

AGREEMENT OVERVIEW

NORTH CAROLINA
MOORE COUNTY

DATE: 11/18/2024

PARTIES TO THE AGREEMENT:

PROJECT NUMBERS:

NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION

TIP #: U-3628

WBS ELEMENTS: CON 44672.3.1

AND

TOWN OF CARTHAGE

The purpose of this Agreement is to identify the participation in project costs, project delivery and/or maintenance, by the other party to this Agreement, as further defined in this Agreement.

SCOPE OF TIP PROJECT (“Project”): The Town of Carthage will participate in the cost to install a new sidewalk along NC 24 / NC 27 from Morgan Street to SR 1006 (Glendon-Carthage Rd). This is part of a project to widen NC 24 / NC 27 to three lanes, with curb and gutter and bicycle/pedestrian accommodations, from the courthouse west of NC 22 (McNeill Street) to US 15/501 in Carthage.

ESTIMATED COST OF THE SIDEWALKS: \$ 80,160

COSTS TO OTHER PARTY: \$ 16,032

DEPARTMENT’S FUNDING: \$ 64,128

PAYMENT TERMS: The Department will invoice the Town of Carthage upon completion of the Project.

MAINTENANCE: Town of Carthage

EFFECTIVE DATES OF AGREEMENT:

START: Upon Full Execution of this Agreement

END: When work is complete and all terms are met.

This Agreement is made and entered into on the last date executed below, by and between the North Carolina Department of Transportation, an agency of the State of North Carolina, hereinafter referred to as the **Department** and the Town of Carthage, hereinafter referred to as the **Municipality**; and collectively referred to as the **Parties**.

The **Parties** to this Agreement, listed above, intend that this Agreement, together with all attachments, schedules, exhibits, and other documents that both are referenced in this

**ACCOUNTS RECEIVABLE
TIP AGREEMENT – ADDITIONAL WORK
CONSTRUCTION
1000022790**

Agreement and refer to this Agreement, represents the entire understanding between the **Parties** with respect to its subject matter and supersedes any previous communication or agreements that may exist.

I. WHEREAS STATEMENTS

WHEREAS, this Agreement is made under the authority granted to the **Department** by the North Carolina General Assembly under General Statutes of North Carolina (NCGS), particularly Chapter 136-66.1 and 136-66.3; and,

WHEREAS, the **Department** and the **Municipality** have agreed that the jurisdictional limits of the **Parties**, as of the date of entering the agreement for the above-mentioned project, are to be used in determining the duties, responsibilities, rights, and legal obligations of the **Parties** hereto for the purposes of this Agreement; and,

WHEREAS, the **Municipality** has requested that the **Department** perform all phases of said work or provide services; and,

WHEREAS, the **Parties** hereto wish to enter into an agreement for scoped work to be performed or provided by the **Department** (including reviews, goods, or services) with reimbursement for the costs thereof by the **Municipality** as hereinafter set out.

NOW, THEREFORE, this Agreement states the promises and undertakings of each party as herein provided, and the **Parties** do hereby covenant and agree, each with the other, as follows:

II. RESPONSIBILITIES

A. DEPARTMENT

The **Department** shall be responsible for all phases of project delivery to include planning, design, right of way acquisition, utility relocation, and construction as shown in the **PROJECT DELIVERY** Provision.

B. MUNICIPALITY

The **Municipality** shall be responsible for maintenance as shown in the **PROJECT DELIVERY** Provision and payment as shown in the **COSTS AND FUNDING** Provision.

III. PROJECT DELIVERY REQUIREMENTS

A. PLANNING, DESIGN, AND CONSTRUCTION

- i. The **Department** will be responsible for preparing the environmental and/or planning document and obtaining any environmental permits.
- ii. The **Department** will be responsible for preparing the project plans and specifications and letting the Project to construction.

- iii. The **Department** shall construct the Project in accordance with the plans and specifications for the Project. The **Department** shall administer the construction contract for said Project. All work shall be done in accordance with Departmental standards, specifications, policies, and procedures.

B. RIGHT OF WAY ACQUISITION

The **Department** will be responsible for acquiring any needed right of way required for the Project in accordance with the policies and procedures set forth in the North Carolina Right of Way Manual.

C. MUNICIPAL UTILITY RELOCATIONS

Responsibilities

The **Municipality** shall be responsible for the relocation and adjustment of all municipally owned utilities in conflict with the Project and shall exercise any rights that it may have under any franchise to effect all necessary changes, adjustments, and relocations of communications and electric power lines; underground cables, gas lines, and, and other pipelines or conduits; or any privately- or publicly-owned utilities.

- i. Said work shall be performed in a manner satisfactory to the **Department** prior to the **Department** beginning construction of the Project. The **Municipality** shall make every effort to promptly relocate said utilities in order that the **Department** will not be delayed in the construction of the Project.
- ii. The **Municipality** shall make all necessary adjustments to house or lot connections or services lying within the right of way or construction limits, whichever is greater, of the Project.
- iii. The **Department**, where necessitated by construction, will make vertical adjustments of two (2) feet or less to the existing manholes, meter boxes, and valve boxes at no expense to the **Municipality**.
- iv. The **Department** shall not be liable for any work that the **Municipality** undertakes with respect to said utility relocation.

Costs and Funding

- v. If applicable, the **Department** will reimburse the **Municipality** in accordance with NCGS 136-27.1. A separate utility agreement may be prepared to address these costs and payment terms.

Utility Relocation by Department

- vi. If the **Municipality** requests the **Department** to include the relocation and/or adjustment of municipally owned utilities in its construction contract provisions, and the **Department** agrees, then a separate utility agreement will be prepared to state the cost estimate and the reimbursement terms, if applicable. The **Municipality** shall reimburse the **Department** all or a portion of the costs associated with said relocation, in accordance with NCGS 136-27.1. Reimbursement will be based on final project plans and actual costs of relocation.

D. MAINTENANCE

Upon completion of the Project:

- i. The **Municipality** shall be responsible for maintenance of the sidewalks upon completion of the Project.
- ii. The **Department** shall be responsible for all traffic operating controls and devices which shall be established, enforced, and installed and maintained in accordance with the North Carolina General Statutes, the latest edition of the Manual on Uniform Traffic Control Devices for Streets and Highways, the latest edition of the "Policy on Street and Driveway Access to North Carolina Highway," and department criteria.
- iii. The roadway improvements that are within state-owned right of way shall be considered a part of the State Highway System and shall be owned and maintained by the **Department**.

IV. COSTS AND FUNDING

A. PROJECT COSTS

The **Municipality** has agreed to participate in the Project costs as follows:

- i. The estimated cost of the sidewalks is \$80,160. The **Municipality** shall participate in 20% of actual costs. The **Department** will participate in 80% of actual costs. Both **Parties** understand that this is an estimated cost and is subject to change.
- ii. The **Department** may consult with the **Municipality** on changes to cost estimates prior to construction, or changes to costs during construction. Consultation between the **Department** and the **Municipality** is offered as a courtesy to apprise the **Municipality** of potential cost increases and to allow appropriate budgeting. Failure of the **Department** to notify the **Municipality** of cost increases does not affect the payment terms of the agreement.

B. PAYMENT BY THE MUNICIPALITY

- i. Upon completion of the Project, the **Department** will calculate actual costs and bill the **Municipality** per **Project Costs** Provision. The **Municipality** shall reimburse the **Department** within sixty (60) days of invoicing by the **Department**. The **Department** will charge a late payment penalty and interest on any unpaid balance due in accordance with G. S. 147-86.23.
- ii. At any time prior to final billing by the **Department**, the **Municipality** may prepay any portion of the estimated cost by sending payment in accordance with the attached “Remittance Guidance”. The **Department** will provide a final billing based on the fixed cost, less any previous payments that have been made.
- iii. In the event the **Municipality** fails for any reason to pay the **Department** in accordance with the provisions for payment hereinabove provided, North Carolina General Statute 136-41.3 authorizes the **Department** to withhold so much of the **Municipality’s** share of funds allocated to said **Municipality** by North Carolina General Statute, Section 136-41.1, until such time as the **Department** has received payment in full.

V. STANDARD PROVISIONS

A. AGREEMENT MODIFICATIONS

Any modification to scope, funding, responsibilities, or time frame will be agreed upon by all **Parties** by means of a written Supplemental Agreement.

B. ASSIGNMENT OF RESPONSIBILITIES

The **Department** must approve any assignment or transfer of the responsibilities of the **Municipality** set forth in this Agreement to other parties or entities.

C. AGREEMENT FOR IDENTIFIED PARTIES ONLY

This Agreement is solely for the benefit of the identified **Parties** to the Agreement and is not intended to give any rights, claims, or benefits to third parties or to the public at large.

D. OTHER AGREEMENTS

The **Municipality** is solely responsible for all agreements, contracts, and work orders entered into or issued by the **Municipality** to meet the terms of this Agreement. The **Department** is not responsible for any expenses or obligations incurred for the terms of this Agreement except those specifically eligible for the funds and obligations as approved by the **Department** under the terms of this Agreement.

E. TITLE VI

The other party to this Agreement shall comply with Title VI of the Civil Rights Act of 1964 (Title 49 CFR, Subtitle A, Part 21) and related nondiscrimination authorities. Title VI and related authorities prohibit discrimination on the basis of race, color, national origin, disability, gender, and age in all programs or activities of any recipient of Federal assistance.

F. FACSIMILE

A copy or facsimile copy of the signature of any party shall be deemed an original with each fully executed copy of the Agreement as binding as an original, and the **Parties** agree that this Agreement can be executed in counterparts, as duplicate originals, with facsimile signatures sufficient to evidence an agreement to be bound by the terms of the Agreement.

G. AUTHORIZATION TO EXECUTE

The **Parties** hereby acknowledge that the individual executing this Agreement has read this Agreement, conferred with legal counsel, fully understands its contents, and is authorized to execute this Agreement and to bind the respective **Parties** to the terms contained herein.

H. DEBARMENT POLICY

It is the policy of the **Department** not to enter into any agreement with parties that have been debarred by any government agency (Federal or State). By execution of this agreement, the **Municipality** certifies that neither it nor its agents or contractors are presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in this transaction by any Federal or State Agency or Department and that it will not enter into agreements with any entity that is debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in this transaction.

I. INDEMNIFICATION

To the extent authorized by state and federal claims statutes, the **Municipality** shall be responsible for its actions under the terms of this agreement and save harmless the FHWA (if applicable), the **Department**, and the State of North Carolina, their respective officers, directors, principals, employees, agents, successors, and assigns from and against any and all claim for payment, damages and/or liabilities of any nature, asserted against the **Department** in connection with this Agreement. The **Department** shall not be liable and shall be held harmless from any and all third-party claims that might arise on account of the **Municipality's** negligence and/or responsibilities under the terms of this agreement.

J. AVAILABILITY OF FUNDS

All terms and conditions of this Agreement are dependent upon, and, subject to the allocation of funds for the purpose set forth in the Agreement and the Agreement shall automatically terminate if funds cease to be available.

K. DOCUSIGN

The **Department** and **Municipality** acknowledge and agree that the electronic signature application DocuSign may be used, at the sole election of the **Department** or the **Municipality**, to execute this Agreement. By selecting "I Agree", "I Accept", or other similar item, button, or icon via use of a keypad, mouse, or other device, as part of the DocuSign application, the **Department** and **Municipality** consent to be legally bound by the terms and conditions of Agreement and that such act constitutes **Department's** signature as if actually signed by the **Department** in writing or the **Municipality's** signature as if actually signed by the **Municipality** in writing. The **Department** and **Municipality** also agree that no certification authority or other third-party verification is necessary to validate its electronic signature and that the lack of such certification or third-party verification will not in any way affect the enforceability of its electronic signature. The **Department** and **Municipality** acknowledge and agree that delivery of a copy of this Agreement or any other document contemplated hereby through the DocuSign application, will have the same effect as physical delivery of the paper document bearing an original written signature.

L. GIFT BAN

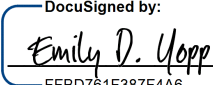
By Executive Order 24, issued by Governor Perdue, and NCGS 133-32, it is unlawful for any vendor or contractor (i.e. architect, bidder, contractor, construction manager, design professional, engineer, landlord, offeror, seller, subcontractor, supplier, or vendor), to make gifts or to give favors to any State employee of the Governor's Cabinet Agencies (i.e. Administration, Adult Corrections, Commerce, Environmental Quality, Health and Human Services, Information Technology, Military and Veterans Affairs, Natural and Cultural Resources, Public Safety, Revenue, Transportation, and the Office of the Governor).

**ACCOUNTS RECEIVABLE
TIP AGREEMENT – ADDITIONAL WORK
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SIGNATURE PAGE

IN WITNESS WHEREOF, this Agreement has been executed the day and year heretofore set out, on the part of the **Department** and the **Municipality** by authority duly given.

