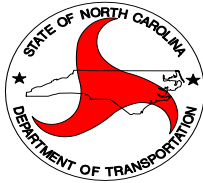


STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION



Division 14

District 2

Contract & Bonds

CONTRACT: DN01082
TIP Number: HB-0023
FEDERAL: 5034501
WBS Element: 50345.3.1
LOCATION: BRIDGE #430169 ON SR 1876 (SONOMA RD) OVER WEST FORK PIGEON RIVER AND BRIDGE #430170 ON SR 1105 (MAX THOMPSON RD) OVER EAST FORK PIGEON RIVER IN HAYWOOD COUNTY
COUNTY: HAYWOOD
DESCRIPTION: BRIDGE REPLACEMENTS: GRADING, PAVING, DRAINAGE AND STRUCTURES FOR BRIDGE #430169 ON SR 1876 (SONOMA RD) OVER WEST FORK PIGEON RIVER AND BRIDGE #430170 ON SR 1105 (MAX THOMPSON RD) OVER EAST FORK PIGEON RIVER IN HAYWOOD COUNTY
Contractor: Whaley Construction, LLC
Address: PO Box 70
Kodak, TN 37764
Division Engineer: Wesley Grindstaff, P.E.
District Engineer: W. Cody Weddle, P.E.
Resident Engineer: Kenny McCourt
Letting Date: 6/24/2025
Contract Execution: 07/17/2025

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION 14

PROPOSAL

DATE AND TIME OF BID OPENING: JUNE 24, 2025 AT 2:00 PM

CONTRACT ID: DN01082

WBS ELEMENT NO.: 50345.3.1

FEDERAL AID NO.: 5034501

COUNTY: HAYWOOD

TIP NO.: HB-0023

MILES: 0.202

ROUTE NO.: SR 1876 (SONOMA RD) AND SR 1105 (MAX THOMPSON RD)

LOCATION: BRIDGE #430169 ON SR 1876 (SONOMA RD) OVER WEST FORK
PIGEON RIVER AND BRIDGE #430170 ON SR 1105 (MAX
THOMPSON RD) OVER EAST FORK PIGEON RIVER

TYPE OF WORK: BRIDGE REPLACEMENTS: GRADING, PAVING, DRAINAGE
AND STRUCTURES

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

THIS IS A STRUCTURE PROJECT.

BID BOND IS REQUIRED.

Whaley Construction, LLC
NAME OF BIDDER

PO Box 70 Kodak, TN 37764
ADDRESS OF BIDDER

**PROPOSAL FOR THE CONSTRUCTION OF
CONTRACT No. DN01082 IN HAYWOOD COUNTY, NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION,
RALEIGH, NORTH CAROLINA**

The Bidder has carefully examined the location of the proposed work to be known as Contract No. **DN01082**; has carefully examined the plans and specifications, which are acknowledged to be part of the proposal, the special provisions, the proposal, the form of contract, and the forms of contract payment bond and contract performance bond; and thoroughly understands the stipulations, requirements and provisions. The undersigned bidder agrees to bound upon his execution of the bid and subsequent award to him by the Department of Transportation in accordance with this proposal to provide the necessary contract payment bond and contract performance bond within fourteen days after the written notice of award is received by him. The undersigned Bidder further agrees to provide all necessary machinery, tools, labor, and other means of construction; and to do all the work and to furnish all materials, except as otherwise noted, necessary to perform and complete the said contract in accordance with the *2024 Standard Specifications for Roads and Structures* by the dates(s) specified in the Project Special Provisions and in accordance with the requirements of the Engineer, and at the unit or lump sum prices, as the case may be, for the various items given on the sheets contained herein.

The Bidder shall provide and furnish all the materials, machinery, implements, appliances and tools, and perform the work and required labor to construct and complete Contract No. **DN01082** in **Haywood County**, for the unit or lump sum prices, as the case may be, bid by the Bidder in his bid and according to the proposal, plans, and specifications prepared by said Department, which proposal, plans, and specifications show the details covering this project, and hereby become a part of this contract.

The published volume entitled *North Carolina Department of Transportation, Raleigh, Standard Specifications for Roads and Structures, January 2024* with all amendments and supplements thereto, is by reference incorporated into and made a part of this contract; that, except as herein modified, all the construction and work included in this contract is to be done in accordance with the specifications contained in said volume, and amendments and supplements thereto, under the direction of the Engineer.

If the proposal is accepted and the award is made, the contract is valid only when signed either by the Contract Officer or such other person as may be designated by the Secretary to sign for the Department of Transportation. The conditions and provisions herein cannot be changed except over the signature of the said Contract Officer or Division Engineer.

The quantities shown in the itemized proposal for the project are considered to be approximate only and are given as the basis for comparison of bids. The Department of Transportation may increase or decrease the quantity of any item or portion of the work as may be deemed necessary or expedient.

An increase or decrease in the quantity of an item will not be regarded as sufficient ground for an increase or decrease in the unit prices, nor in the time allowed for the completion of the work, except as provided for the contract.

Accompanying this bid is a bid bond secured by a corporate surety, or certified check payable to the order of the Department of Transportation, for five percent of the total bid price, which deposit is to be forfeited as liquidated damages in case this bid is accepted and the Bidder shall fail to provide the required payment and performance bonds with the Department of Transportation, under the condition of this proposal, within 14 calendar days after the written notice of award is received by him, as provided in the *Standard Specifications*; otherwise said deposit will be returned to the Bidder.



DocuSign by:
06/02/2023 29BD2387CF24F6...

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INSTRUCTIONS TO BIDDERS**PLEASE READ ALL INSTRUCTIONS CAREFULLY
BEFORE PREPARING AND SUBMITTING YOUR BID.**

All bids shall be prepared and submitted in accordance with the following requirements. Failure to comply with any requirement may cause the bid to be considered irregular and may be grounds for rejection of the bid.

For preparing and submitting the bid electronically, refer to Article 102-8(B) of the *Standard Specifications*.

Bidders that bid electronically on Raleigh Central-Let projects will need a separate Digital Signature from the approved electronic bidding provider for Division Contracts.

ELECTRONIC ON-LINE BID:

1. Download entire proposal from Connect NCDOT website. Download the electronic submittal file from the approved electronic bidding provider website.
2. In accordance with Article 102-3 of the Standard Specifications, registration on the Interested Parties List is required unless SP1 G02 Interested Parties List Not Required provision is included in the proposal.
3. Prepare and submit the electronic submittal file using the approved electronic bidding provider software.
4. Electronic bidding software necessary for electronic bid preparation may be downloaded from the Bid Express website following the directions at: <https://connect.ncdot.gov/letting/Pages/Electronic-Bidding.aspx>.
5. Questions should be emailed 7 calendar days prior to the bid opening to **Jeffrey E. Alsbaugh, EI** at **d14contracts@ncdot.gov**. Contact with any other NCDOT personnel concerning this project is strictly prohibited, unless otherwise noted, and may result in bids being considered non-responsive.

PROJECT SPECIAL PROVISIONS**GENERAL****BOND REQUIREMENTS:**

(6-1-16)(Rev.1-16-24)

102-8, 102-10

SPD 01-420A

A Bid Bond is required in accordance with Article 102-10 of the *Standard Specifications for Roads and Structures*.

Contract Payment and Performance Bonds are required in accordance with Article 103-7 of the *Standard Specifications*.

HAUL ROADS:

(7-16-24)

105

SP1 G04

Revise the *Standard Specifications* as follows:

Page 1-45, Article 105-15 RESTRICTION OF LOAD LIMITS, line 31, add the following after second sentence of the second paragraph:

At least 30 days prior to use, the Contractor shall notify the Engineer of any public road proposed for use as a haul road for the project.

BUILD AMERICA, BUY AMERICA (BABA):

(11-15-22)(Rev. 7-16-24)

106

SP1 G05

Revise the *Standard Specifications* as follows:

Page 1-48, Article 106-1 GENERAL REQUIREMENTS, add the following after line 49:

(C) Build America, Buy America (BABA)

All manufactured products and construction materials permanently incorporated into any project must meet requirements of the Build America, Buy America (BABA) Act of the Infrastructure Investment and Jobs Act (IIJA). Before any material or product shown on the Department's Build America, Buy America (BABA) List is included for payment on a monthly estimate, the Contractor shall furnish the Engineer with a notarized certification certifying that the items conform to the BABA Act. The Department's Build America Buy America (BABA) List can be found on the Department's website below.

<https://connect.ncdot.gov/letting/LetCentral/NCDOT%20BABA%20Materials%20List.pdf>

Each purchase order issued by the Contractor or a subcontractor for items on the BABA List to be permanently incorporated into any project shall contain in bold print a statement advising the supplier that the manufactured products and construction materials must be produced in the United States of America. The Contractor and all affected subcontractors shall maintain a separate file for BABA List items so that verification of the Contractor's efforts to purchase items produced in

the United States can readily be verified by an authorized representative of the Department or the Federal Highway Administration (FHWA).

CONTRACT TIME AND LIQUIDATED DAMAGES:

(8-15-00) (Rev. 5-16-23)

108

SP1 G08 A

The date of availability for this contract is **July 21, 2025**, except that work in jurisdictional waters and wetlands shall not begin until a meeting between the DOT, Regulatory Agencies, and the Contractor is held as stipulated in the permits contained elsewhere in this proposal. This delay in availability has been considered in determining the contract time for this project.

The completion date for this contract is **April 16, 2027**.

Except where otherwise provided by the contract, observation periods required by the contract will not be a part of the work to be completed by the completion date and/or intermediate contract times stated in the contract. The acceptable completion of the observation periods that extend beyond the final completion date shall be a part of the work covered by the performance and payment bonds.

The liquidated damages for this contract are **Two Hundred Dollars (\$ 200.00)** per calendar day. These liquidated damages will not be cumulative with any liquidated damages which may become chargeable under Intermediate Contract Time Number 1.

INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES:

(6-18-13)

108

SP1 G14 K

The Contractor shall complete the work required of **Bridge 430170 (Max Thompson Rd)** except for that work required under the Project Special Provisions entitled *Planting, Reforestation* and/or *Permanent Vegetation Establishment*, included elsewhere in this proposal, the Contractor will be required to complete all work included in this contract and shall place and maintain traffic on same.

The date of availability for this intermediate contract time is **July 21, 2025**.

The completion date for this intermediate contract time is **January 5, 2026**.

The liquidated damages are **One Thousand Six Hundred Dollars (\$ 1,600.00)** per calendar day.

Upon apparent completion of all the work required to be completed by this intermediate date, a final inspection will be held in accordance with Article 105-17 and upon acceptance, the Department will assume responsibility for the maintenance of all work except *Planting, Reforestation* and/or *Permanent Vegetation Establishment*. The Contractor will be responsible for and shall make corrections of all damages to the completed roadway caused by his planting operations, whether occurring prior to or after placing traffic through the project.

INTERMEDIATE CONTRACT TIME NUMBER 2 AND LIQUIDATED DAMAGES:

(6-18-13)

108

SP1 G14 K

The Contractor shall complete the work required of **Bridge 430169 (Sonoma Rd)** except for that work required under the Project Special Provisions entitled *Planting, Reforestation* and/or *Permanent Vegetation Establishment*, included elsewhere in this proposal, the Contractor will be required to complete all work included in this contract and shall place and maintain traffic on same.

The date of availability for this intermediate contract time is **March 16, 2026**.

The completion date for this intermediate contract time is **October 16, 2026**.

The liquidated damages are **One Thousand Six Hundred Dollars (\$ 1,600.00)** per calendar day.

Upon apparent completion of all the work required to be completed by this intermediate date, a final inspection will be held in accordance with Article 105-17 and upon acceptance, the Department will assume responsibility for the maintenance of all work except *Planting, Reforestation* and/or *Permanent Vegetation Establishment*. The Contractor will be responsible for and shall make corrections of all damages to the completed roadway caused by his planting operations, whether occurring prior to or after placing traffic through the project.

PERMANENT VEGETATION ESTABLISHMENT:

(2-16-12)(Rev. 1-16-24)

104

SP1 G16

Establish a permanent stand of the vegetation mixture shown in the contract. During the period between initial vegetation planting and final project acceptance, perform all work necessary to establish permanent vegetation on all erodible areas within the project limits, as well as, in borrow and waste pits. This work shall include erosion control device maintenance and installation, repair seeding and mulching, supplemental seeding and mulching, mowing, and fertilizer topdressing, as directed. All work shall be performed in accordance with the applicable section of the *Standard Specifications*. All work required for initial vegetation planting shall be performed as a part of the work necessary for the completion and acceptance of the Intermediate Contract Time (ICT). Between the time of ICT and Final Project acceptance, or otherwise referred to as the vegetation establishment period, the Department will be responsible for preparing the required National Pollutant Discharge Elimination System (NPDES) inspection records.

Once the Engineer has determined that the permanent vegetation establishment requirement has been achieved at an 80% vegetation density (the amount of established vegetation per given area to stabilize the soil) and no erodible areas exist within the project limits, the Contractor will be notified to remove the remaining erosion control devices that are no longer needed. The Contractor will be responsible for, and shall correct any areas disturbed by operations performed in permanent vegetation establishment and the removal of temporary erosion control measures, whether occurring prior to or after placing traffic on the project.

Payment for *Response for Erosion Control, Seeding and Mulching, Repair Seeding, Supplemental Seeding, Mowing, Fertilizer Topdressing, Silt Excavation, and Stone for Erosion Control* will be made at contract unit prices for the affected items. Work required that is not represented by

contract line items will be paid in accordance with Articles 104-7 or 104-3 of the *Standard Specifications*. No additional compensation will be made for maintenance and removal of temporary erosion control items.

CONSTRUCTION MORATORIUM:

(1-19-16)

SP1 G18C

No tree cutting will be allowed from **APRIL 1** through **OCTOBER 15** of any year.

MAJOR CONTRACT ITEMS:

(2-19-02)(Rev. 1-16-24)

104

SP1 G28

The following listed items are the major contract items for this contract (see Article 104-5 of the *Standard Specifications*):

Line #	Description
0089	CLASS A CONCRETE (BRIDGE)
0105	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS

SPECIALTY ITEMS:

(7-1-95)(Rev. 1-16-24)

108-6

SP1 G37

Items listed below will be the specialty items for this contract (see Article 108-6 of the *Standard Specifications*).

Line #	Description
0035-0040	Guardrail
0048	Long-Life Pavement Markings
0049-0074	Erosion Control
0075	Reforestation
0082-0086	Drilled Piers

FUEL PRICE ADJUSTMENT:

(11-15-05)(Rev. 1-16-24)

109-8

SP1 G43

Page 1-82, Article 109-8, FUEL PRICE ADJUSTMENTS, add the following:

The base index price for DIESEL #2 FUEL is \$ **2.2459** per gallon. Where any of the following are included as pay items in the contract, they will be eligible for fuel price adjustment.

The pay items and the fuel factor used in calculating adjustments to be made will be as follows:

Description	Units	Fuel Usage Factor Diesel
Unclassified Excavation	Gal/CY	0.29
Borrow Excavation	Gal/CY	0.29
Class IV Subgrade Stabilization	Gal/Ton	0.55
Aggregate Base Course	Gal/Ton	0.55
Sub-Ballast	Gal/Ton	0.55
Erosion Control Stone	Gal/Ton	0.55
Rip Rap, Class _____	Gal/Ton	0.55
Asphalt Concrete Base Course, Type _____	Gal/Ton	0.90 or 2.90
Asphalt Concrete Intermediate Course, Type _____	Gal/Ton	0.90 or 2.90
Asphalt Concrete Surface Course, Type _____	Gal/Ton	0.90 or 2.90
Open-Graded Asphalt Friction Course	Gal/Ton	0.90 or 2.90
Permeable Asphalt Drainage Course, Type _____	Gal/Ton	0.90 or 2.90
Sand Asphalt Surface Course, Type _____	Gal/Ton	0.90 or 2.90
Ultra-thin Bonded Wearing Course	Gal/Ton	0.90 or 2.90
Aggregate for Cement Treated Base Course	Gal/Ton	0.55
Portland Cement for Cement Treated Base Course	Gal/Ton	0.55
> 11" Portland Cement Concrete Pavement	Gal/SY	0.327
Concrete Shoulders Adjacent to > 11" Pavement	Gal/SY	0.327
9" to 11" Portland Cement Concrete Pavement	Gal/SY	0.272
Concrete Shoulders Adjacent to 9" to 11" Pavement	Gal/SY	0.272
< 9" Portland Cement Concrete Pavement	Gal/SY	0.245
Concrete Shoulders Adjacent to < 9" Pavement	Gal/SY	0.245

For the asphalt items noted in the chart as eligible for fuel adjustments, the bidder may include the *Fuel Usage Factor Adjustment Form* with their bid submission if they elect to use the fuel usage factor. The *Fuel Usage Factor Adjustment Form* is found at the following link:

<https://connect.ncdot.gov/letting/LetCentral/Fuel%20Usage%20Factor%20Adjustment%20Form%20-%20Starting%20Nov%202022%20Lettings.pdf>

Select either 2.90 Gal/Ton fuel factor or 0.90 Gal/Ton fuel factor for each asphalt line item on the *Fuel Usage Factor Adjustment Form*. The selected fuel factor for each asphalt item will remain in effect for the duration of the contract.

Failure to complete the *Fuel Usage Factor Adjustment Form* will result in using 2.90 gallons per ton as the Fuel Usage Factor for Diesel for the asphalt items noted above. The contractor will not be permitted to change the Fuel Usage Factor after the bids are submitted.

SCHEDULE OF ESTIMATED COMPLETION PROGRESS:

(7-15-08)(Rev. 6-17-25)

108-2

SP1 G58

The Contractor's attention is directed to the Standard Special Provision entitled *Availability of Funds Termination of Contracts* included elsewhere in this proposal. The Department of Transportation's schedule of estimated completion progress for this project as required by that Standard Special Provision is as follows:

	<u>Fiscal Year</u>	<u>Progress (% of Dollar Value)</u>
2026	(7/01/25 - 6/30/26)	57% of Total Amount Bid
2027	(7/01/26 - 6/30/27)	43% of Total Amount Bid

The Contractor shall also furnish his own progress schedule in accordance with Article 108-2 of the *Standard Specifications*. Any acceleration of the progress as shown by the Contractor's progress schedule over the progress as shown above shall be subject to the approval of the Engineer.

DISADVANTAGED BUSINESS ENTERPRISE (DIVISIONS):

(10-16-07)(Rev. 5-9-24)

102-15(J)

SP1 G62

Description

The purpose of this Special Provision is to carry out the U.S. Department of Transportation's policy of ensuring nondiscrimination in the award and administration of contracts financed in whole or in part with Federal funds. This provision is guided by 49 CFR Part 26.

Definitions

Additional DBE Subcontractors - Any DBE submitted at the time of bid that will not be used to meet the DBE goal. No submittal of a Letter of Intent is required.

Committed DBE Subcontractor - Any DBE submitted at the time of bid that is being used to meet the DBE goal by submission of a Letter of Intent. Or any DBE used as a replacement for a previously committed DBE firm.

Contract Goal Requirement - The approved DBE participation at time of award, but not greater than the advertised contract goal.

DBE Goal - A portion of the total contract, expressed as a percentage, that is to be performed by committed DBE subcontractor(s).

Disadvantaged Business Enterprise (DBE) - A firm certified as a Disadvantaged Business Enterprise through the North Carolina Unified Certification Program.

Goal Confirmation Letter - Written documentation from the Department to the bidder confirming the Contractor's approved, committed DBE participation along with a listing of the committed DBE firms.

Manufacturer - A firm that owns (or leases) and operates or maintains a factory or establishment that produces on the premises, the materials or supplies obtained by the Contractor. A firm that makes minor modifications to the materials, supplies, articles, or equipment is not a manufacturer.

Regular Dealer - A firm that owns (or leases), and operates a store, warehouse, or other establishment in which the materials or supplies required for the performance of the contract are bought, kept in sufficient quantities, and regularly sold to the public in the usual course of business. A regular dealer engages in, as its principal business and in its own name, the purchase and sale or lease of the products in question. A regular dealer in such bulk items as steel, concrete or concrete products, gravel, stone, asphalt and petroleum products need not keep such products in stock, if it owns and operates distribution equipment for the products. Any supplement of regular dealers' own distribution equipment shall be by a long-term operating lease and not on an ad hoc or contract-by-contract basis.

Distributor - A firm that engages in the regular sale or lease of the items specified by the contract. A distributor assumes responsibility for the items it purchases once they leave the point of origin (e.g., a manufacturer's facility), making it liable for any loss or damage not covered by the carrier's insurance.

Replacement / Substitution - A full or partial reduction in the amount of work subcontracted to a committed (or an approved substitute) DBE firm.

North Carolina Unified Certification Program (NCUCP) - A program that provides comprehensive services and information to applicants for DBE certification, such that an applicant is required to apply only once for a DBE certification that will be honored by all recipients of USDOT funds in the state and not limited to the Department of Transportation only. The Certification Program is in accordance with 49 CFR Part 26.

United States Department of Transportation (USDOT) - Federal agency responsible for issuing regulations (49 CFR Part 26) and official guidance for the DBE program.

Forms and Websites Referenced in this Provision

DBE Payment Tracking System - On-line system in which the Contractor enters the payments made to DBE subcontractors who have performed work on the project.
<https://apps.dot.state.nc.us/Vendor/PaymentTracking/>

DBE-IS Subcontractor Payment Information - Form for reporting the payments made to all DBE firms working on the project. This form is for paper bid projects only.
<https://connect.ncdot.gov/business/Turnpike/Documents/Form%20DBE-IS%20Subcontractor%20Payment%20Information.pdf>

RF-1 DBE Replacement Request Form - Form for replacing a committed DBE.
<https://connect.ncdot.gov/projects/construction/Construction%20Forms/DBE%20MBE%20WBE%20Replacement%20Form%20and%20Instructions.pdf>

SAF Subcontract Approval Form - Form required for approval to sublet the contract.

<https://connect.ncdot.gov/projects/construction/Construction%20Forms/SAF%20Form%20-%20Subcontract%20Approval%20Form%20Revised%2004-19.xlsm>

JC-1 Joint Check Notification Form - Form and procedures for joint check notification. The form acts as a written joint check agreement among the parties providing full and prompt disclosure of the expected use of joint checks.

<https://connect.ncdot.gov/projects/construction/Construction%20Forms/Joint%20Check%20Notification%20Form.pdf>

Letter of Intent - Form signed by the Contractor and the DBE subcontractor, manufacturer or regular dealer that affirms that a portion of said contract is going to be performed by the signed DBE for the estimated amount (based on quantities and unit prices) listed at the time of bid.

<http://connect.ncdot.gov/letting/LetCentral/Letter%20of%20Intent%20to%20Perform%20as%20a%20Subcontractor.pdf>

Listing of DBE Subcontractors Form - Form for entering DBE subcontractors on a project that will meet this DBE goal. This form is for paper bids only.

[http://connect.ncdot.gov/municipalities/Bid%20Proposals%20for%20LGA%20Content/08%20DBE%20Subcontractors%20\(Federal\).docx](http://connect.ncdot.gov/municipalities/Bid%20Proposals%20for%20LGA%20Content/08%20DBE%20Subcontractors%20(Federal).docx)

Subcontractor Quote Comparison Sheet - Spreadsheet for showing all subcontractor quotes in the work areas where DBEs quoted on the project. This sheet is submitted with good faith effort packages.

<http://connect.ncdot.gov/business/SmallBusiness/Documents/DBE%20Subcontractor%20Quote%20Comparison%20Example.xls>

DBE Regular Dealer/Distributor Affirmation Form – Form is used to make a preliminary counting determination for each DBE listed as a regular dealer or distributor to assess its eligibility for 60 or 40 percent credit, respectively of the cost of materials or supplies based on its demonstrated capacity and intent to perform as a regular dealer or distributor, as defined in section 49 CFR 26.55 under the contract at issue. A Contractor will submit the completed form with the Letter of Intent.

<https://connect.ncdot.gov/projects/construction/Construction%20Forms/DBE%20Regular%20Dealer-Distributor%20Affirmation%20Form%20-%20USDOT%202024.pdf>

DBE Goal

The following DBE goal for participation by Disadvantaged Business Enterprises is established for this contract:

Disadvantaged Business Enterprises 2 %

- (A) *If the DBE goal is more than zero*, the Contractor shall exercise all necessary and reasonable steps to ensure that DBEs participate in at least the percent of the contract as set forth above as the DBE goal.
- (B) *If the DBE goal is zero*, the Contractor shall make an effort to recruit and use DBEs during the performance of the contract. Any DBE participation obtained shall be reported to the Department.

Directory of Transportation Firms (Directory)

Real-time information is available about firms doing business with the Department and firms that are certified through NCUCP in the Directory of Transportation Firms. Only firms identified in the Directory as DBE certified shall be used to meet the DBE goal. The Directory can be found at the following link. [https:// www.ebs.nc.gov/VendorDirectory/default.html](https://www.ebs.nc.gov/VendorDirectory/default.html)

The listing of an individual firm in the directory shall not be construed as an endorsement of the firm's capability to perform certain work.

Listing of DBE Subcontractors

At the time of bid, bidders shall submit all DBE participation that they anticipate to use during the life of the contract. Only those identified to meet the DBE goal will be considered committed, even though the listing shall include both committed DBE subcontractors and additional DBE subcontractors. Additional DBE subcontractor participation submitted at the time of bid will be used toward the Department's overall race-neutral goal. Only those firms with current DBE certification at the time of bid opening will be acceptable for listing in the bidder's submittal of DBE participation. The Contractor shall indicate the following required information:

(A) Electronic Bids

Bidders shall submit a listing of DBE participation in the appropriate section of the electronic submittal file.

- (1) Submit the names and addresses of DBE firms identified to participate in the contract. If the bidder uses the updated listing of DBE firms shown in the electronic submittal file, the bidder may use the dropdown menu to access the name and address of the DBE firm.
- (2) Submit the contract line numbers of work to be performed by each DBE firm. When no figures or firms are entered, the bidder will be considered to have no DBE participation.
- (3) The bidder shall be responsible for ensuring that the DBE is certified at the time of bid by checking the Directory of Transportation Firms. If the firm is not certified at the time of the bid-letting, that DBE's participation will not count towards achieving the DBE goal.

(B) Paper Bids

- (1) *If the DBE goal is more than zero,*
 - (a) Bidders, at the time the bid proposal is submitted, shall submit a listing of DBE participation, including the names and addresses on *Listing of DBE Subcontractors* contained elsewhere in the contract documents in

order for the bid to be considered responsive. Bidders shall indicate the total dollar value of the DBE participation for the contract.

- (b) If bidders have no DBE participation, they shall indicate this on the *Listing of DBE Subcontractors* by entering the word “None” or the number “0.” This form shall be completed in its entirety. **Blank forms will not be deemed to represent zero participation.** Bids submitted that do not have DBE participation indicated on the appropriate form will not be read publicly during the opening of bids. The Department will not consider these bids for award and the proposal will be rejected.
 - (c) The bidder shall be responsible for ensuring that the DBE is certified at the time of bid by checking the Directory of Transportation Firms. If the firm is not certified at the time of the bid-letting, that DBE’s participation will not count towards achieving the DBE goal.
- (2) *If the DBE goal is zero, entries on the Listing of DBE Subcontractors are not required, however any DBE participation that is achieved during the project shall be reported in accordance with requirements contained elsewhere in the special provision.*

DBE Prime Contractor

When a certified DBE firm bids on a contract that contains a DBE goal, the DBE firm is responsible for meeting the goal or making good faith efforts to meet the goal, just like any other bidder. In most cases, a DBE bidder on a contract will meet the DBE goal by virtue of the work it performs on the contract with its own forces. However, all the work that is performed by the DBE bidder and any other DBE subcontractors will count toward the DBE goal. The DBE bidder shall list itself along with any DBE subcontractors, if any, in order to receive credit toward the DBE goal.

For example, if the DBE goal is 45% and the DBE bidder will only perform 40% of the contract work, the prime will list itself at 40%, and the additional 5% shall be obtained through additional DBE participation with DBE subcontractors or documented through a good faith effort.

