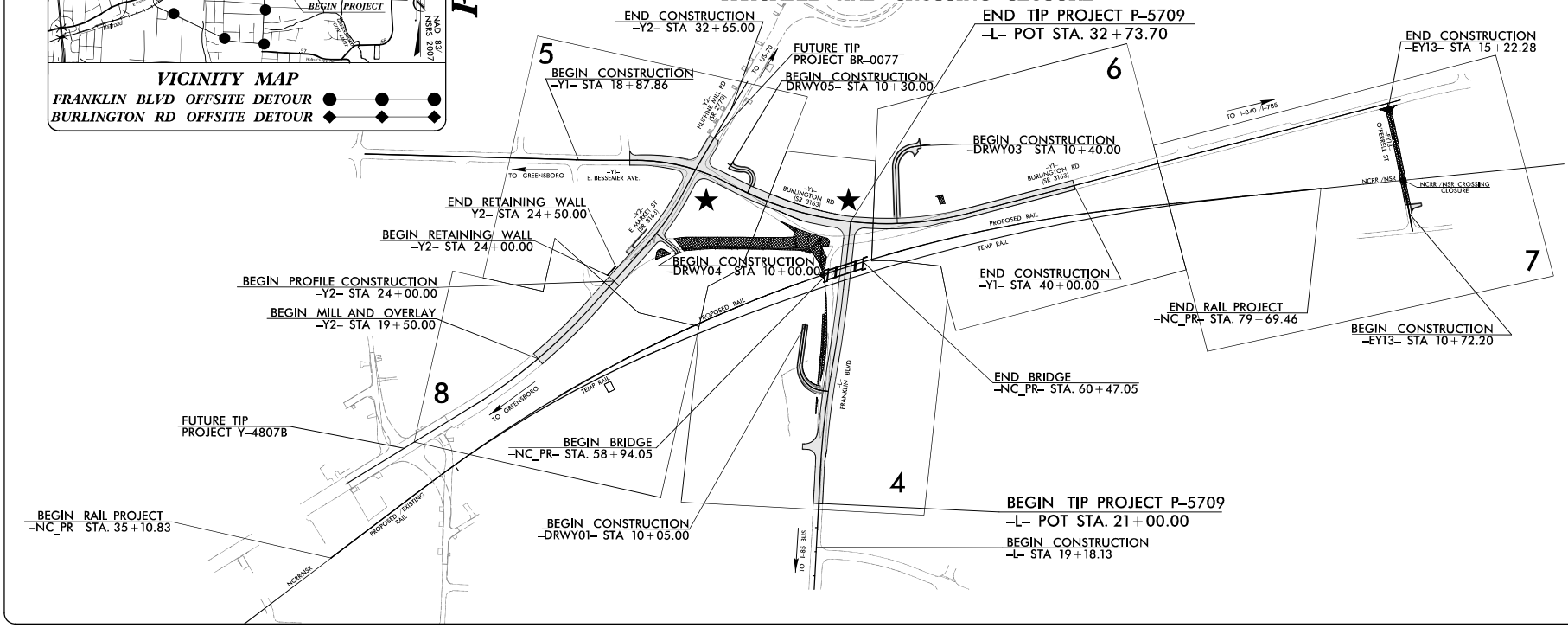
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
46920.1.1		PE
46920.2.1		RW
46920.2.2		UTIL.

NAD 83/ NSRS 2007

★ PROPOSED TRAFFIC SIGNAL

LOCATION: *GRADE SEPARATION AT FRANKLIN BOULEVARD CROSSING (722959A) IN GREENSBORO, AND CLOSE O'FERRELL STREET CROSSING (MP 003.49-NC) (722961B) AT NCRR/NSR*

TYPE OF WORK: *GRADING, DRAINAGE, PAVING, STRUCTURE, SIGNALS, RETAINING WALL, TRACKBED AND CROSSING CLOSURE*



GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

DESIGN DATA

ADT 2024 = 10,237
ADT 2044 = 11,568
V = 40 MPH

NOTE: NO TRAFFIC FORECAST WILL BE PERFORMED

FUNC CLASS = URBAN MAJOR COLLECTOR REGIONAL TIER

PROJECT LENGTH

LENGTH OF ROADWAY T.I.P. PROJECT P-5709 =	0.222 MILES
LENGTH OF RAIL T.I.P. PROJECT P-5709 =	0.840 MILES
LENGTH OF STRUCTURES T.I.P. PROJECT P-5709 =	0.029 MILES
TOTAL LENGTH OF T.I.P. PROJECT P-5709 =	1.091 MILES

Prepared In the Office of:
HNTB
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License Not C-1554

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: JUNE 10, 2022

LETTING DATE: APRIL 16, 2024

DOUGLAS M. WHEATLEY, PE
PROJECT ENGINEER

THORNE KING, EI
PROJECT DESIGN ENGINEER

BRAD SMYTHE, PE
NCDOT CONTACT

HYDRAULICS ENGINEER

PAUL CAMERON P.E.
SIGNATURE:

ROADWAY DESIGN ENGINEER

DOUGLAS M. WHEATLEY P.E.
SIGNATURE:

NC DEPARTMENT OF TRANSPORTATION
RAIL DIVISION
DESIGN AND CONSTRUCTION

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9/10/2021

PROJECT REFERENCE NO.	SHEET NO.
P-5709	1B

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS
CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale

BOUNDARIES AND PROPERTY:

- State Line
- County Line
- Township Line
- City Line
- Reservation Line
- Property Line
- Existing Iron Pin (EIP)
- Computed Property Corner
- Existing Concrete Monument (ECM)
- Parcel/Sequence Number
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary
- Proposed Wetland Boundary
- Existing Endangered Animal Boundary
- Existing Endangered Plant Boundary
- Existing Historic Property Boundary
- Known Contamination Area: Soil
- Potential Contamination Area: Soil
- Known Contamination Area: Water
- Potential Contamination Area: Water
- Contaminated Site: Known or Potential

BUILDINGS AND OTHER CULTURE:

- Gas Pump Vent or U/G Tank Cap
- Sign
- Well
- Small Mine
- Foundation
- Area Outline
- Cemetery
- Building
- School
- Church
- Dam

HYDROLOGY:

- Stream or Body of Water
- Hydro, Pool or Reservoir
- Jurisdictional Stream
- Buffer Zone 1
- Buffer Zone 2
- Flow Arrow
- Disappearing Stream
- Spring
- Wetland
- Proposed Lateral, Tail, Head Ditch
- False Sump

RAILROADS:

- Standard Gauge
- RR Signal Milepost
- Switch
- RR Abandoned
- RR Dismantled

RIGHT OF WAY & PROJECT CONTROL:

- Primary Horiz Control Point
- Primary Horiz and Vert Control Point
- Secondary Horiz and Vert Control Point
- Vertical Benchmark
- Existing Right of Way Monument
- Proposed Right of Way Monument (Rebar and Cap)
- Proposed Right of Way Monument (Concrete)
- Existing Permanent Easement Monument
- Proposed Permanent Easement Monument (Rebar and Cap)
- Existing C/A Monument
- Proposed C/A Monument (Rebar and Cap)
- Proposed C/A Monument (Concrete)
- Existing Right of Way Line
- Proposed Right of Way Line
- Existing Control of Access Line
- Proposed Control of Access Line
- Proposed ROW and CA Line
- Existing Easement Line
- Proposed Temporary Construction Easement
- Proposed Temporary Drainage Easement
- Proposed Permanent Drainage Easement
- Proposed Permanent Drainage/Utility Easement
- Proposed Permanent Utility Easement
- Proposed Temporary Utility Easement
- Proposed Aerial Utility Easement

ROADS AND RELATED FEATURES:

- Existing Edge of Pavement
- Existing Curb
- Proposed Slope Stakes Cut
- Proposed Slope Stakes Fill
- Proposed Curb Ramp
- Existing Metal Guardrail
- Proposed Guardrail
- Existing Cable Guiderail
- Proposed Cable Guiderail
- Equality Symbol
- Pavement Removal

VEGETATION:

- Single Tree
- Single Shrub
- Hedge
- Woods Line
- Orchard
- Vineyard

EXISTING STRUCTURES:

MAJOR:

- Bridge, Tunnel or Box Culvert
- Bridge Wing Wall, Head Wall and End Wall

MINOR:

- Head and End Wall
- Pipe Culvert
- Footbridge
- Drainage Box: Catch Basin, DI or JB
- Paved Ditch Gutter
- Storm Sewer Manhole
- Storm Sewer

UTILITIES:

** SUE – Subsurface Utility Engineering*
LOS – Level of Service – A,B,C or D (Accuracy)

POWER:

- Existing Power Pole
- Proposed Power Pole
- Existing Joint Use Pole
- Proposed Joint Use Pole
- Power Manhole
- Power Line Tower
- Power Transformer
- U/G Power Cable Hand Hole
- H-Frame Pole
- U/G Power Line Test Hole (SUE – LOS A)*
- U/G Power Line (SUE – LOS B)*
- U/G Power Line (SUE – LOS C)*
- U/G Power Line (SUE – LOS D)*

TELEPHONE:

- Existing Telephone Pole
- Proposed Telephone Pole
- Telephone Manhole
- Telephone Pedestal
- Telephone Cell Tower
- U/G Telephone Cable Hand Hole
- U/G Telephone Test Hole (SUE – LOS A)*
- U/G Telephone Cable (SUE – LOS B)*
- U/G Telephone Cable (SUE – LOS C)*
- U/G Telephone Cable (SUE – LOS D)*
- U/G Telephone Conduit (SUE – LOS B)*
- U/G Telephone Conduit (SUE – LOS C)*
- U/G Telephone Conduit (SUE – LOS D)*
- U/G Fiber Optics Cable (SUE – LOS B)*
- U/G Fiber Optics Cable (SUE – LOS C)*
- U/G Fiber Optics Cable (SUE – LOS D)*