(DOCUSIGN ONLY)

Authorized Signer:  Emily D. Yopp
Print Name: Emily D. Yopp
Title: Town Manager
Date Signed: 11/19/2024

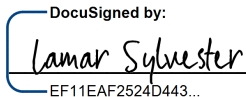
If applicable, this Agreement has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act:

TOWN OF CARTHAGE

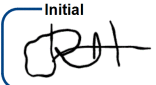
FED TAX ID NO: 56-6001195
REMITTANCE ADDRESS:
4396 Hwy 15-501
Carthage, NC 28327

Finance Officer:  Kesha Matthews
Print Name: Kesha Matthews
Date Signed: 11/19/2024

DEPARTMENT OF TRANSPORTATION

BY:  Lamar Sylvester
TITLE: Chief Engineer
DATE: 11/20/2024

APPROVED BY BOARD OF TRANSPORTATION ITEM O: 11/7/2024 (DATE)



SIGNATURE PAGE

IN WITNESS WHEREOF, this Agreement has been executed the day and year heretofore set out, on the part of the **Department** and the **Municipality** by authority duly given.

(INK SIGNATURES ONLY)

ATTEST: _____ Authorized Signer: _____

BY: _____ Print Name: _____

TITLE: _____ Title: _____

Date Signed: _____

If applicable, this Agreement has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act:

TOWN OF CARTHAGE

FED TAX ID NO: _____ Finance Officer: _____

REMITTANCE ADDRESS: _____ Print Name: _____

_____ Date Signed: _____

DEPARTMENT OF TRANSPORTATION (DocuSign)

BY: _____

TITLE: _____

DATE: _____

APPROVED BY BOARD OF TRANSPORTATION ITEM O: _____ (DATE)

JOSH STEIN
Governor

D. REID WILSON
Secretary

RICHARD E. ROGERS, JR.
Director



April 30, 2025

Emily Yopp, Town Manager
Town of Carthage
4396 Highway 15-501
Carthage, NC 28327

Subject: Permit No. WQ0046412
Town of Carthage
24-27 Water & Sewer Relocation U-3628
Wastewater Collection System Extension Permit
Moore County

Dear Emily Yopp:

In accordance with your application received April 28, 2025, we are forwarding herewith Permit No. WQ0046412 dated April 30, 2025 to Town of Carthage for the construction and operation upon certification of the subject wastewater collection system extension. This permit shall be effective from the date of issuance until rescinded, and shall be subject to the conditions and limitations as specified therein. This cover letter shall be considered a part of this permit and is therefore incorporated therein by reference.

Please pay particular attention to the following conditions contained within this permit:

Condition II.1: This permit shall not be automatically transferable; a request must be made and approved.

Condition II.4: Requires that the wastewater collection facilities be properly operated and maintained in accordance with 15A NCAC 2T .0403 or any individual system-wide collection system permit issued to the Permittee.

Condition II.7: Upon completion of construction and prior to operation of these permitted facilities, the completed Engineering Certification form with checklist attached to this permit shall be submitted with the required supporting documents to the address provided on the form. **Permit modifications are required for any changes resulting in non-compliance with this permit, regulations, or the Minimum Design Criteria.** [15A NCAC 02T.0116]

It shall be responsibility of the Permittee to ensure that the as-constructed project meets the appropriate design criteria and rules. Failure to comply may result in penalties in accordance with North Carolina General Statute §143-215.6A through §143-215.6C, construction of additional or replacement




wastewater collection facilities, and/or referral of the North Carolina-licensed Professional Engineer to the licensing board.

If any parts, requirements, or limitations contained in this permit are unacceptable, you have the right to request an adjudicatory hearing upon written request within 30 days following receipt of this permit. This request must be in the form of a written petition, conforming to Chapter 150B of North Carolina General Statutes, and filed with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. Unless such demands are made, this permit shall be final and binding.

If you need additional information concerning this matter, please contact Sharon Moran at (910) 916-3489 or via e-mail at sharon.moran@deq.nc.gov.

Sincerely,

DocuSigned by:

CCA0697813D247D...

Chad Turlington, Assistant Regional Supervisor
Water Quality Regional Operations Section
Fayetteville Regional Office
Division of Water Resources, NCDEQ

cc: Mark Lacy, LKC Engineering PLLC, 140 Aqua Shed Court, Aberdeen, NC 28315
Emily Yopp
Laserfiche File




WASTEWATER COLLECTION SYSTEM EXTENSION PERMIT

In accordance with the provisions of Article 21 of Chapter 143, General Statutes of North Carolina as amended, and other applicable Laws, Rules, and Regulations, permission is hereby granted to

Town of Carthage
Moore County

for the construction and operation of approximately 1718 linear feet of 12-inch gravity sewer, approximately 143 linear feet of 4-inch force main to serve the 24-27 Water & Sewer Relocation U-3628 Project, (Rehabilitation) and the discharge of 0 gallons per day of collected domestic wastewater to the Moore County PCF existing sewerage system, pursuant to the application received April 28, 2025 , and in conformity with 15A NCAC 2T; the Division's Gravity Sewer Minimum Design Criteria adopted February 12, 1996 as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 as applicable; and other supporting data subsequently filed and approved by the Department of Environmental Quality and considered a part of this permit.

This permit shall be effective from the date of issuance until rescinded and shall be subject to the specified conditions and limitations contained therein.

DocuSigned by:

CCA0697813D247D...

Chad Turlington, Assistant Regional Supervisor
Division of Water Resources, NCDEQ
By Authority of The Environmental Management Commission

Permit Number: **WQ0046412**
Permit Issued: **April 30, 2025**

SUPPLEMENT TO PERMIT COVER SHEET

Town of Carthage is hereby authorized to:

Construct, and then operate upon certification the aforementioned wastewater collection extension. The sewage and wastewater collected by this system shall be treated in the Moore County PCF in accordance with Permit Number NC0037508.

Permitting of this project does not constitute an acceptance of any part of the project that does not meet 15A NCAC 2T; the Division's Gravity Sewer Minimum Design Criteria adopted February 12, 1996 as applicable; and the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 as applicable, unless specifically mentioned herein. Division approval is based on acceptance of the certification provided by a North Carolina-licensed Professional Engineer in the application. It shall be the Permittee's responsibility to ensure that the as-constructed project meets the appropriate design criteria and rules.

II. STANDARD CONDITIONS

1. This permit shall not be transferable. In the event there is a desire for the wastewater collection facilities to change ownership, or there is a name change of the Permittee, a formal permit request shall be submitted to the Division accompanied by documentation from the parties involved, and other supporting materials as may be appropriate. The approval of this request shall be considered on its merits and may or may not be approved. [15A NCAC 02T.0104; G.S 143-215.1(d3)]
2. This permit shall become voidable unless the wastewater collection facilities are constructed in accordance with the conditions of this permit; 15A NCAC 2T; the Division's Gravity Sewer Minimum Design Criteria adopted February 12, 1996 as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 as applicable; and other supporting materials unless specifically mentioned herein. [15A NCAC 02T.0110]
3. This permit shall be effective only with respect to the nature and volume of wastes described in the application and other supporting data. [15A NCAC 02T .0110]
4. The wastewater collection facilities shall be properly maintained and operated at all times. The Permittee shall maintain compliance with an individual system-wide collection system permit for the operation and maintenance of these facilities as required by 15A NCAC 2T .0403. If an individual permit is not required, the following performance criteria shall be met: [15A NCAC 02T .0108(b)]:
 - a. The sewer system shall be effectively maintained and operated at all times to prevent discharge to land or surface waters, and to prevent any contravention of groundwater standards or surface water standards.
 - b. A map of the sewer system shall be developed and shall be actively maintained.
 - c. An operation and maintenance plan including pump station inspection frequency, preventative maintenance schedule, spare parts inventory and overflow response has been developed and implemented.

- d. Pump stations that are not connected to a telemetry system shall be inspected every day (i.e. 365 days per year). Pump stations that are connected to a telemetry system shall be inspected at least once per week.
 - e. High-priority sewer lines shall be inspected at least once per every six-months and inspections are documented.
 - f. A general observation of the entire sewer system shall be conducted at least once per year.
 - g. Overflows and bypasses shall be reported to the appropriate Division regional office in accordance with 15A NCAC 2B .0506(a), and public notice shall be provided as required by North Carolina General Statute §143-215.1C.
 - h. A Grease Control Program is in place as follows:
 - 1. For public owned collection systems, the Grease Control Program shall include at least biannual distribution of educational materials for both commercial and residential users and the legal means to require grease interceptors at existing establishments. The plan shall also include legal means for inspections of the grease interceptors, enforcement for violators and the legal means to control grease entering the system from other public and private satellite sewer systems.
 - 2. For privately owned collection systems, the Grease Control Program shall include at least bi-annual distribution of grease education materials to users of the collection system by the permittee or its representative.
 - 3. Grease education materials shall be distributed more often than required in Parts (1) and (2) of this Subparagraph if necessary to prevent grease-related sanitary sewer overflows.
 - i. Right-of-ways and easements shall be maintained in the full easement width for personnel and equipment accessibility.
 - j. Documentation shall be kept for Subparagraphs (a) through (i) of this Rule for a minimum of three years with exception of the map, which shall be maintained for the life of the system.
5. The Permittee shall report by telephone to a water resources staff member at the Fayetteville Regional Office, telephone number (910) 433-3300, as soon as possible, but in no case more than 24 hours, following the occurrence or first knowledge of the occurrence of either of the following:
- a. Any process unit failure, due to known or unknown reasons, that renders the facility incapable of adequate wastewater transport, such as mechanical or electrical failures of pumps, line blockage or breakage, etc.; or
 - b. Any SSO and/or spill over 1,000 gallons; or
 - c. Any SSO and/or spill, regardless of volume, that reaches surface water

Voice mail messages or faxed information is permissible, but this shall not be considered as the initial verbal report. Overflows and spills occurring outside normal business hours may also be reported to the Division of Emergency Management at telephone number (800) 858-0368 or (919) 733-3300. Persons reporting any of the above occurrences shall file a spill report by completing and submitting Part I of Form CS-SSO (or the most current Division approved form) within five days following first knowledge of the occurrence. This report must outline the actions taken or proposed to be taken to ensure that the problem does not recur. Part II of Form CS-SSO (or the most current Division approved form) can also be completed to show that the SSO was beyond control. [G.S. 143-215.1C(a1)]

6. Construction of the gravity sewers, pump stations, and force mains shall be scheduled so as not to interrupt service by the existing utilities nor result in an overflow or bypass discharge of wastewater to the surface waters of the State. [15A NCAC 02T.0108(b)]
7. Upon completion of construction and prior to operation of these permitted facilities, the completed Engineering Certification form with checklist attached to this permit shall be submitted with the required supporting documents to the address provided on the form. A complete certification is one where the form is fully executed and the supporting documents are provided as applicable. Any wastewater flow made tributary to the wastewater collection system extension prior to completion of this Engineer's Certification shall be considered a violation of the permit and shall subject the Permittee to appropriate enforcement actions.

If the permit is issued to a private entity with an Operational Agreement, then a copy of the Articles of Incorporation, Declarations/Covenants/Restrictions, and Bylaws that have been appropriately filed with the applicable County's Register of Deeds office shall be submitted with the certification.

A complete certification is one where the form is fully executed and the supporting documents are provided as applicable. Supporting documentation shall include the following:

- a. One copy of the project construction record drawings (plan & profile views of sewer lines & force mains) of the wastewater collection system extension. Final record drawings should be clear on the plans or on digital media (CD or DVD disk) and are defined as the design drawings that are marked up or annotated with after construction information and show required buffers, separation distances, material changes, etc.
- b. One copy of the supporting applicable design calculations including pipe and pump sizing, velocity, pump cycle times, and level control settings, pump station buoyancy, wet well storage, surge protection, detention time in the wet well, and force main, ability to flush low points in force mains with a pump cycle, and downstream sewer capacity analysis. If a portable power source or pump is dedicated to multiple stations, an evaluation of all the pump stations' storage capacities and the rotation schedule of the portable power source or pump, include travel timeframes, shall be provided.
- c. Changes to the project that do not result in non-compliance with this permit, regulations, or the Minimum Design Criteria should be clearly identified on the record drawings, on the certification in the space provided, or in written summary form.