DBE prime contractors shall also follow Sections A or B listed under *Listing of DBE Subcontractor* just as a non-DBE bidder would.

Written Documentation – Letter of Intent

The bidder shall submit written documentation for each DBE that will be used to meet the DBE goal of the contract, indicating the bidder’s commitment to use the DBE in the contract. This documentation shall be submitted on the Department’s form titled *Letter of Intent*.

The documentation shall be received in the office of the Engineer no later than 2:00 p.m. of the fifth calendar day following opening of bids, unless the fifth day falls on Saturday, Sunday or an official state holiday. In that situation, it is due in the office of the Engineer no later than 10:00 a.m. on the next official state business day.

If the bidder fails to submit the Letter of Intent from each committed DBE to be used toward the DBE goal, or if the form is incomplete (i.e. both signatures are not present), the DBE participation will not count toward meeting the DBE goal. If the lack of this participation drops the commitment below the DBE goal, the Contractor shall submit evidence of good faith efforts, completed in its entirety, to the Engineer no later than 2:00 p.m. on the eighth calendar day following opening of bids, unless the eighth day falls on Saturday, Sunday or an official state holiday. In that situation, it is due in the office of the Engineer no later than 10:00 a.m. on the next official state business day.

Submission of Good Faith Effort

If the bidder fails to meet or exceed the DBE goal the apparent lowest responsive bidder shall submit to the Department documentation of adequate good faith efforts made to reach the DBE goal.

One complete set and 2 copies of this information shall be received in the office of the Engineer no later than 2:00 p.m. of the fifth calendar day following opening of bids, unless the fifth day falls on Saturday, Sunday or an official state holiday. In that situation, it is due in the office of the Engineer no later than 10:00 a.m. on the next official state business day.

Note: Where the information submitted includes repetitious solicitation letters, it will be acceptable to submit a representative letter along with a distribution list of the firms that were solicited. Documentation of DBE quotations shall be a part of the good faith effort submittal. This documentation may include written subcontractor quotations, telephone log notations of verbal quotations, or other types of quotation documentation.

Consideration of Good Faith Effort for Projects with DBE Goals More Than Zero

Adequate good faith efforts mean that the bidder took all necessary and reasonable steps to achieve the goal which, by their scope, intensity, and appropriateness, could reasonably be expected to obtain sufficient DBE participation. Adequate good faith efforts also mean that the bidder actively and aggressively sought DBE participation. Mere *pro forma* efforts are not considered good faith efforts.

The Department will consider the quality, quantity, and intensity of the different kinds of efforts a bidder has made. Listed below are examples of the types of actions a bidder will take in making a good faith effort to meet the goal and are not intended to be exclusive or exhaustive, nor is it intended to be a mandatory checklist.

- (A) Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising, written notices, use of verifiable electronic means through the use of the NCDOT Directory of Transportation Firms) the interest of all certified DBEs who have the capability to perform the work of the contract. The bidder must solicit this interest within at least 10 days prior to bid opening to allow the DBEs to respond to the solicitation. Solicitation shall provide the opportunity to DBEs within the Division and surrounding Divisions where the project is located. The bidder must determine with certainty if the DBEs are interested by taking appropriate steps to follow up initial solicitations.

- (B) Selecting portions of the work to be performed by DBEs in order to increase the likelihood that the DBE goals will be achieved.
 - (1) Where appropriate, break out contract work items into economically feasible units to facilitate DBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces.
 - (2) Negotiate with subcontractors to assume part of the responsibility to meet the contract DBE goal when the work to be sublet includes potential for DBE participation (2nd and 3rd tier subcontractors).
- (C) Providing interested DBEs with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.
- (D)
 - (1) Negotiating in good faith with interested DBEs. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBEs to perform the work.
 - (2) A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Bidding contractors are not, however, required to accept higher quotes from DBEs if the price difference is excessive or unreasonable.
- (E) Not rejecting DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associates and political or social affiliations (for example, union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.
- (F) Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or bidder.
- (G) Making efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.

- (H) Effectively using the services of available minority/women community organizations; minority/women contractors' groups; Federal, State, and local minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBEs. Contact within 7 days from the bid opening the Business Opportunity and Work Force Development Unit at BOWD@ncdot.gov to give notification of the bidder's inability to get DBE quotes.
- (I) Any other evidence that the bidder submits which shows that the bidder has made reasonable good faith efforts to meet the DBE goal.

In addition, the Department may take into account the following:

- (1) Whether the bidder's documentation reflects a clear and realistic plan for achieving the DBE goal.
- (2) The bidders' past performance in meeting the DBE goals.
- (3) The performance of other bidders in meeting the DBE goal. For example, when the apparent successful bidder fails to meet the DBE goal, but others meet it, you may reasonably raise the question of whether, with additional reasonable efforts the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the DBE goal, but meets or exceeds the average DBE participation obtained by other bidders, the Department may view this, in conjunction with other factors, as evidence of the apparent successful bidder having made a good faith effort.

If the Department does not award the contract to the apparent lowest responsive bidder, the Department reserves the right to award the contract to the next lowest responsive bidder that can satisfy to the Department that the DBE goal can be met or that an adequate good faith effort has been made to meet the DBE goal.

Non-Good Faith Appeal

The Engineer will notify the Contractor verbally and in writing of non-good faith. A Contractor may appeal a determination of non-good faith made by the Goal Compliance Committee. If a Contractor wishes to appeal the determination made by the Committee, they shall provide written notification to the Engineer. The appeal shall be made within 2 business days of notification of the determination of non-good faith.

Counting DBE Participation Toward Meeting DBE Goal

- (A) Participation

The total dollar value of the participation by a committed DBE will be counted toward the contract goal requirement. The total dollar value of participation by a committed DBE will be based upon the value of work performed by the DBE and the actual payments to DBE firms by the Contractor.

(B) Joint Checks

Prior notification of joint check use shall be required when counting DBE participation for services or purchases that involves the use of a joint check. Notification shall be through submission of Form JC-1 (*Joint Check Notification Form*) and the use of joint checks shall be in accordance with the Department's Joint Check Procedures.

(C) Subcontracts (Non-Trucking)

A DBE may enter into subcontracts. Work that a DBE subcontracts to another DBE firm may be counted toward the contract goal requirement. Work that a DBE subcontracts to a non-DBE firm does not count toward the contract goal requirement. If a DBE contractor or subcontractor subcontracts a significantly greater portion of the work of the contract than would be expected on the basis of standard industry practices, it shall be presumed that the DBE is not performing a commercially useful function. The DBE may present evidence to rebut this presumption to the Department. The Department's decision on the rebuttal of this presumption is subject to review by the Federal Highway Administration but is not administratively appealable to USDOT.

(D) Joint Venture

When a DBE performs as a participant in a joint venture, the Contractor may count toward its contract goal requirement a portion of the total value of participation with the DBE in the joint venture, that portion of the total dollar value being a distinct clearly defined portion of work that the DBE performs with its forces.

(E) Manufacturer, Regular Dealer, Distributor

A Contractor may count toward its DBE requirement 40 percent of its expenditures for materials or supplies (including transportation costs) from a DBE distributor, 60 percent of its expenditures for materials or supplies (including transportation costs) from a DBE regular dealer and 100 percent of such expenditures obtained from a DBE manufacturer.

A Contractor may count toward its DBE requirement the following expenditures to DBE firms that are not manufacturers, regular dealers or distributors:

- (1) The fees or commissions charged by a DBE firm for providing a *bona fide* service, such as professional, technical, consultant, or managerial services, or for providing bonds or insurance specifically required for the performance of a DOT-assisted contract, provided the fees or commissions are determined to be reasonable and not excessive as compared with fees and commissions customarily allowed for similar services.
- (2) With respect to materials or supplies purchased from a DBE, which is neither a manufacturer, regular dealer, nor a distributor count the entire amount of fees or commissions charged that the Department deems to be reasonable, including transportation charges for the delivery of materials or supplies. Do not count any portion of the cost of the materials and supplies themselves.

A Contractor will submit a completed *DBE Regular Dealer/Distributor Affirmation Form* with the Letter of Intent to the Engineer. The Engineer will forward to the State Contractor Utilization Engineer or DBE@ncdot.gov. The State Contractor Utilization Engineer will make a preliminary assessment as to whether a DBE supplier has the demonstrated capacity to perform a commercially useful function (CUF) on a contract-by-contract basis *prior* to its participation.

Commercially Useful Function

(A) DBE Utilization

The Contractor may count toward its contract goal requirement only expenditures to DBEs that perform a commercially useful function in the work of a contract. A DBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by performing, managing, and supervising the work involved. To perform a commercially useful function, the DBE shall also be responsible with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material and installing (where applicable) and paying for the material itself. To determine whether a DBE is performing a commercially useful function, the Department will evaluate the amount of work subcontracted, industry practices, whether the amount the firm is to be paid under the contract is commensurate with the work it is performing and the DBE credit claimed for its performance of the work, and any other relevant factors.

(B) DBE Utilization in Trucking

The following factors will be used to determine if a DBE trucking firm is performing a commercially useful function:

- (1) The DBE shall be responsible for the management and supervision of the entire trucking operation for which it is responsible on a particular contract, and there shall not be a contrived arrangement for the purpose of meeting DBE goals.
- (2) The DBE shall itself own and operate at least one fully licensed, insured, and operational truck used on the contract.
- (3) The DBE receives credit for the total value of the transportation services it provides on the contract using trucks it owns, insures, and operates using drivers it employs.
- (4) The DBE may subcontract the work to another DBE firm, including an owner-operator who is certified as a DBE. The DBE who subcontracts work to another DBE receives credit for the total value of the transportation services the subcontracted DBE provides on the contract.
- (5) The DBE may also subcontract the work to a non-DBE firm, including from an owner-operator. The DBE who subcontracts the work to a non-DBE is entitled to credit for the total value of transportation services provided by the

non-DBE subcontractor not to exceed the value of transportation services provided by DBE-owned trucks on the contract. Additional participation by non-DBE subcontractors receives credit only for the fee or commission it receives as a result of the subcontract arrangement. The value of services performed under subcontract agreements between the DBE and the Contractor will not count towards the DBE contract requirement.

- (6) A DBE may lease truck(s) from an established equipment leasing business open to the general public. The lease must indicate that the DBE has exclusive use of and control over the truck. This requirement does not preclude the leased truck from working for others during the term of the lease with the consent of the DBE, so long as the lease gives the DBE absolute priority for use of the leased truck. This type of lease may count toward the DBE's credit as long as the driver is under the DBE's payroll.
- (7) Subcontracted/leased trucks shall display clearly on the dashboard the name of the DBE that they are subcontracted/leased to and their own company name if it is not identified on the truck itself. Magnetic door signs are not permitted.

DBE Replacement

When a Contractor has relied on a commitment to a DBE subcontractor (or an approved substitute DBE subcontractor) to meet all or part of a contract goal requirement, the contractor shall not terminate the DBE subcontractor or any portion of its work for convenience. This includes, but is not limited to, instances in which the Contractor seeks to perform the work of the terminated subcontractor with another DBE subcontractor, a non-DBE subcontractor, or with the Contractor's own forces or those of an affiliate.

The Contractor must give notice in writing both by certified mail and email to the DBE subcontractor, with a copy to the Engineer of its intent to request to terminate a DBE subcontractor or any portion of its work, and the reason for the request. The Contractor must give the DBE subcontractor five (5) business days to respond to the Contractor's Notice of Intent to Request Termination and/or Substitution. If the DBE subcontractor objects to the intended termination/substitution, the DBE, within five (5) business days must advise the Contractor and the Department of the reasons why the action should not be approved. The five-day notice period shall begin on the next business day after written notice is provided to the DBE subcontractor.

A committed DBE subcontractor may only be terminated or any portion of its work after receiving the Department's written approval based upon a finding of good cause for the proposed termination and/or substitution. Good cause does not exist if the Contractor seeks to terminate a DBE or any portion of its work that it relied upon to obtain the contract so that the Contractor can self-perform the work for which the DBE was engaged, or so that the Contractor can substitute another DBE or non-DBE contractor after contract award. For purposes of this section, good cause shall include the following circumstances:

- (a) The listed DBE subcontractor fails or refuses to execute a written contract;
- (b) The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does

- not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the prime contractor;
- (c) The listed DBE subcontractor fails or refuses to meet the prime contractor's reasonable, nondiscriminatory bond requirements;
 - (d) The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness;
 - (e) The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant to 2 CFR parts 180, 215 and 1200 or applicable State law;
 - (f) The listed DBE subcontractor is not a responsible contractor;
 - (g) The listed DBE voluntarily withdraws from the project and provides written notice of withdrawal;
 - (h) The listed DBE is ineligible to receive DBE credit for the type of work required;
 - (i) A DBE owner dies or becomes disabled with the result that the listed DBE contractor is unable to complete its work on the contract; and
 - (j) Other documented good cause that compels the termination of the DBE subcontractor.

The Contractor shall comply with the following for replacement of a committed DBE:

(A) Performance Related Replacement

When a committed DBE is terminated for good cause as stated above, an additional DBE that was submitted at the time of bid may be used to fulfill the DBE commitment. A good faith effort will only be required for removing a committed DBE if there were no additional DBEs submitted at the time of bid to cover the same amount of work as the DBE that was terminated.

If a replacement DBE is not found that can perform at least the same amount of work as the terminated DBE, the Contractor shall submit a good faith effort documenting the steps taken. Such documentation shall include, but not be limited to, the following:

- (1) Copies of written notification to DBEs that their interest is solicited in contracting the work defaulted by the previous DBE or in subcontracting other items of work in the contract.
- (2) Efforts to negotiate with DBEs for specific subbids including, at a minimum:
 - (a) The names, addresses, and telephone numbers of DBEs who were contacted.
 - (b) A description of the information provided to DBEs regarding the plans and specifications for portions of the work to be performed.
- (3) A list of reasons why DBE quotes were not accepted.
- (4) Efforts made to assist the DBEs contacted, if needed, in obtaining bonding or insurance required by the Contractor.

(B) Decertification Replacement

- (1) When a committed DBE is decertified by the Department after the SAF (*Subcontract Approval Form*) has been received by the Department, the Department will not require the Contractor to solicit replacement DBE participation equal to the remaining work to be performed by the decertified firm. The participation equal to the remaining work performed by the decertified firm will count toward the contract goal requirement but not the overall goal.
 - (i) If the DBE's ineligibility is caused solely by its having exceeded the size standard during the performance of the contract. The Department may continue to count participation equal to the remaining work performed by the decertified firm which will count toward the contract goal requirement and overall goal.
 - (ii) If the DBE's ineligibility is caused solely by its acquisition by or merger with a non-DBE during the performance of the contract. The Department may not continue to count the portion of the decertified firm's performance on the contract remaining toward either the contract goal or the overall goal, even if the Contractor has executed a subcontract with the firm or the Department has executed a prime contract with the DBE that was later decertified.
- (2) When a committed DBE is decertified prior to the Department receiving the SAF (*Subcontract Approval Form*) for the named DBE firm, the Contractor shall take all necessary and reasonable steps to replace the DBE subcontractor with another DBE subcontractor to perform at least the same amount of work to meet the DBE goal requirement. If a DBE firm is not found to do the same amount of work, a good faith effort must be submitted to NCDOT (see A herein for required documentation).

All requests for replacement of a committed DBE firm shall be submitted to the Engineer for approval on Form RF-1 (*DBE Replacement Request*). If the Contractor fails to follow this procedure, the Contractor may be disqualified from further bidding for a period of up to 6 months

Changes in the Work

When the Engineer makes changes that result in the reduction or elimination of work to be performed by a committed DBE, the Contractor will not be required to seek additional participation. When the Engineer makes changes that result in additional work to be performed by a DBE based upon the Contractor's commitment, the DBE shall participate in additional work to the same extent as the DBE participated in the original contract work.

When the Engineer makes changes that result in extra work, which has more than a minimal impact on the contract amount, the Contractor shall seek additional participation by DBEs unless otherwise approved by the Engineer.

When the Engineer makes changes that result in an alteration of plans or details of construction, and a portion or all of the work had been expected to be performed by a committed DBE, the Contractor shall seek participation by DBEs unless otherwise approved by the Engineer.

When the Contractor requests changes in the work that result in the reduction or elimination of work that the Contractor committed to be performed by a DBE, the Contractor shall seek additional participation by DBEs equal to the reduced DBE participation caused by the changes.

Reports and Documentation

A SAF (*Subcontract Approval Form*) shall be submitted for all work which is to be performed by a DBE subcontractor. The Department reserves the right to require copies of actual subcontract agreements involving DBE subcontractors.

When using transportation services to meet the contract commitment, the Contractor shall submit a proposed trucking plan in addition to the SAF. The plan shall be submitted prior to beginning construction on the project. The plan shall include the names of all trucking firms proposed for use, their certification type(s), the number of trucks owned by the firm, as well as the individual truck identification numbers, and the line item(s) being performed.

Within 30 calendar days of entering into an agreement with a DBE for materials, supplies or services, not otherwise documented by the SAF as specified above, the Contractor shall furnish the Engineer a copy of the agreement. The documentation shall also indicate the percentage (60% or 100%) of expenditures claimed for DBE credit.

Reporting Disadvantaged Business Enterprise Participation

The Contractor shall provide the Engineer with an accounting of payments made to all DBE firms, including material suppliers and contractors at all levels (prime, subcontractor, or second tier subcontractor). This accounting shall be furnished to the Engineer for any given month by the end of the following month. Failure to submit this information accordingly may result in the following action:

- (A) Withholding of money due in the next partial pay estimate; or
- (B) Removal of an approved contractor from the prequalified bidders' list or the removal of other entities from the approved subcontractors list.

While each contractor (prime, subcontractor, 2nd tier subcontractor) is responsible for accurate accounting of payments to DBEs, it shall be the prime contractor's responsibility to report all monthly and final payment information in the correct reporting manner.

Failure on the part of the Contractor to submit the required information in the time frame specified may result in the disqualification of that contractor and any affiliate companies from further bidding until the required information is submitted.

Failure on the part of any subcontractor to submit the required information in the time frame specified may result in the disqualification of that contractor and any affiliate companies from being approved for work on future projects until the required information is submitted.

Contractors reporting transportation services provided by non-DBE lessees shall evaluate the value of services provided during the month of the reporting period only.

At any time, the Engineer can request written verification of subcontractor payments.

The Contractor shall report the accounting of payments through the Department's DBE Payment Tracking System.

Failure to Meet Contract Requirements

Failure to meet contract requirements in accordance with Subarticle 102-15(J) of the *Standard Specifications* may be cause to disqualify the Contractor.

CERTIFICATION FOR FEDERAL-AID CONTRACTS:

(3-21-90)

SP1 G85

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

- (A) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (B) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, *Disclosure Form to Report Lobbying*, in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by *Section 1352, Title 31, U.S. Code*. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

RESTRICTIONS ON ITS EQUIPMENT AND SERVICES:

(11-17-20)

SP01 G090

All telecommunications, video or other ITS equipment or services installed or utilized on this project must be in conformance with UNIFORM ADMINISTRATIVE REQUIREMENTS, COST PRINCIPLES, AND AUDIT REQUIREMENTS FOR FEDERAL AWARDS **2 CFR, § 200.216**
Prohibition on certain telecommunications and video surveillance services or equipment.

USE OF UNMANNED AIRCRAFT SYSTEM (UAS):

(8-20-19)

SP1 G092

The Contractor shall adhere to all Federal, State and Local regulations and guidelines for the use of Unmanned Aircraft Systems (UAS). This includes but is not limited to US 14 CFR Part 107 *Small UAS Rule*, NC GS 15A-300.2 *Regulation of launch and recovery sites*, NC GS 63-95 *Training required for the operation of unmanned aircraft systems*, NC GS 63-96 *Permit required for commercial operation of unmanned aircraft system*, and NCDOT UAS Policy. The required operator certifications include possessing a current Federal Aviation Administration (FAA) Remote Pilot Certificate, a NC UAS Operator Permit as well as operating a UAS registered with the FAA.

Prior to beginning operations, the Contractor shall complete the NCDOT UAS – Flight Operation Approval Form and submit it to the Engineer for approval. All UAS operations shall be approved by the Engineer prior to beginning the operations.

All contractors or subcontractors operating UAS shall have UAS specific general liability insurance to cover all operations under this contract.

The use of UAS is at the Contractor's discretion. No measurement or payment will be made for the use of UAS. In the event that the Department directs the Contractor to utilize UAS, payment will be in accordance with Article 104-7 Extra Work.

EQUIPMENT IDLING GUIDELINES:

(1-19-21)

107

SP1 G096

Exercise reduced fuel consumption and reduced equipment emissions during the construction of all work associated with this contract. Employees engaged in the construction of this project should turn off vehicles when stopped for more than thirty (30) minutes and off-highway equipment should idle no longer than fifteen (15) consecutive minutes.

These guidelines for turning off vehicles and equipment when idling do not apply to:

1. Idling when queuing.
2. Idling to verify the vehicle is in safe operating condition.
3. Idling for testing, servicing, repairing or diagnostic purposes.
4. Idling necessary to accomplish work for which the vehicle was designed (such as operating a crane, mixing concrete, etc.).
5. Idling required to bring the machine system to operating temperature.

6. Emergency vehicles, utility company, construction, and maintenance vehicles where the engines must run to perform needed work.
7. Idling to ensure safe operation of the vehicle.
8. Idling when the propulsion engine is providing auxiliary power for other than heating or air conditioning. (such as hydraulic systems for pavers)
9. When specific traffic, safety, or emergency situations arise.
10. If the ambient temperature is less than 32 degrees Fahrenheit. Limited idling to provide for the safety of vehicle occupants (e.g. to run the heater).
11. If the ambient temperature is greater than 90 degrees Fahrenheit. Limited idling to provide for the safety of vehicle occupants of off-highway equipment (e.g. to run the air conditioning) no more than 30 minutes.
12. Diesel powered vehicles may idle for up to 30 minutes to minimize restart problems.

Any vehicle, truck, or equipment in which the primary source of fuel is natural gas or electricity is exempt from the idling limitations set forth in this special provision.

U.S. DEPARTMENT OF TRANSPORTATION HOTLINE:

(11-22-94)

108-5

SP1 G100

To report bid rigging activities call: **1-800-424-9071**

The U.S. Department of Transportation (DOT) operates the above toll-free hotline Monday through Friday, 8:00 a.m. to 5:00 p.m. eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the hotline to report such activities.

The hotline is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

SUBSURFACE INFORMATION:

(7-1-95)(Rev. 8-16-22)

450

SP1 G112 B

Subsurface information is available on the structure portion of this project.

EROSION AND SEDIMENT CONTROL/STORMWATER CERTIFICATION:

(1-16-07) (Rev. 10-15-24)

105-16, 225-2, 16

SP1 G180

General

Schedule and conduct construction activities in a manner that will minimize soil erosion and the resulting sedimentation and turbidity of surface waters. Comply with the requirements herein regardless of whether or not a National Pollution discharge Elimination System (NPDES) permit for the work is required.

Establish a chain of responsibility for operations and subcontractors' operations to ensure that the *Erosion and Sediment Control/Stormwater Pollution Prevention Plan* is implemented and maintained over the life of the contract.

- (A) *Certified Supervisor* - Provide a certified Erosion and Sediment Control/Stormwater Supervisor to manage the Contractor and subcontractor operations, insure compliance with Federal, State and Local ordinances and regulations, and manage the Quality Control Program.
- (B) *Certified Foreman* - Provide a certified, trained foreman for each construction operation that increases the potential for soil erosion or the possible sedimentation and turbidity of surface waters.
- (C) *Certified Installer* - Provide a certified installer to install or direct the installation for erosion or sediment/stormwater control practices.
- (D) *Certified Designer* - Provide a certified designer for the design of the erosion and sediment control/stormwater component of reclamation plans and, if applicable, for the design of the project erosion and sediment control/stormwater plan.

Roles and Responsibilities

- (A) *Certified Erosion and Sediment Control/Stormwater Supervisor* - The Certified Supervisor shall be Level II and responsible for ensuring the erosion and sediment control/stormwater plan is adequately implemented and maintained on the project and for conducting the quality control program. The Certified Supervisor shall be on the project within 24 hours notice from initial exposure of an erodible surface to the project's final acceptance. Perform the following duties:
 - (1) *Manage Operations* - Coordinate and schedule the work of subcontractors so that erosion and sediment control/stormwater measures are fully executed for each operation and in a timely manner over the duration of the contract.
 - (a) Oversee the work of subcontractors so that appropriate erosion and sediment control/stormwater preventive measures are conformed to at each stage of the work.
 - (b) Prepare the required National Pollutant Discharge Elimination System (NPDES) Inspection Record and submit to the Engineer.
 - (c) Attend all weekly or monthly construction meetings to discuss the findings of the NPDES inspection and other related issues.
 - (d) Implement the erosion and sediment control/stormwater site plans requested.
 - (e) Provide any needed erosion and sediment control/stormwater practices for the Contractor's temporary work not shown on the plans, such as, but not limited to work platforms, temporary construction, pumping operations, plant and storage yards, and cofferdams.
 - (f) Acquire applicable permits and comply with requirements for borrow pits, dewatering, and any temporary work conducted by the Contractor in jurisdictional areas.
 - (g) Conduct all erosion and sediment control/stormwater work in a timely and workmanlike manner.

- (h) Fully perform and install erosion and sediment control/stormwater work prior to any suspension of the work.
 - (i) Coordinate with Department, Federal, State and Local Regulatory agencies on resolution of erosion and sediment control/stormwater issues due to the Contractor's operations.
 - (j) Ensure that proper cleanup occurs from vehicle tracking on paved surfaces or any location where sediment leaves the Right-of-Way.
 - (k) Have available a set of erosion and sediment control/stormwater plans that are initialed and include the installation date of Best Management Practices. These practices shall include temporary and permanent groundcover and be properly updated to reflect necessary plan and field changes for use and review by Department personnel as well as regulatory agencies.
- (2) Requirements set forth under the NPDES Permit - The Department's NPDES Stormwater permit (NCS000250) outlines certain objectives and management measures pertaining to construction activities. The permit references *NCG010000, General Permit to Discharge Stormwater* under the NPDES, and states that the Department shall incorporate the applicable requirements into its delegated Erosion and Sediment Control Program for construction activities disturbing one or more acres of land. The Department further incorporates these requirements on all contracted bridge and culvert work at jurisdictional waters, regardless of size. Some of the requirements are, but are not limited to:
- (a) Control project site waste to prevent contamination of surface or ground waters of the state, i.e. from equipment operation/maintenance, construction materials, concrete washout, chemicals, litter, fuels, lubricants, coolants, hydraulic fluids, any other petroleum products, and sanitary waste.
 - (b) Inspect erosion and sediment control/stormwater devices and stormwater discharge outfalls at least once every 7 calendar days and within 24 hours after a rainfall event equal to or greater than 1.0 inch that occurs within a 24 hour period. Additional monitoring may be required at the discretion of Division of Water Resources personnel if the receiving stream is 303(d) listed for turbidity and the project has had documented problems managing turbidity.
 - (c) Maintain an onsite rain gauge or use the Department's Multi-Sensor Precipitation Estimate website to maintain a daily record of rainfall amounts and dates.
 - (d) Maintain erosion and sediment control/stormwater inspection records for review by Department and Regulatory personnel upon request.
 - (e) Implement approved reclamation plans on all borrow pits, waste sites and staging areas.
 - (f) Maintain a log of turbidity test results as outlined in the Department's Procedure for Monitoring Borrow Pit Discharge.
 - (g) Provide secondary containment for bulk storage of liquid materials.
 - (h) Provide training for employees concerning general erosion and sediment control/stormwater awareness, the Department's NPDES Stormwater Permit NCS000250 requirements, and the applicable requirements of the *General Permit, NCG010000*.