WATER:

- Water Manhole
- Water Meter
- Water Valve
- Water Hydrant
- U/G Water Line Test Hole (SUE – LOS A)*
- U/G Water Line (SUE – LOS B)*
- U/G Water Line (SUE – LOS C)*
- U/G Water Line (SUE – LOS D)*
- Above Ground Water Line

TV:

- TV Pedestal
- TV Tower
- U/G TV Cable Hand Hole
- U/G TV Test Hole (SUE – LOS A)*
- U/G TV Cable (SUE – LOS B)*
- U/G TV Cable (SUE – LOS C)*
- U/G TV Cable (SUE – LOS D)*
- U/G Fiber Optic Cable (SUE – LOS B)*
- U/G Fiber Optic Cable (SUE – LOS C)*
- U/G Fiber Optic Cable (SUE – LOS D)*

GAS:

- Gas Valve
- Gas Meter
- U/G Gas Line Test Hole (SUE – LOS A)*
- U/G Gas Line (SUE – LOS B)*
- U/G Gas Line (SUE – LOS C)*
- U/G Gas Line (SUE – LOS D)*
- Above Ground Gas Line

SANITARY SEWER:

- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- U/G Sanitary Sewer Line
- Above Ground Sanitary Sewer
- SS Force Main Line Test Hole (SUE – LOS A)*
- SS Force Main Line (SUE – LOS B)*
- SS Force Main Line (SUE – LOS C)*
- SS Force Main Line (SUE – LOS D)*

MISCELLANEOUS:

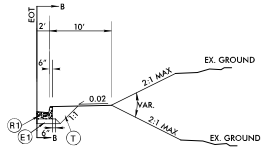
- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box
- Utility Unknown U/G Line (SUE – LOS B)*
- U/G Tank; Water, Gas, Oil
- Underground Storage Tank, Approx. Loc.
- A/G Tank; Water, Gas, Oil
- Geoenvironmental Boring
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

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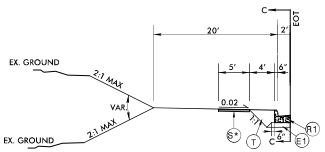
FINAL PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. PLACED IN TWO LAYERS.
C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 1.5" IN DEPTH OR GREATER THAN 2" IN DEPTH.
D1	PROP. APPROX. 4" ASPHALT CONCRETE SURFACE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
D2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2.5" IN DEPTH OR GREATER THAN 4" IN DEPTH.
E1	PROP. APPROX. 4" ASPHALT CONCRETE SURFACE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5.5" IN DEPTH.
J	PROP 6" AGGREGATE BASE COURSE
K	PROP 5" CLASS IV AGGREGATE STABILIZATION
P	PRIME COAT
R1	2'-6" CONCRETE CURB AND GUTTER
R2	5" MONOLITHIC CONCRETE ISLAND (KEYED IN)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V	MILLING BITUMINOUS PAVEMENT 1.5"
W	VARIABLE DEPTH ASPHALT PAVEMENT, (SEE DETAIL SHOWING METHOD OF WEDGING NO. 1 ON THIS SHEET)

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE NOTED.



TYPICAL SECTION NO. 5B (BB)
–Y1– STA. 34+25.00 TO STA. 40+00.00



TYPICAL SECTION NO. 5C (CC)
–Y1– STA. 29+80.00 TO STA. 30+93.00

NOTE:
1. SAWCUT WHEN PROPOSED CURB AND GUTTER IS WITHIN 2' OF EXISTING PAVEMENT.
2. SEE PLANS FOR SUPERELEVATIONS, TURN LANES, MONOLITHIC ISLANDS, CURB AND GUTTER, AND LANE TAPER LOCATIONS.

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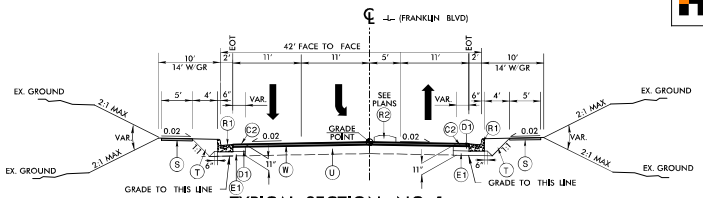
HNTB
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
P-5709	2A-1

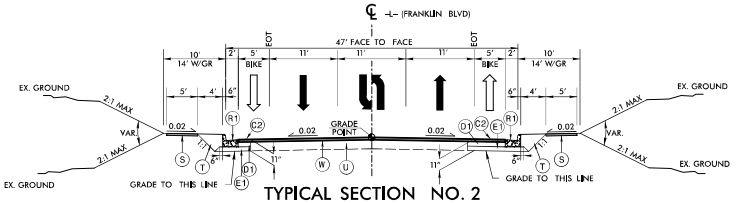
ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 36786 ENGINEER DOUGLAS W. WHEELER

PAVEMENT DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 22896 ENGINEER CLARK S. MORRISON

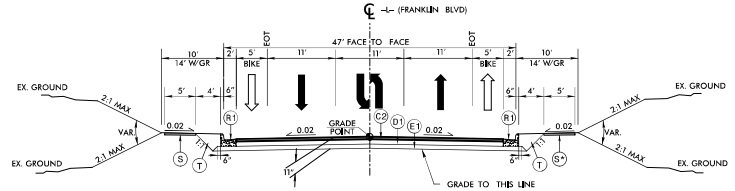
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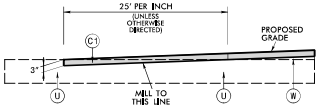
TYPICAL SECTION NO. 1
–L– STA. 21+00.00 TO STA. 22+76.75



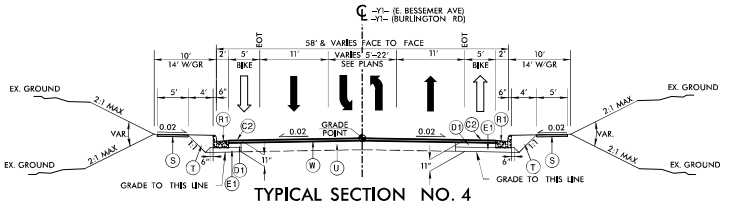
TYPICAL SECTION NO. 2
–L– STA. 22+76.75 TO STA. 26+35.00



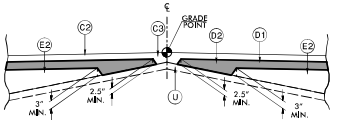
TYPICAL SECTION NO. 3
–L– STA. 26+35.00 TO STA. 32+41.20



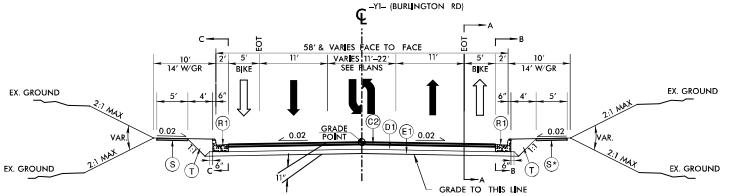
INCIDENTAL MILLING
TO BE USED AT ALL TIE-IN LOCATIONS



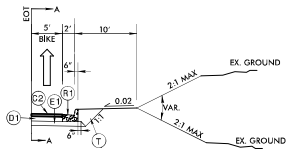
TYPICAL SECTION NO. 4
–Y1– STA. 21+00.00 TO STA. 26+20.00
–Y1– STA. 37+75.00 TO STA. 40+00.00



Detail Showing Method of Wedging No. 1



TYPICAL SECTION NO. 5
–Y1– STA. 26+20.00 TO STA. 37+75.00



TYPICAL SECTION NO. 5A (AA)
*–Y1– STA. 31+15.89 TO STA. 34+25.00

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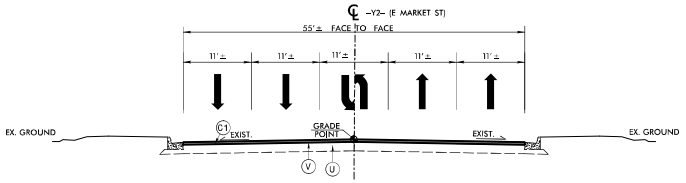
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343 E. Six Forks Road, Suite 200
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PROJECT REFERENCE NO.	SHEET NO.
P-5709	2A-2

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 36786 ENGINEER DOUGLAS W. WHEELER

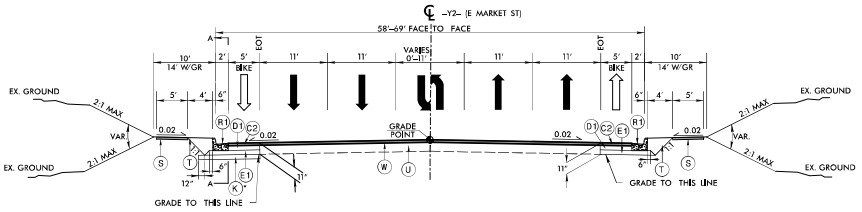
PAVEMENT DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 22896 ENGINEER CARL S. MORRISON

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TYPICAL SECTION NO. 6

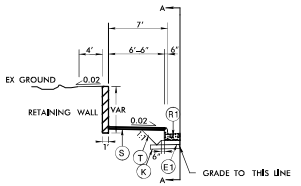
-Y2- STA. 19+50.00 TO STA. 24+00.00



* SHALLOW UNDERCUT
-Y2- STA. 24+00 TO 25+75 LT.