Prior to Certification (Final or Partial): Permit modifications are required for any changes resulting in non-compliance with this permit (including pipe length changes of 10% or greater, increased flow, pump station design capacity design increases of 5% or greater, and increases in the number/type of connections), regulations, or the Minimum Design Criteria. Requested modifications or variances to the Minimum Design Criteria will be reviewed on a case-by-case basis and each on its own merit. Please note that variances to the Minimum Design Criteria should be requested and approved during the permitting process prior to construction. After-construction requests are discouraged by the Division and may not be approved, thus requiring replacement or repair prior to certification & activation. [15A NCAC 02T .0116]

8. Gravity sewers installed greater than ten percent below the minimum required slope per the Division's Gravity Sewer Minimum Design Criteria shall not be acceptable and shall not be certified until

corrected. If there is an unforeseen obstacle in the field where all viable solutions have been examined, a slope variance can be requested from the Division with firm supporting documentation. This shall be done through a permit modification with fee. Such variance requests will be evaluated on a case-by-case basis. Resolution of such request shall be evident prior to completing and submitting the construction certification. [15A NCAC 02T.0105(n)]

9. A copy of the construction record drawings shall be maintained on file by the Permittee for the life of the wastewater collection facilities. [15A NCAC 02T .0116]
10. Failure to abide by the conditions and limitations contained in this permit; 15A NCAC 2T; the Division's Gravity Sewer Design Criteria adopted February 12, 1996 as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Station and Force Mains adopted June 1, 2000 as applicable; and other supporting materials may subject the Permittee to an enforcement action by the Division, in accordance with North Carolina General Statutes §143-215.6A through §143-215.6C, construction of additional or replacement wastewater collection facilities, and/or referral of the North Carolina-licensed Professional Engineer to the licensing board. [15A NCAC 02T .0104; 15A NCAC 02T .0108(b-c)]
11. In the event that the wastewater collection facilities fail to perform satisfactorily, including the creation of nuisance conditions, the Permittee shall take immediate corrective action, including those as may be required by this Division, such as the construction of additional or replacement facilities. [15A NCAC 02T .0110; 15A NCAC 02T .0108(b)]
12. The issuance of this permit shall not exempt the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by the Division any other Federal, State, or Local government agencies which have jurisdiction or obtaining other permits which may be required by the Division or any other Federal, State, of Local government agencies. [G.S. 143-215.1(b)]

CERTIFICATION CHECKLIST

To be completed by the certifying engineer prior to operation of the permitted sewers, per 15A NCAC 02T.0116.

Certifying Engineer: _____

Certification Review Date: _____

Project Name: _____

WQ00 _____ **Project County:** _____

- 1) Has permittee information changed since the permit was issued (or last modified): change of mailing address, change of ownership, transfer from developer to HOA/POA, etc. ☐ Yes ☐ No
 - If yes, please provide either a change of ownership form or new contact information. Note that transfer of permits from the developer to the HOA/POA must occur with the first certification.
 - 2) Have the as-built drawings have been signed, sealed, and dated by an N.C. PE? ☐ Yes ☐ No
 - 3) Final Engineering certification? ☐ Yes ☐ No
 - **If Partial Engineering certification, provide detailed narrative including what is being certified in the current phase, what was previously certified (if applicable), and what is left to be certified.**
 - 4) Adequate information related to sewer lines: ☐ Yes ☐ No ☐ N/A
 - Three feet minimum cover has been provided for all sewers unless ferrous pipe was installed.
 - Minimum diameters for gravity sewers are 8-inches for public lines and 6-inches for private lines.
 - Manholes have been installed: At the end of each line, at all changes in grade, size, or alignment, at all intersections, and at distances not greater than 425 feet; minimum diameter shall be 4 feet (48-inches).
 - 5) Adequate information related to pump stations: ☐ Yes ☐ No ☐ N/A
 - Ensure power reliability option was selected per [15A NCAC 02T.0305\(h\)](#).
 - 6) Was project construction completed in accordance with all of the following: ☐ Yes ☐ No ☐ N/A
 - [15A NCAC 02T, Minimum Design Criteria \(MDC\) for the permitting of Gravity Sewers](#) (latest version), and [MDC for the Permitting of Pump Stations and Force Mains](#) (latest version)?
- If not, a variance approval is required in accordance with [15A NCAC 02T.0105\(b\)](#), **prior to certification and operation.**
- Contact the Central Office to discuss the variance to determine a course of action.
 - Applicant must submit two copies of the variance request form, plans, specifications, calculations, and any other pertinent information to the Central Office (one hard copy, one digital copy).
 - The central office will review the variance request, and if approvable, specific language regarding the variance will be incorporated into the permit, either via a special condition or a supplementary letter. A copy of the reissued permit with variance language or the variance letter must be maintained with the original documents.
- 7) Does the project contains high priority lines ([15A NCAC 02T .0402\(2\)](#))? ☐ Yes ☐ No
 - If yes, ensure that the permit already contains the necessary condition related to high priority lines 15A NCAC 02T.0403 (a)(5). If the permit does not include this language, the Fast Track reviewer will reissue the permit with the appropriate language.
 - 8) Are Permit modifications are required for any changes resulting in non-compliance with this permit (including but not limited to pipe length changes of 10% or greater, change in flow, pump station design capacity design change of 5% or greater, and/or change in the number/type of connections)? ☐ Yes ☐ No
 - If yes, a permit modification request must be submitted to the appropriate Regional Office, and **a modified permit with revised certification must be issued prior to certification and operation.**

PERMITTEE: Town of Carthage
PERMIT #: WQ0046412
PROJECT: 24-27 Water & Sewer Relocation U-3628
ISSUE DATE: April 30, 2025

This project shall not be considered complete nor allowed to operate in accordance with Condition 7 of this permit until the Division has received this Certification and all required supporting documentation. It should be submitted in a manner that documents the Division's receipt. Send the required documentation the Regional Supervisor, Water Quality Regional Operations Section at the address at the bottom.

Any wastewater flow made tributary to the wastewater collection system extension prior to completion of this Certification shall be considered a violation of the permit and shall subject the Permittee to appropriate enforcement actions. The Permittee is responsible for tracking all partial certifications up until a final certification is received. A Final Certification shall be a complete set of record drawings and design calculations regardless of whether partials have been submitted.

PERMITTEE'S CERTIFICATION

I, the undersigned agent for the Permittee, hereby state that this project has been constructed pursuant to the applicable standards & requirements, the Professional Engineer below has provided applicable design/construction information to the Permittee, and the Permittee is prepared to operate & maintain the wastewater collection system permitted herein or portions thereof.

Printed Name, Title

Signature

Date

ENGINEER'S CERTIFICATION

I, _____, as a duly registered Professional Engineer in the State of North Carolina, having been authorized to observe (☐ periodically, ☐ weekly, ☐ full time) the construction of the project name and location as referenced above for the above Permittee hereby state that, to the best of my abilities, due care and diligence was used in the observation of the construction such that the construction was observed to be built within substantial compliance of this permit; 15A NCAC 02T; the Division of Water Resources' (Division) Gravity Sewer Minimum Design Criteria adopted February 12, 1996 as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 as applicable; and other supporting materials.

North Carolina Professional Engineer's Seal w/signature & date:

☐ **Final** ☐ **Partial (include description)**



Certification Comments/Qualifiers (attach if necessary):

[illegible]

North Carolina Department of Transportation

NEPA/SEPA Consultation Form

STIP Project No.	U-3628
WBS Element	44672.1.1
Federal Aid Project No.	STP-0024(078)

A. Project Description, Location, and Purpose:

The North Carolina Department of Transportation (NCDOT) is proposing to widen a section of NC 24-27 in Carthage located in Division 8. The project limits are from the courthouse west of NC 22 (McNeill Street) to US 15-501. The total project length is approximately 1.031 miles. The project consists of resurfacing an existing three lane section and widening an existing two-lane section to three lanes. The purpose of the project is to improve operations and provide pedestrian accommodations.

B. Consultation Phase: (Check one)

- ☐ Right-of-Way
- ☒ Construction
- ☐ Other: Identify the trigger – (e.g., design change, change in impacts)

C. NEPA/SEPA Class of Action Initially Approved as: (Check one)

- ☒ FHWA Class II (CE) 1/2/2018

Additional Notes: **CE Type III**

D. Changes in Proposed Action & Environmental Consequences:

There are no changes in proposed action or environmental impacts that would require any permits. A construction consultation was completed on August 7, 2024. A new consultation is being completed to ensure that documentation is no older than one year at the time of project letting on September 16, 2025.

E. Conclusion:

The above NEPA/SEPA documentation has been reevaluated (as required by either 23 CFR 771 or by NC General Statute Chapter 113A Article 1). It has been determined that

the current proposed action is essentially the same as the original proposed action. Proposed changes, if any, are noted in Section D. It has been determined that anticipated social, economic, and environmental impacts were accurately described in the above referenced document(s) unless noted otherwise herein. Therefore, the original Administration Action remains valid.

F. Coordination

Appropriate personnel have discussed the current project parameters with qualified agency representatives and NCDOT/FHWA (where applicable). The Project Manager, Michael Ricketts (NCDOT), hereby verifies the involvement of the following staff and the incorporation of their technical input:

Design Engineer:	Michael Ricketts, PE	5/27/2025
Environmental Specialist:	Rex Badgett	5/27/2025
FHWA (if applicable):	Name	Date
Other:	Name (Org)	Date

G. Consultation Approval for Project U-3628

Prepared By:

05/27/2025

Date

DocuSigned by:

Michael Ricketts

3B420DAD60B44EB...

Michael Ricketts, PE, Division Design/Construct Engineer
North Carolina Department of Transportation

Prepared For:

NCDOT, Division 8

Reviewed By:

05/28/2025

Date

DocuSigned by:

Rex Badgett

B3A8B8D1E4C2475...

Rex Badgett, Environmental Specialist II, Division 8
North Carolina Department of Transportation



Approved

In adherence with 23 CFR 771 (NEPA) or NC General Statute Chapter 113A Article 1 (SEPA), NCDOT approves this Consultation.

or



Certified

NCDOT staff certifies if FHWA signature was previously required or where changes have resulted in FHWA signature being required.

05/28/2025

Date

DocuSigned by:

RE Blakley, PE

15CF964ED85F4DE...

Reuben Blakley, PE – Division Engineer – Division 8
North Carolina Department of Transportation

FHWA Approved: FHWA signature required for Type I or II CE with Substantial Changes, Type III CE, FONSI or ROD.

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

H. Project Commitments (as of 5/27/2025)

**TIP No. U-3628
NC 24-27 Widening to Three Lane Section with Sidewalk
Moore
Federal Aid Project No. STP-0024(078)
WBS No. 44672.1.1**

Division 8 Construction – Parcel 5

An intermediate contract time (ICT) will be placed in the construction contract to limit work on Parcel #5 to weekend work only. This will be done at the request of the property owner so as not to disrupt business operations at this location.

North Carolina Department of Transportation

NEPA/SEPA Consultation Form

STIP Project No.	U-3628
WBS Element	44672.1.1
Federal Aid Project No.	STP-0024(078)

A. Project Description, Location, and Purpose:

The North Carolina Department of Transportation (NCDOT) is proposing to widen a section of NC 24-27 in Carthage located in Division 8. The project limits are from the courthouse west of NC 22 (McNeill Street) to US 15-501. The total project length is approximately 1.031 miles. The project consists of resurfacing an existing three lane section and widening an existing two-lane section to three lanes. The purpose of the project is to improve operations and provide pedestrian accommodations.

B. Consultation Phase: (Check one)

- ☐ Right-of-Way
- ☒ Construction
- ☐ Other: Identify the trigger – (e.g., design change, change in impacts)

C. NEPA/SEPA Class of Action Initially Approved as: (Check one)

- ☒ FHWA Class II (CE) 1/2/2018

Additional Notes: **CE Type III**

D. Changes in Proposed Action & Environmental Consequences:

Bike lanes were removed from the scope of the project at the request of the Town of Carthage due to the estimated cost share requirements. The Town agreed to continue with a sidewalk along one side of the project. There are no permits required for this project due to environmental impacts.

E. Conclusion:

The above NEPA/SEPA documentation has been reevaluated (as required by either 23 CFR 771 or by NC General Statute Chapter 113A Article 1). It has been determined that

the current proposed action is essentially the same as the original proposed action. Proposed changes, if any, are noted in Section D. It has been determined that anticipated social, economic, and environmental impacts were accurately described in the above referenced document(s) unless noted otherwise herein. Therefore, the original Administration Action remains valid.

F. Coordination

Appropriate personnel have discussed the current project parameters with qualified agency representatives and NCDOT/FHWA (where applicable). The Project Manager, Michael Ricketts (NCDOT), hereby verifies the involvement of the following staff and the incorporation of their technical input:

Design Engineer:	Michael Ricketts, PE	8/7/2024
Environmental Specialist:	Rex Badgett	8/7/2024
FHWA (if applicable):	Name	Date
Other:	Name (Org)	Date

G. Consultation Approval for Project U-3628

Prepared By:

08/07/2024

Date

DocuSigned by:

Michael Ricketts

3B420DAD60B44EB...

Michael Ricketts, PE, Division Design/Construct Engineer
North Carolina Department of Transportation

Prepared For:

NCDOT, Division 8

Reviewed By:

08/07/2024

Date

DocuSigned by:

Rex Badgett

B3A8B8D1E4C2475...

Rex Badgett, Environmental Specialist II, Division 8
North Carolina Department of Transportation



Approved

In adherence with 23 CFR 771 (NEPA) or NC General Statute Chapter 113A Article 1 (SEPA), NCDOT approves this Consultation.

or



Certified

NCDOT staff certifies if FHWA signature was previously required or where changes have resulted in FHWA signature being required.