- (i) Report violations of the NPDES permit to the Engineer immediately who will notify the Division of Water Quality Regional Office within 24 hours of becoming aware of the violation.
- (3) Quality Control Program - Maintain a quality control program to control erosion, prevent sedimentation and follow provisions/conditions of permits. The quality control program shall:
 - (a) Follow permit requirements related to the Contractor and subcontractors' construction activities.
 - (b) Ensure that all operators and subcontractors on site have the proper erosion and sediment control/stormwater certification.
 - (c) Notify the Engineer when the required certified erosion and sediment control/stormwater personnel are not available on the job site when needed.
 - (d) Conduct the inspections required by the NPDES permit.
 - (e) Take corrective actions in the proper timeframe as required by the NPDES permit for problem areas identified during the NPDES inspections.
 - (f) Incorporate erosion control into the work in a timely manner and stabilize disturbed areas with mulch/seed or vegetative cover on a section-by-section basis.
 - (g) Use flocculants approved by state regulatory authorities where appropriate and where required for turbidity and sedimentation reduction.
 - (h) Ensure proper installation and maintenance of temporary erosion and sediment control devices.
 - (i) Remove temporary erosion or sediment control devices when they are no longer necessary as agreed upon by the Engineer.
 - (j) The Contractor's quality control and inspection procedures shall be subject to review by the Engineer. Maintain NPDES inspection records and make records available at all times for verification by the Engineer.
- (B) *Certified Foreman* - At least one Certified Foreman shall be onsite for each type of work listed herein during the respective construction activities to control erosion, prevent sedimentation and follow permit provisions:
 - (1) Foreman in charge of grading activities
 - (2) Foreman in charge of bridge or culvert construction over jurisdictional areas
 - (3) Foreman in charge of utility activities

The Contractor may request to use the same person as the Level II Supervisor and Level II Foreman. This person shall be onsite whenever construction activities as described above are taking place. This request shall be approved by the Engineer prior to work beginning.

The Contractor may request to name a single Level II Foreman to oversee multiple construction activities on small bridge or culvert replacement projects. This request shall be approved by the Engineer prior to work beginning.
- (C) *Certified Installers* - Provide at least one onsite, Level I Certified Installer for each of the following erosion and sediment control/stormwater crew:

- (1) Seeding and Mulching
- (2) Temporary Seeding
- (3) Temporary Mulching
- (4) Sodding
- (5) Silt fence or other perimeter erosion/sediment control device installations
- (6) Erosion control blanket installation
- (7) Hydraulic tackifier installation
- (8) Turbidity curtain installation
- (9) Rock ditch check/sediment dam installation
- (10) Ditch liner/matting installation
- (11) Inlet protection
- (12) Riprap placement
- (13) Stormwater BMP installations (such as but not limited to level spreaders, retention/detention devices)
- (14) Pipe installations within jurisdictional areas

If a Level I *Certified Installer* is not onsite, the Contractor may substitute a Level II Foreman for a Level I Installer, provided the Level II Foreman is not tasked to another crew requiring Level II Foreman oversight.

- (D) *Certified Designer* - Include the certification number of the Level III Certified Designer on the erosion and sediment control/stormwater component of all reclamation plans and if applicable, the certification number of the Level III Certified Designer on the design of the project erosion and sediment control/stormwater plan.

Preconstruction Meeting

Furnish the names of the *Certified Erosion and Sediment Control/Stormwater Supervisor*, *Certified Foremen*, *Certified Installers* and *Certified Designer* and notify the Engineer of changes in certified personnel over the life of the contract within 2 days of change.

Ethical Responsibility

Any company performing work for the North Carolina Department of Transportation has the ethical responsibility to fully disclose any reprimand or dismissal of an employee resulting from improper testing or falsification of records.

Revocation or Suspension of Certification

Upon recommendation of the Chief Engineer to the certification entity, certification for *Supervisor*, *Certified Foremen*, *Certified Installers* and *Certified Designer* may be revoked or suspended with the issuance of an *Immediate Corrective Action (ICA)*, *Notice of Violation (NOV)*, or *Cease and Desist Order* for erosion and sediment control/stormwater related issues.

The Chief Engineer may recommend suspension or permanent revocation of certification due to the following:

- (A) Failure to adequately perform the duties as defined within this certification provision.
- (B) Issuance of an ICA, NOV, or Cease and Desist Order.
- (C) Failure to fully perform environmental commitments as detailed within the permit conditions and specifications.
- (D) Demonstration of erroneous documentation or reporting techniques.
- (E) Cheating or copying another candidate's work on an examination.
- (F) Intentional falsification of records.
- (G) Directing a subordinate under direct or indirect supervision to perform any of the above actions.
- (H) Dismissal from a company for any of the above reasons.
- (I) Suspension or revocation of one's certification by another entity.

Suspension or revocation of a certification will be sent by certified mail to the certificant and the Corporate Head of the company that employs the certificant.

A certificant has the right to appeal any adverse action which results in suspension or permanent revocation of certification by responding, in writing, to the Chief Engineer within 10 calendar days after receiving notice of the proposed adverse action.

Chief Engineer
1536 Mail Service Center
Raleigh, NC 27699-1536

Failure to appeal within 10 calendar days will result in the proposed adverse action becoming effective on the date specified on the certified notice. Failure to appeal within the time specified will result in a waiver of all future appeal rights regarding the adverse action taken. The certificant will not be allowed to perform duties associated with the certification during the appeal process.

The Chief Engineer will hear the appeal and make a decision within 7 days of hearing the appeal. Decision of the Chief Engineer will be final and will be made in writing to the certificant.

If a certification is temporarily suspended, the certificant shall pass any applicable written examination and any proficiency examination, at the conclusion of the specified suspension period, prior to having the certification reinstated.

Measurement and Payment

All work described within this provision and the role of Certified Erosion and Sediment Control/Stormwater Supervisor, Certified Foremen, Certified Installers and Certified Designer will be incidental to the project for which no direct compensation will be made.

PROJECT SPECIAL PROVISIONS**ROADWAY****CLEARING AND GRUBBING - METHOD II:**

(9-17-02)(Rev. 3-19-24)

200

SP2 R02A

Perform clearing on this project to the limits established by Method - II shown on Standard Drawing No. 200.02 of the *Roadway Standard Drawings*. Conventional clearing methods may be used except where permit drawings or conditions have been included in the proposal which require certain areas to be cleared by hand methods.

BRIDGE APPROACH FILLS:

(10-19-10)(Rev. 1-16-24)

422

SP4 R02

Description

Bridge approach fills consist of backfilling behind bridge end bents with select material or aggregate to support all or part of bridge approach slabs. Install outlets and grade bridge approach fills to drain water through and away from approach fills. Install geotextiles to allow for possible future slab jacking and separate approach fills from embankment fills, natural ground and pavement sections as required. For bridge approach fills behind end bents with mechanically stabilized earth (MSE) abutment walls, reinforce bridge approach fills with MSE wall reinforcement connected to end bent caps as required. Construct bridge approach fills in accordance with the contract, accepted submittals and bridge approach fill *Roadway Standard Drawings*.

Define bridge approach fill types as follows:

Type 1 Approach Fill – Approach fill for bridge abutment in accordance with *Roadway Standard Drawing* No. 423.01;

Type 1A Approach Fill – Alternate approach fill for integral bridge abutment in accordance with *Roadway Standard Drawing* No. 423.02;

Type 2 Approach Fill – Approach fill for bridge abutment with MSE wall in accordance with *Roadway Standard Drawing* No. 423.03 and

Type 2A Approach Fill – Alternate approach fill for integral bridge abutment with MSE wall in accordance with *Roadway Standard Drawing* No. 423.04.

At the Contractors option, use Type 1A or 2A approach fills instead of Type 1 or 2 approach fills, respectively, for integral bridge abutments. Type 1A and 2A approach fills consists of constructing an approach fill with a temporary geotextile wall before placing all or a portion of the concrete for the backwall and wing walls of the integral end bent cap. The temporary geotextile wall is designed for a construction surcharge, remains in place and is aligned so the wall face functions as a form for the integral end bent cap backwall and wing walls.

Materials

Refer to Division 10 of the *Standard Specifications*.

Item	Section
Geotextiles	1056
Portland Cement Concrete	1000
Select Materials	1016
Subsurface Drainage Materials	1044
Welded Wire Reinforcement	1070-3

Provide Type 1 geotextile for separation geotextiles, Type 4a geotextile for under bridge approach slabs and Class B concrete for outlet pads. Use Class V or Class VI select material for Type 1 and 1A approach fills and the same aggregate type approved for the reinforced zone in the accepted MSE wall submittal for Type 2 and 2A approach fills. For MSE wall aggregate, reinforcement and connector materials, see the *Mechanically Stabilized Earth Retaining Walls* provision. Provide outlet pipes and fittings for subsurface drainage materials. Provide 1/4" hardware cloth with 1/4 inch openings constructed from 24 gauge wire.

For temporary geotextile walls, use welded wire reinforcement for welded wire facing and Type 5a geotextile for reinforcement geotextiles. Use Type 5a geotextile with lengths as shown in *Roadway Standard Drawing* No. 423.02 or 423.04.

Construction Methods

Excavate as necessary for approach fills and, if applicable, temporary geotextile walls in accordance with the contract. Ensure limits of approach fills are graded to drain as shown in the bridge approach fill *Roadway Standard Drawings*. For Type 1 and 1A approach fills in embankment fills, place and compact a temporary 1.5:1 (H:V) fill slope in accordance with *Roadway Standard Drawing* No. 423.01 or 423.02 and in accordance with Subarticle 235-3(B) and 235-3(C) of the *Standard Specifications*. Density testing is required within the temporary fill slope and additional more frequent density testing is also required for bridge approach embankments. Wait 3 days before cutting the slope back to complete the approach fill excavation. Use excavated material elsewhere on the project to form embankments, subgrades, or shoulders. If a slope for an approach fill is excavated to flatter than what is required for access or any other reason, that same slope is required for the entire approach fill excavation. Do not backfill overexcavations that extend outside the approach fill limits shown on the *Roadway Standard Drawings* with embankment soils. Instead, expand approach fill limits to include overexcavations.

Notify the Engineer when embankment fill placement and approach fill excavation is complete. Do not place separation geotextiles or aggregate until approach fill dimensions and embankment materials below and outside approach fills are approved.

For Type 2 approach fills, cast MSE wall reinforcement or connectors into end bent cap backwalls within 3 inches of locations shown in the accepted MSE wall submittals. Install MSE wall reinforcement with the orientation, dimensions and number of layers shown in the accepted MSE wall submittals. If a Type 2 approach fill is designed with geogrid reinforcement embedded in an end bent cap, cut geogrids to the required lengths and after securing ends of geogrids in place,

reroll and rewrap portions of geogrids not embedded in the cap to protect geogrids from damage. Before placing aggregate over any MSE wall geosynthetic reinforcement, pull reinforcement taut so that it is in tension and free of kinks, folds, wrinkles or creases.

For Type 1 and 1A approach fills, place pipe sleeves in wing walls so water drains towards outlets. Use sleeves that can withstand wing wall loads. Insert outlet pipes into pipe sleeves to direct water towards outlets. Attach hardware cloth in front of the outlet pipe at the wing. Connect outlet pipes and fittings with solvent cement in accordance with Article 815-3 of the *Standard Specifications* and place outlet pads in accordance with Roadway Standard Drawing No. 815.03.

Attach separation geotextiles to end bent cap backwalls and wing walls with adhesives, tapes or other approved methods. Overlap adjacent geotextiles of the same type at least 18 inches. Cover select material or aggregate with Type 4a geotextile at an elevation 6 inches below the bridge approach slab. Hold geotextiles in place with wire staples or anchor pins as needed. Contact the Engineer when existing or future obstructions such as foundations, pavements, pipes, inlets or utilities will interfere with geotextiles or MSE wall reinforcement.

For Type 1A and 2A approach fills, install temporary geotextile walls as shown in *Roadway Standard Drawing* No. 423.02 or 423.04. At the Contractor's option, construct the bottom portion of integral end bents before temporary geotextile walls as shown in the plans. Erect and set welded wire facing for temporary geotextile walls so facing functions as a form for the integral end bent cap backwall. Place welded wire facing adjacent to each other in the horizontal and vertical directions to completely cover the temporary geotextile wall face. Stagger welded wire facing to create a running bond by centering facing over joints in the row below. Wrap reinforcement geotextiles at the wall face in accordance with *Roadway Standard Drawing* No. 423.02 or 423.04 and cover geotextiles with at least 3 inches of select material or aggregate. Place layers of reinforcement geotextiles within 3 inches of locations shown in *Roadway Standard Drawing* No. 423.02 or 423.04. Install reinforcement geotextiles with the direction shown in *Roadway Standard Drawing* No. 423.02 or 423.04. Orient overlapping seams in reinforcement geotextiles perpendicular to the integral end bent cap backwall. Do not overlap reinforcement geotextiles so seams are parallel to the wall face. Before placing select material or aggregate over reinforcement geotextiles, pull geotextiles taut so they are in tension and free of kinks, folds, wrinkles or creases. Temporary geotextile walls are designed for a surcharge pressure in accordance with *Roadway Standard Drawing* No. 423.02 or 423.04. If loads from construction equipment will be more than what the wall is designed for, contact the Engineer before positioning equipment on top of temporary geotextile walls.

Place select material or aggregate in 6 inch to 8 inch thick lifts. Compact fine aggregate for Type 2 and 2A approach fills in accordance with Subarticle 235-3(C) of the *Standard Specifications* except compact fine aggregate to a density of at least 98%. Compact select material for Type 1 and 1A approach fills and coarse aggregate for Type 2 and 2A approach fills with at least 4 passes of a trench roller in a direction parallel to the end bent cap backwall. Do not displace or damage geosynthetics or MSE wall reinforcement when placing and compacting select material or aggregate. End dumping directly on geosynthetics is not permitted. Do not operate heavy equipment on geosynthetics until they are covered with at least 8 inches of select material or aggregate. Replace any damaged geosynthetics to the satisfaction of the Engineer. When approach fills extend beyond bridge approach slabs, wrap Type 4a geotextiles over select material or aggregate and back under approach slabs as shown in *Roadway Standard Drawing* No. 423.03 or

423.04.

Measurement and Payment

Type 1 and 1A approach fills will be paid for at the contract lump sum price for *Type 1 Bridge Approach Fill, Station _____* and Type 2 and 2A approach fills will be paid for at the contract lump sum price for *Type 2 Bridge Approach Fill, Station _____*. The lump sum price for each approach fill will be full compensation for providing labor, tools, equipment and approach fill materials, excavating, backfilling, hauling and removing excavated materials, installing wall facing, geotextiles and outlets, compacting backfill and supplying select material, aggregate, geotextiles, pipe sleeves, outlet pipes and pads and any incidentals necessary to construct approach fills behind bridge end bents.

Compensation for the material placed within the temporary 1.5:1 (H:V) fill slopes will be made in accordance with Section 225, 226, or 230 of the *Standard Specifications*. The cost of removal, including excavating, hauling, placement, and compaction of the material elsewhere on or off the project will be included in the contract lump sum price for *Type 1 Bridge Approach Fill, Station _____*.

The contract lump sum price for *Type 2 Bridge Approach Fill, Station _____* will also be full compensation for supplying and connecting MSE wall reinforcement to end bent caps but not designing MSE wall reinforcement and connectors. The cost of designing reinforcement and connectors for Type 2 approach fills behind bridge end bents with MSE abutment walls will be incidental to the contract unit price for *MSE Retaining Wall No. _____*.

Payment will be made under:

Pay Item

Type 1 Bridge Approach Fill, Station _____
Type 2 Bridge Approach Fill, Station _____

Pay Unit

Lump Sum
Lump Sum

PRICE ADJUSTMENT - ASPHALT BINDER FOR PLANT MIX:

(11-21-00)(Rev. 1-16-24)

620

SP6 R25

Price adjustments for asphalt binder for plant mix will be made in accordance with Section 620 of the *Standard Specifications*.

The base price index for asphalt binder for plant mix is \$ **563.13** per ton.

This base price index represents an average of F.O.B. selling prices of asphalt binder at supplier's terminals on **June 1, 2025**.

FINAL SURFACE TESTING NOT REQUIRED:

(5-18-04) (Rev. 2-16-16)

610

SP6 R45

Final surface testing is not required on this project in accordance with Section 610-13, *Final Surface Testing and Acceptance*.

ELECTRONIC TICKETING SYSTEM:

(7-16-24)(Rev. 12-17-24)

1020

SP10 R20

Description

At the contractor's option, the use of an electronic ticketing system for reporting individual and cumulative asphalt material deliveries may be utilized on this project. At the preconstruction conference, the contractor shall notify the Engineer if they intend to utilize an electronic ticketing system for reporting individual and cumulative asphalt material deliveries to the project.

Electronic Ticketing Requirements

- a. The electronic ticketing system must be fully integrated with the load read-out system at the plant. The system shall be designed so data inputs from scales cannot be altered by either the Contractor or the Department.
- b. Material supplier must test to confirm that ticketing data can be shared from the originating system no less than 30 days prior to project start.
- c. After each truck is loaded, ticket data must be electronically captured, and ticket information uploaded via Application Programming Interface (API) to the Department.
- d. Obtain security token from NCDOT for access to E-Ticketing portal (to send tickets). To request a Security Key, fill out the below E-Ticketing Security Request Form: <https://forms.office.com/g/XnT7QeRtgt>
- e. Obtain API from NCDOT containing the required e-ticketing data fields and format. Download the API from the NCDOT E-ticketing Webpage: <https://connect.ncdot.gov/projects/construction/E-Ticketing/Pages/default.aspx>
- f. Provide all ticket information in real time and daily summaries to the Department's designated web portal. If the project contains locations with limited cellular service, an alternative course of action must be agreed upon.
- g. Electronic ticketing submissions must be sent between the Material Supplier and the Department.
- h. The electronic ticket shall contain the following information:

Date
Contract Number
Supplier Name
Contractor Name
Material
JMF
Gross Weight
Tare Weight
Net Weight
Load Number

Cumulative Weight
 Truck Number
 Weighmaster Certification
 Weighmaster Expiration
 Weighmaster Name
 Facility Name
 Plant Certification Number
 Ticket Number
 Hauling Firm (optional)
 Voided Ticket Number (if necessary)
 Original Ticket Number (if necessary)
 Supplier Revision (If necessary)

The Contractor/supplier can use the electronic ticketing system of their choice to meet the requirements of this provision.

Measurement and Payment

No measurement or payment will be made for utilizing an electronic ticketing system as the cost of such shall be included in the contract price bid for the material being provided.

GLASS BEAD GRADATION FOR PAVEMENT MARKINGS:

(9-17-24)

1087

SP10 R87

Revise the *Standard Specifications* as follows:

Page 10-187, Subarticle 1087-4(C), Gradation & Roundness, after line 6, delete and replace Table 1087-2 with the following:

TABLE 1087-2		
GLASS BEAD GRADATION REQUIREMENTS		
Sieve Size	Gradation Requirements	
	Minimum	Maximum
Passing #20	100%	--
Retained on #30	5%	15%
Retained on #50	40%	80%
Retained on #80	15%	40%
Passing #80	0%	10%
Retained on #200	0%	5%

WATTLE DEVICES:

(1-1-24)

1642

SP16 R01

Page 16-23, Subarticle 1642-2(B) Wattle, lines 10-12, delete and replace with the following:

(B) Wattle and Wattle Barrier

Wattles shall meet Table 1642-1.

TABLE 1642-1 100% CURLED WOOD (EXCELSIOR) FIBERS - WATTLE	
Property	Property Value
Minimum Diameter	12 inches
Minimum Density	2.5 pcf +/- 10%
Net Material	Synthetic
Net Openings	1 inch x 1 inch
Net Configuration	Totally Encased
Minimum Weight	20 lb +/- 10% per 10 foot length

Coir Fiber Wattles shall meet Table 1642-2.

TABLE 1642-2 100% COIR (COCONUT) FIBERS WATTLE	
Property	Property Value
Minimum Diameter	12 inches
Minimum Density	3.5 pcf +/- 10%
Net Material	Coir Fiber
Net Openings	2 inch x 2 inch
Net Strength	90 lb
Minimum Weight	2.6 pcf +/- 10%

Wattle Barriers shall meet Table 1642-3.

TABLE 1642-3 100% CURLED WOOD (EXCELSIOR) FIBERS – WATTLE BARRIER	
Property	Property Value
Minimum Diameter	18 inches
Minimum Density	2.9 pcf +/- 10%
Net Material	Synthetic
Net Openings	1 inch x 1 inch
Net Configuration	Totally Encased
Minimum Weight	5 pcf +/- 10%

Coir Fiber Wattle Barriers shall meet Table 1642-4.

TABLE 1642-4 100% COIR (COCONUT) FIBERS WATTLE BARRIER	
Property	Property Value
Minimum Diameter	18 inches
Minimum Density	5 pcf +/- 10%
Net Material	Coir Fiber
Net Openings	2 inch x 2 inch
Net Strength	90 lb
Minimum Weight	10 pcf +/- 10%

Pages 16-24 & 16-25, Article 1642-5 MEASUREMENT AND PAYMENT, lines 42-47 & lines 1-2, delete and replace with the following:

Wattle will be measured and paid for by the actual number of linear feet of wattles which are installed and accepted. Such price and payment will be full compensation for all work covered by this section, including, but not limited to, furnishing all materials, labor, equipment and incidentals necessary to install the *Wattle*.

Coir Fiber Wattles will be measured and paid for by the actual number of linear feet of coir fiber wattles which are installed and accepted. Such price and payment will be full compensation for all work covered by this section, including, but not limited to, furnishing all materials, labor, equipment and incidentals necessary to install the *Coir Fiber Wattles*.

Wattle Barrier will be measured and paid as the actual number of linear feet of wattle barrier installed and accepted. Such price and payment will be full compensation for all work covered by this provision, including, but not limited to, furnishing all materials, labor, equipment and incidentals necessary to install the *Wattle Barrier*.

Coir Fiber Wattle Barrier will be measured and paid as the actual number of linear feet of coir fiber wattle barrier installed and accepted. Such price and payment will be full compensation for all work covered by this provision, including, but not limited to, furnishing all materials, labor, equipment and incidentals necessary to install the *Coir Fiber Wattle Barrier*.

Page 16-25, Article 1642-5 MEASUREMENT AND PAYMENT, after line 9, delete and replace “___ Wattle Check” with “Wattle”.

Page 16-25, Article 1642-5 MEASUREMENT AND PAYMENT, after line 9, delete and replace “___ Wattle Barrier” with “Wattle Barrier”.

Page 16-25, Article 1642-5 MEASUREMENT AND PAYMENT, after line 9, add the following:

Pay Item	Pay Unit
Coir Fiber Wattle	Linear Foot
Coir Fiber Wattle Barrier	Linear Foot

STANDARD SPECIAL PROVISION
AVAILABILITY OF FUNDS – TERMINATION OF CONTRACTS

(5-20-08)(Rev. 1-16-24)

Z-2

General Statute 143C-6-11. (h) Highway Appropriation is hereby incorporated verbatim in this contract as follows:

(h) Amounts Encumbered. – Transportation project appropriations may be encumbered in the amount of allotments made to the Department of Transportation by the Director for the estimated payments for transportation project contract work to be performed in the appropriation fiscal year. The allotments shall be multiyear allotments and shall be based on estimated revenues and shall be subject to the maximum contract authority contained in *General Statute 143C-6-11(c)*. Payment for transportation project work performed pursuant to contract in any fiscal year other than the current fiscal year is subject to appropriations by the General Assembly. Transportation project contracts shall contain a schedule of estimated completion progress, and any acceleration of this progress shall be subject to the approval of the Department of Transportation provided funds are available. The State reserves the right to terminate or suspend any transportation project contract, and any transportation project contract shall be so terminated or suspended if funds will not be available for payment of the work to be performed during that fiscal year pursuant to the contract. In the event of termination of any contract, the contractor shall be given a written notice of termination at least 60 days before completion of scheduled work for which funds are available. In the event of termination, the contractor shall be paid for the work already performed in accordance with the contract specifications.

Payment will be made on any contract terminated pursuant to the special provision in accordance with Subarticle 108-13(D) of the *Standard Specifications*.

STANDARD SPECIAL PROVISION
NCDOT GENERAL SEED SPECIFICATION FOR SEED QUALITY

(5-17-11)

Z-3

Seed shall be sampled and tested by the North Carolina Department of Agriculture and Consumer Services, Seed Testing Laboratory. When said samples are collected, the vendor shall supply an independent laboratory report for each lot to be tested. Results from seed so sampled shall be final. Seed not meeting the specifications shall be rejected by the Department of Transportation and shall not be delivered to North Carolina Department of Transportation warehouses. If seed has been delivered it shall be available for pickup and replacement at the supplier's expense.

Any re-labeling required by the North Carolina Department of Agriculture and Consumer Services, Seed Testing Laboratory, that would cause the label to reflect as otherwise specified herein shall be rejected by the North Carolina Department of Transportation.

Seed shall be free from seeds of the noxious weeds Johnsongrass, Balloonvine, Jimsonweed, Witchweed, Itchgrass, Serrated Tussock, Showy Crotalaria, Smooth Crotalaria, Sicklepod, Sandbur, Wild Onion, and Wild Garlic. Seed shall not be labeled with the above weed species on the seed analysis label. Tolerances as applied by the Association of Official Seed Analysts will NOT be allowed for the above noxious weeds except for Wild Onion and Wild Garlic.

Tolerances established by the Association of Official Seed Analysts will generally be recognized. However, for the purpose of figuring pure live seed, the found pure seed and found germination percentages as reported by the North Carolina Department of Agriculture and Consumer Services, Seed Testing Laboratory will be used. Allowances, as established by the NCDOT, will be recognized for minimum pure live seed as listed on the following pages.

The specifications for restricted noxious weed seed refers to the number per pound as follows:

<u>Restricted Noxious Weed</u>	<u>Limitations per Lb. Of Seed</u>	<u>Restricted Noxious Weed</u>	<u>Limitations per Lb. of Seed</u>
Blessed Thistle	4 seeds	Cornflower (Ragged Robin)	27 seeds
Cocklebur	4 seeds	Texas Panicum	27 seeds
Spurred Anoda	4 seeds	Bracted Plantain	54 seeds
Velvetleaf	4 seeds	Buckhorn Plantain	54 seeds
Morning-glory	8 seeds	Broadleaf Dock	54 seeds
Corn Cockle	10 seeds	Curly Dock	54 seeds
Wild Radish	12 seeds	Dodder	54 seeds
Purple Nutsedge	27 seeds	Giant Foxtail	54 seeds
Yellow Nutsedge	27 seeds	Horsenettle	54 seeds
Canada Thistle	27 seeds	Quackgrass	54 seeds
Field Bindweed	27 seeds	Wild Mustard	54 seeds
Hedge Bindweed	27 seeds		

Seed of Pensacola Bahiagrass shall not contain more than 7% inert matter, Kentucky Bluegrass, Centipede and Fine or Hard Fescue shall not contain more than 5% inert matter whereas a maximum of 2% inert matter will be allowed on all other kinds of seed. In addition, all seed shall

not contain more than 2% other crop seed nor more than 1% total weed seed. The germination rate as tested by the North Carolina Department of Agriculture shall not fall below 70%, which includes both dormant and hard seed. Seed shall be labeled with not more than 7%, 5% or 2% inert matter (according to above specifications), 2% other crop seed and 1% total weed seed.

Exceptions may be made for minimum pure live seed allowances when cases of seed variety shortages are verified. Pure live seed percentages will be applied in a verified shortage situation. Those purchase orders of deficient seed lots will be credited with the percentage that the seed is deficient.

FURTHER SPECIFICATIONS FOR EACH SEED GROUP ARE GIVEN BELOW:

Minimum 85% pure live seed; maximum 1% total weed seed; maximum 2% total other crop seed; maximum 144 restricted noxious weed seed per pound. Seed less than 83% pure live seed will not be approved.

Sericea Lespedeza
Oats (seeds)

Minimum 80% pure live seed; maximum 1% total weed seed; maximum 2% total other crop; maximum 144 restricted noxious weed seed per pound. Seed less than 78% pure live seed will not be approved.

Tall Fescue (all approved varieties)	Bermudagrass
Kobe Lespedeza	Browntop Millet
Korean Lespedeza	German Millet – Strain R
Weeping Lovegrass	Clover – Red/White/Crimson
Carpetgrass	

Minimum 78% pure live seed; maximum 1% total weed seed; maximum 2% total other crop seed; maximum 144 restricted noxious weed seed per pound. Seed less than 76% pure live seed will not be approved.