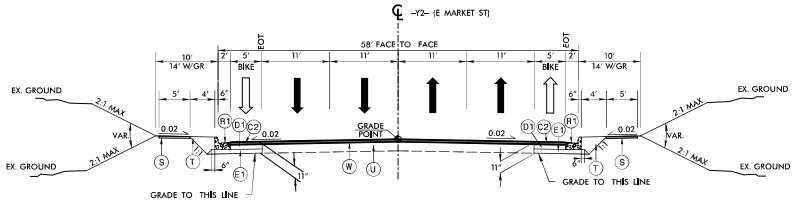
TYPICAL SECTION NO. 7

-Y2- STA. 24+00.00 TO STA. 25+50.00



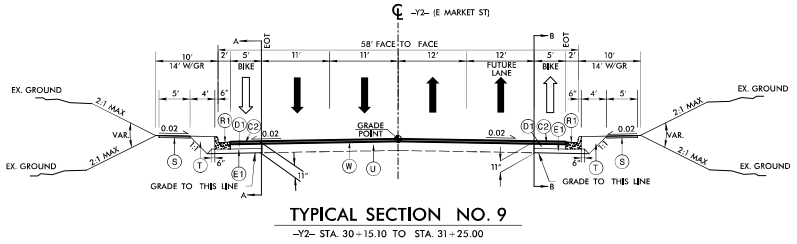
TYPICAL SECTION NO. 7A (AA)

-Y2- STA. 24+00.00 TO 24+50.17 (LT)



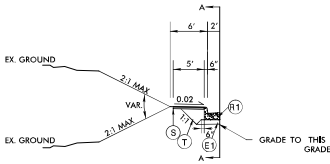
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-Y2- STA. 25+50.00 TO STA. 29+51.78



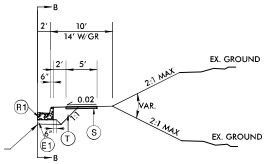
TYPICAL SECTION NO. 9

-Y2- STA. 30+15.10 TO STA. 31+25.00



TYPICAL SECTION NO. 9A (AA)

-Y2- STA. 30+07.06 TO 31+25.00 (LT)



TYPICAL SECTION NO. 9B (BB)

-Y2- STA. 30+78.44 TO 31+25.00 (RT)

FINAL PAVEMENT SCHEDULE	
C1	1.5" S9.5B
C2	3" S9.5B
C3	VAR. DEPTH S9.5B
D1	4" I19.0C
D2	VAR. DEPTH I19.0C
E1	4" B25.0C
E2	VAR. DEPTH B25.0C
J	6" ABC
K	PROP 5" CLASS IV AGGREGATE STABILIZATION
P	PRIME COAT
R1	2'-6" CONCRETE CURB AND GUTTER.
R2	5" MONOLITHIC CONCRETE ISLAND (KEYED IN)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT.
V	MILLING BITUMINOUS PAVEMENT 1.5"
W	WEDGING METHOD NO. 1 - SEE SHEET 2A-1

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

NOTE:
1. SAWCUT WHEN PROPOSED CURB AND GUTTER IS WITHIN 2' OF EXISTING PAVEMENT.
2. SEE PLANS FOR SUPERELEVATIONS, TURN LANES, MONOLITHIC ISLANDS, CURB AND GUTTER, AND LANE TAPER LOCATIONS.

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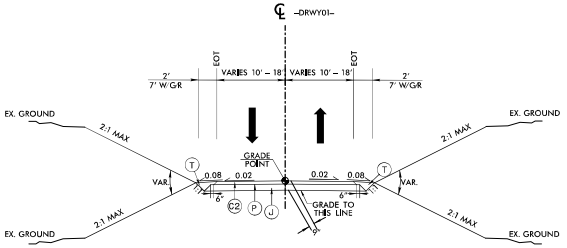
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343 E. Six Forks Road, Suite 200
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PROJECT REFERENCE NO.	SHEET NO.
P-5709	2A-3

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 36786 ENGINEER DOUGLAS W. WHEELER

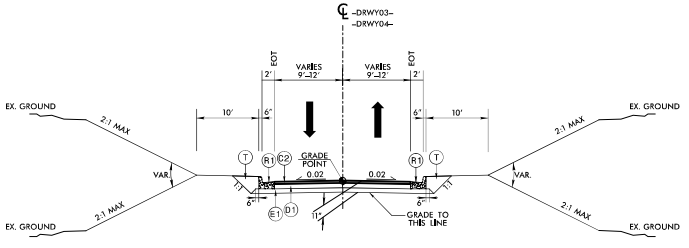
PAVEMENT DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 22896 ENGINEER CLARK S. MORRISON

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



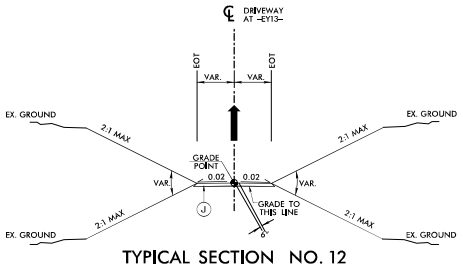
TYPICAL SECTION NO. 10

–DRWY01– STA. 10+05.00 TO STA. 13+19.01
–DRWY05– STA. 10+14.00 TO STA. 11+50.00



TYPICAL SECTION NO. 11

–DRWY03– STA. 10+40.00 TO STA. 13+91.51
–DRWY04– STA. 10+00.00 TO STA. 10+95.93



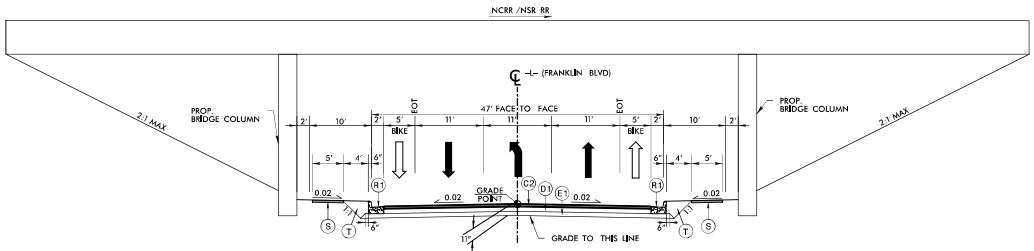
TYPICAL SECTION NO. 12

DRIVEWAY AT –EY13– STA. 10+00.9 RT.

C1	1.5" S9.5B
C2	3" S9.5B
C3	VAR. DEPTH S9.5B
D1	4" I19.0C
D2	VAR. DEPTH I19.0C
E1	4" B25.0C
E2	VAR. DEPTH B25.0C
J	6" ABC
K	PROP 5" CLASS IV AGGREGATE STABILIZATION
P	PRIME COAT
R1	2'-6" CONCRETE CURB AND GUTTER.
R2	5" MONOLITHIC CONCRETE ISLAND (KEYED IN)
S	4" CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT.
V	MILLING BITUMINOUS PAVEMENT 1.5"
W	WEDGING METHOD NO. 1 - SEE SHEET 2A-1

FINAL PAVEMENT SCHEDULE

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



TYPICAL SECTION UNDER STRUCTURE NO. 13

ROADWAY UNDERPASS (ROAD UNDER RAIL)
–L– STA. 30+55.17 TO STA. 31+21.34

NOTE:
1. SAWCUT WHEN PROPOSED CURB AND GUTTER IS WITHIN 2' OF EXISTING PAVEMENT.
2. SEE PLANS FOR SUPERELEVATIONS, TURN LANES, MONOLITHIC ISLANDS, CURB AND GUTTER, AND LANE TAPER LOCATIONS.

07-SEP-2023 17:16
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PROJECT REFERENCE NO.	SHEET NO.
P-5709	2B-1
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER

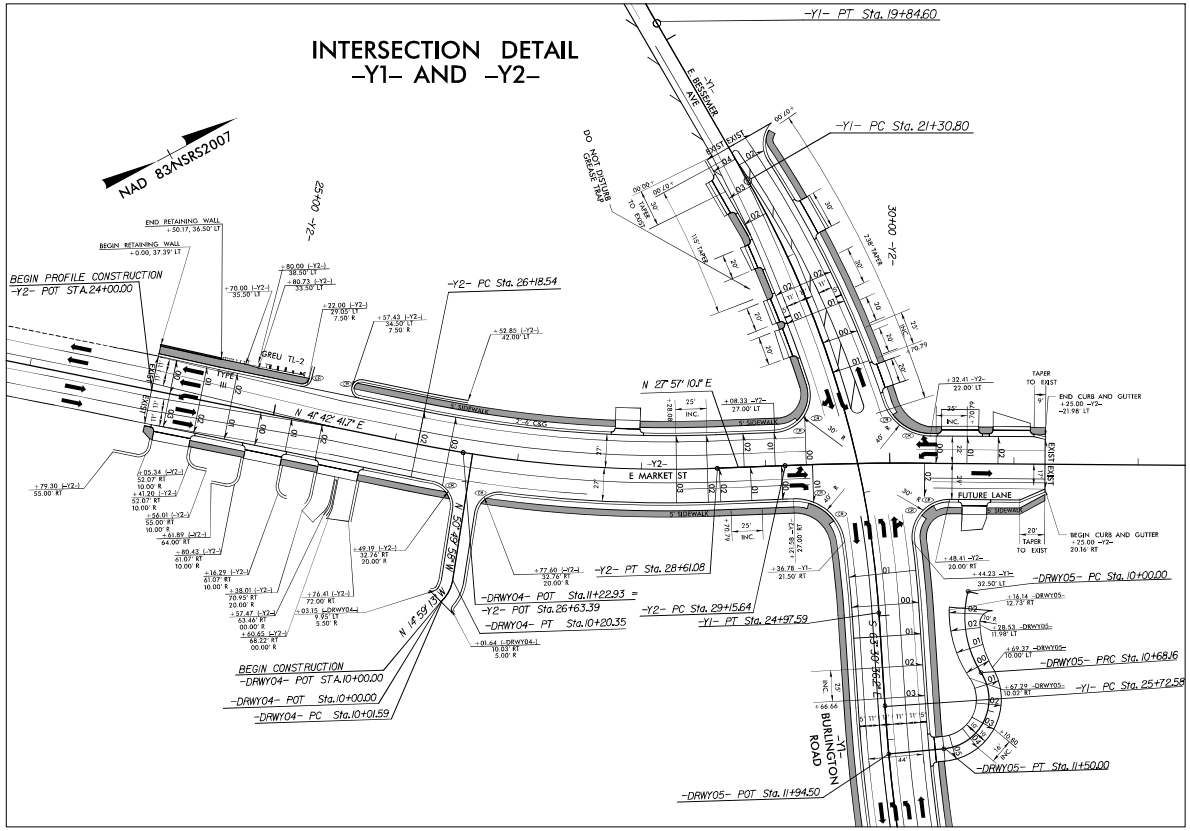
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36786 DOUGLAS M. WIBLEY