08/07/2024

Date

DocuSigned by:

RE Blakley, PE

15CF964ED85F4DE...

Reuben Blakley, PE – Division Engineer – Division 8
North Carolina Department of Transportation

FHWA Approved: FHWA signature required for Type I or II CE with Substantial Changes, Type III CE, FONSI or ROD.

08/07/2024

DocuSigned by:
Nick Morrison

B0EF456285AD4CA...

Date

for

Yolonda K. Jordan, Division Administrator
Federal Highway Administration

H. Project Commitments (as of 6-30-2025)

**TIP No. U-3628
NC 24-27 Widening to Three Lane Section with Sidewalk
Moore
Federal Aid Project No. STP-0024(078)
WBS No. 44672.1.1**

1. Division 8 Construction – Parcel 5

An intermediate contract time (ICT) will be placed in the construction contract to limit work on Parcel #5 to weekend work only. This will be done at the request of the property owner so as not to disrupt business operations at this location.

2. Commitment Number 1 Above:

The Green Sheet commitment #1 was fulfilled on 6-30-2025 by not having an ICT for weekend work only on Parcel #5 and instead having Notes to Contractor requiring the Contractor to coordinate construction activities with the Parcel's representatives prior to construction so as not to conflict the operations.

Town of Carthage

Town Manager
Thomas Robinson

Town Clerk
Dorothy Dutton

Finance Officer
Kesha Matthews

Director of Public Works
Kevin Kimball



Mayor
Lee McGraw

Commissioners
Milton "T" Dowdy, Jr.
Mayor Pro-Tem

Jimmy Chalflinch
George H. Wilson, Jr.
Marc Phillips
Christopher M. Nance

Ms. Alison W. Kluttz, PE, CPM
Division Project Development Engineer
NCDOT Highway Division 08
902 North Sandhills Boulevard
Aberdeen, NC 28315

RE: Follow up to March 22 letter on cost share for STIP Project U-3628

Dear Ms. Kluttz,

I appreciate you, Mr. Morgan and Mr. Davis meeting with me and my staff Monday to go over your March 22 letter and the detail sheets for STIP Project U-3628, Monroe Street in Carthage, NC. We are very eager for this improvement to take place including the addition of a sidewalk on one side of the roadway. Unfortunately, as I suspected, my Board agreed that the Town does not have the funds to participate in the \$159,600 cost share for the two bike lanes. The Board did vote to fund the \$10,850 cost match for the sidewalk improvements. We understand at some point before the contract is let for this project that the Town will need to sign an agreement for the matching funds. In its motion to approve the sidewalk match, the Carthage Board of Commissioners expressed a desire to continue to pursue other ways of providing funding for the bike lanes as these lanes are part of a larger regional bike system for the County and are important for the Town's future mobility.

Sincerely,

Thomas B. Robinson
Town Manager

Cc: Kevin Kimball, Kathy Liles, Kesha Mathews, Dorothy Dutton



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

March 22, 2018

Mr. Thomas B. Robinson
Town Manager, Town of Carthage
4396 Hwy 15-501
Carthage, NC 28327

Reference: Town of Carthage's Cost-Share to Incorporate Pedestrian Facilities
STIP Project U-3628, NC 24/27 Improvements, Carthage, NC

Dear Mr. Robinson:

The North Carolina Department of Transportation (NCDOT) has been planning and preparing a design to improve NC 24/27 from the Courthouse west of NC 22 (McNeill Street) to US 15-501 in Carthage. These project planning activities been conducted in accordance with the North Carolina State Environmental Policy Act (SEPA).

As part of the SEPA process, the Division staff held a scoping meeting on-site on 6/17/2016 and representatives from the Town of Carthage, Ms. Cathy Liles and Mr. Rocky Davis were both present to provide input on the project. As a result of the input, pedestrian facilities and other improvements have been requested for the project. The requested facilities include sidewalks and bike lanes. Per NCDOT policy, these facilities and associated improvements have a cost-sharing component for the Town, as follows:

Bike Lanes:..... Bike lanes are requested on both sides of NC 24/27 from East Barrett Street to US 15-501. The Town's cost-share is the cost of the additional pavement width required to construct a dedicated 5-foot bike lane when compared to the pavement width required for a shared bike lane. A shared bike lane is an extra wide travel lane (14') where the Department would provide at no cost to the Municipality. Therefore, the cost-share differential is 3-feet of additional pavement width in each direction for the desired length.

Sidewalks: Sidewalks are requested along NB NC 24/27 from East Barrett Street to US 15-501 and along SB NC 24/27 from Vass Road to US 15-501. The Town's cost-share is 20% of the cost of a 5-foot wide concrete sidewalk.

The Town's cost-share for the project is currently estimated to be \$170,500. Please refer to the attachment for a cost breakdown.

If the Town desires the above-mentioned facilities be constructed as part of the U-3628 project, please provide written notification to NCDOT that the Town will participate in the cost-share and

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS, DIVISION 8
902 NORTH SANDHILLS BOULEVARD
ABERDEEN, NC 28315

Telephone: (910) 944-2344
Fax: (910) 944-5623
Customer Service: 1-877-368-4968

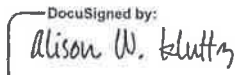
Website: www.ncdot.gov

Location:
902 NORTH SANDHILLS BOULEVARD
ABERDEEN, NC 28315

will accept full responsibility for all liability and maintenance required for the sidewalks upon completion of construction. This notification is requested within 30-days of your receipt of this correspondence. An executed agreement between the Town of Carthage and NCDOT will be required prior to advertising the project for construction.

If additional information is needed or if you have any questions, please contact Mr. Greg Davis, PE at (910) 944-2344 or gsdavis@ncdot.gov.

Sincerely,

DocuSigned by:

9BA03A5230E54E1...

Alison W. Kluttz, PE, CPM
Division Project Development Engineer
NCDOT Highway Division 08

Attachment

COST SHARE COMPARISON

PROJECT NO.: U-3628
COUNTY: MOORE

COMPUTED BY: GSD
CHECKED BY: AWK

ITEM	AREA	COST
SIDEWALK (20% of Total Area)	310 SY	\$10,850
BIKE LANE	2715 SY	\$159,600
Total		\$170,450
SAY	*	\$170,500

* Average bid prices used in estimating unit cost.

CALCULATION OF QUANTITIES

PROJECT TIP NUMBER: U-3628
 CONSTRUCTION WBS NUMBER: 44672.3.1
 COUNTY: MOORE
 FEDERAL AID NUMBER: 4467201

TOTAL LENGTH [USE EXACT THREE (3) FIGURES BEYOND DECIMAL]

STA.	<u>13+95</u>	TO STA.	<u>68+23.86</u>	=	<u>5428.86</u>	LIN. FT.
STA.	<u></u>	TO STA.	<u></u>	=	<u></u>	LIN. FT.
STA.	<u></u>	TO STA.	<u></u>	=	<u></u>	LIN. FT.
STA.	<u></u>	TO STA.	<u></u>	=	<u></u>	LIN. FT.
STA.	<u></u>	TO STA.	<u></u>	=	<u></u>	LIN. FT.
STA.	<u></u>	TO STA.	<u></u>	=	<u></u>	LIN. FT.
STA.	<u></u>	TO STA.	<u></u>	=	<u></u>	LIN. FT.
STA.	<u></u>	TO STA.	<u></u>	=	<u></u>	LIN. FT.

TOTAL LENGTH * = 5428.86 LIN. FT. / 5,280 = 1.028 MILES

STRUCTURE LENGTHS

STA.	<u></u>	TO STA.	<u></u>	=	<u></u>	LIN. FT.
STA.	<u></u>	TO STA.	<u></u>	=	<u></u>	LIN. FT.
STA.	<u></u>	TO STA.	<u></u>	=	<u></u>	LIN. FT.
STA.	<u></u>	TO STA.	<u></u>	=	<u></u>	LIN. FT.
STA.	<u></u>	TO STA.	<u></u>	=	<u></u>	LIN. FT.

LENGTH OF STRUCTURES * = N/A LIN. FT. / 5,280 = MILES

ROADWAY LENGTH (LESS STRUCTURES) = 1.028 MILES

NOTE: USED -L- LANE FOR LENGTH

* LENGTH SHOWN TO THREE (3) DECIMAL PLACES USING NORMAL ROUNDING.

Computed by: DDC Checked by: Michael Ricketts
 (Please Print Name) (Please Print Name)

TOTAL: 1 LS

CONSTRUCTION SURVEYING

TOTAL: 1 LS

(SEE LUMP SUM GRADING SPREADSHEET)

PROJECT NO.: U-3628
 COMPUTED BY: DDC
 CHECKED BY: MER

SHEET OF

SECTION: 226

GRADING (LUMP SUM)

(THIS COMPUTATION SHEET APPLIES ONLY TO PROJECTS WHICH HAVE BEEN PREDETERMINED TO USE THIS PAY ITEM. SEE ROADWAY DESIGN MANUAL, PART I, 11-6)

ITEM	QUANTITIES	UNIT	UNIT PRICE	PRICE
CLEARING AND GRUBBING	<u>0.50</u>	ACRES	\$ 15,000.00	<u>\$ 15,000.00</u>
UNCLASSIFIED EXCAVATION	<u>110</u>	YD ³	\$ 30.00	<u>\$ 3,300.00</u>
BORROW EXCAVATION	<u>3,350</u>	YD ³	\$ 30.00	<u>\$ 100,500.00</u>
SHOULDER BORROW	<u></u>	YD ³	\$ 20.00	<u>\$ -</u>
FINE GRADING	<u>1,620</u>	YD ²	\$ 8.00	<u>\$ 12,960.00</u>
REMOVAL OF EXISTING ASPHALT PAVEMENT	<u>920</u>	YD ²	\$ 10.00	<u>\$ 9,200.00</u>
REMOVAL OF EXISTING CONCRETE PAVEMENT	<u></u>	YD ²	\$ 25.00	<u>\$ -</u>
BREAKING OF EXISTING ASPHALT PAVEMENT	<u></u>	YD ²	\$ 4.00	<u>\$ -</u>
BREAKING OF EXISTING CONCRETE PAVEMENT	<u></u>	YD ²	\$ 12.00	<u>\$ -</u>
			TOTAL	<u>\$ 140,960.00</u>

IF THE SUMMATION OF THE ITEM AMOUNTS IS \$1,000,000.00 OR LESS, THEN THE GRADING MAY BE LET ON A "LUMP SUM" BASIS WITH CONCURRENCE OF THE DIVISION ENGINEER. IF THE COST OF ANY ONE OF THE ITEMS, EXCLUDING CLEARING AND GRUBBING AND FINE GRADING, IS 50% OR MORE OF THE TOTAL COST CALCULATED, THEN THAT ITEM SHALL BE INCLUDED AS AN INDIVIDUAL ITEM WITH THE OTHER ITEMS BEING DONE ON A "LUMP SUM GRADING" BASIS. A SPECIAL PROVISION WILL BE NEEDED IN THIS CASE AND THE PAY ITEM "GRADING" SHOULD BE INDICATED AS A "SP" IN THE ESTIMATE. IF THE SUM OF THE LUMP SUM ITEMS AMOUNTS EXCEEDS \$1,000,000.00 OR IS 25% OR MORE OF THE TOTAL COST OF THE PROJECT, THE PROJECT SHALL CONTAIN THE INDIVIDUAL ITEMS, IT WILL BE NECESSARY TO CALCULATE AND SHOW THE PAVEMENT STRUCTURE VOLUME ON THE SUMMARY OF EARTHWORK.

OTHER CONSIDERATIONS FOR LUMP SUM GRADING MAY UTILIZE A DOLLAR LIMIT. FOR EXAMPLE 3R PROJECTS WITH "TRENCHING & WIDENING" AND MINOR GRADING SHOULD BE CONSIDERED WHEN USE OF CROSS-SECTIONS FOR EARTHWORK BY THE RESIDENT ENGINEER IS NOT PRACTICAL. WHEN APPLYING LUMP SUM GRADING TO THESE SPECIAL APPLICATIONS, APPROVAL BY THE ASSISTANT STATE ROADWAY DESIGN ENGINEER AND PROPOSALS AND CONTRACTS SECTION ENGINEER IS REQUIRED ON A PROJECT-BY-PROJECT BASIS.

* LIST ALL QUANTITIES ON THE CALCULATION SHEET EVEN IF THE PAY ITEM PRICE EXCEEDS 50% OR MORE OF THE TOTAL COST.