Common or Sweet Sundangrass

Minimum 76% pure live seed; maximum 1% total weed seed; maximum 2% total other crop seed; maximum 144 restricted noxious weed seed per pound. Seed less than 74% pure live seed will not be approved.

Rye (grain; all varieties)
Kentucky Bluegrass (all approved varieties)
Hard Fescue (all approved varieties)
Shrub (bicolor) Lespedeza

Minimum 70% pure live seed; maximum 1% total weed seed; maximum 2% total other crop seed; maximum 144 noxious weed seed per pound. Seed less than 70% pure live seed will not be approved.

Centipedegrass	Japanese Millet
Crownvetch	Reed Canary Grass
Pensacola Bahiagrass	Zoysia
Creeping Red Fescue	

Minimum 70% pure live seed; maximum 1% total weed seed; maximum 2% total other crop seed; maximum 5% inert matter; maximum 144 restricted noxious weed seed per pound.

Barnyard Grass
Big Bluestem
Little Bluestem
Bristly Locust
Birdsfoot Trefoil
Indiangrass
Orchardgrass
Switchgrass
Yellow Blossom Sweet Clover

STANDARD SPECIAL PROVISION
ERRATA

(1-16-24) (Rev. 4-15-25)

Z-4

Revise the *2024 Standard Specifications* as follows:

Division 3

Page 3-5, Article 305-2 MATERIALS, after line 16, replace " 1032-3(A)(7)" with "1032-3" and add the item "Galvanized Corrugated Steel Pipe" with Section "1032-3".

Page 3-6, Article 310-2 MATERIALS, after line 9, add the item "Galvanized Corrugated Steel Pipe" with Section "1032-3".

Division 6

Page 6-31, Article 610-16 MEASUREMENT AND PAYMENT, line 13, replace "*Hot Mix Asphalt Pavement*" with "*Asphalt Concrete _____ Course, Type _____*".

Division 9

Page 9-17, Article 904-4 MEASUREMENT AND PAYMENT, prior to line 1, replace " Sign Erection, Relocate Type (Ground Mounted)" with "Sign Erection, Relocate Type ____ (Ground Mounted)".

Division 10

Page 10-51, Article 1024-4 WATER, prior to line 1, delete the "unpopulated blank row" in Table 1024-2 between "Time of set, deviation from control" and "Chloride Ion Content, Max.".

Page 10-170, Subarticle 1081-1(C) Requirements, line 4, replace "maximum" with "minimum".

Division 11

Page 11-15, Article 1160-4 MEASUREMENT AND PAYMENT, line 24, replace "Where barrier units are moved more than one" with "Where barrier units are moved more than once".

Division 15

Page 15-10, Article 1515-4 MEASUREMENT AND PAYMENT, lines 11, replace " All piping" with "All labor, the manhole, other materials, excavation, backfilling, piping".

Division 16

Page 16-14, Article 1633-5 MEASUREMENT AND PAYMENT, line 20-24 and prior to line 25, delete and replace with the following " *Flocculant* will be measured and paid in accordance with Article 1642-5 applied to the temporary rock silt checks."

Page 16-3, Article 1609-2 MATERIALS, after line 26, replace "Type 4" with "Type 4a".

Page 16-25, Article 1644-2 MATERIALS, after line 22, replace "Type 4" with "Type 4a".

STANDARD SPECIAL PROVISION**PLANT AND PEST QUARANTINES**

(Imported Fire Ant, Guava Root Knot Nematode, Spongy Moth (formerly known as gypsy moth), Witchweed, Cogon Grass, And Any Other Regulated Noxious Weed or Plant Pest)

(3-18-03)(Rev. 3-18-25)

Z-04a

Within Quarantined Area

This project may be within a county regulated for plant and/or pests. If the project or any part of the Contractor's operations is located within a quarantined area, thoroughly clean all equipment prior to moving out of the quarantined area. Comply with federal/state regulations by obtaining a certificate or limited permit for any regulated article moving from the quarantined area.

Originating in a Quarantined County

Obtain a certificate or limited permit issued by the N.C. Department of Agriculture/United States Department of Agriculture. Have the certificate or limited permit accompany the article when it arrives at the project site.

Contact

Contact the N.C. Department of Agriculture/United States Department of Agriculture at 1-800-206-9333, 919-707-3730, or <https://www.ncagr.gov/divisions/plant-industry/plant-protection/plant-industry-plant-pest-quarantines> to determine those specific project sites located in the quarantined area or for any regulated article used on this project originating in a quarantined county.

Regulated Articles Include

1. Soil, sand, gravel, compost, peat, humus, muck, and decomposed manure, separately or with other articles. This includes movement of articles listed above that may be associated with cut/waste, ditch pulling, and shoulder cutting.
2. Plants with roots including grass sod.
3. Plant crowns and roots.
4. Bulbs, corms, rhizomes, and tubers of ornamental plants.
5. Hay, straw, fodder, and plant litter of any kind.
6. Clearing and grubbing debris.
7. Used agricultural cultivating and harvesting equipment.
8. Used earth-moving equipment.
9. Any other products, articles, or means of conveyance of any character, if determined by an inspector present a hazard of spreading imported fire ant, guava root knot nematode, spongy moth (formerly known as gypsy moth), witchweed, cogon grass, or other regulated noxious weed or plant pest.

STANDARD SPECIAL PROVISION**TITLE VI AND NONDISCRIMINATION:**

(6-28-77)(Rev 1/16/2024)

Z-6

The North Carolina Department of Transportation is committed to carrying out the U.S. Department of Transportation's policy of ensuring nondiscrimination in the award and administration of contracts.

The provisions of this section related to United States Department of Transportation (US DOT) Order 1050.2A, Title 49 Code of Federal Regulations (CFR) part 21, 23 United States Code (U.S.C.) 140 and 23 CFR part 200 (or 49 CFR 303, 49 U.S.C. 5332 or 49 U.S.C. 47123) are applicable to all North Carolina Department of Transportation (NCDOT) contracts and to all related subcontracts, material supply, engineering, architectural and other service contracts, regardless of dollar amount. Any Federal provision that is specifically required not specifically set forth is hereby incorporated by reference.

(1) Title VI Assurances (USDOT Order 1050.2A, Appendix A)

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

(a) Compliance with Regulations

The contractor (hereinafter includes consultants) shall comply with the Acts and the Regulations relative to Nondiscrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration (FHWA), as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

(b) Nondiscrimination

The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.

(c) Solicitations for Subcontractors, Including Procurements of Materials and Equipment

In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Nondiscrimination on the grounds of race, color, or national origin.

(d) Information and Reports

The contractor shall provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined

by the Recipient or the FHWA to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor shall so certify to the Recipient or the FHWA, as appropriate, and shall set forth what efforts it has made to obtain the information.

(e) Sanctions for Noncompliance:

In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it and/or the FHWA may determine to be appropriate, including, but not limited to:

- (i) Withholding payments to the contractor under the contract until the contractor complies; and/or
- (ii) Cancelling, terminating, or suspending a contract, in whole or in part.

(f) Incorporation of Provisions

The contractor shall include the provisions of paragraphs (a) through (f) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor shall take action with respect to any subcontract or procurement as the Recipient or the FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

(2) Title VI Nondiscrimination Program (23 CFR 200.5(p))

The North Carolina Department of Transportation (NCDOT) has assured the USDOT that, as a condition to receiving federal financial assistance, NCDOT will comply with Title VI of the Civil Rights Act of 1964 and all requirements imposed by Title 49 CFR part 21 and related nondiscrimination authorities to ensure that no person shall, on the ground of race, color, national origin, limited English proficiency, sex, age, or disability (including religion/creed or income-level, where applicable), be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any programs, activities, or services conducted or funded by NCDOT. Contractors and other organizations under contract or agreement with NCDOT must also comply with Title VI and related authorities, therefore:

- (a) During the performance of this contract or agreement, contractors (e.g., subcontractors, consultants, vendors, prime contractors) are responsible for complying with NCDOT's Title VI Program. Contractors are not required to prepare or submit Title VI Programs. To comply with this section, the prime contractor shall:
 - 1. Post NCDOT's Notice of Nondiscrimination and the Contractor's own Equal Employment Opportunity (EEO) Policy in conspicuous locations accessible to all employees, applicants and subcontractors on the jobsite.

2. Physically incorporate the required Title VI clauses into all subcontracts on federally-assisted and state-funded NCDOT projects, and ensure inclusion by subcontractors into all lower-tier subcontracts.
 3. Required Solicitation Language. The Contractor shall include the following notification in all solicitations for bids and requests for work or material, regardless of funding source:

“The North Carolina Department of Transportation, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award. In accordance with other related nondiscrimination authorities, bidders and contractors will also not be discriminated against on the grounds of sex, age, disability, low-income level, creed/religion, or limited English proficiency in consideration for an award.”
 4. Physically incorporate the FHWA-1273, in its entirety, into all subcontracts and subsequent lower tier subcontracts on Federal-aid highway construction contracts only.
 5. Provide language assistance services (i.e., written translation and oral interpretation), free of charge, to LEP employees and applicants. Contact NCDOT OCR for further assistance, if needed.
 6. For assistance with these Title VI requirements, contact the NCDOT Title VI Nondiscrimination Program at 1-800-522-0453.
- (b) Subrecipients (e.g. cities, counties, LGAs, planning organizations) may be required to prepare and submit a Title VI Plan to NCDOT, including Title VI Assurances and/or agreements. Subrecipients must also ensure compliance by their contractors and subrecipients with Title VI. (23 CFR 200.9(b)(7))
- (c) If reviewed or investigated by NCDOT, the contractor or subrecipient agrees to take affirmative action to correct any deficiencies found within a reasonable time period, not to exceed 90 calendar days, unless additional time is granted by NCDOT. (23 CFR 200.9(b)(15))
- (d) The Contractor is responsible for notifying subcontractors of NCDOT’s External Discrimination Complaints Process.
1. Applicability

Title VI and related laws protect participants and beneficiaries (e.g., members of the public and contractors) from discrimination by NCDOT employees, subrecipients and contractors, regardless of funding source.

2. Eligibility

Any person—or class of persons—who believes he/she has been subjected to discrimination based on race, color, national origin, Limited English Proficiency (LEP), sex, age, or disability (and religion in the context of employment, aviation, or transit) may file a written complaint. The law also prohibits intimidation or retaliation of any sort.

3. Time Limits and Filing Options

Complaints may be filed by the affected individual(s) or a representative and must be filed no later than 180 calendar days after the following:

- (i) The date of the alleged act of discrimination; or
- (ii) The date when the person(s) became aware of the alleged discrimination; or
- (iii) Where there has been a continuing course of conduct, the date on which that conduct was discontinued or the latest instance of the conduct.

Title VI and related discrimination complaints may be submitted to the following entities:

- North Carolina Department of Transportation, Office of Civil Rights, Title VI Program, 1511 Mail Service Center, Raleigh, NC 27699-1511; toll free 1-800-522-0453
- Federal Highway Administration, North Carolina Division Office, 310 New Bern Avenue, Suite 410, Raleigh, NC 27601, 919-747-7010
- US Department of Transportation, Departmental Office of Civil Rights, External Civil Rights Programs Division, 1200 New Jersey Avenue, SE, Washington, DC 20590; 202-366-4070

4. Format for Complaints

Complaints must be in writing and signed by the complainant(s) or a representative, and include the complainant's name, address, and telephone number. Complaints received by fax or e-mail will be acknowledged and processed. Allegations received by telephone will be reduced to writing and provided to the complainant for confirmation or revision before processing. Complaints will be accepted in other languages, including Braille.

5. Discrimination Complaint Form

Contact NCDOT Civil Rights to receive a full copy of the Discrimination Complaint Form and procedures.

6. Complaint Basis

Allegations must be based on issues involving race, color, national origin (LEP), sex, age, disability, or religion (in the context of employment, aviation or transit). "Basis" refers to the complainant's membership in a protected group category.

**TABLE 103-1
COMPLAINT BASIS**

Protected Categories	Definition	Examples	Applicable Nondiscrimination Authorities
Race and Ethnicity	An individual belonging to one of the accepted racial groups; or the perception, based usually on physical characteristics that a person is a member of a racial group	Black/African American, Hispanic/Latino, Asian, American Indian/Alaska Native, Native Hawaiian/Pacific Islander, White	Title VI of the Civil Rights Act of 1964; 49 CFR Part 21; 23 CFR 200; 49 U.S.C. 5332(b); 49 U.S.C. 47123. (<i>Executive Order 13166</i>)
Color	Color of skin, including shade of skin within a racial group	Black, White, brown, yellow, etc.	
National Origin (<i>Limited English Proficiency</i>)	Place of birth. Citizenship is not a factor. (<i>Discrimination based on language or a person's accent is also covered</i>)	Mexican, Cuban, Japanese, Vietnamese, Chinese	
Sex	Gender. The sex of an individual. <i>Note:</i> Sex under this program does not include sexual orientation.	Women and Men	1973 Federal-Aid Highway Act; 49 U.S.C. 5332(b); 49 U.S.C. 47123.
Age	Persons of any age	21-year-old person	Age Discrimination Act of 1975 49 U.S.C. 5332(b); 49 U.S.C. 47123.
Disability	Physical or mental impairment, permanent or temporary, or perceived.	Blind, alcoholic, para-amputee, epileptic, diabetic, arthritic	Section 504 of the Rehabilitation Act of 1973; Americans with Disabilities Act of 1990
Religion (in the context of employment) (<i>Religion/ Creed in all aspects of any aviation or transit-related construction</i>)	An individual belonging to a religious group; or the perception, based on distinguishable characteristics that a person is a member of a religious group. In practice, actions taken as a result of the moral and ethical beliefs as to what is right and wrong, which are sincerely held with the strength of traditional religious views. Note: Does not have to be associated with a recognized religious group or church; if an individual sincerely holds to the belief, it is a protected religious practice.	Muslim, Christian, Sikh, Hindu, etc.	Title VII of the Civil Rights Act of 1964; 23 CFR 230; FHWA-1273 Required Contract Provisions. (<i>49 U.S.C. 5332(b); 49 U.S.C. 47123</i>)

(3) Pertinent Nondiscrimination Authorities

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest agrees to comply with the following non-discrimination statutes and authorities, including, but not limited to:

- (a) Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.

- (b) The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- (c) Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- (d) Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability) and 49 CFR Part 27;
- (e) The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- (f) Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- (g) The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- (h) Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- (i) The Federal Aviation Administration's Nondiscrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- (j) Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures Nondiscrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- (k) Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- (l) Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).
- (m) Title VII of the Civil Rights Act of 1964 (42 U.S.C. § 2000e et seq., Pub. L. 88-352), (prohibits employment discrimination on the basis of race, color, religion, sex, or national origin).

(4) Additional Title VI Assurances

***The following Title VI Assurances (Appendices B, C and D) shall apply, as applicable*

- (a) Clauses for Deeds Transferring United States Property (1050.2A, Appendix B)

The following clauses will be included in deeds effecting or recording the transfer of real property, structures, or improvements thereon, or granting interest therein from the United States pursuant to the provisions of Assurance 4.

NOW, THEREFORE, the U.S. Department of Transportation as authorized by law and upon the condition that the North Carolina Department of Transportation (NCDOT) will accept title to the lands and maintain the project constructed thereon in accordance with the North Carolina General Assembly, the Regulations for the Administration of the Federal-Aid Highway Program, and the policies and procedures prescribed by the Federal Highway Administration of the U.S. Department of Transportation in accordance and in compliance with all requirements imposed by Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the U.S. Department of Transportation pertaining to and effectuating the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252; 42 U.S.C. § 2000d to 2000d-4), does hereby remise, release, quitclaim and convey unto the NCDOT all the right, title and interest of the U.S. Department of Transportation in and to said lands described in Exhibit A attached hereto and made a part hereof.

(HABENDUM CLAUSE)

TO HAVE AND TO HOLD said lands and interests therein unto the North Carolina Department of Transportation (NCDOT) and its successors forever, subject, however, to the covenants, conditions, restrictions and reservations herein contained as follows, which will remain in effect for the period during which the real property or structures are used for a purpose for which Federal financial assistance is extended or for another purpose involving the provision of similar services or benefits and will be binding on the NCDOT, its successors and assigns.

The NCDOT, in consideration of the conveyance of said lands and interests in lands, does hereby covenant and agree as a covenant running with the land for itself, its successors and assigns, that (1) no person will on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination with regard to any facility located wholly or in part on, over, or under such lands hereby conveyed [,] [and]* (2) that the NCDOT will use the lands and interests in lands and interests in lands so conveyed, in compliance with all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the U.S. Department of Transportation, Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations and Acts may be amended [, and (3) that in the event of breach of any of the above-mentioned nondiscrimination conditions, the Department will have a right to enter or re-enter said lands and facilities on said land, and that above described land and facilities will thereon revert to and vest in and become the absolute property of the U.S. Department of Transportation and its assigns as such interest existed prior to this instruction].*

(*Reverter clause and related language to be used only when it is determined that such a clause is necessary in order to make clear the purpose of Title VI.)

(b) Clauses for Transfer of Real Property Acquired or Improved Under the Activity, Facility, or Program (1050.2A, Appendix C)

The following clauses will be included in deeds, licenses, leases, permits, or similar instruments entered into by the North Carolina Department of Transportation (NCDOT) pursuant to the provisions of Assurance 7(a):

1. The (grantee, lessee, permittee, etc. as appropriate) for himself/herself, his/her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree [in the case of deeds and leases add "as a covenant running with the land"] that:
 - (i.) In the event facilities are constructed, maintained, or otherwise operated on the property described in this (deed, license, lease, permit, etc.) for a purpose for which a U.S. Department of Transportation activity, facility, or program is extended or for another purpose involving the provision of similar services or benefits, the (grantee, licensee, lessee, permittee, etc.) will maintain and operate such facilities and services in compliance with all requirements imposed by the Acts and Regulations (as may be amended) such that no person on the grounds of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.
2. With respect to licenses, leases, permits, etc., in the event of breach of any of the above Nondiscrimination covenants, the NCDOT will have the right to terminate the (lease, license, permit, etc.) and to enter, re-enter, and repossess said lands and facilities thereon, and hold the same as if the (lease, license, permit, etc.) had never been made or issued. *
3. With respect to a deed, in the event of breach of any of the above Nondiscrimination covenants, the NCDOT will have the right to enter or re-enter the lands and facilities thereon, and the above described lands and facilities will there upon revert to and vest in and become the absolute property of the NCDOT and its assigns. *

(*Reverter clause and related language to be used only when it is determined that such a clause is necessary to make clear the purpose of Title VI.)

(c) Clauses for Construction/Use/Access to Real Property Acquired Under the Activity, Facility or Program (1050.2A, Appendix D)

The following clauses will be included in deeds, licenses, permits, or similar instruments/ agreements entered into by the North Carolina Department of Transportation (NCDOT) pursuant to the provisions of Assurance 7(b):

1. The (grantee, licensee, permittee, etc., as appropriate) for himself/herself, his/her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree (in the case of deeds and leases add, "as a covenant running with the land") that (1) no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land, and the furnishing of services thereon, no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, (3) that the (grantee, licensee, lessee, permittee, etc.) will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and Regulations, as amended, set forth in this Assurance.
2. With respect to (licenses, leases, permits, etc.), in the event of breach of any of the above Non-discrimination covenants, the NCDOT will have the right to terminate the (license, permit, etc., as appropriate) and to enter or re-enter and repossess said land and the facilities thereon, and hold the same as if said (license, permit, etc., as appropriate) had never been made or issued. *
3. With respect to deeds, in the event of breach of any of the above Nondiscrimination covenants, the NCDOT will there upon revert to and vest in and become the absolute property of the NCDOT and its assigns. *

(*Reverter clause and related language to be used only when it is determined that such a clause is necessary to make clear the purpose of Title VI.)

STANDARD SPECIAL PROVISION**MINORITY AND FEMALE EMPLOYMENT REQUIREMENTS**

Z-7

NOTICE OF REQUIREMENTS FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (*EXECUTIVE NUMBER 11246*)

1. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, see as shown on the attached sheet entitled "Employment Goals for Minority and Female participation".

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the Contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The Contractor's compliance with the Executive Order and the regulations in *41 CFR Part 60-4* shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in *41 CFR 60-4.3(a)*, and its effort to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the executive Order and the regulations in *41 CFR Part 60-4*. Compliance with the goals will be measured against the total work hours performed.

2. As used in this Notice and in the contract resulting from this solicitation, the "covered area" is the county or counties shown on the cover sheet of the proposal form and contract.

**EMPLOYMENT GOALS FOR MINORITY
AND FEMALE PARTICIPATION**

Economic Areas

Area 023 29.7%

Bertie County
Camden County
Chowan County
Gates County
Hertford County
Pasquotank County
Perquimans County

Area 024 31.7%

Beaufort County
Carteret County
Craven County
Dare County
Edgecombe County
Green County
Halifax County
Hyde County
Jones County
Lenoir County
Martin County
Nash County
Northampton County
Pamlico County
Pitt County
Tyrrell County
Washington County
Wayne County
Wilson County

Area 025 23.5%

Columbus County
Duplin County
Onslow County
Pender County

Area 026 33.5%

Bladen County
Hoke County
Richmond County
Robeson County
Sampson County
Scotland County

Area 027 24.7%

Chatham County
Franklin County
Granville County
Harnett County
Johnston County
Lee County
Person County
Vance County
Warren County

Area 028 15.5%

Alleghany County
Ashe County
Caswell County
Davie County
Montgomery County
Moore County
Rockingham County
Surry County
Watauga County
Wilkes County

Area 029 15.7%

Alexander County
Anson County
Burke County
Cabarrus County
Caldwell County
Catawba County
Cleveland County
Iredell County
Lincoln County
Polk County
Rowan County
Rutherford County
Stanly County

Area 0480 8.5%

Buncombe County
Madison County

Area 030 6.3%

Avery County
Cherokee County
Clay County
Graham County
Haywood County
Henderson County
Jackson County
McDowell County
Macon County
Mitchell County
Swain County
Transylvania County
Yancey County

SMSA Areas**Area 5720 26.6%**

Currituck County

Area 9200 20.7%

Brunswick County

New Hanover County

Area 2560 24.2%

Cumberland County

Area 6640 22.8%

Durham County

Orange County

Wake County

Area 1300 16.2%

Alamance County

Area 3120 16.4%

Davidson County

Forsyth County

Guilford County

Randolph County

Stokes County

Yadkin County

Area 1520 18.3%

Gaston County

Mecklenburg County

Union County

Goals for FemaleParticipation in Each Trade

(Statewide) 6.9%

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

- I. General
- II. Nondiscrimination
- III. Non-segregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
- XI. Certification Regarding Use of Contract Funds for Lobbying
- XII. Use of United States-Flag Vessels:

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under title 23, United States Code, as required in 23 CFR 633.102(b) (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services). 23 CFR 633.102(e).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider. 23 CFR 633.102(e).

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services) in accordance with 23 CFR 633.102. The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract). 23 CFR 633.102(b).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work

performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract. 23 CFR 633.102(d).

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION (23 CFR 230.107(a); 23 CFR Part 230, Subpart A, Appendix A; EO 11246)

The provisions of this section related to 23 CFR Part 230, Subpart A, Appendix A are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR Part 60, 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR Part 60, and 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR Part 230, Subpart A, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal Employment Opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (see 28 CFR Part 35, 29 CFR Part 1630, 29 CFR Parts 1625-1627, 41 CFR Part 60 and 49 CFR Part 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140, shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract. 23 CFR 230.409 (g)(4) & (5).

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, sexual orientation, gender identity, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action or are substantially involved in such action, will be made fully cognizant of and will implement the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer or other knowledgeable company official.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action

within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs (i.e., apprenticeship and on-the-job training programs for the geographical area of contract performance). In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. 23 CFR 230.409. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide

sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants /

Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established thereunder. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:

The contractor shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors, suppliers, and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurances Required:

a. The requirements of 49 CFR Part 26 and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

- (1) Withholding monthly progress payments;
- (2) Assessing sanctions;
- (3) Liquidated damages; and/or
- (4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E are incorporated by reference. 49 CFR Part 21.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women.

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of more than \$10,000. 41 CFR 60-1.5.

As prescribed by 41 CFR 60-1.8, the contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location under the contractor's control where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway

Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages (29 CFR 5.5)

a. *Wage rates and fringe benefits.* All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act ([29 CFR part 3](#))), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act ([40 U.S.C. 3141\(2\)\(B\)](#)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided*, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH-1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. *Frequently recurring classifications.* (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in [29 CFR part 1](#), a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

(i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

(ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such classifications in accordance with paragraph 1.c.(1)(iii) of this section. Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

c. *Conformance.* (1) The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract be classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is used in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

(3) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer by email to DBAconformance@dol.gov. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(4) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will, by email to DBAconformance@dol.gov, refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(5) The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division

under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

d. *Fringe benefits not expressed as an hourly rate.*

Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. *Unfunded plans.* If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided*, That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in § 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

f. *Interest.* In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding (29 CFR 5.5)

a. *Withholding requirements.* The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with paragraph

2.a. of this section or Section V, paragraph 3.a., or both, over claims to those funds by:

- (1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;
- (2) A contracting agency for its procurement costs;
- (3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;
- (4) A contractor's assignee(s);
- (5) A contractor's successor(s); or
- (6) A claim asserted under the Prompt Payment Act, [31 U.S.C. 3901](#)–3907.

3. Records and certified payrolls (29 CFR 5.5)

a. *Basic record requirements* (1) *Length of record retention.* All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) *Information required.* Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in [40 U.S.C. 3141\(2\)\(B\)](#) of the Davis-Bacon Act); daily and weekly number of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) *Additional records relating to fringe benefits.* Whenever the Secretary of Labor has found under paragraph 1.e. of this section that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in [40 U.S.C. 3141\(2\)\(B\)](#) of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

(4) *Additional records relating to apprenticeship.* Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. *Certified payroll requirements* (1) *Frequency and method of submission.* The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to the contracting

agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) *Information required.* The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (e.g., the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH-347 or in any other format desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division website at <https://www.dol.gov/sites/dolgov/files/WHDL/legacy/files/wh347.pdf> or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) *Statement of Compliance.* Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in [29 CFR part 3](#); and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) *Use of Optional Form WH-347.* The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section.

(5) *Signature.* The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) *Falsification.* The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under [18 U.S.C. 1001](#) and [31 U.S.C. 3729](#).

(7) *Length of certified payroll retention.* The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. *Contracts, subcontracts, and related documents.* The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. *Required disclosures and access (1) Required record disclosures and access to workers.* The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) *Sanctions for non-compliance with records and worker access requirements.* If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under [29 CFR part 6](#) any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) *Required information disclosures.* Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address

of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity (29 CFR 5.5)

a. *Apprentices (1) Rate of pay.* Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) *Fringe benefits.* Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

(3) *Apprenticeship ratio.* The allowable ratio of apprentices to journeymen on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) *Reciprocity of ratios and wage rates.* Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

b. *Equal employment opportunity.* The use of apprentices and journeymen under this part must be in conformity with

the equal employment opportunity requirements of Executive Order 11246, as amended, and [29 CFR part 30](#).

c. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeyworkers shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor must insert FHWA-1273 in any subcontracts, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate. 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility. a. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of [40 U.S.C. 3144\(b\)](#) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of [40 U.S.C. 3144\(b\)](#) or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, [18 U.S.C. 1001](#).

11. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#);

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#);

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#); or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#).

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchpersons and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph 1. of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or

mechanic, including watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1. of this section.

* \$31 as of January 15, 2023 (See 88 FR 88 FR 2210) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

3. Withholding for unpaid wages and liquidated damages

a. *Withholding process.* The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with Section IV paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

- (1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;
- (2) A contracting agency for its repurchase costs;
- (3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;
- (4) A contractor's assignee(s);
- (5) A contractor's successor(s); or
- (6) A claim asserted under the Prompt Payment Act, [31 U.S.C. 3901–3907](#).

4. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the

event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

d. Informing any other person about their rights under CWHSSA or this part.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" in paragraph 1 of Section VI refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

- (3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
- (4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and

health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of \$150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

1. Instructions for Certification – First Tier Participants:

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (<https://www.sam.gov/>). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;.