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

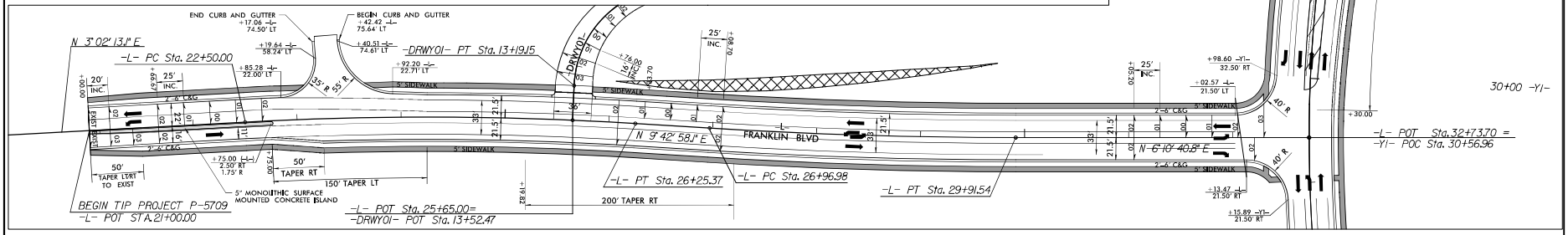
50 25 0 50 100
PLANS

PROPOSED SIDEWALK
PROPOSED PAVEMENT REMOVAL

INTERSECTION DETAIL
–Y1– AND –Y2–



MONOLITHIC ISLAND DETAILS
INTERSECTION DETAIL
–L– AND –Y1–



NOTE:
1. ALL OUTSIDE CURB & GUTTER ARE 2'–6" UNLESS OTHERWISE NOTED.

FOR –L– PLAN VIEW, SEE SHEET 4
FOR –Y1– PLAN VIEW, SEE SHEET 6
FOR –Y2– PLAN VIEW, SEE SHEET 5

8/17/99

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PROJECT REFERENCE NO.	SHEET NO.
P-5709	2B-2
RW SHEET NO.	

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 36786 ENGINEER DOUGLAS M. WHEELER

HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

O'FERRELL STREET CROSSING CLOSURE DETAIL

LEGEND

- OBLITERATE EXISTING PAVEMENT
- PAVEMENT TO BE REMOVED BY NSR

INSTALL PROPOSED GUARDRAIL

PAVEMENT WITHIN 5' FROM CENTERLINE OF EXISTING TRACK AND GRADE CROSSING SURFACE TO BE REMOVED BY NSR

REMOVE EXISTING PAVEMENT

OM4-3 18'' X 18''

EXISTING LIGHTS AND GATE TO BE REMOVED BY NSR

RETAIN EXISTING PIPE

NEATLY SAWCUT EXISTING PAVEMENT TO MATCH EXISTING EDGE OF PAVEMENT

NEATLY SAWCUT EXISTING PAVEMENT

EXISTING SIGNAL CANTILEVER, LIGHTS AND GATE TO BE REMOVED BY NSR

GRADE DITCHES THRU EXISTING ROADWAY ROADBED AND MAINTAIN POSITIVE DRAINAGE

REMOVE EXISTING RAILROAD WARNING SIGN (W10-1)

100.25' 200' 99.75'

100.2' 200' 99.8'

5' 5'

NCRR CORRIDOR

NS MAINLINE TRACKS

BURLINGTON RD -Y1-

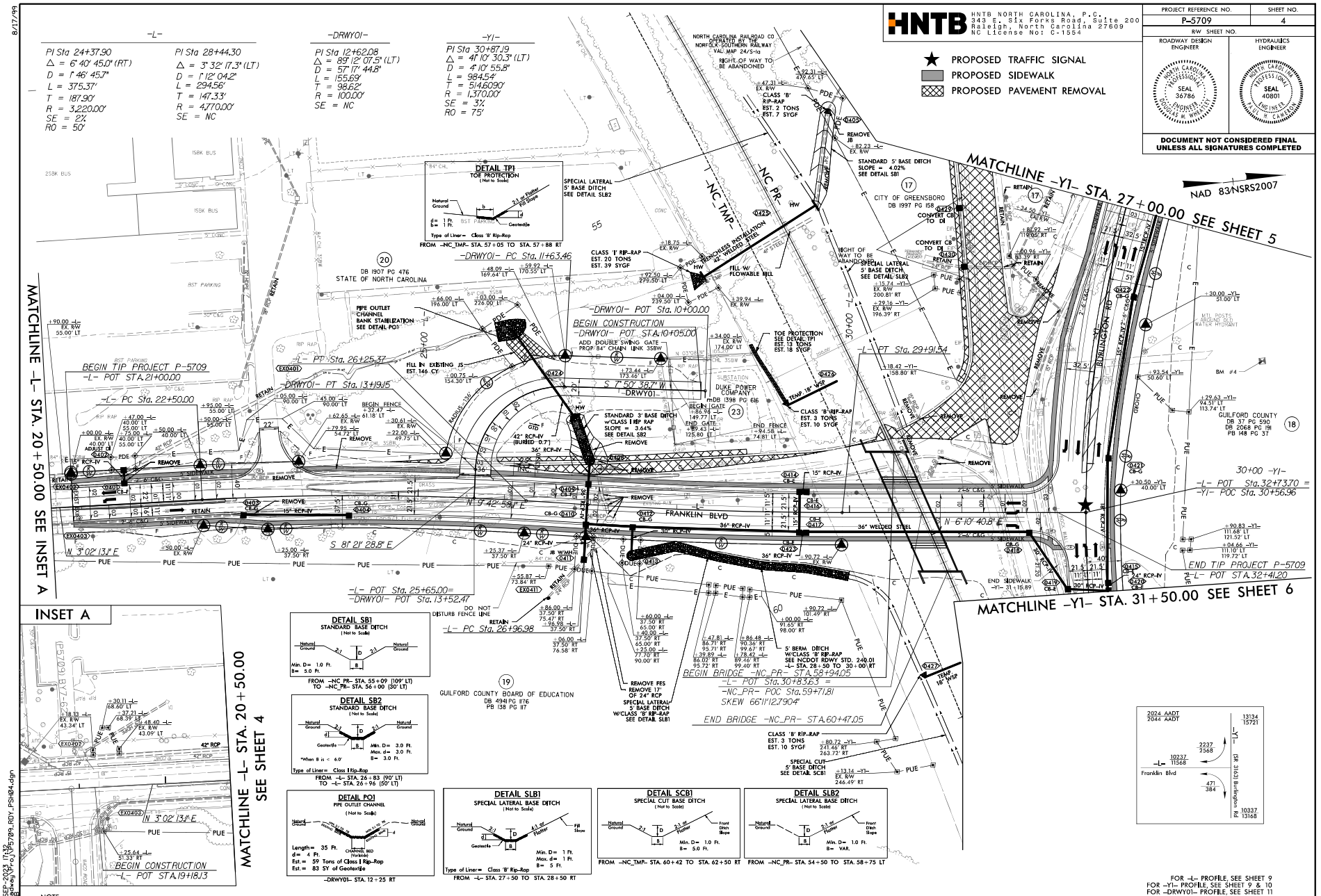
NOTES:

1. CONTACT THE RAIL DIVISION PROJECT ENGINEER TO SCHEDULE THE CLOSURE OF O'FERRELL STREET.
2. THE EXISTING PAVEMENT, TIMER, AND RAIL SEAL FLANGES INSIDE THE NCRR RR BALLAST LINE WILL BE REMOVED BY NSR.
3. CONTRACTOR SHALL SEED AND MULCH THE DISTURBED AREA OUTSIDE THE RAILROAD BALLAST LINE.
4. CONTRACTOR SHALL CONTACT NORTH CAROLINA 811 TO LOCATE ALL UNDERGROUND UTILITIES IN THE WORK AREA.
5. CONTRACTOR SHALL REMOVE EXISTING ROADBED AND GRADE AREA TO MATCH ADJACENT TOPOGRAPHY AND GRADE EXISTING DITCHED TO DRAIN. ANY EXISTING CULVERTS IN THE RAILROAD DITCHES SHALL BE REMOVED AS WELL. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER ON HAULING AWAY ANY ASPHALT LEFT BY THE REMOVAL BY OTHERS.
6. ALL WORK WITHIN NCRR CORRIDOR TO BE COORDINATED WITH NCDOT AND NSR.