UNDERCUT

DDC PROJECT, NO GEOTECHNICAL ENGINEERING REPORT

100 CY CONTINGENCY

TOTAL 100 CY

[illegible]

SELECT GRANULAR MATERIAL

DDC PROJECT, NO GEOTECHNICAL ENGINEERING REPORT

TOTAL SELECT GRANULAR MATERIAL = 100 CY

SAY 100 CY

GEOTEXTILE FOR SOIL STABILIZATION

DDC PROJECT, NO GEOTECHNICAL ENGINEERING REPORT

TOTAL = 200 SY FOR ROADWAY

PROJECT NO. : U-3628

COMPUTED BY: DDC

CHECKED BY: MER

SHEET OF

SECTION: 300

FOUNDATION CONDITIONING MATERIAL MINOR STRUCTURES

<u>1940</u>	LIN. FT	X	0.106	=	<u>205.64</u> TONS
				SAY	<u>210</u> TONS
				FOR UTILITIES:	50
				SAY	<u>50</u>
				TOTAL	<u>260</u>

FOUNDATION CONDITIONING GEOTEXTILE

<u>1940</u>	LIN. FT	X	6 FT / 18	=	<u>646.67</u> SY
				SAY	<u>650</u> SY
				FOR UTILITIES:	160
				SAY:	<u>160</u>
				TOTAL	<u>810</u>

CHECKED BY:

PROJECT NO.:U-3628
COMPUTED BY:DDC
CHECKED BY:MER

SECTION654

1.5" MILLING

LINE	STATION	STATION	LENGTH (FT)	AREA (SF)	AREA (SY)
-L-	13+95	34+21		89665	9963
-L-	34+21	42+26		35399	3933
-L-	65+00	68+24		17083	1898
				TOTAL	15794
				SAY	15800

INCIDENTAL MILLING

TOTAL: 250 SY (CONTINGENCY)

LINE	BEG STA.	END STA.	LENGTH	AREA / W	W1	DEPTH	TONS
FULL DEPTH PAVEMENT							
-L- RT	42+75	45+29		2314		4	58.62
-L- RT	45+55	48+44		4539		4	114.99
-L- RT	48+76	50+34		2104		4	53.30
-L- RT	50+67	54+62		2269		4	57.48
-L- RT	55+04	55+52		158		4	4.00
-L- LT	56+29	58+31		233		4	5.90
-L- RT	56+62	57+07		78		4	1.98
-L- RT	57+77	58+32		53		4	1.34
-L- LT	58+92	62+37		674		4	17.07
-L- RT	59+79	60+94		201		4	5.09
-L- RT	61+36	64+98		1195		4	30.27
-L- RT	65+60	68+03		711		4	18.01
						SHEET TOTAL	368.05
						SUB TOTAL	368.05

LINE	BEG STA.	END STA.	LENGTH	AREA / W	W1	DEPTH	TONS
				SUBTOTAL (FROM PREVIOUS SHEETS)			368.05
PAVEMENT UNDER 2'6" C+G							
-L-			4720.00		3.000	4	358.72
						4	
						4	
						4	
						4	
						4	
						4	
						4	
						4	
						4	
						4	
						SHEET TOTAL	726.77
						SUBTOTAL	726.77

LINE	BEG STA.	END STA.	LENGTH	AREA / W	W1	DEPTH	TONS
				SUBTOTAL (FROM PREVIOUS SHEETS)			726.77
WEDGING							
-L-							143.54
						TOTAL	870.31
						SAY	880.00

LINE	BEG. STA.	END STA.	LENGTH	AREA / W	W1	DEPTH	TONS
FULL DEPTH PAVEMENT							
-L- RT	42+75	45+29		2314		4	58.62
-L- RT	45+55	48+44		4539		4	114.99
-L- RT	48+76	50+34		2104		4	53.30
-L- RT	50+67	54+62		2269		4	57.48
-L- RT	55+04	55+52		158		4	4.00
-L- LT	56+29	58+31		233		4	5.90
-L- RT	56+62	57+07		78		4	1.98
-L- RT	57+77	58+32		53		4	1.34
-L- LT	58+92	62+37		674		4	17.07
-L- RT	59+79	60+94		201		4	5.09
-L- RT	61+36	64+98		1195		4	30.27
-L- RT	65+60	68+03		711		4	18.01
						SHEET TOTAL	368.05
						SUBTOTAL	368.05

LINE	BEG. STA.	END STA.	LENGTH	AREA / W	W1	DEPTH	TONS
				SUBTOTAL (FROM PREVIOUS SHEETS)			368.05
WEDGING							
-L-							535.84
						TOTAL	903.89
						SAY	910.00

LINE	BEG. STA.	END STA.	LENGTH	AREA / W	W1	DEPTH	TONS
RESURFACING							
-L-	13+95	34+21		89665		1.5	821.93
-L-	34+21	68+24		137002		1.5	1255.85
						SHEET TOTAL	2077.78
						SUBTOTAL	2077.78

LINE	BEG. STA.	END STA.	LENGTH	AREA / W	W1	DEPTH	TONS
				SUBTOTAL (FROM PREVIOUS SHEETS)			2077.78
FULL DEPTH PAVEMENT							
-L- RT	42+75	45+29		2314		3	42.42
-L- RT	45+55	48+44		4539		3	83.22
-L- RT	48+76	50+34		2104		3	38.57
-L- RT	50+67	54+62		2269		3	41.60
-L- RT	55+04	55+52		158		3	2.90
-L- LT	56+29	58+31		233		3	4.27
-L- RT	56+62	57+07		78		3	1.43
-L- RT	57+77	58+32		53		3	0.97
-L- LT	58+92	62+37		674		3	12.36
-L- RT	59+79	60+94		201		3	3.69
-L- RT	61+36	64+98		1195		3	21.91
-L- RT	65+60	68+03		711		3	13.04
						SHEET TOTAL	2344.16
						SUBTOTAL	2344.16

LINE	BEG. STA.	END STA.	LENGTH	AREA / W	W1	DEPTH	TONS
				SUBTOTAL (FROM PREVIOUS SHEETS)			2344.16
WEDGING							
-L-							449.06
						TOTAL	2793.22
						SAY	2800.00

PROJECT NO.: U-3628
 COMPUTED BY: DDC
 CHECKED BY: MER

SHEET OF

SECTION: 620

ASPHALT BINDER FOR PLANT MIX

GRADE PG 64-22

SA-1		TONS	X	0.068	=		TONS
S4.75A		TONS	X	0.070	=		TONS
S9.5B	2,800	TONS	X	0.065	=	182.00	TONS
S9.5C		TONS	X	0.059	=		TONS
I19.0C	910	TONS	X	0.048	=	43.68	TONS
B25.0C	880	TONS	X	0.045	=	39.60	TONS
PADC, TYPE P-57		TONS	X	0.030	=		TONS
PADC, TYPE P-78M		TONS	X	0.030	=		TONS
PATCHING EXISTING PAVEMENT		TONS	X	0.048	=		TONS

SUBTOTAL TONS ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 = <u>265.28</u> TONS		
--	--	--

TOTAL TONS ASPHALT BINDER FOR PLANT MIX		
=	<u>265.28</u>	TONS
SAY	<u>270</u>	TONS

THIS SHEET IS SHOWING RATES FROM THE 2025 QMS ASPHALT MANUAL

SECTION 654

[illegible]

Right-of-Way Markers

TOTAL (EA): 24

SAY 24 Each

[illegible]

PROJECT NO.: U-3628

COMPUTED BY: DDC

CHECKED BY: MER

SHEET OF

SECTION: 848

4" CONCRETE SIDEWALK

LINE	STATION	STATION	LOCATION	LENGTH	WIDTH	SQUARE YARDS
-L-	34+21.99	37+08.82	RT	286.83	5	159.35
-L-	37+63.16	42+34.75	RT	471.59	5	261.99
-L-	42+95.53	45+26.27	RT	230.74	5	128.19
-L-	45+66.75	48+37.76	RT	271.01	5	150.56
-L-	48+75.62	50+29.00	RT	153.38	5	85.21
-L-	50+72.35	54+51.82	RT	379.47	5	210.82
-L-	55+14.46	55+70.79	RT	56.33	5	31.29
-L-	56+45.51	57+08.41	RT	62.9	5	34.94
-L-	57+61.44	58+33.56	RT	72.12	5	40.07
-L-	58+88.74	59+28.67	RT	39.93	5	22.18
-L-	59+79.57	60+89.15	RT	109.58	5	60.88
-L-	61+35.50	64+93.19	RT	357.69	5	198.72
-L-	65+49.31	67+18.71	RT	169.4	5	94.11
					TOTAL	1478.32
					SAY	1480

[illegible]

PROJECT NO.: U-3628
 COMPUTED BY: DDC
 CHECKED BY: MER

SHEET OF
 SECTION: 848

6" CONCRETE DRIVEWAY

LINE	STATION	LOCATION	WIDTH	SQUARE YARDS
L	22+68	RT	24	15.020
L	23+54	RT	20	12.798
L	25+08	RT	20	12.798
L	26+48	RT	20	12.798
L	27+69	RT	20	12.798
L	28+57	RT	28	17.243
L	31+40	RT	22	13.909
L	31+90	RT	20	12.798
L	32+46	RT	24	15.020
L	33+07	RT	24	15.020
L	34+03	RT	32	19.465
L	34+76	RT	36	21.687
L	35+32	RT	36	21.687
L	35+82	RT	34	20.576
L	35+92	LT	32	19.465
L	36+40	RT	24	15.020
L	36+45	LT	34	20.576
L	39+11	LT	22	13.909
L	39+80	LT	24	15.020
L	41+50	LT	23	13.909
L	42+88	LT	20	12.798
L	43+78	LT	20	12.798
L	44+16	LT	20	12.798
L	46+82	LT	20	12.798
L	47+83	LT	20	12.798
L	48+45	LT	20	12.798
			TOTAL	398.304
			SAY	400

REMOVE AND REPLACE CONCRETE CURB RAMPS

TOTAL: 2 EA

(2 OF THE PREVIOUSLY LISTED 32 RAMPS ON PAGE 25)

ADJUSTMENT OF CATCH BASINS

TOTAL: 2 EA

(CONTINGENCY FOR EXISTING STRUCTURES)

ADJUSTMENT OF MANHOLES

TOTAL: 12 EA

TOTAL: 2 EA

LINE	STATION	LOCATION	DITCH (Y/N)	PIPE DIAMETER	TONS
-L-	38+46	LT		30	4
				TOTAL	4
				SAY	5

[illegible]

[illegible]

**TRAFFIC CONTROL SECTION
ENGINEER'S ESTIMATE FORM**
2024 STANDARD SPECIFICATIONS

TIP No.:	<u>U-3628</u>	English
WBS No	<u>44672.3.1</u>	
NC Project No:	<u></u>	
FA-Project No:	<u>4467201</u>	
County:	<u>Moore</u>	
Description:	<u>NC27/24 (Monroe St)</u>	
	<u></u>	
	<u></u>	
	<u></u>	
	<u></u>	

Date of Estimate:	<u>6/12/2025</u>
Estimate Prepared By:	<u>Jesse Morris</u>
Estimate Reviewed By:	<u>Chris Silver</u>

Estimate Type:	<input type="checkbox"/> Scoping
	<input type="checkbox"/> Letting List Verification
	<input type="checkbox"/> Preliminary
	<input checked="" type="checkbox"/> Final

THIS SECTION FOR COST ESTIMATE USE	
<u>Scoping Cost</u>	
Traffic Control Devices:	<u></u>
Pavement Markings:	<u></u>
Pavement Markers:	<u></u>
Delineation:	<u></u>

ITEM NO.			ITEM DESCRIPTION	QUANTITY	UNIT
GRP CODE	DESC. NO.	SEC NO.			
Y	4400000000-E	1110	STATIONARY WORK ZONE SIGNS	48	SF
Y	4405000000-E	1110	PORTABLE WORK ZONE SIGNS	176	SF
Y	4430000000-N	1130	DRUMS	340	EA
Y	4435000000-N	1135	CONES	140	EA
Y	4447000000-E	SP	PEDESTRIAN CHANNELIZATION DEVICES	2824	LF
Y	4455000000-N	1150	FLAGGER (BY DAY)	120	DAY
Y	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM (SP)	3	EA
Y	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM (SP)	10	EA
Y	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM (SP)	2	EA
PM	4810000000-E	1205	PAINT (4")	11319	LF
PM	4820000000-E	1205	PAINT (8")	38	LF
PM	4845000000-N	1205	PAINT MARKING SYMBOLS	28	EA

U-3628 PAVEMENT MARKING QUANTITIES

<u>THERMOPLASTIC (6", 90 MILS)</u>			
T20	WHITE EDGELINE	2363 LF	
T21	WHITE SOLID LANE LINE	248 LF	
T23	3 FT - 9 FT/SP WHITE MINISKIP	89 LF	355 LINE LENGTH
T24	2 FT - 6 FT/SP WHITE MINISKIP	409 LF	1637 LINE LENGTH
T31	10 FT YELLOW SKIP	2046 LF	8185 LINE LENGTH
T32	YELLOW SINGLE CENTER	8185 LF	
T33	YELLOW DOUBLE CENTER	1876 LF	938 line length
TOTAL (6", 90 MILS)		15216 LF	

<u>THERMOPLASTIC (8", 90 MILS)</u>		
T40	WHITE GORELINE	145 LF
T41	WHITE DIAGONAL	117 LF
T46	WHITE CROSSWALK LINE	1414 LF
TOTAL (8", 90 MILS)		1676 LF