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

3. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contractor). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (<https://www.sam.gov>), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily

excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

* * * * *

4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(1) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or

cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

XII. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS
PREFERENCE FOR APPALACHIAN DEVELOPMENT
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS
ROAD CONTRACTS (23 CFR 633, Subpart B, Appendix B)**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

STANDARD SPECIAL PROVISION**ON-THE-JOB TRAINING**

(10-16-07) (Rev. 4-21-15)

Z-10

Description

The North Carolina Department of Transportation will administer a custom version of the Federal On-the-Job Training (OJT) Program, commonly referred to as the Alternate OJT Program. All contractors (existing and newcomers) will be automatically placed in the Alternate Program. Standard OJT requirements typically associated with individual projects will no longer be applied at the project level. Instead, these requirements will be applicable on an annual basis for each contractor administered by the OJT Program Manager.

On the Job Training shall meet the requirements of 23 CFR 230.107 (b), 23 USC – Section 140, this provision and the On-the-Job Training Program Manual.

The Alternate OJT Program will allow a contractor to train employees on Federal, State and privately funded projects located in North Carolina. However, priority shall be given to training employees on NCDOT Federal-Aid funded projects.

Minorities and Women

Developing, training and upgrading of minorities and women toward journeyman level status is a primary objective of this special training provision. Accordingly, the Contractor shall make every effort to enroll minority and women as trainees to the extent that such persons are available within a reasonable area of recruitment. This training commitment is not intended, and shall not be used, to discriminate against any applicant for training, whether a member of a minority group or not.

Assigning Training Goals

The Department, through the OJT Program Manager, will assign training goals for a calendar year based on the contractors' past three years' activity and the contractors' anticipated upcoming year's activity with the Department. At the beginning of each year, all contractors eligible will be contacted by the Department to determine the number of trainees that will be assigned for the upcoming calendar year. At that time the Contractor shall enter into an agreement with the Department to provide a self-imposed on-the-job training program for the calendar year. This agreement will include a specific number of annual training goals agreed to by both parties. The number of training assignments may range from 1 to 15 per contractor per calendar year. The Contractor shall sign an agreement to fulfill their annual goal for the year.\

Training Classifications

The Contractor shall provide on-the-job training aimed at developing full journeyman level workers in the construction craft/operator positions. Preference shall be given to providing training in the following skilled work classifications:

Equipment Operators	Office Engineers
Truck Drivers	Estimators
Carpenters	Iron / Reinforcing Steel Workers
Concrete Finishers	Mechanics
Pipe Layers	Welders

The Department has established common training classifications and their respective training requirements that may be used by the contractors. However, the classifications established are not all-inclusive. Where the training is oriented toward construction applications, training will be allowed in lower-level management positions such as office engineers and estimators. Contractors shall submit new classifications for specific job functions that their employees are performing. The Department will review and recommend for acceptance to FHWA the new classifications proposed by contractors, if applicable. New classifications shall meet the following requirements:

Proposed training classifications are reasonable and realistic based on the job skill classification needs, and

The number of training hours specified in the training classification is consistent with common practices and provides enough time for the trainee to obtain journeyman level status.

The Contractor may allow trainees to be trained by a subcontractor provided that the Contractor retains primary responsibility for meeting the training and this provision is made applicable to the subcontract. However, only the Contractor will receive credit towards the annual goal for the trainee.

Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training. The number of trainees shall be distributed among the work classifications on the basis of the contractor's needs and the availability of journeymen in the various classifications within a reasonable area of recruitment.

No employee shall be employed as a trainee in any classification in which they have successfully completed a training course leading to journeyman level status or in which they have been employed as a journeyman.

Records and Reports

The Contractor shall maintain enrollment, monthly and completion reports documenting company compliance under these contract documents. These documents and any other information as requested shall be submitted to the OJT Program Manager.

Upon completion and graduation of the program, the Contractor shall provide each trainee with a certification Certificate showing the type and length of training satisfactorily completed.

Trainee Interviews

All trainees enrolled in the program will receive an initial and Trainee/Post graduate interview conducted by the OJT program staff.

Trainee Wages

Contractors shall compensate trainees on a graduating pay scale based upon a percentage of the prevailing minimum journeyman wages (Davis-Bacon Act). Minimum pay shall be as follows:

60 percent	of the journeyman wage for the first half of the training period
75 percent	of the journeyman wage for the third quarter of the training period
90 percent	of the journeyman wage for the last quarter of the training period

In no instance shall a trainee be paid less than the local minimum wage. The Contractor shall adhere to the minimum hourly wage rate that will satisfy both the NC Department of Labor (NCDOL) and the Department.

Achieving or Failing to Meet Training Goals

The Contractor will be credited for each trainee employed by him on the contract work who is currently enrolled or becomes enrolled in an approved program and who receives training for at least 50 percent of the specific program requirement. Trainees will be allowed to be transferred between projects if required by the Contractor's scheduled workload to meet training goals.

If a contractor fails to attain their training assignments for the calendar year, they may be taken off the NCDOT's Bidders List.

Measurement and Payment

No compensation will be made for providing required training in accordance with these contract documents.

STANDARD SPECIAL PROVISION
MINIMUM WAGES
GENERAL DECISION NC20250087 01/03/2025 NC87

Z-087

Date: January 3, 2025

General Decision Number: NC20250087 01/03/2025 NC87

Superseded General Decision Numbers: NC20240087

State: North Carolina

Construction Type: HIGHWAY

COUNTIES:

Alexander	Caldwell	Henderson
Buncombe	Catawba	Madison
Burke	Haywood	

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	Executive Order 14026 generally applies to the contract. The contractor must pay all covered workers at least \$17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	Executive Order 13658 generally applies to the contract. The contractor must pay all covered workers at least \$13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number
0

Publication Date
01/03/2025

SUNC2014-002 11/13/2014

	Rates	Fringes
BLASTER	20.93	
CARPENTER	13.48 **	
CEMENT MASON/CONCRETE FINISHER	14.40 **	
ELECTRICIAN		
Electrician	18.79	2.62
Telecommunications Technician	14.67 **	1.67
IRONWORKER	12.48 **	
LABORER		
Asphalt Raker and Spreader	11.76 **	
Asphalt Screed/Jackman	15.38 **	.08
Carpenter Tender	10.50 **	
Cement Mason/Concrete Finisher Tender	11.04 **	
Common or General	11.90 **	
Guardrail/Fence Installer	13.09 **	
Pipelayer	12.87 **	
Traffic Signal/Lighting Installer	15.33 **	.22
PAINTER		
Bridge	20.67	
POWER EQUIPMENT OPERATORS		
Asphalt Broom Tractor	10.00 **	
Bulldozer Fine	16.28 **	
Bulldozer Rough	14.51 **	
Concrete Grinder/Groover	19.20	
Crane Boom Trucks	18.19	
Crane Other	18.69	
Crane Rough/All-Terrain	19.19	
Drill Operator Rock	15.00 **	
Drill Operator Structure	21.07	
Excavator Fine	16.02 **	
Excavator Rough	14.67 **	
Grader/Blade Fine	19.86	
Grader/Blade Rough	15.12 **	
Loader 2 Cubic Yards or Less	12.38 **	
Loader Greater Than 2 Cubic Yards	17.91	
Material Transfer Vehicle (Shuttle Buggy)	15.44 **	
Mechanic	17.86	
Milling Machine	15.08 **	
Off-Road Hauler/Water Tanker	11.95 **	
Oiler/Greaser	15.05 **	
Pavement Marking Equipment	11.99 **	
Paver Asphalt	17.84	.08
Paver Concrete	18.20	
Roller Asphalt Breakdown	15.00 **	.08
Roller Asphalt Finish	16.08 **	.07
Roller Other	12.51 **	.03
Scraper Finish	12.86 **	
Scraper Rough	13.83 **	

	Rates	Fringes
Slip Form Machine	20.38	
Tack Truck/Distributor Operator	14.81 **	.02
TRUCK DRIVER		
GVWR of 26,001 Lbs or Greater	13.65 **	
GVWR of 26,000 Lbs or Less	12.48 **	

Welders – Receive rate prescribed for craft performing operation to which welding is incidental.

** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.75) or 13658 (\$13.30). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(iii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than "SU", "UAVG", "SA", or "SC" denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The "SU" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

"SU" wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The "SA" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R. 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the "SA" identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

- 1) Has there been an initial decision in the matter? This can be:
 - a) a survey underlying a wage determination
 - b) an existing published wage determination
 - c) an initial WHD letter setting forth a position on a wage determination matter
 - d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division

U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, D.C. 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, D.C. 20210

- 2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via mail to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, D.C. 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

- 3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, D.C. 20210

END OF GENERAL DECISION

DRILLED PIER PILOT BORING**(SPECIAL)****1.0 GENERAL**

The Contractor is responsible for creating access to all Bent locations for Bent 1 and Bent 2. This access will be used by an approved subcontractor to drill pilot borings to be used in the final drilled pier design for all piers in Bent 1 and 2.

2.0 MATERIALS

The Contractor can use any means that has been included in the permitted project to provide access to the drilled pier locations.

3.0 PREDRILLING REQUIREMENTS**A. Survey Pier Locations**

Prior to drilling the Contractor will have the center of each pier location surveyed and clearly marked.

Predrilling Meeting

Before beginning drilling, hold a predrilling meeting to discuss the needs of the pilot hole borings. The Resident or Bridge Maintenance Engineer, Bridge Construction Engineer, Geotechnical Operations Engineer, Contractor and Drilling Subcontractor will attend preconstruction meetings.

4.0 PILOT BORING REQUIREMENTS

The Drilling Subcontractor will drill a pilot boring within the drilled shaft footprint for each drilled shaft to be used in Bent 1 and Bent 2.

For Bent 1, each boring will be advanced to a tip elevation of 2,620 feet.

For Bent 2, each boring will be advanced to a tip elevation of 2,617 feet (LT); 2,613 feet (CTR) and 2,609 feet (RT).

A. Work Experience

The Drilling Subcontractor is to be selected from the Approved Firms List, located here:

<https://www.ebs.nc.gov/VendorDirectory/search.html?s=pc&a=new>

The Subcontractor will have to be currently on the list and approved to perform “Structure Foundation Investigation and Design”, Code 295

B. Final Product

Using the NCDOT Geotechnical Investigation Manual as a guide, the Subcontractor is to drill each pilot hole using all means necessary to collect representative samples from each hole. The field logs should note all variances in drill behavior on the logs. All coring products should be clearly labelled and boxed in approved core boxes.

The field logs along with the core boxes should be delivered to the Geotechnical Field Office located at:

P.O. Box 3279
U.S. Highway 74
Asheville, NC 28802

Coordinate with Shane Clark, PE at (828-298-3228) prior to delivery to work out any final instructions or directions.

5.0 UPDATED DRILLED PIER LENGTHS

Within 10 working days of the receiving the Drilled Pier Pilot Boring data, the NCDOT Geotechnical Engineering Unit will provide "Tip No-Higher-Than Elevation" and other drilled pier requirements for each Drilled Pier in Bents 1 and 2 to the Resident Engineer and Contractor.

6.0 MEASUREMENT AND PAYMENT

Drilling footage for Drilled Pier Pilot Borings will not be measured.

The contract unit price for Drilled Pier Pilot Borings will be full compensation for providing labor, per diem, tools, equipment, excavating, packaging, delivery and any miscellaneous components or incidentals necessary to complete the task.

Surveying, providing access, backfilling, hauling and regrading excavated materials and any miscellaneous components or incidentals necessary to complete the task by the Contractor will be considered incidental, with no additional compensation from the Department.

Payment will be made under:

Pay Item

Drilled Pier Pilot Boring

Pay Unit

Each



DocuSigned by

Michael J. Walko

11/05/2024

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MICROPILES**(1-16-24)****1.0 GENERAL**

A micropile is a small diameter, drilled and grouted non-displacement pile with a reinforcing casing and typically a center reinforcing bar. Load testing is required when noted in the plans. Design and construct micropiles with the required resistance in accordance with the contract and accepted submittals. Use a prequalified Micropile Contractor for micropile work. Define “pile” as a micropile, “casing” as reinforcing casing and “bar” as a center reinforcing bar.

2.0 MATERIALS

Refer to the *Standard Specifications*.

Item	Section
Portland Cement	1024-1
Water	1024-4

Use neat cement grout that only contains cement and water with a water cement ratio of 0.4 to 0.5 which is approximately 5.5 gallons of water per 94 lb of Portland cement. Provide grout with a compressive strength at 3 and 28 days of at least 1,500 psi and 4,000 psi, respectively.

A. Reinforcement

Provide Type 1 material certifications in accordance with Article 106-3 of the *Standard Specifications* for steel casings and bars. Store casings and bars on blocking at least 12" above the ground and protect it at all times from damage; and when placing in the work make sure it is free from dirt, dust, loose mill scale, loose rust, paint, oil or other foreign materials. Load, transport, unload and store micropile materials so materials are kept clean and free of damage.

1. Reinforcing Casings

Use steel pipes that meet American Petroleum Institute (API) 5CT, Grade N80 or ASTM A252 with a yield strength of 80 ksi for reinforcing casings. Provide prime mill certified steel pipes that meet Subarticle 106-1(B) of the *Standard Specifications* for casings. Do not use “New or Mill Secondary”, “Structural” or “Limited Service” steel pipes as described by the *National Association of Steel Pipe Distributors Tubular Products Manual*. Use casings with the nominal wall thickness shown in the plans and outside diameters ranging from the minimum shown in the plans to 3" larger.

2. Center Reinforcing Bars

Use deformed steel bars that meet AASHTO M 275 or M 31, Grade 60 or 75 for center reinforcing bars. Splice bars in accordance with Article 1070-9 of the

Standard Specifications. Locate casing joints at least 2 ft from bar splices.

B. Centralizers

Use bar centralizers that meet Article 6.3.5 of the *AASHTO LRFD Bridge Construction Specifications*. Size centralizers to position bars within 1" of drill hole centers and allow tremies to be inserted to bottom of holes. Use centralizers that do not interfere with grout placement or flow around bars.

C. Corrosion Protection

Provide epoxy coated bars that meet Article 1070-7 of the *Standard Specifications*. Galvanize exposed casings in accordance with Section 1076 of the *Standard Specifications*. After installing piles, clean exposed galvanized surfaces of casings with a 2,500 psi pressure washer. Apply organic zinc repair paint to exposed casing joints and repair damaged galvanized surfaces that are exposed in accordance with Article 1076-7 of the *Standard Specifications*.

3.0 PRECONSTRUCTION REQUIREMENTS

A. Micropile Designs

For micropile designs, submit PDF files of working drawings and design calculations at least 30 days before the preconstruction meeting. Do not begin micropile construction until a design submittal is accepted.

Use a prequalified Micropile Design Consultant to design piles. Provide designs sealed by a Design Engineer approved as a Geotechnical Engineer (key person) for the Micropile Design Consultant.

The pile layout and inclination, casing dimensions and tip elevations, pile to cap/footing connection, top of pile elevations and pile resistances are shown in the plans. Verify existing site conditions and survey information before designing piles.

Design piles in accordance with the *AASHTO LRFD Bridge Design Specifications* unless otherwise required. Define "bond length" as the pile length below the casing tip elevation noted in the plans. Determine the bond length and reinforcement for the factored resistance noted in the plans. Assume a design casing wall thickness of 12.5% less than nominal plus an additional 0.125" less due to corrosion. A bond length of at least 10 ft is required for each pile. If verification load testing is required, use a resistance factor of 0.70 for axial compression and uplift resistance. Otherwise, use a resistance factor of 0.55. When using tension load tests to determine nominal grout-to-ground bond resistances for axial compression resistance, neglect pile tip resistance.

Either extend casings below required tip elevations or use bars for reinforcement. Extend bars or casings full length of piles and provide at least 0.50" of grout cover outside casings. Design and locate casing joints as shown in the plans.

Submit working drawings and design calculations including estimated unit nominal resistances for acceptance in accordance with Article 105-2 of the *Standard Specifications*. Submit working drawings showing all micropile details including any dimensions, quantities, elevations and cross-sections necessary to construct the piles.

B. Micropile Construction Plan

Submit a PDF file of a micropile construction plan at least 30 days before the preconstruction meeting. Do not begin micropile construction until the construction plan submittal is accepted. Provide detailed project specific information in the micropile construction plan that includes the following:

1. List and sizes of proposed equipment including micropile drilling rigs and tools, tremies and grouting equipment;
2. Sequence of pile construction and step-by-step description of pile installation including details of casing installation, drilling methods and flushing;
3. List of reinforcement including grades or yield strength and sizes;
4. Methods for placing reinforcement with procedures for supporting and positioning the reinforcement including centralizers;
5. Procedures for placing grout including how the grout will be initially placed in drill holes and acceptable ranges for grout pressures and volumes;
6. Equipment and procedures for monitoring and recording grout levels, pressures and volumes with calibration certificates dated within 90 days of the submittal date;
7. Examples of construction records to be provided that meet Section 4.0(C) of this provision;
8. Procedures for containment and disposal of drilling spoils, drill flush and waste grout;
9. Grout mix design with acceptable ranges for grout flow and density;
10. If load testing is required, load testing details, procedures and plan sealed by the Design Engineer or Project Engineer for the Load Test Supplier with calibration certificates dated within 90 days of the submittal date;
11. Load Test Supplier, when applicable, including Project Engineer; and
12. Other information shown in the plans or requested by the Engineer.

If alternate installation and testing procedures are proposed or necessary, a revised micropile construction plan submittal may be required. If the work deviates from the accepted submittal without prior approval, the Engineer may suspend pile construction until a revised plan is accepted.

C. Demonstration Micropiles

When shown in the plans or as directed, construct demonstration piles in accordance with the accepted submittals and this provision. The pile inclination, minimum reinforcement and locations of demonstration piles are shown in the plans. Install demonstration piles

to the depth of the longest pile on the project or the length required for verification load tests.

The purpose of demonstration piles is to demonstrate the Micropile Contractor's ability to successfully install micropiles. The demonstration pile results will be used to evaluate the grouting operation and possibly revise acceptable grouting ranges established with the micropile construction plan. If load testing is required for a demonstration pile, the results will be used to evaluate the pile design including estimated unit nominal resistances.

If the Engineer determines a demonstration pile is unsatisfactory, a replacement pile is required. Do not begin construction of any production piles until all demonstration piles are accepted.

D. Preconstruction Meeting

Before starting micropile construction, hold a preconstruction meeting to discuss the construction, monitoring and testing of the piles. If this meeting occurs before all pile submittals have been accepted, additional preconstruction meetings may be required before beginning pile construction without accepted submittals. The Resident or Bridge Maintenance Engineer, Area Construction Engineer, Geotechnical Operations Engineer, Contractor and Micropile Contractor Superintendent will attend preconstruction meetings.

4.0 CONSTRUCTION METHODS

Use equipment and methods accepted in the micropile construction plan or approved by the Engineer. Inform the Engineer of any deviations from the accepted plan. Install production piles in the same way as satisfactory demonstration piles, if applicable.

Dispose of drilling spoils, drill flush and waste grout as directed and in accordance with Section 802 of the *Standard Specifications*. Drilling spoils consist of all excavated material and fluids removed from drill holes.

Control drilling and grouting to prevent excessive ground movements, damaging structures and pavements and fracturing rock and soil formations. If ground heave or subsidence occurs, suspend pile construction and take corrective action to minimize movement. If property damage occurs, make repairs with an approved method and a revised micropile design or construction plan may be required.

A. Drilling and Reinforcement

Use micropile drilling rigs capable of drilling through whatever materials are encountered to the dimensions and elevations required for the pile design. Install piles with tip elevations no higher than shown in the accepted submittals or approved by the Engineer.

Do not install casings or begin drilling within 6 pile diameters, center to center, or 5 ft,

whichever is greater, of completed piles until grout in piles reaches initial set. More clearance may be necessary if pile construction affects adjacent piles.

Install casings to a tip elevation no higher than that noted in the plans. Also, when noted in the plans, install casings with a penetration of at least 5 ft into rock as determined by the Engineer. Locate casing joints in accordance with the accepted submittals. If any welding is required for casings, comply with Article 33.3.6 of the *AASHTO LRFD Bridge Construction Specifications*. Submit welding procedures for approval before welding casings.

Use drilling methods that result in the annulus between casings and the ground filled with grout. Check for correct pile location and plumbness or proper inclination before beginning drilling. Stabilize drill holes with casings from beginning of drilling through grouting if unstable material is anticipated or encountered. After drilling, flush drill holes with water or air to remove drill cuttings and other loose materials.

Use centralizers to center bars in drill holes. Securely attach bar centralizers at maximum 10 ft intervals along bars. Attach upper and lowermost centralizers 5 ft from the top and bottom of piles.

Place bars before grouting or after while grout is still fluid. Do not vibrate or drive reinforcement. Bars may be gently pushed into grout. If bars can only be partially inserted, redrill or clean drill holes to permit complete insertion.

B. Grouting

Remove oil, rust inhibitors, residual drilling fluids and similar foreign materials from holding tanks/hoppers, stirring devices, pumps, lines, tremie pipes and all other equipment in contact with grout before use. Size grouting equipment to grout each pile in one continuous operation. Field calibrate grout pumps at the beginning of construction.

Mix and place grout in accordance with Subarticles 1003-5, 1003-6 and 1003-7 of the *Standard Specifications*. Measure grout temperature, density and flow during grouting with at least the same frequency grout cubes are made for compressive strength. Perform density and flow field tests in the presence of the Engineer in accordance with American National Standards Institute/API Recommended Practice 13B-1 (Section 4, Mud Balance) and ASTM C939 (Flow Cone), respectively.

Grout piles the same day the bond length is drilled and do not leave drill holes open overnight. Place grout with a tremie in accordance with the contract and accepted submittals until uncontaminated grout flows from the top of the pile. Extend tremie pipe into grout at least 5 ft at all times except when grout is initially placed in drill holes. Provide grout free of segregation, intrusions, contamination, structural damage or inadequate consolidation (honeycombing).

Monitor and record grout levels, pressures and volumes during placement. To monitor grout pressure, use pumps equipped with a pressure gauge and locate a second pressure

gauge at the point of injection into the drill hole. Use pressure gauges that can measure pressures of at least 150 psi or twice the actual grout pressures, whichever is greater.

C. Construction Records

Provide 2 copies of pile construction records within 24 hours of completing each pile. Include the following in construction records:

1. Names of Micropile Contractor, Superintendent, Drill Rig Operator, Project Manager and Design Engineer;
2. Bridge description, county, Department's contract, TIP and WBS element number;
3. Bent station and number, pile location and identifier and required resistance;
4. Pile diameters, length and tip elevation and top of pile and ground surface elevations;
5. Reinforcement types, grades or yield strength, sizes and elevations;
6. Date and time drilling begins and ends, reinforcement is placed, grout is mixed and arrives on-site and grout placement begins and ends;
7. Grout level, pressure, volume, temperature, flow and density records;
8. Ground and surface water conditions and elevations;
9. Weather conditions including air temperature at time of grout placement; and
10. All other pertinent details related to pile construction.

After completing piles for each structure or stage of a structure, provide a PDF file of all corresponding construction records.

5.0 LOAD TESTING

When noted in the plans, load test piles in accordance with the accepted submittals, this provision and the plans. The piles to be tested are shown in the plans or as directed. "Verification tests" are performed on demonstration piles and "proof tests" are performed on piles incorporated into the structure, i.e., production piles based on test piles acceptable in accordance with Section 6.0 of this provision.

When using a Load Test Supplier, use a prequalified Load Test Supplier for foundation testing work. Provide load test reports sealed by an engineer approved as a Project Engineer (key person) for the Load Test Supplier.

Do not load test piles until grout attains the required 28 day compressive strength. Do not begin construction of any production piles until verification tests are satisfactorily completed. For proof tests, install only the test piles and those piles needed to anchor the reaction frame, if applicable. Do not install the remaining piles for the bent until the corresponding test piles are satisfactory.

Design test piles so that applied loads do not exceed 80% of the pile's structural resistance including steel yielding or buckling or grout failing. It may be necessary to design test piles

with additional reinforcement to allow for higher applied loads. Use a center reinforcing bar for tension load tests when the reinforcement design for production piles does not include one.

If reinforcement design for production piles does not include a center reinforcing bar, tension load tests are required. Otherwise, test piles in either compression or tension at the Contractor's option.

Do not apply loads with known weights; a reaction frame and a hydraulic jack are required. Use reaction piles or cribbing and a frame with sufficient strength to prevent excessive deformation, misalignment or racking under peak loading. Do not use existing structures as part of the reaction frame.

Load test piles in accordance with the accepted submittals and Article 33.5 of the *AASHTO LRFD Bridge Construction Specifications*. For demonstration piles, cut off piles 2 ft below the ground surface when testing is complete.

Submit a PDF file of each load test report within 7 days of completing load testing. Submit reports sealed by the same engineer that sealed the load testing details, procedures and plan in the accepted micropile construction plan. Provide load test reports that meet ASTM D1143, D3689 or the Load Test Supplier's recommendations. Also, include load versus movement curves for the top of pile and pile tip.

6.0 MICROPILE ACCEPTANCE

The Engineer will review the load test reports, if applicable and construction records to determine if piles are acceptable. Micropile acceptance is based in part on the following criteria.

1. Grout pressures, volumes, flow and densities are within acceptable ranges. Grout is properly placed and does not have any evidence of segregation, intrusions, contamination, structural damage or inadequate consolidation (honeycombing).
2. Pile is within maximum tolerances per Article 33.4.4 of the *AASHTO LRFD Bridge Construction Specifications*.
3. Reinforcement is properly placed and inclination and top of reinforcement is within tolerances for the pile. Tip of casing is no higher than that noted in the plans and casing penetrates rock at least 5 ft when noted in the plans.
4. Pile is satisfactory based on results of load testing, when applicable. Creep and failure acceptance criteria for verification and proof tests is per Articles 33.5.2 and 33.5.3, respectively, of the AASHTO LRFD specifications. Movement acceptance criteria for verification and proof tests is per Articles 33.5.2 and 33.5.3, respectively, of the AASHTO LRFD specifications when the permissible total vertical movement at top of pile is noted in the plans.

If the Engineer determines a pile is unacceptable, remedial measures or replacement piles are required. Do not begin remediation work until remediation plans are approved. No extension of completion date or time will be allowed for remedial work or replacement piles.

7.0 MEASUREMENT AND PAYMENT

9-5/8" Dia. Micropiles will be measured and paid in units of each. Micropiles will be measured as the number of acceptable piles and no payment will be made for any costs associated with unacceptable micropiles. The contract unit price for *9-5/8" Dia. Micropiles* will be full compensation for submittals, design, monitoring and recording, labor, tools, equipment and reinforcement complete and in place and all incidentals necessary to drill through any material and construct piles in accordance with this provision. The contract unit price for *9-5/8" Dia. Micropiles* will be full compensation for grout up to twice the theoretical drill hole volume. Grout in excess of twice the theoretical drill hole volume will be paid as extra work in accordance with Article 104-7 of the *Standard Specifications*.

Demonstration Micropiles will be measured and paid in units of each. *Demonstration Micropiles* will be measured as the number of satisfactory demonstration piles and no payment will be made for any costs associated with unsatisfactory demonstration piles. The contract unit price for *Demonstration Micropiles* will be full compensation for submittals, design, monitoring and recording, labor, tools, equipment and reinforcement complete and in place and all incidentals necessary to drill through any material and construct demonstration piles in accordance with this provision. The contract unit price for *Demonstration Micropiles* will be full compensation for grout up to twice the theoretical drill hole volume. Grout in excess of twice the theoretical drill hole volume will be paid as extra work in accordance with Article 104-7 of the *Standard Specifications*.

Micropile Verification Tests and *Micropile Proof Tests* will be measured and paid in units of each, depending on the type of test. Load tests will be measured as the number of initial tests shown in the plans or required by the Engineer. No payment will be made for subsequent load tests performed on the same or replacement piles. The contract unit prices for *Micropile Verification Tests* and *Micropile Proof Tests* will be full compensation for load testing in accordance with Section 5.0 of this provision.