NAD 83/NSRS2007

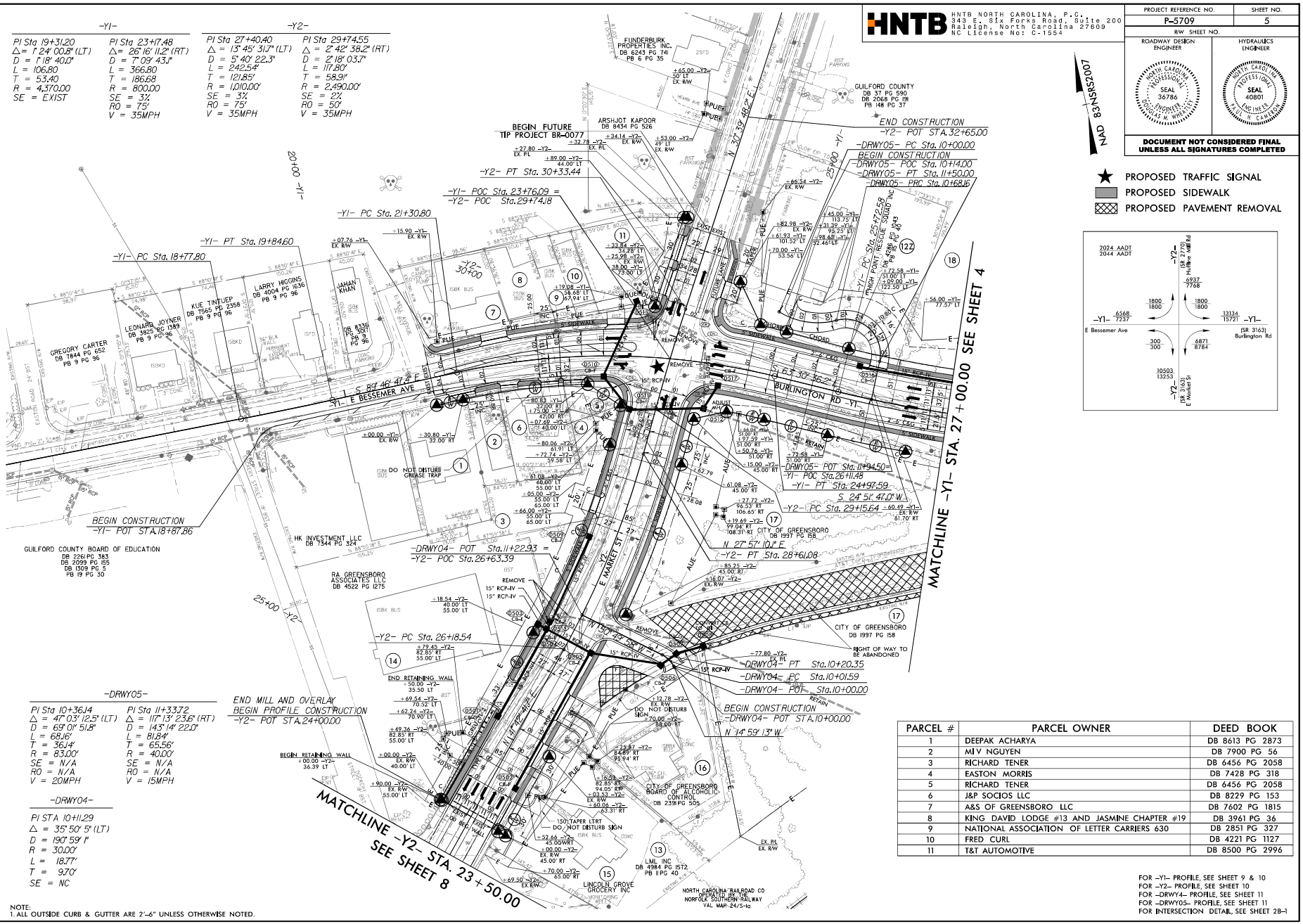
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PARCEL #	PARCEL OWNER	DEED BOOK
1	DEEPAK ACHARYA	DB 8613 PG 2873
2	MI V NGUYEN	DB 7900 PG 56
3	RICHARD TENER	DB 6456 PG 2058
4	EASTON MORRIS	DB 7428 PG 318
5	RICHARD TENER	DB 6456 PG 2058
6	J&P SOCIOS LLC	DB 8229 PG 153
7	A&S OF GREENSBORO LLC	DB 7602 PG 1815
8	KING DAVID LODGE #13 AND JASMINE CHAPTER #19	DB 3961 PG 36
9	NATIONAL ASSOCIATION OF LETTER CARRIERS 630	DB 2851 PG 327
10	FRED CURL	DB 4221 PG 1127
11	T&T AUTOMOTIVE	DB 8500 PG 2996

FOR -Y1- PROFILE, SEE SHEET 9 & 10
FOR -Y2- PROFILE, SEE SHEET 10
FOR -DRWY4- PROFILE, SEE SHEET 11
FOR -DRWY05- PROFILE, SEE SHEET 11
FOR INTERSECTION DETAIL, SEE SHEET 28-1

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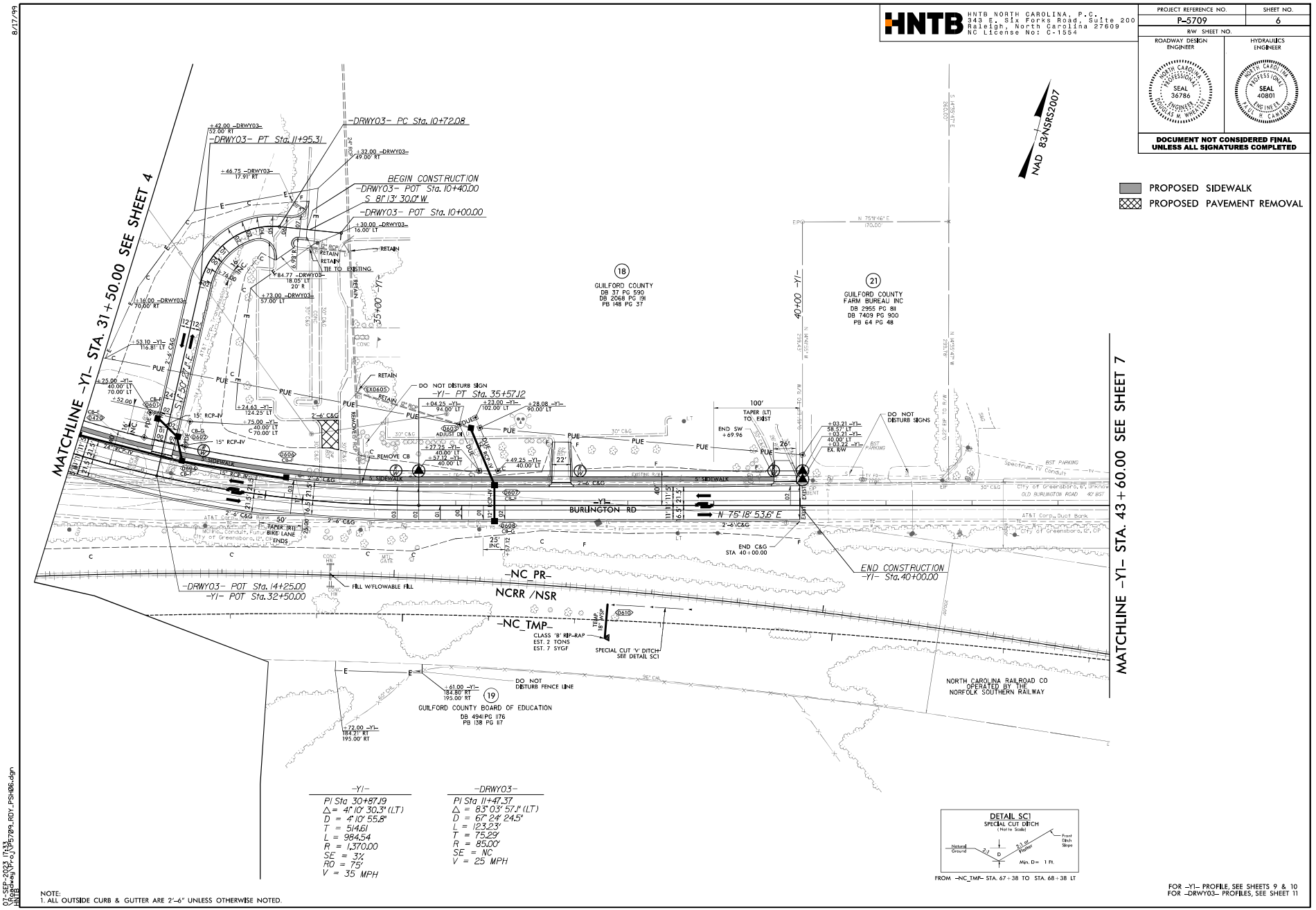
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NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
P-5709	6
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER — SEAL 36786 — DOUGLAS W. WIKERSHY

HYDRAULICS ENGINEER — SEAL 40801 — JENNIFER N. CAMERON

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



NOTE:
1. ALL OUTSIDE CURB & GUTTER ARE 2'-6" UNLESS OTHERWISE NOTED.

FOR -Y1- PROFILE, SEE SHEETS 9 & 10
FOR -DRWY03- PROFILES, SEE SHEET 11

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Docusign Envelope ID: A3657950-7A31-4F38-88F9-AD3BEB5BF1DE

8/17/99

MATCHLINE –Y1– STA. 43+60.00 SEE SHEET 6

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NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
P–5709	7
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER: SEAL 36786, ENGINEER, DOUGLAS W. WIKERSHY

HYDRAULICS ENGINEER: SEAL 40801, ENGINEER, JEFFREY N. CAMPBELL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NSRS2007

PROPOSED SIDEWALK
PROPOSED PAVEMENT REMOVAL
PROPOSED PAVEMENT REMOVAL BY NSR

-Y1- POT Sta. 53+94.73

-EY13- POT Sta.15+37.25
-Y1- POT Sta.53+41.66
END CONSTRUCTION
-EY13- POT Sta.15+22.28

-EY13- PT Sta.13+03.37

PAVEMENT WITHIN 5' FROM CENTERLINE OF EXISTING TRACK AND GRADE CROSSING SURFACE TO BE REMOVED BY NSR (SEE RR-2B-3)