<u>THERMOPLASTIC (12", 90 MILS)</u>		
T52	YELLOW DIAGONAL	93 LF
TOTAL (12", 90 MILS)		93 LF

<u>THERMOPLASTIC (24", 90 MILS)</u>		
T61	WHITE STOPBAR	327 LF
T103	YIELD LINE PAVEMENT MARKING	35 LF
TOTAL (24", 90 MILS)		327 LF, 35 LF SPI

<u>THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)</u>		
T70	LEFT TURN ARROW	40 EA
T71	RIGHT TURN ARROW	2 EA
T74	COMBO RIGHT/STRAIGHT ARROW	6 EA
TOTAL PAVEMENT MARKING SYMBOLS (90 MILS)		48 EA

<u>POLYCARBONATE H-SHAPED MARKERS</u>		
	CRYSTAL & RED (@ 20 FT SPACING)	17 EA
	CRYSTAL & RED (@ 40 FT SPACING)	---
	CRYSTAL & RED (@ 80 FT SPACING)	---
	YELLOW & YELLOW (@ 20 FT SPACING)	---
	YELLOW & YELLOW (@ 40 FT SPACING)	21 EA
	YELLOW & YELLOW (@ 80 FT SPACING)	102 EA
TOTAL POLYCARBONATE H-SHAPED MARKERS		140 EA

Water & Sewer Quantities - 6/5/25

U-3628

ITEM NUMBER	CLASS	SECTION	UNIT	TYPE	TOTAL
5325200000-E	U	1510	LF	2" WATER LINE	180
5325300000-E	U	1510	LF	3" WATER LINE	140
5325600000-E	U	1510	LF	6" WATER LINE	2,350
5329000000-E	U	1510	LB	DUCTILE IRON WATER PIPE FITTINGS	3,000
5536000000-E	U	1515	EA	2" VALVE	2
5538000000-E	U	1515	EA	4" VALVE	1
5540000000-E	U	1515	EA	6" VALVE	15
5571400000-E	U	1515	EA	4" TAPPING SLEEVE & VALVE	1
5648000000-N	U	1515	EA	RELOCATE WATER METER	15
5649000000-N	U	1515	EA	RECONNECT WATER METER	5
5686500000-E	U	1515	LF	WATER SERVICE LINE	245
5686000000-E	U	1515	LF	2" WATER SERVICE LINE	20
5666000000-N	U	1515	EA	FIRE HYDRANT	1
5890000000-N	U	1510	EA	REMOVE FIRE HYDRANT	1
5673000000-E	U	1515	LF	FIRE HYDRANT LEG	10
5691500000-E	U	1520	LF	12" SANITARY GRAVITY SEWER	1,850
5768000000-N	U	1520	EA	SANITARY SEWER CLEAN-OUT	20
5768500000-E	U	1520	LF	SEWER SERVICE LINE	340
5775000000-E	U	1525	EA	4' DIA UTILITY MANHOLE	10
5781000000-E	U	1525	LF	UTILITY MANHOLE WALL 4' DIA	35
5798000000-E	U	1530	LF	ABANDON 2.5" UTILITY PIPE	130
5800000000-E	U	1530	LF	ABANDON 6" UTILITY PIPE	1,815
5804000000-E	U	1530	LF	ABANDON 12" UTILITY PIPE	1,715
5816000000-N	U	1530	EA	ABANDON UTILITY MANHOLE	6
5828000000-N	U	1530	EA	REMOVE UTILITY MANHOLE	1
5912000000-N	U	SP	LS	GENERIC UTILITY ITEM (TEMPORARY BYPASS PUMPING)	1
5835600000-E	U	1540	LF	12" ENCASEMENT PIPE	90
5872500000-E	U	1550	LF	BORE AND JACK OF 12" (STEEL CASING)	90
5872600000-E	U	1550	LF	DIRECTIONAL DRILLING OF 3" (HDPE WATER PIPE)	140
5888000000-E	U	SP	LF	12" DI SEWER W/EPOXY LINING	100

2024 English Standards & Quantity Estimates

CONTRACT # C205042

TIP # U-3628

PRIMARY ROUTE? YES

STANDARDS NEEDED:

1605.01 (TSF)

1606.01 (SSCF)

1607.01 (GCE)

1622.01 (TSDN)

1631.01 (MATT)

1632.01 (RIST-A)

1633.01 (SC-A)

1635.01 (PIST-A)

1640.01 (BAFFLE)

Name:

Project Engineer: Michael Ricketts

County: Moore

Letting: 9/16/2025

Div: 8

Concrete Washout Structure

Date: 05/22/25

Management Unit: DDRL

Mileage: 1.028 miles

SUMMARY SHEETS NEEDED:

-Stabilization Guidelines

REFORESTATION SHEETS:

OF YEARS FOR PROJECT CONSTRUCTION

2 YRS

MAINTENANCE FACTOR

2

CONSTRUCTION ENTRANCES

OF ENTRANCES:

FILTRATION GEOTEXTILE REQUIRED

CLASS A STONE REQUIRED

1

75 SY

25 TONS

SPECIAL STILLING BASINS

NO. OF DRILLED PIERS

OF SPECIAL STILLING BASINS

FILTRATION GEOTEXTILE REQUIRED

SEDIMENT CONTROL STONE

0

0 EA

0 SY

0 TON

OF SILT CHECKS TYPE A with MATTING & FLOCCULANT

MATTING FOR EROSION CONTROL REQUIRED

FLOCCULANT REQUIRED

4

20 SY

24 LB

OF TEMPORARY STREAM CROSSINGS

FILTRATION GEOTEXTILE REQUIRED

TEMPORARY PIPE FOR STREAM CROSSING

SEDIMENT CONTROL STONE

EROSION CONTROL STONE, CLASS B

0

0 SY

0 LF

0 TON

0 TON

OF CSX RAILROAD BRIDGE CROSSINGS

TEMPORARY SILT FENCE REQUIRED

FILTRATION GEOTEXTILE REQUIRED

0

0 LF

0 SY

ADDITIONAL PROJECT INFORMATION

RIPARIAN BUFFERS (50 FT.) ON PROJECT

HIGH QUALITY WATER (HQW) ON PROJECT

DESIGN STANDARDS IN SENSITIVE WATERSHEDS (DSSW)

303(d) STREAM FOR CONSTRUCTION-RELATED TURBIDITY

BORROW EXCAVATION QUANTITY

CRIMPING SP NEEDED ON PROJECT:

CCPCUA PERMIT AND SP REQUIRED :

NO

NO

NO

NO

0 CY

YES

NO

PROJECT IN FALLS LAKE WATERSHED

PROJECT IN JORDAN LAKE WATERSHED

EARTHEN DAM WITH SKIMMER USED

AESTHETIC LITTER PICKUP REQUESTED

COIR FIBER WATTLE SILT FENCE BREAK USED

NO

NO

NO

NO

NO

SPECIAL PROVISIONS NEEDED:

1. SEEDMIX TYPE: East

5. CRIMPING (add above Temp. Seeding)

15. MINIMIZE

16. MATERIALS MANAGEMENT

17. WASTE/BORROW

20. SAFETY FENCE

22. INFILTRATION BASIN

39. CONC. WASHOUT STR.

40. LITTER PICKUP (MOWING).

42. FABRIC INSERT INLET PROT

Project Quantities

ITEM NUMBER	SECTION	TRNS-PORT ITEM DESCRIPTION	QUANTITY	UNIT
0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	0	SY
1077000000-E	1005	#57 STONE	0	TON
3628000000-E	876	RIP RAP, CLASS I	0	TON
3635000000-E	876	RIP RAP, CLASS II	0	TON
3642000000-E	876	RIP RAP, CLASS A	0	TON
3649000000-E	876	RIP RAP, CLASS B	0	TON
3651000000-E	SP	BOULDERS	0	TON
3656000000-E	876	GEOTEXTILE FOR DRAINAGE	150	SY
6000000000-E	1605	TEMPORARY SILT FENCE	8475	LF
6006000000-E	1610	EROSION CONTROL STONE, CLASS A	50	TON
6009000000-E	1610	EROSION CONTROL STONE, CLASS B	420	TON
6012000000-E	1610	SEDIMENT CONTROL STONE	320	TON
6015000000-E	1615	TEMPORARY MULCHING	4.00	ACR
6018000000-E	1620	SEED FOR TEMPORARY SEEDING	200.00	LB
6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	1.00	TON
6024000000-E	1622	TEMPORARY SLOPE DRAINS	200	LF
6029000000-E	SP	SAFETY FENCE	60	LF
6030000000-E	1630	SILT EXCAVATION	880	CY
6036000000-E	1631	MATTING FOR EROSION CONTROL	1200	SY
6037000000-E	1629	COIR FIBER MAT	15	SY
6038000000-E	SP	PERMANENT SOIL REINFORCEMENT MAT - (TYPE 1)	0 SY	+
6038000000-E	SP	PERMANENT SOIL REINFORCEMENT MAT - (TYPE 2)	0 SY	0 SY
6038000000-E	SP	PERMANENT SOIL REINFORCEMENT MAT - (TYPE 3)	0 SY	0 SY
6038000000-E	SP	PERMANENT SOIL REINFORCEMENT MAT - (TYPE 4)	0 SY	0 SY
6038000000-E	SP	PERMANENT SOIL REINFORCEMENT MAT - (TYPE 5)	0 SY	0 SY
6042000000-E	1632	1/4" HARDWARE CLOTH	305	LF
6043000000-E	1644	LOW PERMEABILITY GEOTEXTILE	100	SY
6045000000-E	SP	*** TEMPORARY PIPE - (15")	0	LF
6045000000-E	SP	*** TEMPORARY PIPE - (18")	0	LF
6045000000-E	SP	*** TEMPORARY PIPE - (24")	0	LF
6045000000-E	SP	*** TEMPORARY PIPE - (36")	0	LF
6046000000-E	1636	TEMPORARY PIPE FOR STREAM CROSSING	0	LF
6048000000-E	SP	FLOATING TURBIDITY CURTAIN	0	SY
6069000000-E	1638	STILLING BASINS	0	CY
6070000000-N	1639	SPECIAL STILLING BASINS	0	EA
6071010000-E	1642	WATTLE	0	LF
6071012000-E	1642	COIR FIBER WATTLE	400	LF
6071013000-E	1642	WATTLE BARRIER	0	LF
6071014000-E	1642	COIR FIBER WATTLE BARRIER	0	LF
6071002000-E	1642	FLOCCULANT	265	LB
6071030000-E	1640	COIR FIBER BAFFLE	90	LF
6071050000-E	1644	*** SKIMMER - (1-1/2")	0	EA
6071050000-E	1644	*** SKIMMER - (2")	0	EA
6071050000-E	1644	*** SKIMMER - (2-1/2")	0	EA
6071050000-E	1644	*** SKIMMER - (3")	0	EA
6071050000-E	1644	*** SKIMMER - (4")	0	EA
6071050000-E	1644	*** SKIMMER - (5")	0	EA
6082000000-E	1657	COMPOST BLANKET	0	ACR
6084000000-E	1660	SEEDING AND MULCHING	3.00	ACR
6087000000-E	1660	MOWING	3.00	ACR
6090000000-E	1661	SEED FOR REPAIR SEEDING	50.00	LB
6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25	TON
6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	75.00	LB
6105000000-E	1663	WATER	0.0	M/G
6108000000-E	1665	FERTILIZER TOPDRESSING	1.75	TON
6111000000-E	SP	IMPERVIOUS DIKE	0	LF
6114500000-N	1667	SPECIALIZED HAND MOWING	10	MHR
6117000000-N	1675	RESPONSE FOR EROSION CONTROL	20	EA
6118000000-N	SP	ROOTWADS	0	EA
6120000000-E	SP	CULVERT DIVERSION CHANNEL	0	CY
6123000000-E	1670	REFORESTATION	0.00	ACR
6126000000-E	SP	STREAMBANK REFORESTATION	0.00	ACR
6129000000-E	SP	WETLAND REFORESTATION	0	ACR
6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	1	EA
6114800000-N	SP	MANUAL LITTER REMOVAL	0	MHR
6114900000-E	SP	LITTER DISPOSAL	0	TON
6115000000-E	SP	MECHANICAL LITTER REMOVAL	0	SMI
6132000000-N	SP	GENERIC EROSION CONTROL ITEM - FABRIC INSERT INLET PROTECTION - (TYPE 1)	64	EA
6132000000-N	SP	GENERIC EROSION CONTROL ITEM - FABRIC INSERT INLET PROTECTION - (TYPE 2)	0	EA
6132000000-N	SP	GENERIC EROSION CONTROL ITEM - FABRIC INSERT INLET PROTECTION CLEANOUT	192	EA
6135000000-E	SP	GENERIC EROSION CONTROL ITEM - DISKING	0	ACR
6135000000-E	SP	GENERIC EROSION CONTROL ITEM - RIPPING	0	ACR
6135000000-E	SP	GENERIC EROSION CONTROL ITEM - WETLAND GRASS PLANTING	0	ACR
6132000000-N	SP	GENERIC EROSION CONTROL ITEM - PREFABRICATED CONCRETE WASHOUT	0	EA

North Carolina Department Of Transportation
Project Quantities Estimate Report (Without break down)

<u>WBS</u>	<u>PROJECT</u>	<u>TIP NO.</u>	<u>FEDERAL AID NO.</u>	<u>COUNTY</u>
44672.3.1	C205042-SG	U-3628	4467201	MOORE
 <u>TYPE OF WORK:</u> GRADING, DRAINAGE, PAVING, AND SIGNALS.				
 <u>LOCATION:</u> NC-24/NC-27 FROM WEST OF NC-22 (MCNEILL ST) TO US-15/US-501.				

Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS					
7048500000-E	1705	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	8 EA		
7060000000-E	1705	SIGNAL CABLE	2,100 LF		
7120000000-E	1705	VEHICLE SIGNAL HEAD (12", 3 SECTION)	12 EA		
7264000000-E	1710	MESSENGER CABLE (3/8")	250 LF		
7288000000-E	1715	PAVED TRENCHING (*****) (1, 2")	25 LF		
7300000000-E	1715	UNPAVED TRENCHING (*****) (1, 2")	25 LF		
7324000000-N	1716	JUNCTION BOX (STANDARD SIZE)	5 EA		
7360000000-N	1720	WOOD POLE	3 EA		
7372000000-N	1721	GUY ASSEMBLY	8 EA		
7396000000-E	1722	1/2" RISER WITH WEATHERHEAD	4 EA		
7408000000-E	1722	1" RISER WITH WEATHERHEAD	2 EA		
7420000000-E	1722	2" RISER WITH WEATHERHEAD	3 EA		
7444000000-E	1725	INDUCTIVE LOOP SAWCUT	175 LF		
7456100000-E	1726	LEAD-IN CABLE (14-2)	1,525 LF		

Item Number	Sec #	Description	Quantity	Unit Cost	Amount
7481000000-N	SP	SITE SURVEY	1 EA		
7481200000-N	SP	LUMINAIRE ARM FOR VIDEO SYSTEM	1 EA		
7481240000-N	SP	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT	1 EA		
7481260000-N	SP	EXTERNAL LOOP EMULATOR PROCESSING UNIT	1 EA		
7636000000-N	1745	SIGN FOR SIGNALS	1 EA		
7642200000-N	1743	TYPE II PEDESTAL WITH FOUNDATION	4 EA		
7684000000-N	1750	SIGNAL CABINET FOUNDATION	2 EA		
7696000000-N	1751	CONTROLLERS WITH CABINET (*****) (TYPE 2070LX, BASE MOUNTED)	2 EA		
7744000000-N	1751	DETECTOR CARD (TYPE 170)	8 EA		
7901000000-N	1753	CABINET BASE EXTENDER	2 EA		

1013/Dec16/Q4168/D178488500000/E24

Total Length Of Project =

RAILROAD CERTIFICATION

TIP / ID NUMBER	U-3628	WBS ELEMENT	44672.3.1
COUNTY	Moore	FEDERAL AID PROJECT NUMBER	4467201

In connection with the above referenced project, I certify that all necessary and applicable railroad work complies with Federal and State laws and regulations. I further certify that one of the following has application:

- _____ 1. Railroad work is complete,
- _____ 2. That all necessary arrangements have been made for applicable railroad work to be undertaken and completed as required for proper coordination with the physical construction schedule to the extent deemed necessary. There will be appropriate notification in the contract documents identifying the railroad work that is to be undertaken concurrently with project construction,
- Or
- ___X___ 3. No railroad conflicts.

This certification assures compliance with all applicable Federal and State laws, rules, and policies.

DATE: **5-22-2025**

APPROVED _____

DocuSigned by:
Michael Ricketts
3B420DAD60B44EB...

Division Utility Engineer

DIVISION DESIGN RALEIGH LET (DDRL)
RIGHT OF WAY FIELD CERTIFICATION

TIP No. U-3628
WBS Element: 44672.2.1
County: Moore
Description: Improvements to NC 24/27 (Monroe St) from NC 22 (McNeill St) to
US 15/501 in Carthage NC

In connection with the above-referenced project, I certify that there were:

- 1) No persons displaced for this project or that all individuals and families have been relocated to DSS housing, Comparable replacement housing has been made available to relocates in accordance with applicable Federal and State laws and regulations.
- 2) The steps relative to relocation advisory assistance and payments as required by current FHWA directive(s) covering the administration of the Highway Relocation Assistance Program have been taken, as required.
- 3) Any necessary utility easements have been acquired for utility relocations
- 4) Any land needed by NCDOT from any active or non-active Railroad Company has been acquired in accordance with all state and federal laws.

I further certify that one of the following has application:

☒ 1. All necessary right of way has been acquired or the State has legal right of physical possession of that right of way,


or

☐ 2. The acquisition or right of occupancy and use of a few remaining parcels is not complete, but all occupants of the residences on such parcels have had replacement housing made available to them in accordance with 49 CFR 24.204. I assure that, if the physical construction of the project proceeds, displaced persons who have not yet moved from the right of way will be protected against unnecessary inconvenience and disproportionate injury or any action coercive in nature. I believe that it will be in the best public interest to proceed with this project. The following information is provided regarding excepted parcels and will be provided in the contract documents. These parcels will require delays of entry noted as follows:

TIP/PARCEL	PROPERTY OWNER	REASON FOR DELAY REQUEST	RELO (Y/N)	DELAY OF ENTRY UNTIL

This certification assures compliance with all applicable Federal and State laws, rules and policies.

Date: 04/08/24


DIVISION RIGHT OF WAY AGENT

Date: 04/08/2024

DocuSigned by:

76688502729469
MANAGER, RIGHT OF WAY UNIT

Type III Categorical Exclusion Action Classification Form

STIP Project No.	U-3628
WBS Element	44672.1.1
Federal Project No.	STP-0024(078)

- A. Project Description: (Include project scope and location, including Municipality and County. Refer to the attached project location map and photos.)

Widen NC 24-27 to accommodate a 3 lane section with bike lanes and includes sidewalk from Barrett Street to SR 1006 (Glendon-Carthage Rd)

- B. Description of Need and Purpose:

Provide a three lane section on NC 24-27 with accommodations for bike lanes and sidewalk.

- C. Categorical Exclusion Action Classification: Type III

- D. Proposed Improvements

Widen NC 24/27 to a 3 lane section with curb and gutter and sidewalk. Widening will provide for turn lanes on each side of the roadway.

- E. Special Project Information: (Provide a description of relevant project information, which may include: vicinity map, costs, alternative analysis (if any), traffic control and staging, and resource agency/public involvement).

SEE ATTACHED

F. Project Impact Criteria Checklists:

Type III Actions		Yes	No
If the proposed improvement is identified as a Type III Class of Action answer all questions. <ul style="list-style-type: none"> The Categorical Exclusion will require FHWA approval. If any questions are marked "yes" then additional information will be required for those question in Section G. 			
1	Does the project involve potential effects on species listed with the US Fish and Wildlife Service (USFWS) or National Marine Fisheries (NMFS)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Does the project result in impacts subject to the conditions of the Bald and Golden Eagle Protection Act (BGPA)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Does the project generate substantial controversy or public opposition, for any reason, following appropriate public involvement?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Does the project cause disproportionately high and adverse impacts relative to low-income and/or minority populations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	Does the project involve substantial residential or commercial displacements or right of way acquisition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Does the project include a determination under Section 4(f)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Is a project-level analysis for direct, indirect, or cumulative effects required based on the NCDOT community studies screening tool?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8	Is a project level air quality Mobile Source Air Toxics (MSAT) analysis required?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Is the project located in anadromous fish spawning waters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	Does the project impact waters of the United States in any of the designated mountain trout streams?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12	Does the project require a U.S. Army Corps of Engineers (USACE) Individual Section 404 Permit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	Will the project require an easement from a Federal Energy Regulatory Commission (FERC) licensed facility?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	Does the project include Section 106 of the National Historic Preservation Act (NHPA) effects determination other than a no effect, including archaeological remains? Are there project commitments identified?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	Does the project involve hazardous materials and/or landfills?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16	Does the project require work encroaching and adversely effecting 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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18	Does the project require a U.S. Coast Guard (USCG) permit?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19	Does the project involve construction activities in, across, or adjacent to a designated Wild and Scenic River present within the project area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

20	Does the project involve Coastal Barrier Resources Act (CBRA) resources?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Type III Actions (continued)</u>		Yes	No
21	Does the project impact federal lands (e.g. USFS, USFWS, etc.) or Tribal Lands?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
22	Does the project involve any changes in access control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
23	Does the project have a permanent adverse effect on local traffic patterns or community cohesiveness?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
24	Will maintenance of traffic cause substantial disruption?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
25	Is the project inconsistent with the STIP or the Metropolitan Planning Organization's (MPO's) Transportation Improvement Program (TIP) (where applicable)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
27	Does the project involve Federal Emergency Management Agency (FEMA) buyout properties under the Hazard Mitigation Grant Program (HMGP)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
28	Is the project considered a Type I under the NCDOT's Noise Policy?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
29	Is there prime or important farmland soil impacted by this project as defined by the Farmland Protection Policy Act (FPPA)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
30	Are there other issues that arose during the project development process that effected the project decision?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

G. Additional Documentation as Required from Section F

Due to the extension of pipes on the Lily Cox Barnes property, a USACE Section 404 Permit may be needed. **SEE ATTACHED.**

Northern long-eared bat

The US Fish and Wildlife Service has developed a programmatic biological opinion (PBO) in conjunction with the Federal Highway Administration, the US Army Corps of Engineers and NCDOT for the northern long-eared bat (NLEB) (*Myotis septentrionalis*) in eastern North Carolina. The PBO covers the entire NCDOT program in Divisions 1-8, including all NCDOT projects and activities. The programmatic determination for NLEB for the NCDOT program is "**May Affect, Likely to Adversely Affect**". The PBO provides incidental take coverage for NLEB and will ensure compliance with Section 7 of the Endangered Species Act for five years for all NCDOT projects with a federal nexus in Divisions 1-8, which includes Moore County.

H. Project Commitments

**Moore County
NC 24-27 Widening for Bike Lanes and Sidewalk
STP-0024(078)
WBS No. 44672.1.1
U-3628**

I. Categorical Exclusion Approval

STIP Project No.	U-3628
WBS Element	44672.1.1
Federal Project No.	STP-0024(078)

Prepared By:

12-12-17

Date

G S Davis
Greg S. Davis, PE – Division Project Engineer
North Carolina Department of Transportation

Reviewed By:

12/14/17

Date

Rex Bolger - D.E.S.
Art King – Division Environmental Officer, Division 8
North Carolina Department of Transportation

NCDOT certifies that the proposed action qualifies as a Type III Categorical Exclusion.

12/12/2017

Date

DocuSigned by:
Brandon H. Jones
C8D1767C8C65495
Brandon H. Jones, PE Division Engineer – Division 8
North Carolina Department of Transportation