Payment will be made under:

Pay Item

9-5/8" Dia. Micropiles
Demonstration Micropiles
Micropile Verification Tests
Micropile Proof Tests

Pay Unit

Each
Each
Each
Each



11/05/2024

DocuSigned by:

Michael J. Walko

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Project: HB-0023

UbO-1

County: Haywood

PROJECT SPECIAL PROVISIONS

Utilities by Others



1598 Westbrook Plaza Dr, Suite 202
Winston-Salem, NC 27103
Voice: (336) 705-8844
www.telics.com

General: Structure 169 – Sonoma Rd.

The following utility companies have facilities that will be in conflict with the construction of this project:

A) AT&T – Communications

The conflicting facilities of these concerns will be adjusted prior to the date of availability, unless otherwise noted and are therefore listed in these special provisions for the benefit of the Contractor. All utility work listed herein will be done by the utility owners. All utilities are shown on the plans from the best available information.

The Contractor's attention is directed to Article 105-8 of the 2024 Standard Specifications.

Utilities Requiring Adjustment:

Utility relocations are shown on the Utilities by Others Plans.

A. AT&T – Communications

1. Contact person for AT&T Communications is Janson Casell (828) 275-6513, jc6701@att.com

➤ Anticipated completion date is by, 1/6/2025

Project: HB-0023

Ubo-2

County: Haywood

PROJECT SPECIAL PROVISIONS

Utilities by Others



1598 Westbrook Plaza Dr, Suite 202
Winston-Salem, NC 27103
Voice: (336) 705-8844
www.telics.com

General: Structure 170 – Max Thompson Rd.

The following utility companies have facilities that will be in conflict with the construction of this project:

- A) Duke Energy Distribution – Power
- B) Zito Media – Communications/CATV
- C) AT&T – Communications

The conflicting facilities of these concerns will be adjusted prior to the date of availability, unless otherwise noted and are therefore listed in these special provisions for the benefit of the Contractor. All utility work listed herein will be done by the utility owners. All utilities are shown on the plans from the best available information.

The Contractor's attention is directed to Article 105-8 of the 2024 Standard Specifications.

Utilities Requiring Adjustment:

Utility relocations are shown on the Utilities by Others Plans.

A. Duke Energy Distribution – Power

1. Contact person for Duke Energy Distribution is Tony Veilleux (864) 908-5478, raymond.veilleux@duke-energy.com

➤ Anticipated completion date is by, 12/23/2024

Project: HB-0023

Ubo-3

County: Haywood

PROJECT SPECIAL PROVISIONS

Utilities by Others

B. Zito Media – Communications/CATV

2. Contact person for Zito Media is Dean Russell (205) 907-6829, dean.russell@zitomedia.com

➤ Anticipated completion date is by, 1/27/2025

C. AT&T – Communications

3. Contact person for AT&T Communications is Janson Casell (828) 275-6513, jc6701@att.com

➤ Anticipated completion date is by, 3/3/2025

PROJECT SPECIAL PROVISIONS**EROSION CONTROL****STABILIZATION REQUIREMENTS:**

(4-30-2019)(Rev. 1-21-2025)

Stabilization for this project shall comply with the time frame guidelines as specified by the NCG-010000 general construction permit issued by the North Carolina Department of Environmental Quality Division of Energy, Mineral, and Land Resources. Temporary or permanent ground cover stabilization shall occur within the following time frames from the last land-disturbing activity:

- Stabilize perimeter dikes, swales, ditches, and perimeter slopes within 7 calendar days.
- Stabilize high quality water (HQW) zones within 7 calendar days.
- Stabilize slopes steeper than 3:1 within 7 calendar days.
 - If slopes are 10 feet or less in length and are not steeper than 2:1, 14 calendar days are allowed.
- Stabilize slopes 3:1 to 4:1 within 14 calendar days.
 - 7 calendar days for slopes greater than 50 feet in length and with slopes steeper than 4:1.
 - 7 calendar days for perimeter dikes, swales, ditches, perimeter slopes, and HQW Zones.
- Stabilize areas with slopes flatter than 4:1 within 14 calendar days.
 - 7 calendar days for perimeter dikes, swales, ditches, perimeter slopes, and HQW Zones.

The stabilization timeframe for High Quality Water (HQW) Zones shall be 7 calendar days with no exceptions for slope grades or lengths. High Quality Water Zones (HQW) Zones are defined by North Carolina Administrative Code 15A NCAC 04A.0105 (25). Temporary and permanent ground cover stabilization shall be achieved in accordance with the provisions in this contract and as directed.

SEEDING AND MULCHING:**(WestEd)**

The kinds of seed and fertilizer, and the rates of application of seed, fertilizer, and limestone, shall be as stated below. During periods of overlapping dates, the kind of seed to be used shall be determined. All rates are in pounds per acre.

Shoulder and Median Areas

August 1 - June 1

20#	Kentucky Bluegrass
75#	Hard Fescue
25#	Rye Grain
500#	Fertilizer
4000#	Limestone

May 1 - September 1

20#	Kentucky Bluegrass
75#	Hard Fescue
10#	German or Browntop Millet
500#	Fertilizer
4000#	Limestone

Areas Beyond the Mowing Pattern, Waste and Borrow Areas:

August 1 - June 1

100#	Tall Fescue
15#	Kentucky Bluegrass
30#	Hard Fescue
25#	Rye Grain
500#	Fertilizer
4000#	Limestone

May 1 - September 1

100#	Tall Fescue
15#	Kentucky Bluegrass
30#	Hard Fescue
10#	German or Browntop Millet
500#	Fertilizer
4000#	Limestone

Approved Tall Fescue Cultivars:

06 Dust	Escalade	Kalahari	Serengeti
2 nd Millennium	Essential	Kitty Hawk 2000	Shelby
3 rd Millennium	Evergreen 2	Legitimate	Shenandoah III
Avenger	Faith	Lexington	Shenandoah Elite
Bar Fa	Falcon IV	LifeGuard	Sheridan
Barlexas	Falson NG	LSD	Sidewinder
Barlexas II	Falcon V	Magellan	Signia
Barrera	Fat Cat	Masterpiece	Silver Hawk
Barrington	Fesnova	Millennium SRP	Skyline
Barrobusto	Fidelity	Monet	Solara
Barvado	Finelawn Elite	Mustang 4	Southern Choice II
Biltmore	Finelawn Xpress	Naturally Green	Speedway
Bingo	Finesse II	Ninja 2	Spyder LS
Bizem	Firebird	Ol' Glory	Sunset Gold
Black Tail	Firecracker LS	Padre	Taccoa
Blackwatch	Firenza	Patagonia	Tahoe II
Blade Runner II	Five Point	Pedigree	Talladega
Bonsai	Focus	Picasso	Tanzania
Braveheart	Forte	Piedmont	Temple
Bravo	Garrison	Plantation	Terrano
Bullseye	Gazelle II	Proseeds 5301	Thor
Cannavaro	GLX Aced	Prospect	Thunderstruck
Catalyst	Gold Medallion	Quest	Titanium LS
Cayenne	Grande 3	RainDance	Titan LTD
Cezanne RZ	Greenbrooks	Raptor II	Tracer
Chipper	Greenkeeper	Rebel IV	Traverse SRP
Cochise IV	Gremlin	Rebel Exeda	Trio
Constitution	Greystone	Rebel Sentry	Tulsa Time
Corgi	Guardian 21	Regenerate	Turbo
Corona	Guardian 41	Regiment II	Turbo RZ
Coyote	Hemi	Rembrandt	Tuxedo
Cumberland	Honky Tonk	Rendition	Ultimate
Darlington	Hot Rod	Reunion	Umbrella

DaVinci	Hunter	Rhambler 2 SRP	Van Gogh
Desire	Inferno	Riverside	Venture
Diablo	Integrity	RNP	Watchdog
Dominion	Jaguar 3	Rocket	Wolfpack II
Dynamic	Jamboree	Saltillo	Xtremegreen
Dynasty	Justice	Scorpion	

Approved Kentucky Bluegrass Cultivars:

4-Season	Blue Coat	Granite	Prosperity
Alexa II	Blue Note	Hampton	Quantum Leap
America	Blue Velvet	Harmonie	Rambo
Apollo	Boomerang	Impact	Rhapsody
Aramintha	Cabernet	Jackrabbit	Rhythm
Arcadia	Champagne	Jefferson	Royce
Aries	Champlain	Juliet	Rubicon
Armada	Chicago II	Keeneland	Rugby II
Arrow	Corsair	Langara	Rush
Arrowhead	Courtyard	Legend	Shariz
Aura	Dauntless	Liberator	Showcase
Avid	Delight	Lunar	Skye
Award	Diva	Madison	Solar Eclipse
Awesome	Dynamo	Mazama	Sonoma
Bandera	Eagleton	Mercury	Sorbonne
Barduke	Emblem	Merlot	Starburst
Barnique	Empire	Midnight	Sudden Impact
Baron	Envicta	Midnight II	Thermal Blue
Baroness	Everest	Moon Shadow	Total Eclipse
Barrister	Everglade	Mystere	Touche
Barvette HGT	Excursion	Nu Destiny	Tsunami
Bedazzled	Freedom II	NuChicago	Valor
Belissimo	Fredon III	NuGlade	Washington
Bewitched	Front Page	Oasis	Zedor
Beyond	Futurity	Odyssey	Zinfandel
Blackjack	Gaelic	Perfection	
Bluebank	Ginney II	Pinot	
Blueberry	Gladstone	Princeton 105	

Approved Hard Fescue Cultivars:

Aurora Gold	Firefly	Nordic	Rhino
Azay Blue	Gladiator	Oxford	Scaldis II
Beacon	Granite	Predator	Spartan II
Berkshire	Heron	Quatro	Stonehenge
Beudin	Jetty	Reliant II	Sword
Blueray	Minimus	Reliant IV	Warwick
Chariot	Miser	Rescue 911	

Eureka II

Nancock

Resolute

On cut and fill slopes 2:1 or steeper add 20# Sericea Lespedeza and 15# Crown Vetch January 1 - December 31.

The Crown Vetch Seed should be double inoculated if applied with a hand seeder. Four times the normal rate of inoculant should be used if applied with a hydroseeder. If a fertilizer-seed slurry is used, the required limestone should also be included to prevent fertilizer acidity from killing the inoculant bacteria. Caution should be used to keep the inoculant below 80° F to prevent harm to the bacteria. The rates and grades of fertilizer and limestone shall be the same as specified for *Seeding and Mulching*.

Fertilizer shall be 10-20-20 analysis. A different analysis of fertilizer may be used provided the 1-2-2 ratio is maintained and the rate of application adjusted to provide the same amount of plant food as a 10-20-20 analysis and as directed.

Native Grass Seeding and Mulching

(West)

Native Grass Seeding and Mulching shall be performed on the disturbed areas of wetlands and riparian areas, and adjacent to Stream Relocation and/or trout stream construction within a 50-foot zone on both sides of the stream or depression, measured from top of stream bank or center of depression. The stream bank of the stream relocation shall be seeded by a method that does not alter the typical cross section of the stream bank. Native Grass Seeding and Mulching shall also be performed in the permanent soil reinforcement mat section of preformed scour holes, and in other areas as directed.

The kinds of seed and fertilizer, and the rates of application of seed, fertilizer, and limestone, shall be as stated below. During periods of overlapping dates, the kind of seed to be used shall be determined. All rates are in pounds per acre.

August 1 - June 1

18#	Creeping Red Fescue
8#	Big Bluestem
6#	Indiangrass
4#	Switchgrass
35#	Rye Grain
500#	Fertilizer
4000#	Limestone

May 1 – September 1

18#	Creeping Red Fescue
8#	Big Bluestem
6#	Indiangrass
4#	Switchgrass
25#	German or Browntop Millet
500#	Fertilizer
4000#	Limestone

Approved Creeping Red Fescue Cultivars:

Aberdeen

Boreal

Epic

Cindy Lou

Fertilizer shall be 10-20-20 analysis. A different analysis of fertilizer may be used provided the 1-2-2 ratio is maintained and the rate of application adjusted to provide the same amount of plant food as a 10-20-20 analysis and as directed.

Native Grass Seeding and Mulching shall be performed in accordance with Section 1660 of the *Standard Specifications* and vegetative cover sufficient to restrain erosion shall be installed immediately following grade establishment.

Measurement and Payment

Native Grass *Seeding and Mulching* will be measured and paid for in accordance with Article 1660-8 of the *Standard Specifications*.

TEMPORARY SEEDING:

Fertilizer shall be the same analysis as specified for *Seeding and Mulching* and applied at the rate of 400 pounds and seeded at the rate of 50 pounds per acre. German Millet, or Browntop Millet shall be used in summer months and rye grain during the remainder of the year. The Engineer will determine the exact dates for using each kind of seed.

FERTILIZER TOPDRESSING:

Fertilizer used for topdressing shall be 16-8-8 grade and shall be applied at the rate of 500 pounds per acre. A different analysis of fertilizer may be used provided the 2-1-1 ratio is maintained and the rate of application adjusted to provide the same amount of plant food as 16-8-8 analysis and as directed.

SUPPLEMENTAL SEEDING:

The kinds of seed and proportions shall be the same as specified for *Seeding and Mulching*, and the rate of application may vary from 25# to 75# per acre. The actual rate per acre will be determined prior to the time of topdressing and the Contractor will be notified in writing of the rate per acre, total quantity needed, and areas on which to apply the supplemental seed. Minimum tillage equipment, consisting of a sod seeder shall be used for incorporating seed into the soil as to prevent disturbance of existing vegetation. A clodbuster (ball and chain) may be used where degree of slope prevents the use of a sod seeder.

MOWING:

The minimum mowing height on this project shall be six inches.

LAWN TYPE APPEARANCE:

All areas adjacent to lawns must be hand finished as directed to give a lawn type appearance. Remove all trash, debris, and stones $\frac{3}{4}$ " and larger in diameter or other obstructions that could interfere with providing a smooth lawn type appearance. These areas shall be reseeded to match their original vegetative conditions, unless directed otherwise by the Field Operations Engineer.

REFORESTATION:

Description

Reforestation will be planted within interchanges and along the outside borders of the road, and in other areas as directed. *Reforestation* is not shown on the plan sheets. See the *Reforestation Detail Sheet*.

All non-maintained riparian buffers impacted by the placement of temporary fill or clearing activities shall be restored to the preconstruction contours and revegetated with native woody species.

The entire *Reforestation* operation shall comply with the requirements of Section 1670 of the *Standard Specifications*.

Materials

Reforestation shall be bare root seedlings 12"-18" tall.

Construction Methods

Reforestation shall be planted as soon as practical following permanent *Seeding and Mulching*. The seedlings shall be planted in a 16-foot wide swath adjacent to mowing pattern line, or as directed.

Root dip: The roots of reforestation seedlings shall be coated with a slurry of water, and either a fine clay (kaolin) or a superabsorbent that is designated as a bare root dip. The type, mixture ratio, method of application, and the time of application shall be submitted to the Engineer for approval.

With the approval of the Engineer, seedlings may be coated before delivery to the job or at the time of planting, but at no time shall the roots of the seedlings be allowed to dry out. The roots shall be moistened immediately prior to planting.

Seasonal Limitations: *Reforestation* shall be planted from November 15 through March 15.

Measurement and Payment

Reforestation will be measured and paid for in accordance with Article 1670-17 of the *Standard Specifications*.

ENVIRONMENTALLY SENSITIVE AREAS:**Description**

This project is located in an *Environmentally Sensitive Area*. This designation requires special procedures to be used for clearing and grubbing, temporary stream crossings, and grading operations within the Environmentally Sensitive Areas identified on the plans and as designated by the Engineer. This also requires special procedures to be used for seeding and mulching and staged seeding within the project.

The Environmentally Sensitive Area shall be defined as a 50-foot buffer zone on both sides of the stream or depression measured from top of streambank or center of depression.

Construction Methods**Clearing and Grubbing**

In areas identified as Environmentally Sensitive Areas, the Contractor may perform clearing operations, but not grubbing operations until immediately prior to beginning grading operations as described in Article 200-1 of the *Standard Specifications*. Only clearing operations (not grubbing) shall be allowed in this buffer zone until immediately prior to beginning grading operations. Erosion control devices shall be installed immediately following the clearing operation.

Grading

Once grading operations begin in identified Environmentally Sensitive Areas, work shall progress in a continuous manner until complete. All construction within these areas shall progress in a continuous manner such that each phase is complete and areas are permanently stabilized prior to beginning of next phase. Failure on the part of the Contractor to complete any phase of construction in a continuous manner in Environmentally Sensitive Areas will be just cause for the Engineer to direct the suspension of work in accordance with Article 108-7 of the *Standard Specifications*.

Temporary Stream Crossings

Any crossing of streams within the limits of this project shall be accomplished in accordance with the requirements of Subarticle 107-12 of the *Standard Specifications*.

Seeding and Mulching

Seeding and mulching shall be performed in accordance with Section 1660 of the *Standard Specifications* and vegetative cover sufficient to restrain erosion shall be installed immediately following grade establishment.

Seeding and mulching shall be performed on the areas disturbed by construction immediately following final grade establishment. No appreciable time shall lapse into the contract time without stabilization of slopes, ditches and other areas within the Environmentally Sensitive Areas.

Stage Seeding

The work covered by this section shall consist of the establishment of a vegetative cover on cut and fill slopes as grading progresses. Seeding and mulching shall be done in stages on cut and fill slopes that are greater than 20 feet in height measured along the slope, or greater than 2 acres in area. Each stage shall not exceed the limits stated above.

Additional payments will not be made for the requirements of this section, as the cost for this work shall be included in the contract unit prices for the work involved.

MINIMIZE REMOVAL OF VEGETATION:

The Contractor shall minimize removal of vegetation within project limits to the maximum extent practicable. Vegetation along stream banks and adjacent to other jurisdictional resources outside the

construction limits shall only be removed upon approval of Engineer. No additional payment will be made for this minimization work.

CONSTRUCTION MATERIALS MANAGEMENT

(3-19-19) (rev. 04-27-20)

Description

The requirements set forth shall be adhered to in order to meet the applicable materials handling requirements of the NCG010000 permit. Structural controls installed to manage construction materials stored or used on site shall be shown on the E&SC Plan. Requirements for handling materials on construction sites shall be as follows:

Polyacrylamides (PAMS) and Flocculants

Polyacrylamides (PAMS) and flocculants shall be stored in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures designed to protect adjacent surface waters. PAMS or other flocculants used shall be selected from the NC DWR List of Approved PAMS/Flocculants. The concentration of PAMS and other flocculants used shall not exceed those specified in the NC DWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions. The NC DWR List of Approved PAMS/Flocculants is available at:

https://files.nc.gov/ncdeq/Water+Quality/Environmental+Sciences/ATU/PAM8_30_18.pdf

Equipment Fluids

Fuels, lubricants, coolants, and hydraulic fluids, and other petroleum products shall be handled and disposed of in a manner so as not to enter surface or ground waters and in accordance with applicable state and federal regulations. Equipment used on the site must be operated and maintained properly to prevent discharge of fluids. Equipment, vehicle, and other wash waters shall not be discharged into E&SC basins or other E&SC devices. Alternative controls should be provided such that there is no discharge of soaps, solvents, or detergents.

Waste Materials

Construction materials and land clearing waste shall be disposed of in accordance with North Carolina General Statutes, Chapter 130A, Article 9 - Solid Waste Management, and rules governing the disposal of solid waste (15A NCAC 13B). Areas dedicated for managing construction material and land clearing waste shall be at least 50 feet away from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. Paint and other liquid construction material waste shall not be dumped into storm drains. Paint and other liquid construction waste washouts should be located at least 50 feet away from storm drain inlets unless there is no alternative. Other options are to install lined washouts or use portable, removable bags or bins. Hazardous or toxic waste shall be managed in accordance with the federal Resource Conservation and Recovery Act (RCRA) and NC Hazardous Waste Rules at 15A NCAC, Subchapter 13A. Litter and sanitary waste shall be managed in a manner to prevent it from entering jurisdictional waters and shall be disposed of offsite.

Herbicide, Pesticide, and Rodenticides

Herbicide, pesticide, and rodenticides shall be stored and applied in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act, North Carolina Pesticide Law of 1971 and labeling restrictions.

Concrete Materials

Concrete materials onsite, including excess concrete, must be controlled and managed to avoid contact with surface waters, wetlands or buffers. No concrete or cement slurry shall be discharged from the site. (Note that discharges from onsite concrete plants require coverage under a separate NPDES permit – NCG140000.) Concrete wash water shall be managed in accordance with the *Concrete Washout Structure* provision. Concrete slurry shall be managed and disposed of in accordance with *NCDOT DGS and HOS DCAR Distribution of Class A Residuals Statewide* (Permit No. WQ0035749). Any hardened concrete residue will be disposed of, or recycled on site, in accordance with state solid waste regulations.

Earthen Material Stock Piles

Earthen material stock piles shall be located at least 50 feet away from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available.

Measurement and Payment

Conditions set within the *Construction Materials Management* provision are incidental to the project for which no direct compensation will be made.

WASTE AND BORROW SOURCES:

(2-16-11) (Rev. 3-17-22)

Payment for temporary erosion control measures, except those made necessary by the Contractor's own negligence or for his own convenience, will be paid for at the appropriate contract unit price for the devices or measures utilized in borrow sources and waste areas.

No additional payment will be made for erosion control devices or permanent seeding and mulching in any commercial borrow or waste pit. All erosion and sediment control practices that may be required on a commercial borrow or waste site will be done at the Contractor's expense.

All offsite Staging Areas, Borrow and Waste sites shall be in accordance with "Borrow and Waste Site Reclamation Procedures for Contracted Projects" located at:

<https://connect.ncdot.gov/resources/roadside/FieldOperationsDocuments/Contract%20Reclamation%20Procedures.pdf>

All forms and documents referenced in the "Borrow and Waste Site Reclamation Procedures for Contracted Projects" shall be included with the reclamation plans for offsite staging areas, and borrow and waste sites.

SAFETY FENCE AND JURISDICTIONAL FLAGGING:**Description**

Safety Fence shall consist of furnishing materials, installing and maintaining polyethylene or polypropylene fence along the outside riparian buffer, wetland, or water boundary, or other boundaries located within the construction corridor to mark the areas that have been approved to infringe within the buffer, wetland, endangered vegetation, culturally sensitive areas or water. The fence shall be installed prior to any land disturbing activities.

Interior boundaries for jurisdictional areas noted above shall be delineated by stakes and highly

visible flagging.

Jurisdictional boundaries at staging areas, waste sites, or borrow pits, whether considered outside or interior boundaries shall be delineated by stakes and highly visible flagging.

Materials

Safety Fencing

Polyethylene or polypropylene fence shall be a highly visible preconstructed safety fence approved by the Engineer. The fence material shall have an ultraviolet coating.

Either wood posts or steel posts may be used. Wood posts shall be hardwood with a wedge or pencil tip at one end and shall be at least 5 ft. in length with a minimum nominal 2" x 2" cross section. Steel posts shall be at least 5 ft. in length and have a minimum weight of 0.85 lb./ft of length.

Boundary Flagging

Wooden stakes shall be 4 feet in length with a minimum nominal 3/4" x 1-3/4" cross section. The flagging shall be at least 1" in width. The flagging material shall be vinyl and shall be orange in color and highly visible.

Construction Methods

No additional clearing and grubbing is anticipated for the installation of this fence. The fence shall be erected to conform to the general contour of the ground.

Safety Fencing

Posts shall be set at a maximum spacing of 10 ft., maintained in a vertical position and hand set or set with a post driver. If hand set, all backfill material shall be thoroughly tamped. Wood posts may be sharpened to a dull point if power driven. Posts damaged by power driving shall be removed and replaced prior to final acceptance. The tops of all wood posts shall be cut at a 30-degree angle. The wood posts may, at the option of the Contractor, be cut at this angle either before or after the posts are erected.

The fence geotextile shall be attached to the wood posts with one 2" galvanized wire staple across each cable or to the steel posts with wire or other acceptable means.

Place construction stakes to establish the location of the safety fence in accordance with Article 105-9 or Article 801-1 of the *Standard Specifications*. No direct pay will be made for the staking of the safety fence. All stakeouts for safety fence shall be considered incidental to the work being paid for as "Construction Surveying", except that where there is no pay item for construction surveying, all safety fence stakeout will be performed by state forces.

The Contractor shall be required to maintain the safety fence in a satisfactory condition for the duration of the project as determined by the Engineer.

Boundary Flagging

Boundary flagging delineation of interior boundaries shall consist of wooden stakes on 25 feet maximum intervals with highly visible orange flagging attached. Stakes shall be installed a minimum of 6" into the ground. Interior boundaries may be staked on a tangent that runs parallel to buffer but must not encroach on the buffer at any location. Interior boundaries of hand clearing shall be identified with a different colored flagging to distinguish it from mechanized clearing.

Boundary flagging delineation of interior boundaries will be placed in accordance with Article 105-9 or Article 801-1 of the *Standard Specifications*. No direct pay will be made for delineation of the interior boundaries. This delineation will be considered incidental to the work being paid for as *Construction Surveying*, except that where there is no pay item or construction surveying the cost of boundary flagging delineation shall be included in the unit prices bid for the various items in the contract. Installation for delineation of all jurisdictional boundaries at staging areas, waste sites, or borrow pits shall consist of wooden stakes on 25 feet maximum intervals with highly visible orange flagging attached. Stakes shall be installed a minimum of 6" into the ground. Additional flagging may be placed on overhanging vegetation to enhance visibility but does not substitute for installation of stakes.

Installation of boundary flagging for delineation of all jurisdictional boundaries at staging areas, waste sites, or borrow pits shall be performed in accordance with Subarticle 230-4(B)(5) or Subarticle 802-2(F) of the *Standard Specifications*. No direct pay will be made for this delineation, as the cost of same shall be included in the unit prices bid for the various items in the contract.

The Contractor shall be required to maintain alternative stakes and highly visible flagging in a satisfactory condition for the duration of the project as determined by the Engineer.

Measurement and Payment

Safety Fence will be measured and paid as the actual number of linear feet of polyethylene or polypropylene fence installed in place and accepted. Such payment will be full compensation including but not limited to furnishing and installing fence geotextile with necessary posts and post bracing, staples, tie wires, tools, equipment and incidentals necessary to complete this work.

Payment will be made under:

Pay Item

Safety Fence

Pay Unit

Linear Foot

IMPERVIOUS DIKE:

(9-9-11)(Rev. 11-15-22)

Description

This work consists of furnishing, installing, maintaining, pumping and removing an *Impervious Dike* for the purpose of diverting normal stream flow around the construction site. The Contractor shall construct an impervious dike in such a manner approved by the Engineer. The impervious dike shall not permit seepage of water into the construction site or contribute to siltation of the stream. The

impervious dike shall be constructed of an acceptable material in the locations noted on the plans or as directed by the Engineer.

Materials

Acceptable materials shall include but not be limited to sheet piles, sandbags, and/or the placement of an acceptable size stone lined with polypropylene or other impervious geotextile.

Earth material shall not be used to construct an impervious dike when it is in direct contact with the stream unless vegetation can be established before contact with the stream takes place.

Construction Methods

Where impervious dikes are shown on the plans and used to dewater or lower the water elevation, construct in accordance with Article 410-4 and 410-5.

Measurement and Payment

Impervious Dike will be measured and paid as the actual number of linear feet of impervious dike(s) constructed, measured in place from end to end of each separate installation that has been completed and accepted by the Engineer. Such price and payment will be full compensation for all work including but not limited to furnishing materials, construction, maintenance, pumping and removal of the impervious dike.

Payment will be made under:

Pay Item

Impervious Dike

Pay Unit

Linear Foot

CONCRETE WASHOUT:

(10-22-15)(Rev. 4-15-25)

Description

Concrete washouts are impermeable enclosures, above or below grade, to contain concrete wastewater and associated concrete mix from cleaning of ready-mix trucks, drums, pumps, tools or other equipment. Concrete washouts must collect and retain all the concrete washout water and solids, so that this material does not migrate to surface waters or into the ground water. These enclosures are not intended for concrete waste not associated with washout operations.

Acceptable concrete washouts may include constructed earthen structures, above or below ground, or commercially available devices designed specifically to capture concrete wash water.