-EY13- POT Sta.11+54.68

-EY13- PC Sta.11+08.79

-EY13- POT Sta.10+00.00

BEGIN CONSTRUCTION
-EY13- POT Sta.10+72.20

3340 OLD BURLINGTON ROAD ASSOCIATES LLC
DB 7915 PG 2270

EUGENE UPSHAW JR
DB 3817 PG 1506

LINDA PICKARD
DB 7863 PG 924

JOSE FLORES
DB 7327 PG 2083
DB 7298 PG 653

JASON GREENE
DB 7410 PG 280

JUAN PATINO
DB 8172 PG 816
PB 16 PG 53

GUILFORD COUNTY BOARD OF EDUCATION
DB 4941 PG 1176
PB 138 PG 117

DAVID RAYMOND REVELL, LLC
DB 7123
PG 141
PB 6 PG 7

JOSE PONCE-RODRIGUEZ
DB 7880
PG 1625
PB 6 PG 7

HENRY LAMBETH
DB 2859 PG 360
PB 6 PG 7

STEPHEN ARMENIOX
DB 7090
PG 2252
PB 6 PG 7

JAVIER SALDANO-FLORES
DB 7547 PG 1051
PB 6 PG 7

KARAN SINGH
DB 8366 PG 1689
PB 6 PG 7

ERIK DAUGHETY
DB 7440 PG 2737
PB 6 PG 7

CHRISTOPHER FOGLEMAN
DB 5730 PG 1926
PB 6 PG 7

JOSE PATINO
DB 7392 PG 634

WIGGINS N STATE MONUMENT COMPANY INC
DB 3054 PG 699

NORTH CAROLINA RAILROAD CO
OPERATED BY THE
NORFOLK SOUTHERN RAILWAY

GUILFORD COUNTY BOARD OF EDUCATION
DB 4941 PG 1176
PB 138 PG 117

CHRISTOPHER BARTON
DB 2600 PG 709
DB 2851 PG 279
PB 6 PG 7

YOUNG REAL ESTATE INVESTMENTS LLC
DB 6166 PG 550

LISA JO SPIVEY
DB 6581 PG 2751
PB 6 PG 7

CLARENCE DYSON
DB 6524 PG 2949
PB 6 PG 7

JERRY RIDDLE
DB 3490 PG 2025
PB 6 PG 7

EMANUEL AGAPION
DB 6868 PG 1138
PB 6 PG 7

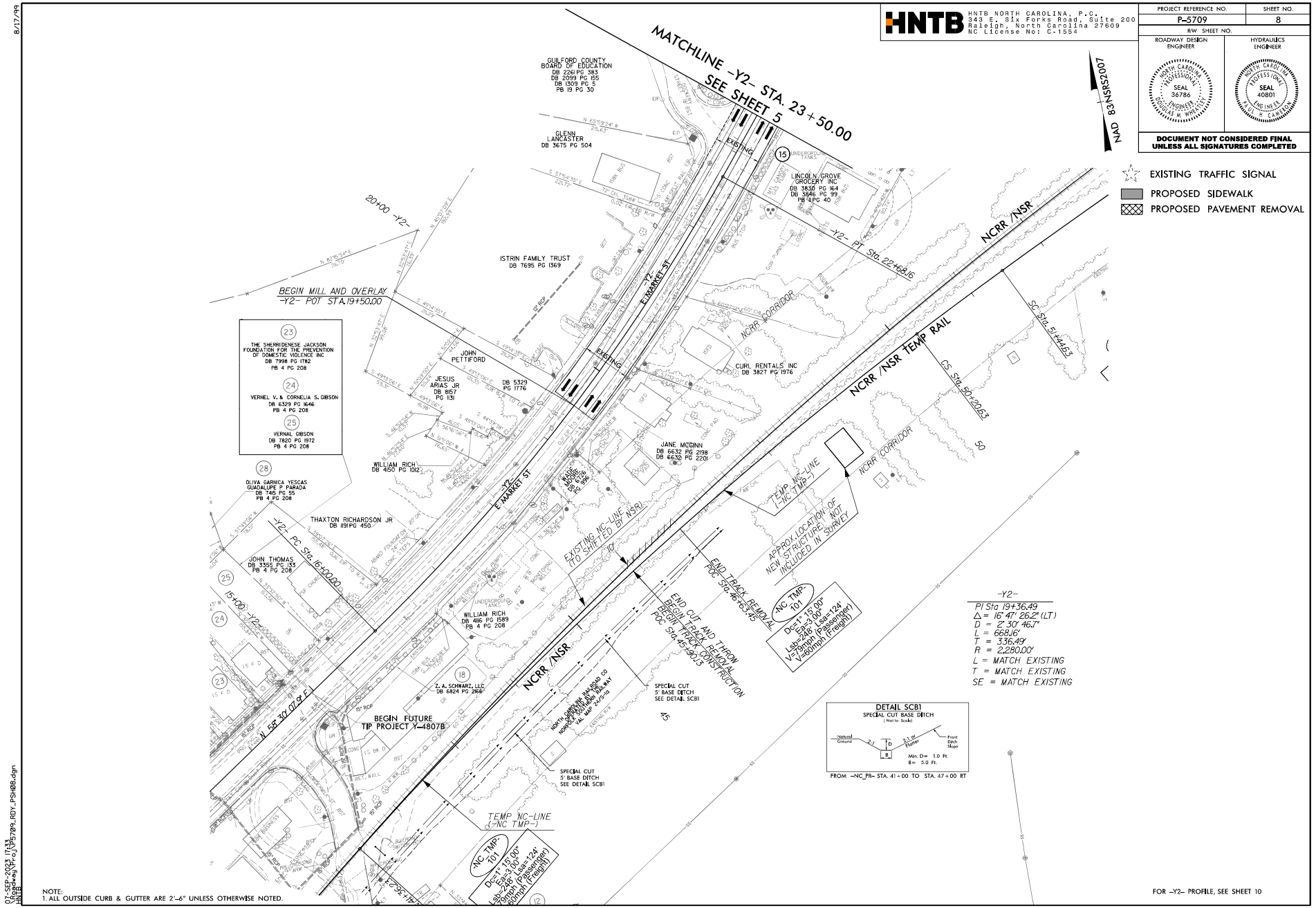
FI PROPERTIES LLC
DB 8413 PG 2582
PB 6 PG 7

AHSLEY COE
DB 8406 PG 1771
PB 201 PG 48

SEE SHEET 2B–2 FOR CROSSING CLOSURE

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NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
P-5709	8
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER: SEAL 36786, ENGINEER, DOUGLAS W. WHEATLEY

HYDRAULICS ENGINEER: SEAL 40801, ENGINEER, JAMES N. CAMERON

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NOTE:
1. ALL OUTSIDE CURB & GUTTER ARE 2'-6" UNLESS OTHERWISE NOTED.

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ATTACHMENT 2: CULTURAL RESOURCES FORMS

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Project Tracking No. (Internal Use)

17-12-0033

HISTORIC ARCHITECTURE AND LANDSCAPES ASSESSMENT OF EFFECTS FORM

This form only pertains to Historic Architecture and Landscapes for this project. It is not valid for Archaeological Resources. You must consult separately with the Archaeology Group.

PROJECT INFORMATION

Project No:	P-5709	***County***:	Guilford
WBS No.:	46920.1.1	***Document Type***:	FCE
Fed. Aid No:	n/a	***Funding***:	☐ State ☒ Federal
Federal Permit(s):	☐ Yes ☒ No	***Permit Type(s)***:	n/a
Project Description: Convert at-grade crossing to grade separation at Franklin Blvd and O'Ferrell St crossings of Norfolk Southern RR in Greensboro			

SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

Description of review activities, results, and conclusion

Review of HPO quad maps, relevant background reports, historic designations roster, and indexes was undertaken on January 9, 2018. In November 2023 the funding source changed from state to federal. The project area has been previously studied for various other projects. There are three eligible resources that will need to have an effects assessment. An Effects Assessment Meeting was held on March 28, 2024. The following are the results of that meeting:

ASSESSMENT OF EFFECTS

Property Name:	Guilford County Center, North Carolina Cooperative Extension	***Status***:	DE
Survey Site No.:	GF9155	***PIN***:	

Effects

☐ No Effect ☒ No Adverse Effect ☐ Adverse Effect

Explanation of Effects Determination:

Not impacting the qualities for which the property is eligible

List of Environmental Commitments:

do not disturb sign.
will maintain turning radii of vehicles entering and exiting parking lot

Docusign Envelope ID: A3657950-7A31-4F3B-8BF9-AD3BEB5BF1DE

Property Name:	Greensboro FMS No. 9	***Status***:	DE
Survey Site No.:	GF7023	***PIN***:	

Effects

☒ No Effect ☐ No Adverse Effect ☐ Adverse Effect

Explanation of Effects Determination:

Outside of project limits

List of Environmental Commitments:

Property Name:	Greensboro National Guard Armory	***Status***:	DE
Survey Site No.:	GF7007	***PIN***:	

Effects

☒ No Effect ☒ No Adverse Effect ☐ Adverse Effect

Explanation of Effects Determination:

Not impacting functions or parking or the qualities for which the property is eligible

List of Environmental Commitments:

FHWA Intends to use the NC-HPO's concurrence as a basis for a "de minimis" finding for the following properties, pursuant to Section 4(f): Greensboro National Guard Armory and Guilford County Center, NC Cooperative Extension

SUPPORT DOCUMENTATION

☒Map(s) ☐Previous Survey Info. ☒Photos ☐Correspondence ☒Design Plans

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FINDING BY NCDOT AND STATE HISTORIC PRESERVATION OFFICE

Historic Architecture and Landscapes – ASSESSMENT OF EFFECTS

Shelby Reap — 3/28/2024

NCDOT Architectural Historian — Date

Renee Gledhill-Earley — 3/28/2024

State Historic Preservation Office Representative — Date

3/28/2024

Federal Agency Representative — Date

Docusign Envelope ID: A3657950-7A31-4F3B-8BF9-AD3BEB5BF1DE

Dayton, Jeffrey

From: Richard Mosher <rmosher@guilfordcountync.gov>
Sent: Wednesday, March 27, 2024 2:13 PM
To: Laad, Anamika; Dayton, Jeffrey; Kiersnowski, Elizabeth
Cc: Greene(LJB, Inc.), Christa A; Eric Hilton
Subject: RE: [External] Re: P-5709 Co-Op Property

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Anamika,

Guilford County Acknowledges that the driveway relocation at the Western side of the Agricultural Center property, located at 3307 Burlington Road in Greensboro, NC, is acknowledged and will not interfere with vehicles passage, turning radii, access, circulation or any other historic uses.