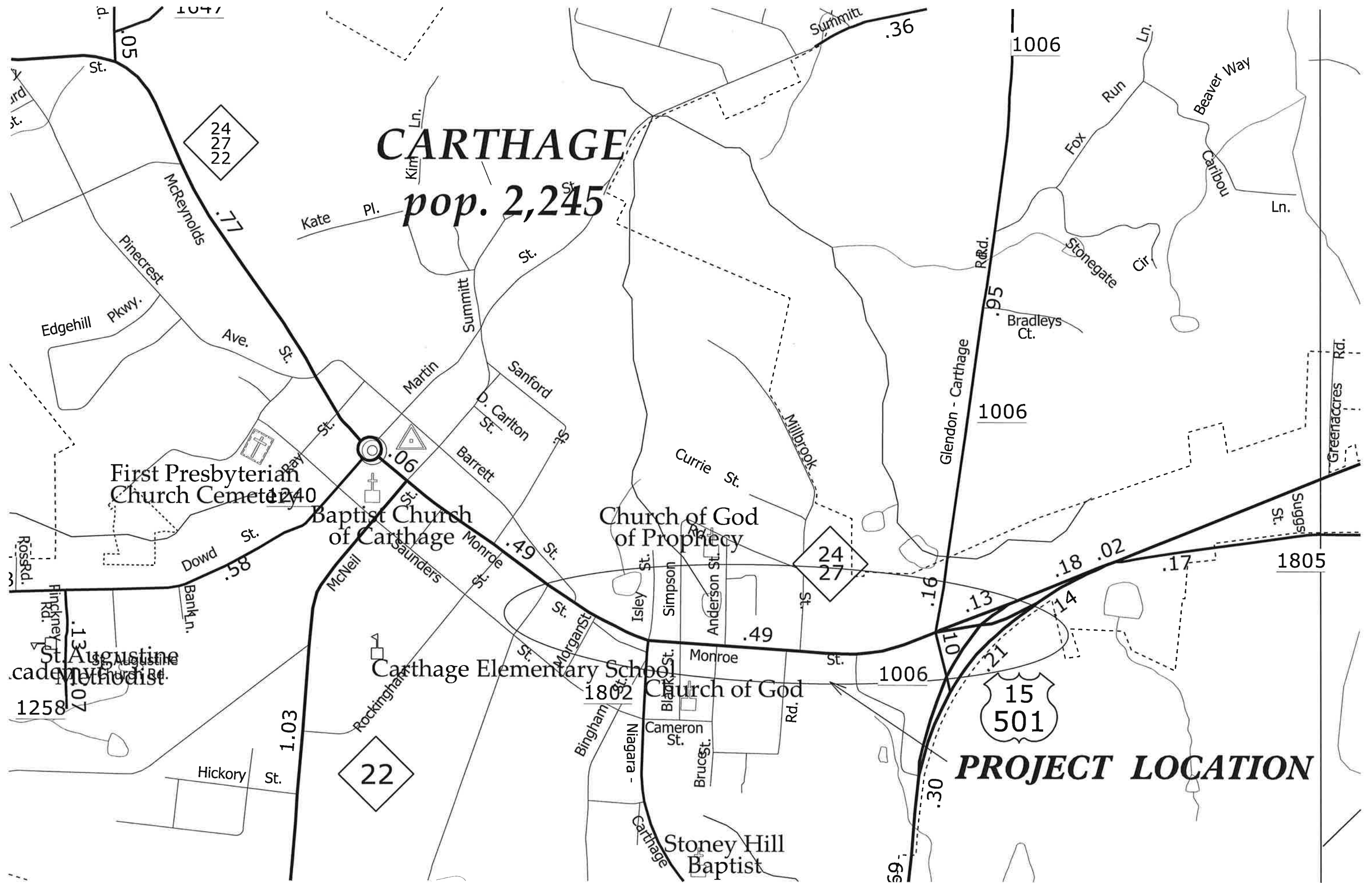
FHWA Approval:

1/2/18

Date

John F. Sullivan, III
John F. Sullivan, III, PE, Division Administrator
Federal Highway Administration





REVISIONS

Q8-DEC-2017 14:46
Z:\rddy\moore\U-3628_nc24-27\0us15-501\psh\dsm\U-3628_nc24-27_dsn-7.dgn



$PI Sta\ 35+64.24$
 $\Delta = 9^{\circ} 32' 04.7'' (LT)$
 $D = 2^{\circ} 32' 34.5''$
 $L = 374.95'$
 $T = 187.91'$
 $R_N = 2,253.14'$

PT Sta. 37+51.28

POND

LILY COX BARNES
DB 96E PG 786

PC Sta. 40+57.89

PROJECT REFERENCE NO.	SHEET NO.
U-3628	7
BW SHEET NO.	
DIVISION DESIGN & CONSTRUCT ENGINEER	HYDRAULICS ENGINEER
	
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	

MATCH LINE -L- 34+00
SEE SHEET 6

MATCH LINE - L-4Z
SEE SHEET 8

HOWARD HOUSTON HARRIS
DB 1552 PG 228



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

DATE: May 28, 2025

TIP: U-3628
WBS ELEMENT: 44672.3.1
COUNTY: Moore
DESCRIPTION: NC 24/27 COURTHOUSE WEST OF NC 22 (MCNEILL STREET) TO US 15-501 IN CARTHAGE – WIDEN TO THREE LANES WITH CURB AND GUTTER AND PEDESTRIAN ACCOMODATIONS.

SUBJECT: Use and Occupancy Agreement

Ms. Emily D. Yopp
Town Manager
Town of Carthage
4396 Hwy 15-501
Carthage, NC 28327

Dear Ms. Yopp,

The proposed improvement of U-3628 is scheduled to be let to contract on September 16, 2025, with construction beginning around November 3, 2025. The construction of this project will require the relocation and adjustment of certain water and/or sewer lines owned by the Town of Carthage. As discussed with you previously, the design for the relocation work will be handled by our engineers and the construction will be included in the Roadway Contract. This work will be done at the expense of the Department of Transportation in accordance with General Statute 136-27.1.

I am sending for your approval, Plans showing proposed water and sewer line relocations. In accordance with State and Federal Regulations, it will be necessary for the Town of Carthage and the Department of Transportation to agree in writing as to the terms of use and occupancy for the water and sewer lines to remain within the highway right of way. Accordingly, the following conditions will apply with regards to the water and/or sewer lines:

(1) The water and/or sewer lines will be located and accommodated in a manner that will not impair the planned highway or the construction or maintenance or interfere with the safe operation in accordance with the attached plans which are made apart hereof.

(2) The Town of Carthage will be responsible for maintenance and service of the water and/or sewer lines to be retained within the Department of Transportation's right of way limits in accordance with the mandate of the statutes and such other laws, rules, and regulations that have been or may be validly enacted or adopted now or hereafter.

(3) That upon satisfactory completion of the water and/or sewer line work, the Town of Carthage agrees that it shall release the Department of Transportation from any and all claims for damage

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION 8
121 DOT DRIVE
CARTHAGE, NC 28327

Telephone: 910-773-8000
Website: www.ncdot.gov

Location:
DIVISION 8 OFFICE
121 DOT DRIVE
CARTHAGE, NC 28327

in connection with relocation made to the water and/or sewer lines, and further, that it shall release the Department of Transportation of any further responsibility for the cost of maintenance to the water and/or sewer lines. This release shall be deemed to be given by the Town of Carthage upon completion of construction of the project and its acceptance by the Department of Transportation from the Roadway Contractor unless the Town of Carthage notifies the Department of Transportation in writing to the contrary prior to the Department's acceptance of the project.

(4) The Department's Special Provisions binds the contractor to guarantee materials and workmanship against latent and patent defects arising from faulty materials, faulty workmanship or negligence for a period of twelve months following the date of final acceptance of the work for maintenance and shall replace such defective materials and workmanship without cost to the Department. The highway contractor will not be responsible for damage due to faulty design, normal wear and tear, for negligence on the part of the Department, and/or for use in excess of the design. Where items of material carry a manufacturer's guarantee for any period in excess of twelve months, then the manufacturer's guarantee shall apply for that particular piece of material. Appropriate provisions of the payment and/or performance bonds shall cover this guarantee for the project. Should any failure result from the conditions found in line item (4) the Department would then enter into a Contract with the Town of Carthage for reimbursement to be made to the Town of Carthage for necessary repairs performed by the Town of Carthage and/or its contractor. The Utility Relocation Agreement would be issued by the NCDOT Utilities Unit and the repairs would be coordinated between the Town of Carthage and the Department's assigned Resident Engineer.

Please indicate your concurrence in these conditions and attached plans by signing in the appropriate space provided below and return for our file no later than June 6, 2025. If our office has not received this agreement by the due date, the highway project will be delayed by the Department of Transportation.

Sincerely,

DocuSigned by:

Michael Ricketts

3B420DAD60B44EB... 05/28/2025

Michael Ricketts, PE
Division 8 Utility Engineer

Approved and Accepted For:

Town of Carthage
BY: *Emily D. Yopp*
Town Manager TITLE

N.C.G.S. § 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State Employee of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By execution of any response in this procurement, you attest, for your entire organization and its employees or agents, that you are not aware that any such gift has been offered, accepted, or promised by any employees of your organization.

UTILITY CERTIFICATION

I. D. No. U-3628
County: Moore

W.B.S. Element: 44672.3.1
F. A. Project No. 4467201

In connection with the above referenced project, I certify that all necessary utility work applicable is in accordance with Federal and State laws and regulations. I further certify that one of the following has application:

_____ 1. Completed,

 X 2. That all necessary arrangements have been made for it to be undertaken and completed as required for proper coordination with the physical construction schedule and, to the extent deemed necessary. There will be appropriate notification in the contract documents identifying the utility work that is to be undertaken concurrently with the project construction,

Or

_____ 3. No utility conflicts.

This certification assures compliance with all applicable Federal and State laws, rules and policies.

DATE: 5-22-2025

APPROVED _____

DocuSigned by:
Michael Ricketts
3B420DAD60B44EB...

Division Utility Engineer

Estimates Summary for TIP Project # U-3628

NCPProject #:
FA-Project#: 4467201
WBS Number 44672.3.1
County: Moore
Description: NC27/24 (Monroe St)

Date of Estimate: 6/25/2025
Prepared By: Jesse Morris

STATIONARY WORK ZONE SIGNS		
END RD WORK (G20-2a)	2 signs	16 SF
PORTABLE WORK ZONE SIGNS		
BE PREPARED TO STOP (W3-4)	2 signs	32 SF
CTR LANE CLSD AHD (W9-3)	1 signs	16 SF
FLAGGER SIGN (W20-7a)	2 signs	32 SF
NO LT TURNS (R3-2)	4 signs	16 SF
ONE LANE RD (W20-4)	2 signs	32 SF
RD WORK (W20-1)	1 signs	16 SF
TRAFFIC SHIFT AHD (W31-1)	1 signs	16 SF
W24-1L	1 signs	16 SF
TOTAL PORTABLE WORK ZONE SIGNS		176 SF
DRUMS		
, (@ 35 FT spacing)		340 EA
CONES		
, (@ 20 FT spacing)		140 EA
PEDESTRIAN CHANNELIZATION DEVICES		
		2824 LF
FLAGGER (BY DAY)		
, (2 @ 60 days)		120 DAY

Estimates Summary for TIP Project # U-3628

NCPProject #:
FA-Project#: 4467201
WBS Number 44672.3.1
County: Moore
Description: NC27/24 (Monroe St)

Date of Estimate: 6/25/2025
Prepared By: Jesse Morris

GENERIC TRAFFIC CONTROL ITEM (SP)

Temporary Curb Ramps	3 EA
Pedestrian Transport Service	10 EA
Audible Warning Devices	2 EA

PAINT (4")

P11	(4") YELLOW SINGLE CENTER (2X)	12250 LF
P12	(4") 10 FT. YELLOW SKIP (2X)	3063 LF
P13	(4") YELLOW DOUBLE CENTER (2X)	1036 LF
P1	(4") WHITE EDGELINE (2X)	5402 LF
P2	(4") WHITE SOLID LANE LINE (2X)	150 LF
P4	(4") 3 FT. - 9 FT./SP WHITE MINISKIP (2X)	89 LF
P5	(4") 2 FT. - 6 FT./SP WHITE MINISKIP (2X)	647 LF

TOTAL (4") 22637 LF

PAINT (8")

P42	(8") YELLOW DIAGONAL (2X)	76 LF
-----	---------------------------	-------

PAINT MARKING SYMBOLS

P70	LEFT TURN ARROW (2X)	52 EA
P74	COMBO.STRAIGHT/RIGHT (2X)	4 EA

TOTAL MARKING SYMBOLS 56 EA

**TRAFFIC CONTROL SECTION
ENGINEER'S ESTIMATE FORM
2018 STANDARD SPECIFICATIONS**

TIP No.:	<u>U-3628</u>	English
WBS No	<u>44672.3.1</u>	
NC Project No:	<u></u>	
FA-Project No:	<u>4467201</u>	
County:	<u>Moore</u>	
Description:	<u>NC27/24 (Monroe St)</u>	
	<u></u>	
	<u></u>	
	<u></u>	
	<u></u>	

Date of Estimate:	<u>6/25/2025</u>
Estimate Prepared By:	<u>Jesse Morris</u>
Estimate Reviewed By:	<u>Chris Silver</u>

Estimate Type:	<input type="checkbox"/> Scoping
	<input type="checkbox"/> Letting List Verification
	<input type="checkbox"/> Preliminary
	<input checked="" type="checkbox"/> Final

THIS SECTION FOR COST ESTIMATE USE	
<u>Scoping Cost</u>	
Traffic Control Devices:	<u></u>
Pavement Markings:	<u></u>
Pavement Markers:	<u></u>
Delineation:	<u></u>

ITEM NO.			ITEM DESCRIPTION	QUANTITY	UNIT
GRP CODE	DESC. NO.	SEC NO.			
Y	4400000000-E	1110	STATIONARY WORK ZONE SIGNS	16	SF
Y	4405000000-E	1110	PORTABLE WORK ZONE SIGNS	176	SF
Y	4430000000-N	1130	DRUMS	340	EA
Y	4435000000-N	1135	CONES	140	EA
Y	4447000000-E	SP	PEDESTRIAN CHANNELIZATION DEVICES	2824	LF
Y	4455000000-N	1150	FLAGGER (BY DAY)	120	DAY
Y	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM (SP)	3	EA
Y	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM (SP)	10	EA
Y	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM (SP)	2	EA
PM	4810000000-E	1205	PAINT (4")	22637	LF
PM	4820000000-E	1205	PAINT (8")	76	LF
PM	4845000000-N	1205	PAINT MARKING SYMBOLS	56	EA