Materials

Refer to Division 10 of the *Standard Specifications*.

Item

Section

Temporary Silt Fence

1605

Safety Fence shall meet the specifications as provided elsewhere in this contract.

Geomembrane basin liner shall consist of a minimum 10 mil thick polypropylene or polyethylene geomembrane.

Construction Methods

Build an enclosed earthen berm or excavate to form an enclosure in accordance with the details and as directed by the Engineer near the project entrance(s) or at location(s) of concrete operations. Structures shall be constructed a minimum of 50 feet from drainage conveyances or jurisdictional streams or wetlands. Alternate structure designs or plans for management of concrete washout may be submitted for review and approval by the Engineer. Include in the alternate plan the method used to retain, treat and dispose of the concrete washout wastewater generated within the project limits and in accordance with the minimum setback requirements.

Install temporary silt fence around the perimeter of the structure enclosure in accordance with the details and as directed by the Engineer if the structure is not located in an area where existing erosion and sedimentation control devices are capable of containing stormwater runoff.

Post a sign with the words "Concrete Washout" in close proximity of the concrete washout area, so it is clearly visible to site personnel. Install safety fence as directed by the Engineer for visibility to construction traffic.

Install prefabricated concrete washouts, designed specifically to capture concrete wash water, at locations of additional concrete pouring operations. Acceptable systems may include geotextile lined containers, vinyl or plastic containers or roll-off containers, with or without filter bags with a minimum functional holding capacity of 36 cubic feet (1.33 cubic yards). Submit prefabricated concrete washout system for approval by the Engineer prior to installation. Place prefabricated concrete washout devices to a minimum 50 foot setback from drainage conveyances and jurisdictional streams and wetlands. If the minimum setback cannot be achieved, provide secondary containment to prevent accidental release of wastewater from reaching drainage conveyances or streams.

Prefabricated concrete washouts must be clearly and visibly labeled as such, either by the manufacturer on the product itself, or by a sign with the words "Concrete Washout" in close proximity of the concrete washout area so it is clearly visible to site personnel.

Maintenance and Removal

Maintain the concrete washout structure(s) to provide adequate holding capacity plus a minimum freeboard of 12 inches. Remove and dispose of hardened concrete and return the structure to a functional condition after reaching 75% capacity. Inspect concrete washout structures for damage to liner or structure to maintain functionality.

Maintain prefabricated concrete washout systems per manufacturer's recommendations. Inspect concrete washout structures for damage to linings or structure and repair or replace as necessary.

Remove the concrete washout structures and sign upon project completion. Grade the area to match the existing topography and permanently seed and mulch area. Dispose of prefabricated concrete washout structures according to state or local waste regulations.

Measurement and Payment

Concrete Washout Structure will be measured and paid per each enclosure installed in accordance with the details in the plans. If alternate plans or details are approved, those structures will also be paid for per each approved and installed structure. Such price and payment will be full compensation for all work including, but not limited to, furnishing all materials, labor, equipment, signage, slurry solidification and incidentals necessary to construct, maintain and remove *Concrete Washout Structure* and dispose of residual concrete washout wastewater and concrete solids.

Prefabricated Concrete Washout will be measured and paid per each system installed in accordance with the manufacturer's recommendations. Such price and payment will be full compensation for all work including, but not limited to, furnishing all materials, labor, equipment, signage, slurry solidification and incidentals necessary to install, maintain and remove *Prefabricated Concrete Washout*, and dispose of residual concrete washout wastewater and concrete solids.

Temporary Silt Fence will be measured and paid for in accordance with Article 1605-5 of the *Standard Specifications*.

Safety Fence shall be measured and paid for as provided elsewhere in this contract.

No measurement will be made for over excavation or stockpiling or other items necessary to complete this work.

Payment will be made under:

Pay Item	Pay Unit
Concrete Washout Structure	Each
Prefabricated Concrete Washout	Each

**Project Special Provisions
Structures**

Construction, Maintenance & Removal of Temporary

Access at Station 13 + 61.50 -L- (2-21-23) ST-2

Construction, Maintenance & Removal of Temporary

Access at Station 23 + 41.00 -L- (2-21-23) ST-3

Falsework and Formwork (11-30-23) ST-4

Submittal of Working Drawings (1-31-25) ST-10

Crane Safety (6-20-19) ST-16

Grout for Structures (12-1-17) ST-17

Asbestos Assessment (11-30-23) ST-18



4/28/2025

PROJECT SPECIAL
PROVISIONS – STRUCTURES

CONSTRUCTION, MAINTENANCE AND REMOVAL
OF TEMPORARY ACCESS AT STATION 13 + 61.50 -L-

(02-21-23)

GENERAL

Construct, maintain, and remove the temporary access required to provide the working area necessary for construction of the new bridge, construction of the temporary detour structure, or for the removal of an existing bridge, as applicable. Temporary access may involve the use of a rock causeway [workpad], a work bridge, or other methods; however, all types of temporary access are required to meet the requirements of all permits, the plans, the Standard Specifications, and this Special Provision.

TEMPORARY ROCK CAUSEWAY [WORKPAD]

At the contractor's option, construction of a temporary rock causeway [workpad] within the limits shown on the plans is acceptable, provided the causeway [workpad] impacts are in compliance with all permits. Build the causeway [workpad] with Class II riprap topped by a layer of Class B riprap or as otherwise designated on the plans or approved by the Engineer. If desired, recycle the Class II riprap used in the causeway [workpad] for placement in the final riprap slope protection as directed by the Engineer. No payment will be made for recycled riprap as this material is considered incidental to the causeway [workpad] placement and removal. If this option is exercised, no adjustment in contract bid price will be allowed due to an underrun in the quantity of "Rip Rap Class II (2'-0" Thick)".

Completely remove all causeway [workpad] material including pipes and return the entire causeway [workpad] footprint to the original contours and elevations within 90 days of the completion of the deck slab or as otherwise required by permits.

For sites affected by moratoriums or restrictions on in-stream work: Do not construct or remove causeway [workpad] during the moratorium period shown on the permit. If the completion of the deck slab falls within the prohibitive dates for causeway [workpad] construction or removal, begin causeway [workpad] removal immediately following the prohibitive dates.

TEMPORARY WORK BRIDGE

At the contractor's option, construction of a temporary work bridge in lieu of the causeway(s) [workpad] is acceptable, provided the temporary work bridge satisfies all permits. Submit details of the temporary work bridge to the Engineer prior to constructing the work bridge to ensure conformance with the plans and all permits. Completely remove the temporary bridge prior to final acceptance or as otherwise required by the permits.

BASIS OF PAYMENT

The lump sum price bid for “Construction, Maintenance and Removal of Temporary Access at Station 13 + 61.50 -L-” will be full compensation for the above work, or other methods of access, including all material, pipes, work bridge components, equipment, tools, labor, disposal, and incidentals necessary to complete the work.

**CONSTRUCTION, MAINTENANCE AND REMOVAL
OF TEMPORARY ACCESS AT STATION 23 + 41.00 -L-****(02-21-23)****GENERAL**

Construct, maintain, and remove the temporary access required to provide the working area necessary for construction of the new bridge, construction of the temporary detour structure, or for the removal of an existing bridge, as applicable. Temporary access may involve the use of a rock causeway [workpad], a work bridge, or other methods; however, all types of temporary access are required to meet the requirements of all permits, the plans, the Standard Specifications, and this Special Provision.

TEMPORARY ROCK CAUSEWAY [WORKPAD]

At the contractor’s option, construction of a temporary rock causeway [workpad] within the limits shown on the plans is acceptable, provided the causeway [workpad] impacts are in compliance with all permits. Build the causeway [workpad] with Class II riprap topped by a layer of Class B riprap or as otherwise designated on the plans or approved by the Engineer. If desired, recycle the Class II riprap used in the causeway [workpad] for placement in the final riprap slope protection as directed by the Engineer. No payment will be made for recycled riprap as this material is considered incidental to the causeway [workpad] placement and removal. If this option is exercised, no adjustment in contract bid price will be allowed due to an underrun in the quantity of “Rip Rap Class II (2'-0" Thick)”.

Completely remove all causeway [workpad] material including pipes and return the entire causeway [workpad] footprint to the original contours and elevations within 90 days of the completion of the deck slab or as otherwise required by permits.

For sites affected by moratoriums or restrictions on in-stream work: Do not construct or remove causeway [workpad] during the moratorium period shown on the permit. If the completion of the deck slab falls within the prohibitive dates for causeway [workpad] construction or removal, begin causeway [workpad] removal immediately following the prohibitive dates.

TEMPORARY WORK BRIDGE

At the contractor’s option, construction of a temporary work bridge in lieu of the causeway(s) [workpad] is acceptable, provided the temporary work bridge satisfies all permits. Submit details of the temporary work bridge to the Engineer prior to constructing the work bridge to

ensure conformance with the plans and all permits. Completely remove the temporary bridge prior to final acceptance or as otherwise required by the permits.

BASIS OF PAYMENT

The lump sum price bid for “Construction, Maintenance and Removal of Temporary Access at Station 23 + 41.00 -L-” will be full compensation for the above work, or other methods of access, including all material, pipes, work bridge components, equipment, tools, labor, disposal, and incidentals necessary to complete the work.

FALSEWORK AND FORMWORK**(11-30-23)****GENERAL**

Use this Special Provision as a guide to develop temporary works submittals required by the *Standard Specifications* or other provisions; no additional submittals are required herein. Such temporary works include, but are not limited to, falsework and formwork.

Falsework is any temporary construction used to support the permanent structure until it becomes self-supporting. Formwork is the temporary structure or mold used to retain plastic or fluid concrete in its designated shape until it hardens. Access scaffolding is a temporary structure that functions as a work platform that supports construction personnel, materials, and tools, but is not intended to support the structure. Scaffolding systems that are used to temporarily support permanent structures (as opposed to functioning as work platforms) are considered to be falsework under the definitions given. Shoring is a component of falsework such as horizontal, vertical, or inclined support members. Where the term “temporary works” is used, it includes all of the temporary facilities used in bridge construction that do not become part of the permanent structure.

Design and construct safe and adequate temporary works that will support all loads imposed and provide the necessary rigidity to achieve the lines and grades shown on the plans in the final structure.

MATERIALS

Select materials suitable for temporary works; however, select materials that also ensure the safety and quality required by the design assumptions. The Engineer has authority to reject material on the basis of its condition, inappropriate use, safety, or nonconformance with the plans. Clearly identify allowable loads or stresses for all materials or manufactured devices on the plans. Revise the plan and notify the Engineer if any change to materials or material strengths is required.

DESIGN REQUIREMENTS**(A) Working Drawings**

Provide working drawings for items as specified in the contract, or as required by the Engineer, with design calculations and supporting data in sufficient detail to permit a structural and safety review of the proposed design of the temporary work.

On the drawings, show all information necessary to allow the design of any component to be checked independently as determined by the Engineer.

When concrete placement is involved, include data such as the drawings of proposed sequence, rate of placement, direction of placement, and location of all construction joints.

When required, have the drawings and calculations prepared under the guidance of, and sealed by, a North Carolina Registered Professional Engineer who is knowledgeable in temporary works design.

If requested by the Engineer, submit with the working drawings manufacturer's catalog data listing the weight of all construction equipment that will be supported on the temporary work. Show anticipated total settlements and/or deflections of falsework and forms on the working drawings. Include falsework footing settlements, joint take-up, and deflection of beams or girders.

As an option for the Contractor, overhang falsework hangers may be uniformly spaced, at a maximum of 36 inches, provided the following conditions are met:

Member Type (PCG)	Member Depth, (inches)	Max. Overhang Width, (inches)	Max. Slab Edge Thickness, (inches)	Max. Screed Wheel Weight, (lbs.)	Bracket Min. Vertical Leg Extension, (inches)
II	36	39	14	2000	26
III	45	42	14	2000	35
IV	54	45	14	2000	44
MBT	63	51	12	2000	50
MBT	72	55	12	1700	48

Overhang width is measured from the centerline of the girder to the edge of the deck slab. For Type II, III & IV prestressed concrete girders (PCG), 45-degree cast-in-place half hangers and rods must have a minimum safe working load of 6,000 lbs.

For MBT prestressed concrete girders, 45-degree angle holes for falsework hanger rods shall be cast through the girder top flange and located, measuring along the top of the member, 1'-2 ½" from the edge of the top flange. Hanger hardware and rods must have a minimum safe working load of 6,000 lbs.

For link slabs, the top of girders directly beneath the link slab shall be free of overhang falsework attachments or other hardware. Submit calculations and working drawings for overhang falsework in the link slab region.

The overhang bracket provided for the diagonal leg shall have a minimum safe working load of 3,750 lbs. The vertical leg of the bracket shall extend to the point that the heel bears on the girder bottom flange, no closer than 4 inches from the bottom of the member. However, for 72-inch members, the heel of the bracket shall bear on the web, near the bottom flange transition.

Provide adequate overhang falsework and determine the appropriate adjustments for deck geometry, equipment, casting procedures and casting conditions.

If the optional overhang falsework spacing is used, indicate this on the falsework submittal and advise the girder producer of the proposed details. Failure to notify the Engineer of hanger type and hanger spacing on prestressed concrete girder casting drawings may delay the approval of those drawings.

Falsework hangers that support concentrated loads and are installed at the edge of thin top flange concrete girders (such as bulb tee girders) shall be spaced so as not to exceed 75% of the manufacturer's stated safe working load. Use of dual leg hangers (such as Meadow Burke HF-42 and HF-43) are not allowed on concrete girders with thin top flanges. Design the falsework and forms supporting deck slabs and overhangs on girder bridges so that there will be no differential settlement between the girders and the deck forms during placement of deck concrete.

When staged construction of the bridge deck is required, detail falsework and forms for screed and fluid concrete loads to be independent of any previous deck pour components when the mid-span girder deflection due to deck weight is greater than $\frac{3}{4}$ ".

Note on the working drawings any anchorages, connectors, inserts, steel sleeves or other such devices used as part of the falsework or formwork that remains in the permanent structure. If the plan notes indicate that the structure contains the necessary corrosion protection required for a Corrosive Site, epoxy coat, galvanize or metalize these devices. Electroplating will not be allowed. Any coating required by the Engineer will be considered incidental to the various pay items requiring temporary works.

Design falsework and formwork requiring submittals in accordance with the current edition of *AASHTO Guide Design Specifications for Bridge Temporary Works* except as noted herein.

(1) Wind Loads

Table 2.2 of Article 2.2.5.1 is modified to include wind velocities up to 110 mph. In addition, Table 2.2A is included to provide the maximum wind speeds by county in North Carolina.

Table 2.2 - Wind Pressure Values

Height Zone feet above ground	Pressure, lb/ft ² for Indicated Wind Velocity, mph				
	70	80	90	100	110
0 to 30	15	20	25	30	35
30 to 50	20	25	30	35	40
50 to 100	25	30	35	40	45
over 100	30	35	40	45	50

(2) Time of Removal

The following requirements replace those of Article 3.4.8.2.

Do not remove forms until the concrete has attained strengths required in Article 420-16 of the *Standard Specifications* and these Special Provisions.

Do not remove forms until the concrete has sufficient strength to prevent surface damage.

Table 2.2A - Steady State Maximum Wind Speeds by Counties in North Carolina

COUNTY	25 YR (mph)	COUNTY	25 YR (mph)	COUNTY	25 YR (mph)
Alamance	70	Franklin	70	Pamlico	100
Alexander	70	Gaston	70	Pasquotank	100
Alleghany	70	Gates	90	Pender	100
Anson	70	Graham	80	Perquimans	100
Ashe	70	Granville	70	Person	70
Avery	70	Greene	80	Pitt	90
Beaufort	100	Guilford	70	Polk	80
Bertie	90	Halifax	80	Randolph	70
Bladen	90	Harnett	70	Richmond	70
Brunswick	100	Haywood	80	Robeson	80
Buncombe	80	Henderson	80	Rockingham	70
Burke	70	Hertford	90	Rowan	70
Cabarrus	70	Hoke	70	Rutherford	70
Caldwell	70	Hyde	110	Sampson	90
Camden	100	Iredell	70	Scotland	70
Carteret	110	Jackson	80	Stanley	70
Caswell	70	Johnston	80	Stokes	70
Catawba	70	Jones	100	Surry	70
Cherokee	80	Lee	70	Swain	80
Chatham	70	Lenoir	90	Transylvania	80
Chowan	90	Lincoln	70	Tyrell	100
Clay	80	Macon	80	Union	70
Cleveland	70	Madison	80	Vance	70
Columbus	90	Martin	90	Wake	70
Craven	100	McDowell	70	Warren	70
Cumberland	80	Mecklenburg	70	Washington	100
Currituck	100	Mitchell	70	Watauga	70
Dare	110	Montgomery	70	Wayne	80
Davidson	70	Moore	70	Wilkes	70
Davie	70	Nash	80	Wilson	80
Duplin	90	New Hanover	100	Yadkin	70
Durham	70	Northampton	80	Yancey	70
Edgecombe	80	Onslow	100		
Forsyth	70	Orange	70		

(B) Review and Approval

The Engineer is responsible for the review and approval of temporary works' drawings.

Submit the working drawings sufficiently in advance of proposed use to allow for their review, revision (if needed), and approval without delay to the work.

The time period for review of the working drawings does not begin until complete drawings and design calculations, when required, are received by the Engineer.

Do not start construction of any temporary work for which working drawings are required until the drawings have been approved. Such approval does not relieve the Contractor of the responsibility for the accuracy and adequacy of the working drawings.

CONSTRUCTION REQUIREMENTS

All requirements of Section 420 of the *Standard Specifications* apply.

Construct temporary works in conformance with the approved working drawings. Ensure that the quality of materials and workmanship employed is consistent with that assumed in the design of the temporary works. Do not weld falsework members to any portion of the permanent structure unless approved. Show any welding to the permanent structure on the approved construction drawings.

Provide tell-tales attached to the forms and extending to the ground, or other means, for accurate measurement of falsework settlement. Make sure that the anticipated compressive settlement and/or deflection of falsework does not exceed 1 inch. For cast-in-place concrete structures, make sure that the calculated deflection of falsework flexural members does not exceed 1/240 of their span regardless of whether or not the deflection is compensated by camber strips.

(A) Maintenance and Inspection

Inspect and maintain the temporary work in an acceptable condition throughout the period of its use. Certify that the manufactured devices have been maintained in a condition to allow them to safely carry their rated loads. Clearly mark each piece so that its capacity can be readily determined at the job site.

Perform an in-depth inspection of an applicable portion(s) of the temporary works, in the presence of the Engineer, not more than 24 hours prior to the beginning of each concrete placement. Inspect other temporary works at least once a month to ensure that they are functioning properly. Have a North Carolina Registered Professional Engineer inspect the cofferdams, shoring, sheathing, support of excavation structures, and support systems for load tests prior to loading.

(B) Foundations

Determine the safe bearing capacity of the foundation material on which the supports for temporary works rest. If required by the Engineer, conduct load tests to verify proposed bearing capacity values that are marginal or in other high-risk situations.

The use of the foundation support values shown on the contract plans of the permanent structure is permitted if the foundations are on the same level and on the same soil as those of the permanent structure.

Allow for adequate site drainage or soil protection to prevent soil saturation and washout of the soil supporting the temporary works supports.

If piles are used, the estimation of capacities and later confirmation during construction using standard procedures based on the driving characteristics of the pile is permitted. If preferred, use load tests to confirm the estimated capacities; or, if required by the Engineer conduct load tests to verify bearing capacity values that are marginal or in other high risk situations.

The Engineer reviews and approves the proposed pile and soil bearing capacities.

REMOVAL

Unless otherwise permitted, remove and keep all temporary works upon completion of the work. Do not disturb or otherwise damage the finished work.

Remove temporary works in conformance with the contract documents. Remove them in such a manner as to permit the structure to uniformly and gradually take the stresses due to its own weight.

MEASUREMENT AND PAYMENT

Unless otherwise specified, *Falsework and Formwork* will not be directly measured.

Payment at the contract unit prices for the various pay items requiring temporary works will be full compensation for the above falsework and formwork.

SUBMITTAL OF WORKING DRAWINGS**(1-31-25)****GENERAL**

Submit working drawings in accordance with Article 105-2 of the *Standard Specifications* and this Special Provision. For this Special Provision, “submittals” refers to only those listed in this Special Provision. The list of submittals contained herein does not represent a list of required submittals for the project. Submittals are only necessary for those items as required by the contract. Make submittals that are not specifically noted in this provision directly to the Engineer. Either the Structures Management Unit or the Geotechnical Engineering Unit or both units will jointly review submittals.

If a submittal contains variations from plan details or specifications or significantly affects project cost, field construction or operations, discuss the submittal with and submit all copies to the Engineer. State the reason for the proposed variation in the submittal. To minimize review time, make sure all submittals are complete when initially submitted. Provide a contact name and information with each submittal. Direct any questions regarding submittal requirements to the Engineer, Structures Management Unit contacts or the Geotechnical Engineering Unit contacts noted below.

To facilitate in-plant inspection by NCDOT and approval of working drawings, provide the name, address and telephone number of the facility where fabrication will actually be done if different than shown on the title block of the submitted working drawings. This includes, but is not limited to, precast concrete items, prestressed concrete items and fabricated steel or aluminum items.

ADDRESSES AND CONTACTS

For submittals to the Structures Management Unit, use the following addresses:

Via Email: SMU-wdr@ncdot.gov (do not cc SMU Working Drawings staff)

Via US mail:

Mr. D. N. Snoke, P. E.
State Structures Engineer
North Carolina Department
of Transportation
Structures Management Unit
1581 Mail Service Center
Raleigh, NC 27699-1581

Attention: Mr. J. L. Bolden, P. E.

Via other delivery service:

Mr. D. N. Snoke, P. E.
State Structures Engineer
North Carolina Department
of Transportation
Structures Management Unit
1000 Birch Ridge Drive
Raleigh, NC 27610

Attention: Mr. J. L. Bolden, P. E.

For submittals to the Geotechnical Engineering Unit, use the following addresses:

For projects in Divisions 1-7 (Eastern Regional Office):

Via Email: EastGeotechnicalSubmittal@ncdot.gov

Via US mail:

Mr. Thomas Santee, P. E.
Assistant State Geotechnical
Engineer – Eastern Region
North Carolina Department
of Transportation
Geotechnical Engineering Unit
Eastern Regional Office
1570 Mail Service Center
Raleigh, NC 27699-1570

Via other delivery service:

Mr. Thomas Santee, P. E.
Assistant State Geotechnical
Engineer – Eastern Region
North Carolina Department
of Transportation
Geotechnical Engineering Unit
Eastern Regional Office
3301 Jones Sausage Road, Suite 100
Garner, NC 27529

For projects in Divisions 8-14 (Western Regional Office):

Via Email: WestGeotechnicalSubmittal@ncdot.gov

Via US mail or other delivery service:

Mr. Eric Williams, P. E.
Assistant State Geotechnical
Engineer – Western Region
North Carolina Department
of Transportation
Geotechnical Engineering Unit
Western Regional Office
5253 Z Max Boulevard
Harrisburg, NC 28075

The status of the review of structure-related submittals sent to the Structures Management Unit can be viewed from the Unit's website, via the "[Drawing Submittal Status](#)" link.

The status of the review of geotechnical-related submittals sent to the Geotechnical Engineering Unit can be viewed from the Unit's website, via the "[Geotechnical Construction Submittals](#)" link.

Direct any questions concerning submittal review status, review comments or drawing markups to the following contacts:

Primary Structures Contact: James Bolden (919) 707 – 6408
jlbalden@ncdot.gov

Secondary Structures Contacts: Madonna Rorie (919) 707 – 6508
mlrorie@ncdot.gov

Eastern Regional Geotechnical Contact (Divisions 1-7):
Thomas Santee (984) 920-8901
EastGeotechnicalSubmittal@ncdot.gov

Western Regional Geotechnical Contact (Divisions 8-14):
Eric Williams (980)258-6400
WestGeotechnicalSubmittal@ncdot.gov

SUBMITTAL COPIES

Furnish one complete copy of each submittal, including all attachments, to the Engineer. At the same time, submit a copy of the same complete submittal directly to the Structures Management Unit and/or the Geotechnical Engineering Unit as specified in the tables below.

The first table below covers "Structure Submittals." The Engineer will receive review comments and drawing markups for these submittals from the Structures Management Unit. The second table

in this section covers “Geotechnical Submittals.” The Engineer will receive review comments and drawing markups for these submittals from the Geotechnical Engineering Unit.

Unless otherwise required, submit one set of supporting calculations to either the Structures Management Unit or the Geotechnical Engineering Unit unless both units require submittal copies in which case submit a set of supporting calculations to each unit. Provide additional copies of any submittal as directed.

STRUCTURE SUBMITTALS

Submittal	Submittal Required by Structures Management Unit?	Submittal Required by Geotechnical Engineering Unit?	Contract Reference Requiring Submittal ¹
Arch Culvert Falsework	Y	N	Plan Note, SN Sheet & “Falsework and Formwork”
Box Culvert Falsework ⁷	Y	N	Plan Note, SN Sheet & “Falsework and Formwork”
Cofferdams	Y	Y	Article 410-4
Foam Joint Seals ⁶	Y	N	“Foam Joint Seals”
Expansion Joint Seals (hold down plate type with base angle)	Y	N	“Expansion Joint Seals”
Expansion Joint Seals (modular)	Y	N	“Modular Expansion Joint Seals”
Expansion Joint Seals (strip seals)	Y	N	“Strip Seal Expansion Joints”
Falsework & Forms ² (substructure)	Y	N	Article 420-3 & “Falsework and Formwork”
Falsework & Forms (superstructure)	Y	N	Article 420-3 & “Falsework and Formwork”
Girder Erection over Railroad	Y	N	Railroad Provisions
Maintenance and Protection of Traffic Beneath Proposed Structure	Y	N	“Maintenance and Protection of Traffic Beneath Proposed Structure at Station ____”

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ST-14

Haywood County

Metal Bridge Railing	Y	N	Plan Note
Metal Stay-in-Place Forms	Y	N	Article 420-3
Metalwork for Elastomeric Bearings ^{4,5}	Y	N	Article 1072-8
Miscellaneous Metalwork ^{4,5}	Y	N	Article 1072-8
Disc Bearings ⁴	Y	N	“Disc Bearings”
Overhead and Digital Message Signs (DMS) (metalwork and foundations)	Y	N	Applicable Provisions
Placement of Equipment on Structures (cranes, etc.)	Y	N	Article 420-20
Prestressed Concrete Box Beam (detensioning sequences) ³	Y	N	Article 1078-11
Precast Concrete Box Culverts	Y	N	“Optional Precast Reinforced Concrete Box Culvert at Station ____”
Prestressed Concrete Cored Slab (detensioning sequences) ³	Y	N	Article 1078-11
Prestressed Concrete Deck Panels	Y	N	Article 420-3
Prestressed Concrete Girder (strand elongation and detensioning sequences)	Y	N	Articles 1078-8 and 1078-11
Removal of Existing Structure over Railroad	Y	N	Railroad Provisions
Revised Bridge Deck Plans (adaptation to prestressed deck panels)	Y	N	Article 420-3
Revised Bridge Deck Plans (adaptation to modular expansion joint seals)	Y	N	“Modular Expansion Joint Seals”
Sound Barrier Wall (precast items)	Y	N	Article 1077-2 & “Sound Barrier Wall”
Sound Barrier Wall Steel Fabrication Plans ⁵	Y	N	Article 1072-8 & “Sound Barrier Wall”
Structural Steel ⁴	Y	N	Article 1072-8

Temporary Detour Structures	Y	Y	Article 400-3 & “Construction, Maintenance and Removal of Temporary Structure at Station _____”
TFE Expansion Bearings ⁴	Y	N	Article 1072-8

FOOTNOTES

1. References are provided to help locate the part of the contract where the submittals are required. References in quotes refer to the provision by that name. Articles refer to the *Standard Specifications*.
2. Submittals for these items are necessary only when required by a note on plans.
3. Submittals for these items may not be required. A list of pre-approved sequences is available from the producer or the Materials & Tests Unit.
4. The fabricator may submit these items directly to the Structures Management Unit.
5. The two sets of preliminary submittals required by Article 1072-8 of the *Standard Specifications* are not required for these items.
6. Submittals for Fabrication Drawings are not required. Submittals for Catalogue Cuts of Proposed Material are required. See Section 5.A of the referenced provision.
7. Submittals are necessary only when the top slab thickness is 18” or greater.