I'm very sorry for the delay, but my absence turned into a hospital stay. Please feel free to contact me if I can of any service to you whatsoever. Have a great day.

Rick

Richard Mosher
Real Estate Project Manager
Facilities
Guilford County Government
301 West Market Street Suite 400, Greensboro, NC 27401
336-641-3778
rmosher@guilfordcountync.gov | www.guilfordcountync.gov

From: Laad, Anamika <alaad@ncdot.gov>
Sent: Wednesday, March 27, 2024 2:06 PM
To: Richard Mosher <rmosher@guilfordcountync.gov>; Dayton, Jeffrey <jeffrey.dayton@hdrinc.com>; Kiersnowski, Elizabeth <elizabeth.kiersnowski@hdrinc.com>
Cc: Greene(LJB, Inc.), Christa A <ext-cagreene1@ncdot.gov>
Subject: RE: [External] Re: P-5709 Co-Op Property

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WARNING
Do not click unrecognized links or attachments. **When in doubt**, use the **P**hish **A**lert **R**eport button.

Hey Rick,

Any chance you can respond to us before tomorrow?
We are meeting our lead federal agency tomorrow morning at 9am and would love to have a response from your office before that.

Left you a voicemail with the same message just now.

Anamika Laad, AICP CTP
Manager, Project Development Unit
Rail Division
North Carolina Department of Transportation

919 707 4705 office
919 715 6580 fax
alaad@ncdot.gov

1 South Wilmington Street
1553 Mail Service Center
Raleigh, NC 27699-1553

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Facebook Twitter YouTube

From: Richard Mosher <rmosher@guilfordcountync.gov>
Sent: Wednesday, March 20, 2024 2:10 PM
To: Dayton, Jeffrey <jeffrey.dayton@hdrinc.com>; Kiersnowski, Elizabeth <elizabeth.kiersnowski@hdrinc.com>
Cc: Laad, Anamika <alaad@ncdot.gov>
Subject: [External] Re: P-5709 Co-Op Property

CAUTION: External email. Do not click links or open attachments unless verified. Report suspicious emails with the Report Message button located on your Outlook menu bar on the Home tab.

I'm very sorry, i have been out of work. I can confirm tomorrow when i get back in the office. Thank you so much.

Rick

Sent from my Verizon, Samsung Galaxy smartphone
Get Outlook for Android

Richard Mosher
Real Estate Project Manager
Facilities
Guilford County Government
301 West Market Street Suite 400, Greensboro, NC 27401
336-641-3778
rmosher@guilfordcountync.gov | www.guilfordcountync.gov

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From: Dayton, Jeffrey <Jeffrey.Dayton@hdrinc.com>
Sent: Monday, March 18, 2024 5:38:57 PM
To: Kiersnowski, Elizabeth <Elizabeth.Kiersnowski@hdrinc.com>; Richard Mosher <rmosher@guilfordcountync.gov>
Cc: Laad, Anamika <alaad@ncdot.gov>
Subject: RE: P-5709 Co-Op Property

WARNING *This email originated outside Guilford County's email system.* *WARNING*
Do not click unrecognized links or attachments. **When in doubt**, use the **P**hish **A**lert **R**eport button.

Mr. Mosher,

I hope all is well with you today. We just wanted to follow up to see if you have any questions or comments. Let us know if you need anything else.

Thanks in advance!
Jeff

From: Kiersnowski, Elizabeth <Elizabeth.Kiersnowski@hdrinc.com>
Sent: Tuesday, March 5, 2024 12:20 PM
To: rmosher@guilfordcountync.gov
Cc: Dayton, Jeffrey <jeffrey.dayton@hdrinc.com>; Laad, Anamika <alaad@ncdot.gov>
Subject: P-5709 Co-Op Property

Mr. Mosher –

A pleasure speaking with you today!
As discussed, NCDOT is seeking confirmation the Cooperative Extension is aware of NCDOT STIP Project # P-5709 and proposed driveway relocation to the west side of the parcel, as shown in the attached PDF (the Cooperative Extension property is highlighted in orange for reference). NCDOT would also like confirmation the driveway relocation will not impede vehicles, turning radii, circulation, or other uses, including historic uses of the property. If the Coop agrees, NCDOT would request a written e-mail confirmation. Please let us know if you have any follow up questions and feel free to give me a call to discuss. Thank you again!

Elizabeth Kiersnowski, AICP
Transportation Planner

HDR
440 S. Church Street, Suite 1200
Charlotte, NC 28202
D 704.248.3600 **M** 864.350.9316
elizabeth.kiersnowski@hdrinc.com

hdrinc.com/follow-us

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NO ARCHAEOLOGICAL SURVEY REQUIRED FORM

This form only pertains to ARCHAEOLOGICAL RESOURCES for this project. It is not valid for Historic Architecture and Landscapes. You must consult separately with the Historic Architecture and Landscapes Team.

PROJECT INFORMATION

Project No:	**P-5709**	*County:*	Guilford
WBS No:	46920	*Document:*	Federal Programmatic Categorical Exclusion
Federal Aid No:		*Funding:*	☐ State ☒ Federal
Federal Permit Required?	☒ Yes ☐ No	*Permit Type:*	USACE

Project Description:

SUMMARY OF CULTURAL RESOURCES REVIEW

Brief description of review activities, results of review, and conclusions:

Construct a grade separation for the Norfolk-Southern Railway H Line at Franklin Blvd. and close the O'Ferrell St. crossing in Greensboro in Guilford County. The Area of Potential Effects (APE), based on the study area provided by the project manager, is approximately 1,455 meters (4,772 ft.) long and 582 meters (1,910 ft.) wide at its widest. No design plans were provided. The project is federally funded and federal permits will be required. Easements will be required. Because the project is federally funded and will require federal permits this review was conducted according to Section 106 of the National Historic Preservation Act.

NOTE: This project was first submitted for cultural resources review in 2017. A No Archaeological Survey Required form was submitted in February 2018. At that time the project was state funded and did not require any federal permits, so the review was conducted under North Carolina General Statute 121-12 (a). The study area has not changed, but the funding has changed to federal and federal permits are now required. This form provides the same information as the 2017 review in an updated format.

(This project falls within a North Carolina County in which the following federally recognized tribes have expressed an interest: The Catawba Nation; the Occaneechi Band of the Saponi Nation (state-recognized). *. We recommend that you ensure that this documentation is forwarded to these tribes using the process described in the current NCDOT Tribal Protocol and PA Procedures Manual.)*

Brief Explanation of why the available information provides a reliable basis for reasonably predicting that there are no unidentified historic properties in the APE:

The 2017 review included an examination of a topographic map, an aerial photograph, and listings of previously recorded sites, previous archaeological surveys, and previous environmental reviews at the Office of State Archaeology (OSA). (The 2023 review added an examination of the

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information available on the OSA's web-based GIS server.) The railroad line is oriented approximately east-west.

The topographic map (McLeansville) shows the railroad crossings are located on a ridge in a developed part of Greensboro. The study area does not include any stream crossings. In this region, ridges have a low to moderate potential for prehistoric archaeological sites. The potential is higher when the ridge is close to a water source.

The aerial photograph shows most of the study area is occupied by residential and commercial structures. The west half of the project area (west of Franklin Blvd.) is occupied by homes, businesses and roads. The east half of the project area (east of Franklin Blvd.) is not quite as developed. There are some large open grass areas that are probably the landscaped yards of the businesses located nearby.

A review of information at the OSA showed there are no previously recorded archaeological sites within or adjacent to the study area. A tract within the study area has been previously surveyed for archaeological sites. Idol (2010) conducted an archaeological survey of the Greensboro National Guard Armory located in the study area near the west end (ER 10-2178). No archaeological sites were recorded during that survey.

Also, this project has been previously reviewed (ER 17-1000) by the State Historic Preservation Office (HPO). HPO recommended that no archaeological survey was necessary.

Reference Cited

Idol, Bruce
2010 Archaeological Survey of the Greensboro National Guard Armory, Guilford County, North Carolina. Report submitted to the North Carolina National Guard, Raleigh. TRC Environmental Corporation, Chapel Hill, North Carolina.

SUPPORT DOCUMENTATION

See attached: ☒ Map(s) ☒ Previous Survey Info ☐ Photos ☐ Correspondence
Other:

FINDING BY NCDOT ARCHAEOLOGIST: *NO ARCHAEOLOGY SURVEY REQUIRED*

Caleb Smith 12/4/2023

NCDOT ARCHAEOLOGIST II Date

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ATTACHMENT 3: TRIBAL COORDINATION

Docusign Envelope ID: A3657950-7A31-4F3B-8BF9-AD3BEB5BF1DE

Catawba Indian Nation
Tribal Historic Preservation Office
1536 Tom Steven Road
Rock Hill, South Carolina 29730

Office 803-328-2427

November 29, 2023

Attention: Tamara Njegovan
NC Department of Transportation
1553 Mail Service Center
Raleigh, NC 27699

Re. THPO #	TCNS #	Project Description
2024-193-18		Construct a grade separation at the Franklin Boulevard crossing and close the O'Ferrell Street crossing of the Norfolk Southern Railway (NS) H-Line in Greensboro P-5709

Dear Mr. Njegovan,

The Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. **However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.**

If you have questions please contact Caitlin Rogers at 803-328-2427 ext. 226, or e-mail Caitlin.Rogers@catawba.com.

Sincerely,

Caitlin Rogers for

Wenonah G. Haire
Tribal Historic Preservation Officer

Docusign Envelope ID: A3657950-7A31-4F3B-8BF9-AD3BEB5BF1DE

From: Njegovan, Tamara M.
To: Dayton, Jeffrey; Poole, Emily; Laad, Anamika
Subject: Fwd: [External] Franklin Blvd
Date: Sunday, November 12, 2023 1:01:11 PM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Sent from my iPhone

Begin forwarded message:

From: OBSN Tribe <obsntribe@gmail.com>
Date: November 12, 2023 at 12:55:10 PM EST
To: "Njegovan, Tamara M." <tmnjegovan@ncdot.gov>
Subject: [External] Franklin Blvd

CAUTION: External email. Do not click links or open attachments unless verified. Report suspicious emails with the Report Message button located on your Outlook menu bar on the Home tab.

Hi Tamara:

I am responding to your letter dated 10/25/23. The OBSN does not have any historic properties of traditional religious or cultural importance at this site.

Thank you,

Vickie Jeffries
OBSN Tribal Administrator
336-684-6270

--
Occaneechi Band of the Saponi Nation, Inc.
P.O. Box 356, Mebane, NC 27302 (mailing address)
Phone: 336-421-1317
Fax: 336-738-3432
Email: obsntribe@gmail.com
Website: www.obsn.org
Location: OBSN Tribal Center - 4902 Dailey Store Road - Burlington, NC 27217

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ATTACHMENT 4: GUILFORD COUNTY SCHOOLS COORDINATION

Docusign Envelope ID: A3657950-7A31-4F3B-8BF9-AD3BEB5BF1DE

From: Bell, Donna M
To: Dayton, Jeffrey
Cc: Monk, Julius M
Subject: FW: NCDOT P-5709 (Franklin Boulevard)
Date: Tuesday, March 19, 2024 4:26:04 PM
Attachments: P-5709 - GCS Letter 2024-02-23_signed.pdf

You don't often get email from belld2@gcsnc.com. Learn why this is important

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Jeff,

As Planning Director for Guilford County Schools, I wanted to let you know that since the design of the Franklin Blvd grade separation project has not changed since our Board of Education approved NCDOT's 2023 acquisition of right-of-way and easements affecting our Hariston Middle School property, Guilford County Schools has no additional questions or concerns regarding the impact of this project on our school campus at this location. The informational letter provided by Anamika Laad of NCDOT specified that the only project change was a delay in implementation due to the pursuance of federal funding. As such, our school and administrative staff have been notified of the delay and are making operational plans for the impending short-term closure of Franklin Blvd at the existing railroad crossing.

If you need anything further from us, please let us know.

Thank you.
Donna Bell

Donna M Bell, AICP
Guilford County Schools
Planning Director
617 W Market Street
Greensboro NC 27401

336.574.5225

www.gcsnc.com

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From: Dayton, Jeffrey <Jeffrey.Dayton@hdrinc.com>
Sent: Monday, March 18, 2024 5:48 PM
To: Dixon, Knick <dixonn@gcsnc.com>; Pickens, Kydada <pickenk@gcsnc.com>; Superintendent <superintendent@gcsnc.com>
Cc: 'Anamika Laad' <alaad@ncdot.gov>; Poole, Emily <Emily.Poole@hdrinc.com>
Subject: FW: NCDOT P-5709 (Franklin Boulevard) Request from GCS

CAUTION: This email originated from a Non-Guilford County Schools email address. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon,

We just wanted to follow up on the letter and see if GCS had any questions or comments for NCDOT about the proposed project. Let us know if you need anything.

Thanks in advance,
Jeff

From: Dayton, Jeffrey
Sent: Friday, February 23, 2024 12:58 PM
To: superintendent@gcsnc.com; dixonn@gcsnc.com; pickenk@gcsnc.com
Cc: 'Anamika Laad' <alaad@ncdot.gov>; Poole, Emily <Emily.Poole@hdrinc.com>
Subject: NCDOT P-5709 (Franklin Boulevard) Request from GCS

Good Afternoon,

Please find the attached letter regarding the proposed NCDOT Franklin Boulevard grade separation project. The project is adjacent to Otis L. Hairston Middle School.

NCDOT would request a reply at your earliest convenience. Let us know what other comments or questions you have.

Best Regards,

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

July 18, 2024

Ms. Donna Bell, AICP
Planning Director, Guilford County Schools
617 West Market Street
Greensboro, NC 27401

Dear Ms. Bell,

The Federal Highway Administration (FHWA) and North Carolina Department of Transportation (NCDOT) are seeking your acknowledgement of the *de minimis* use for the portions of Otis L. Hairston Middle School's right-of-way acquisitions and easements near the athletic field.

A total of five build alternatives and a no-build alternative were evaluated in the environmental document. The preferred alternative based on comments received during the public meetings and discussion with stakeholders (including the City of Greensboro), has a lower maximum road grade on Franklin Boulevard, which is preferable for pedestrians and bicyclists, has a better view shed, and fewer right of way and stream impacts.

In accordance with 23 CFR Part 774 (Sections 774.3(b) and 774.17) the FHWA and NCDOT intend to make a *de minimis* finding based on your concurrence that the project would not adversely affect the activities, features, and attributes of portions of Otis L. Hairston Middle School.

A determination of *de minimis* impact on parks, recreation areas, and wildlife and waterfowl refuges, may be made when all three of the following criteria are satisfied:

1. The transportation use of the Section 4(f) resource, together with any impact avoidance, minimization, and mitigation or enhancement measures incorporated into the project, does not adversely affect the activities, features, and attributes that qualify the resource for protection under Section 4(f),

2. The public has been afforded an opportunity to review and comment on the effects of the project on the protected activities, features, and attributes of the Section 4(f) resource. and,

3. The official(s) with jurisdiction over the property are informed of U.S. DOT's intent to make the *de minimis* impact determination based on their written concurrence that the project will not adversely affect the activities, features, and attributes that qualify the property for protection under Section 4(f).

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
RAIL DIVISION
1 SOUTH WILMINGTON STREET
RALEIGH, NC 27606

Telephone: (919) 707-4700
Fax: (919) 715-6580
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
PLANNING AND DEVELOPMENT BRANCH
1 SOUTH WILMINGTON STREET
RALEIGH, NC 27601

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Project P-5709 will include approximately 0.07 acre of construction easement and approximately 1.1 acres of permanent utility easement on the school property. The loss of the impacted area will not adversely impact the function of school or its athletic field.

Based on coordination Guilford County Schools and the City of Greensboro, the project design includes construction of a retaining wall on the western edge of the school property at Franklin Boulevard.

The public has been given multiple public involvement opportunities. Public meetings were held in December 2017 and November 2019. Additionally, a project website was established by NCDOT which contains project details and contact information to request additional information.

We request that you confirm that NCDOT Project P-5709 will not adversely affect Otis L. Hairston Middle School by signing the affirmation below. If you have any questions or need additional information, please contact me (919-760-7677 or ext-cagreene1@ncdot.gov) or Anamika Laad (919-707-4705 or alaad@ncdot.gov).

Sincerely,

Christa Greene

Christa Greene, PE, Project Manager
NCDOT Rail Division Planning and Development Branch

Affirmation

As the official with jurisdiction over Otis L. Hairston Middle School, I concur with the determination that the proposed transportation project as described in this letter would not adversely affect the activities, features, or attributes that qualify the Middle School for Section 4(f) protection. I have also been informed and attest, based on my concurrence, the FHWA intends to make a *de minimis* finding regarding impacts to Otis L. Hairston Middle School's athletic field, thus satisfying the requirements of Section 4(f).

Donna M Bell

Donna Bell, AICP
Planning Director, Guilford County Schools

July 22, 2024

Date

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PUBLIC NOTICE

The North Carolina Department of Transportation (NCDOT) Rail Division Has Determined That Impacts to Otis L. Hairston Middle School Meet the US Department of Transportation Act, Section 4(f) Regulations of a De Minimis Impact

July 25, 2024

What is being planned?

The NCDOT Rail Division proposes to construct a grade separation at the Franklin Boulevard crossing (722959A) and close the O'Ferrell Street crossing (722961B) of the Norfolk Southern Railway (NS) H-line in Greensboro, Guilford County. See attached Exhibit Map.

Why this notice?

The proposed project has received funding from the U.S. Department of Transportation (USDOT) and is therefore subject to the U.S. Department of Transportation Act of 1966. Section 4(f) of this legislation attempts to protect publicly owned parks and recreational areas, wildlife and waterfowl refuges, and historic sites from impacts due to transportation project development. **The Federal Highway Administration (FHWA) has determined that the Otis L. Hairston Middle School's athletic fields are a Section 4(f) property;** therefore, all impacts to the athletic field must be evaluated to ensure they comply with the legislation.

It is the NCDOT Rail's position that the impacts to the Otis L. Hairston Middle School athletic field, as a result of the project, be determined *de minimis* impacts. A *de minimis* impact is an impact that would not adversely affect the activities, features, or attributes qualifying a park, recreational area or refuge for protection under Section 4(f). In order for FHWA to consider finalizing a *de minimis* impact determination, an opportunity for public review and comment must be provided.

Where you come in:

Pursuant to 23 CFR 774.5(b)(2), notice is hereby provided of the proposed *de minimis* finding determinations. Written comments on the proposed determination should be mailed to:

NCDOT Rail Division
c/o Christa Greene, PE
1553 Mail Service Center
Raleigh, NC 27699-1553

Or emailed to:

ext-cagreene1@ncdot.gov

Public comments will be accepted up to 10 days from the date of this public notice. Responses or replies to the public comments may not be required, depending on the substantive nature of the comments; however, all comments and responses will be documented in the administrative record for the proposed project.

Docusign Envelope ID: A3657950-7A31-4F3B-8BF9-AD3BEB5BF1DE



NCDOT RAIL DIVISION

HDR

STUDY AREA MAP
NCDOT STIP PROJECT NO. P-5709
FIGURE 1