GEOTECHNICAL SUBMITTALS

Submittal	Submittals Required by Geotechnical Engineering Unit	Submittals Required by Structures Management Unit	Contract Reference Requiring Submittal ¹
Drilled Pier Construction Plans ²	Y	N	Subarticle 411-3(A)
Crosshole Sonic Logging (CSL) Reports ²	Y	N	Subarticle 411-5(A)(2)

Pile Driving Equipment Data Forms ^{2,3}	Y	N	Subarticle 450-3(D)(2)
Pile Driving Analyzer (PDA) Reports ²	Y	N	Subarticle 450-3(F)(3)
Retaining Walls ⁴	Y; drawings and calculations	Y; drawings	Applicable Provisions
Temporary Shoring ⁴	Y; drawings and calculations	Y; drawings	“Temporary Shoring” & “Temporary Soil Nail Walls”

FOOTNOTES

1. References are provided to help locate the part of the contract where the submittals are required. References in quotes refer to the provision by that name. Subarticles refer to the *Standard Specifications*.
2. Submit one hard copy of submittal to the Engineer. Submit a second copy of submittal electronically (PDF via email), US mail or other delivery service to the appropriate Geotechnical Engineering Unit regional office. Electronic submission is preferred.
3. The Pile Driving Equipment Data Form is available from:
<https://connect.ncdot.gov/projects/construction/ConstManRefDocs/PILE%20DRIVING%20EQUIPMENT%20DATA%20FORM.pdf>
 See second page of form for submittal instructions.
4. Electronic copy of submittal is required. See referenced provision.

CRANE SAFETY**(6-20-19)**

Comply with the manufacturer specifications and limitations applicable to the operation of any and all cranes and derricks. Prime contractors, sub-contractors, and fully operated rental companies shall comply with the current Occupational Safety and Health Administration (OSHA) regulations.

Submit all items listed below to the Engineer prior to beginning crane operations. Changes in personnel or equipment must be reported to the Engineer and all applicable items listed below must be updated and submitted prior to continuing with crane operations.

CRANE SAFETY SUBMITTAL LIST

- A. **Competent Person:** Provide the name and qualifications of the “Competent Person” responsible for crane safety and lifting operations. The named competent person will have the responsibility and authority to stop any work activity due to safety concerns.
- B. **Riggers:** Provide the qualifications and experience of the persons responsible for rigging operations. Qualifications and experience should include, but not be limited to, weight calculations, center of gravity determinations, selection and inspection of sling and rigging equipment, and safe rigging practices.
- C. **Crane Inspections:** Inspection records for all cranes shall be current and readily accessible for review upon request.
- D. **Certifications:** Crane operators shall be certified by the National Commission for the Certification of Crane Operators (NCCCO) or the National Center for Construction Education and Research (NCCER). Other approved nationally accredited programs will be considered upon request. In addition, crane operators shall have a current CDL medical card. Submit a list of crane operator(s) and include current certification for each type of crane operated (small hydraulic, large hydraulic, small lattice, large lattice) and medical evaluations for each operator.

MEASUREMENT AND PAYMENT

No direct payment will be made for *Crane Safety*. All costs shall be considered incidental to items for which direct payment is made.

GROUT FOR STRUCTURES**(12-1-17)****GENERAL**

This Special Provision addresses grout for use in pile blockouts, grout pockets, shear keys, dowel holes and recesses for structures. This Special Provision does not apply to grout placed in post-tensioning ducts for bridge beams, girders, decks, end bent caps, or bent caps. Mix and place grout in accordance with the manufacturer’s recommendations, the applicable sections of the *Standard Specifications* and this Special Provision.

MATERIAL REQUIREMENT

Unless otherwise noted on the plans, use a Type 3 Grout in accordance with Section 1003 of the *Standard Specifications*.

Initial setting time shall not be less than 10 minutes when tested in accordance with ASTM C266.

Construction loading and traffic loading shall not be allowed until the 3-day compressive strength is achieved.

SAMPLING AND PLACEMENT

Place and maintain components in final position until grout placement is complete and accepted. Concrete surfaces to receive grout shall be free of defective concrete, laitance, oil, grease, and other foreign matter. Saturate concrete surfaces with clean water and remove excess water prior to placing grout.

MEASUREMENT AND PAYMENT

No separate payment will be made for *Grout for Structures*. The cost of the material, equipment, labor, placement, and any incidentals necessary to complete the work shall be considered incidental to the structure item requiring grout.

ASBESTOS ASSESSMENT**(11-30-23)****INSPECTION FOR ASBESTOS CONTAINING MATERIAL**

Prior to conducting bridge demolition or renovation activities, the Contractor shall thoroughly inspect the bridge or affected components for the presence of asbestos containing material (ACM) using a firm prequalified by NCDOT to perform asbestos surveys. The inspection must be performed by a N.C. accredited asbestos inspector with experience inspecting bridges or other industrial structures. The N.C. accredited asbestos inspector must conduct a thorough inspection, identifying all asbestos-containing material as required by the Environmental Protection Agency National Emission Standards for Hazardous Air Pollutants (NESHAP) Code of Federal Regulations (CFR) 40 CFR, Part 61, Subpart M.

The Contractor shall submit an inspection report to the Engineer, which at a minimum must include information required in 40 CFR 763.85 (a)(4) vi)(A)-(E), as well as a project location map, photos of existing structure, the date of inspection and the name, N.C. accreditation number, and signature of the N.C. accredited asbestos inspector who performed the inspection and completed the report. The cover sheet of the report shall include project identification information. Place the following notes on the cover sheet of the report and check the appropriate box:

- ☐ ACM was found
☐ ACM was not found

REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING MATERIAL

If ACM is found, notify the Engineer. Compensation for removal and disposal of ACM is considered extra work in accordance with Article 104-7 of the *Standard Specifications*.

An Asbestos Removal Permit must be obtained from the Health Hazards Control Unit (HHCU) of the N.C. Department of Health & Human Services, Division of Public Health, if more than 35 cubic feet, 160 square feet, or 260 linear feet of regulated ACM (RACM) is to be removed from a structure and this work must be completed by a contractor prequalified by NCDOT to perform asbestos abatement. RACM is defined in 40 CFR, Part 61, Subpart M. Note: 40 CFR 763.85 (a)(4) vi)(D) defines ACM as surfacing, TSI and Miscellaneous which does not meet the NESHAP RACM.

DEMOLITION NOTIFICATION

Even if no ACM is found (or if quantities are less than those required for a permit), a Demolition Notification (DHHS-3768) must be submitted to the HHCUC. Notifications and Asbestos Permit applications require an original signature and must be submitted to the HHCUC 10 working days prior to beginning demolition activities. The 10 working day period starts based on the post-marked date or date of hand delivery. Demolition that does not begin as originally notified requires submission of a separate revision form HHCUC 3768-R to HHCUC. Reference the North Carolina Administrative Code, Chapter 10A, Subchapter 41C, Article .0605 for directives on revision submissions.

Contact Information

Health Hazards Control Unit (HHCUC)
N.C. Department of Health and Human Services
1912 Mail Service Center
Raleigh, NC 27699-1912
Telephone: (919) 707-5950
Fax: (919) 870-4808

SPECIAL CONSIDERATIONS

Buncombe, Forsyth, and Mecklenburg counties also have asbestos permitting and NESHAP requirements must be followed. For projects involving permitted RACM removals, both the applicable county and the state (HHCUC) must be notified.

For demolitions with no RACM, only the local environmental agencies must be notified. Contact information is as follows:

Buncombe County

WNC Regional Air Pollution Control Agency
49 Mt. Carmel Road
Asheville, NC 28806
(828) 250-6777

Forsyth County

Environmental Affairs Department
537 N. Spruce Street
Winston-Salem, NC 27101
(336) 703-2440

Mecklenburg County

Land Use and Environmental Services Agency
Mecklenburg Air Quality
700 N. Tryon Street
Charlotte, NC 28202

(704) 336-5430

ADDITIONAL INFORMATION

Additional information may be found on N.C. asbestos rules, regulations, procedures, and N.C. accredited inspectors, as well as associated forms for demolition notifications and asbestos permit applications at the N.C. Asbestos Hazard Management Program website:

<https://epi.dph.ncdhhs.gov/asbestos/ahmp.html>

MEASUREMENT AND PAYMENT

Asbestos Assessment Payment will be paid at the lump sum contract unit price and will be full compensation for all asbestos inspections, reports, permitting and notifications.

Payment will be made under:

Pay Item

Asbestos Assessment

Pay Unit

Lump Sum

PROJECT SPECIAL PROVISION

(10-18-95) (Rev. 10-15-24)

Z-1

PERMITS

The Contractor's attention is directed to the following permits, which have been issued to the Department of Transportation by the authority granting the permit.

<u>PERMIT</u>	<u>AUTHORITY GRANTING THE PERMIT</u>
Dredge and Fill and/or Work in Navigable Waters (404)	U. S. Army Corps of Engineers
Water Quality (401)	Division of Water Resources, DEQ State of North Carolina

The Contractor shall comply with all applicable permit conditions during construction of this project.

Agents of the permitting authority will periodically inspect the project for adherence to the permits.

The Contractor's attention is also directed to Articles 107-10 and 107-13 of the *Standard Specifications* and the following:

Should the Contractor propose to utilize construction methods (such as temporary structures or fill in waters and/or wetlands for haul roads, work platforms, cofferdams, etc.) not specifically identified in the permit (individual, general, or nationwide) authorizing the project it shall be the Contractor's responsibility to coordinate with the Engineer to determine what, if any, additional permit action is required. The Contractor shall also be responsible for initiating the request for the authorization of such construction method by the permitting agency. The request shall be submitted through the Engineer. The Contractor shall not utilize the construction method until it is approved by the permitting agency. The request normally takes approximately 60 days to process; however, no extensions of time or additional compensation will be granted for delays resulting from the Contractor's request for approval of construction methods not specifically identified in the permit.

Where construction moratoriums are contained in a permit condition which restricts the Contractor's activities to certain times of the year, those moratoriums will apply only to the portions of the work taking place in the restricted waters, wetlands or buffer zones, provided that activities outside those areas is done in such a manner as to not affect the restricted waters, wetlands or buffer zones.

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

RICHARD E. ROGERS, JR.

Director

NORTH CAROLINA
Environmental Quality

September 9, 2024

DWR # 20241147

Haywood County

Mr. Patrick Breedlove, PDEA Engineer
 NCDOT Division 14
 345 Toot Hollow Road
 Bryson City, NC 28713
 pjbreedlove@ncdot.gov

Subject: APPROVAL OF 401 WATER QUALITY CERTIFICATION WITH ADDITIONAL CONDITIONS

NCDOT Project: #HB-0023: Replace Bridge 169 on SR 1876 and Bridge 170 on SR1105,
 Haywood County

Dear Mr. Breedlove:

You have our approval for the impacts listed below for the purpose described in your application received by the Division of Water Resources (Division) August 27, 2024. These impacts are covered by the attached Water Quality General Certification Number 4135 and the conditions listed below. This certification is associated with the use of Regional General Permit Number 50 once it is issued to you by the U.S. Army Corps of Engineers. Please note that you should get any other federal, state or local permits before proceeding with your project, including those required by (but not limited to) Sediment and Erosion Control, Non-Discharge, and Water Supply Watershed regulations.

The Division has determined that the proposed project will comply with water quality requirements provided that you adhere to the conditions listed in the enclosed certification and to the additional conditions itemized below.

The following proposed impacts are hereby approved. No other impacts are approved, including incidental impacts. [15A NCAC 02H .0506(b)]

Stream Impacts in the French Broad River Basin

Site	Permanent Fill in Intermittent Stream (linear ft)	Temporary Fill in Intermittent Stream (linear ft)	Permanent Fill in Perennial Stream (linear ft)	Temporary Fill in Perennial Stream (linear ft)	Total Stream Impact (linear ft)	Stream Impacts Requiring Mitigation (linear feet)
S1				56	56	0
S2			66		66	0
S3				8	8	0
Total	0	0	66	64	130	0

Total Stream Impact for Project: 130 linear feet.

This approval is for the purpose and design described in your application. The plans and specifications for this project are incorporated by reference as part of this Certification. If you change your project, you must notify the Division and you may be required to submit a new application package with the



appropriate fee. If the property is sold, the new owner must be given a copy of this Certification and is responsible for complying with all conditions. [15A NCAC 02H .0507(d)(2)].

If you are unable to comply with any of the conditions of the attached Water Quality General Certification or with the additional conditions itemized below, you must notify the DWR Transportation Permitting Branch within 24 hours (or the next business day if a weekend or holiday) from the time the permittee becomes aware of the circumstances.

The permittee shall report to the NC Division of Water Resources any noncompliance with, and/or any violation of, stream or wetland standards [15A NCAC 02B .0200] including but not limited to sediment impacts to streams or wetlands. Information shall be provided orally within 24 hours (or the next business day if a weekend or holiday) from the time the permittee became aware of the non-compliance circumstances.

Conditions of Certification:

Project Specific Conditions

1. The NCDOT Division Environmental Officer or Environmental Assistant will conduct a preconstruction meeting with all appropriate staff to ensure that the project supervisor and essential staff understand any potential issues at the permitted site. NCDWR staff shall be invited to the preconstruction meeting. [15A NCAC 02H .0507(b)(2) and (b)(3)]
2. As a condition of this 401 Water Quality Certification, the bridge demolition and construction must be accomplished in strict compliance with the most recent version of *NCDOT's Best Management Practices for Construction and Maintenance Activities*. [15A NCAC 02H .0507(d)(2) and 15A NCAC 02H .0506(b)(5)]
3. The permittee shall use Design Standards in Sensitive Watersheds (15A NCAC 4B .0124(a)-(e)) in areas draining to Tr waters.
4. Bridge deck drains shall not discharge directly into the stream. Stormwater shall be directed across the bridge and pre-treated through site-appropriate means (grassed swales, pre-formed scour holes, vegetated buffers, etc.) before entering the stream. To meet the requirements of NCDOT's NPDES permit NCS000250, please refer to the most recent version of the *North Carolina Department of Transportation Stormwater Best Management Practices Toolbox* manual for approved measures. [15A NCA 02H .0507(d)(2) and 15A NCAC 02H .0506(b)(5)]
5. For projects impacting waters classified by the NC Environmental Management Commission as Trout (Tr), stormwater shall be directed to vegetated buffer areas, grass-lined ditches or other means appropriate to the site for the purpose of pre-treating storm water runoff prior to discharging directly into streams. Mowing of existing vegetated buffers is strongly discouraged. [15A NCAC 02B .0224 and .0225]

General Conditions

1. Unless otherwise approved in this certification, placement of culverts and other structures in open waters and streams shall be placed below the elevation of the streambed by one

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

2. If concrete is used during construction, a dry work area shall be maintained to prevent direct contact between curing concrete and stream water. Water that inadvertently contacts uncured concrete shall not be discharged to surface waters due to the potential for elevated pH and possible aquatic life and fish kills. [15A NCAC 02B .0200]
3. During the construction of the project, no staging of equipment of any kind is permitted in waters of the U. S. or protected riparian buffers. [15A NCAC 02H .0506(b)(2)]
4. The dimension, pattern and profile of the stream above and below the crossing shall not be modified. Disturbed floodplains and streams shall be restored to natural geomorphic conditions. [15A NCAC 02H .0506(b)(2)]
5. The use of rip-rap above the Normal High Water Mark shall be minimized. Any rip-rap placed for stream stabilization shall be placed in stream channels in such a manner that it does not impede aquatic life passage. [15A NCAC 02H .0506(b)(2)]
6. The Permittee shall ensure that the final design drawings adhere to the permit and to the permit drawings submitted for approval. [15A NCAC 02H .0507(c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)]
7. All work in or adjacent to stream waters shall be conducted in a dry work area. Approved BMP measures from the most current version of NCDOT Construction and Maintenance Activities manual such as sandbags, rock berms, cofferdams and other diversion structures shall be used to prevent excavation in flowing water. [15A NCAC 02H .0506(b)(3) and (c)(3)]
8. Heavy equipment shall be operated from the banks rather than in the stream channel in order to minimize sedimentation and reduce the introduction of other pollutants into the stream. [15A NCAC 02H .0506(b)(3)]
9. All mechanized equipment operated near surface waters must be regularly inspected and maintained to prevent contamination of stream waters from fuels, lubricants, hydraulic fluids, or other toxic materials. [15A NCAC 02H .0506(b)(3)]
10. No rock, sand or other materials shall be dredged from the stream channel except where authorized by this certification. [15A NCAC 02H .0506(b)(3)]
11. Discharging hydroseed mixtures and washing out hydroseeders and other equipment in or adjacent to surface waters is prohibited. [15A NCAC 02H .0506(b)(3)]

12. The permittee and its authorized agents shall conduct its activities in a manner consistent with State water quality standards (including any requirements resulting from compliance with § 303(d) of the Clean Water Act) and any other appropriate requirements of State and Federal law. If the NCDWR determines that such standards or laws are not being met (including the failure to sustain a designated or achieved use) or that State or federal law is being violated, or that further conditions are necessary to assure compliance, the NCDWR may reevaluate and modify this certification. [15A NCAC 02B .0200]
13. All fill slopes located in jurisdictional wetlands shall be placed at slopes no flatter than 3:1, unless otherwise authorized by this certification. [15A NCAC 02H .0506(b)(2)]
14. A copy of this Water Quality Certification shall be maintained on the construction site at all times. In addition, the Water Quality Certification and all subsequent modifications, if any, shall be maintained with the Division Engineer and the on -site project manager. [15A NCAC 02H .0507(c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)]
15. The Permittee shall report any violations of this certification to the Division of Water Resources within 24 hours of discovery. [15A NCAC 02B. 0506(b)(2)]
16. The post-construction removal of any temporary bridge structures must return the project site to its preconstruction contours and elevations. The impacted areas shall be revegetated with appropriate native species. [15A NCAC 02H .0506(b)(2)]
17. Bridge piles and bents shall be constructed using driven piles (hammer or vibratory) or drilled shaft construction methods. More specifically, jetting or other methods of pile driving are prohibited without prior written approval from the NCDWR first. [15A NCAC 02H .0506(b)(2)]
18. No drill slurry or water that has been in contact with uncured concrete shall be allowed to enter surface waters. This water shall be captured, treated, and disposed of properly. [15A NCAC 02H .0506(b)(3)]
19. A turbidity curtain will be installed in the stream if driving or drilling activities occur within the stream channel, on the stream bank, or within 5 feet of the top of bank, or during the removal of bents from an old bridge. This condition can be waived with prior approval from the NCDWR. [15A NCAC 02H .0506(b)(3)]
20. NCDOT shall be in compliance with the NCS00250 issued to the NCDOT, including the applicable requirements of the NCG01000. Please note the extra protections for the sensitive watersheds.
21. For all streams being impacted due to site dewatering activities, the site shall be graded to its preconstruction contours and revegetated with appropriate native species. [15A NCAC 02H .0506(b)(2)]
22. The issuance of this certification does not exempt the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by other government agencies (i.e. local, state, and federal) having jurisdiction, including but not limited to

applicable buffer rules, stormwater management rules, soil erosion and sedimentation control requirements, etc.

23. Upon completion of the project (including any impacts at associated borrow or waste sites), the NCDOT Division Engineer shall complete and return the " Certification of Completion Form" to notify the NCDWR when all work included in the 401 Certification has been completed. [15A NCAC 02H .0502(f)]
24. Native riparian vegetation must be reestablished in the riparian areas within the construction limits of the project by the end of the growing season following completion of construction. [15A NCAC 02B .0506(b)(2)]
25. There shall be no excavation from, or waste disposal into, jurisdictional wetlands or waters associated with this permit without appropriate modification. Should waste or borrow sites, or access roads to waste or borrow sites, be located in wetlands or streams, compensatory mitigation will be required since that is a direct impact from road construction activities. [15A NCAC 02H .0506(b)(3) and (c)(3)]
26. DWR approves the stormwater drainage design as shown in the 401 application, under the assumption that it meets the requirements of the NCDOT NPDES permit #NCS000250. These plans are enforceable by DWR. Changes to the approved plans are prohibited without prior approval from DWR.

If sediment or other pollutants are found to be discharged from the stormwater outfalls, DWR may take enforcement action. NCDOT and DWR shall assess the damage to water quality standards and implement an appropriate action plan to address the impacts. The action plan shall provide an appropriate timeline for implementation as agreed upon by both DWR and NCDOT. This may require NCDOT to obtain a modification to its current 401 and 404 permits.

27. Erosion and sediment control practices must be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices in order to protect surface waters standards [15A NCAC 02H .0506(b)(3) and (c)(3)]:
 - a. The erosion and sediment control measures for the project must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Sediment and Erosion Control Planning and Design Manual*.
 - b. The design, installation, operation, and maintenance of the sediment and erosion control measures must be such that they equal, or exceed, the requirements specified in the most recent version of the *North Carolina Sediment and Erosion Control Manual*. The devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) projects, including contractor -owned or leased borrow pits associated with the project.
 - c. For borrow pit sites, the erosion and sediment control measures must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Surface Mining Manual*.
 - d. The reclamation measures and implementation must comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act.

28. Sediment and erosion control measures shall not be placed in wetlands or surface waters, or within 5 feet of the top of bank, without prior approval from DWR. [15A NCAC 02H .0506(b)(3) and (c)(3)]
29. When applicable, all construction activities shall be performed and maintained in full compliance with G. S. Chapter 113A Article 4 (Sediment and Pollution Control Act of 1973). Regardless of applicability of the Sediment and Pollution Control Act, all projects shall incorporate appropriate Best Management Practices for the control of sediment and erosion so that no violations of state water quality standards, statutes, or rules occur. [15A NCAC 02H .0506 (b)(3) and (c)(3) and 15A NCAC 02B .0200]
30. Design, installation, operation, and maintenance of all sediment and erosion control measures shall be equal to or exceed the requirements specified in the most recent version of the *North Carolina Sediment and Erosion Control Manual*, or for linear transportation projects, the *NCDOT Sediment and Erosion Control Manual*.
All devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) sites, including contractor -owned or leased borrow pits associated with the project. Sufficient materials required for stabilization and/ or repair of erosion control measures and stormwater routing and treatment shall be on site at all times.
For borrow pit sites, the erosion and sediment control measures shall be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Surface Mining Manual*. Reclamation measures and implementation shall comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act and the Mining Act of 1971.
If the project occurs in waters or watersheds classified as Trout Waters, then the sedimentation and erosion control designs shall comply with the requirements set forth in 15A NCAC 04B .0124, *Design Standards in Sensitive Watershed*. [15A NCAC 02H .0506(b)(3) and (c)(3); GC 4135]

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

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

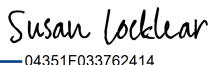
A party filing a Petition must serve a copy of the Petition on:

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

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

This letter completes the review of the Division under section 401 of the Clean Water Act and 15A NCAC 02H .0500. Please contact Amy Annino at 828-296-4668 or amy.annino@deq.nc.gov if you have any questions or concerns.

Sincerely,

Signed by:

04351F033762414...
Richard E. Rogers, Jr, Director
Division of Water Resources

ec:

Lori Beckwith, USACE Asheville Regulatory Field Office (loretta.a.beckwith@usace.army.mil)
Kevin Barnett, NCDOT Division 14 Environmental Officer (khbarnett@ncdot.gov)
Kevin Mitchell, NCDOT Division 14 Environmental Specialist (rkmitchell@ncdot.gov)
Holland Youngman, USFWS Wildlife Biologist (holland_youngman@fws.gov)
David McHenry, NC Wildlife Resources Commission (david.mchenry@ncwildlife.org)
Kristy Lynn Carpenter, NC Division of Water Resources (kristilynn.carpenter@deq.nc.gov)
File Copy



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, WILMINGTON DISTRICT
WILMINGTON REGULATORY OFFICE
69 DARLINGTON AVENUE
WILMINGTON NORTH CAROLINA 28403

December 19, 2024

Regulatory Program/Division
SAW-2024-01647

Sent Via Email: pjbreedlove@ncdot.gov

North Carolina Department of Transportation
Attn: Mr. Patrick Breedlove
253 Webster Road
Sylva, NC 28779

Dear Mr. Breedlove:

This letter is in response to the application you submitted to the Wilmington District, WRDA / Transportation Branch, on August 27, 2024, for a Department of the Army general permit verification. This project has been assigned the file number SAW-2024-01647 and is known as the HB0023, Br 169 and 170 replacement project. This file number should be referenced in all correspondence concerning this project.

A review of the information provided indicates that the proposed work would include the impacts resulting from the replacement of two structurally deficient bridges. Specific impacts include the temporary impact to 64 lf of stream channel due to temporary causeways and the permanent impact to 66 lf of stream channel due to bank stabilization. The project begins where Sonoma Road (SR 1876) crosses West Fork Pigeon River and extends east to where Max Thompson Road (SR 1876) crosses East Fork Pigeon River in Canton, Haywood County, North Carolina, at Latitude 35.476580 and Longitude -82.884370.

We have determined that the proposed work is authorized by RGP 50 pursuant to authorities under Section 404 of the Clean Water Act (33 U.S.C § 1344). The proposed work must be accomplished in strict accordance with the enclosed general permit conditions, any regional conditions, the special conditions listed in this letter, the application materials, and the enclosed plans. If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised application must be submitted to this office for written approval before work is initiated. Any deviation from the terms and conditions of the permit, or your submitted plans, may subject the permittee to enforcement action.

This verification is valid until May 25, 2025, unless the subject general permit(s) is suspended, revoked, or is modified prior to that date such that the activity no longer complies with the terms and conditions of the general permit.

Project Specific Special Conditions:

1. The U.S. Fish and Wildlife Service's (USFWS's) Biological Opinion (BO), dated December 11, 2024, contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with "incidental take" of the Appalachian elktoe (*Alasmidonta raveneliana*). The BO additionally contains conditions to protect endangered bats. Your authorization under this USACE permit is conditioned on your compliance with this document.

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

If you have any questions related to this verification or have issues accessing documents referenced in this letter, please contact Crystal Amschler, WRDA Project Manager of the WRDA at 828-526-6013, by mail at the above address, or by email at crystal.c.amschler@usace.army.mil. Please take a moment to complete our customer satisfaction survey located at <https://regulatory.ops.usace.army.mil/customer-service-survey/>.

Sincerely,

A handwritten signature in black ink that reads "M. Scott Jones". The signature is written in a cursive, flowing style.

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

Enclosures

Compliance Certification Form

File Number: SAW-2024-01647

County: Haywood

Permittee: North Carolina Department of Transportation, Patrick Breedlove

Project Name: HB0023, Br 169 and 170 replacement project

Date Verification Issued: 12/18/2024

Project Manager: Crystal Amschler

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

**US ARMY CORPS OF ENGINEERS
Wilmington District
Attn: Crystal Amschler
WRDA
151 Patton Ave Rm 208
Asheville, NC 28801
or
crystal.c.amschler@usace.army.mil**

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

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

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

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

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

Signature of Permittee

Date



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN

(Version 3.00; Released August 2021)

FOR NCDOT PROJECTS

WBS Element: 50345.2.1 TIP/Proj No: HB-0023 County(ies): Haywood Page 1 of 2

General Project Information

WBS Element:		50345.2.1	TIP Number:	HB-0023	Project Type:	Bridge Replacement	Date:	7/12/2024
NCDOT Contact:		Patrick Breedlove (Division PDEA Engineer)			Contractor / Designer:	TGS Engineers (David B. Petty, PE)		
	Address:	NCDOT Highway Division 14 345 Toot Hollow Road Bryson City, N.C. 28713				Address:	706 Hillsborough Street Suite 200 Raleigh NC, 27603	
	Phone:	(828) 508 -7397				Phone:	919-773-8887 ext. 104	
	Email:	pjbreedlove@ncdot.gov				Email:	dpetty@tgsengineers.com	
City/Town:		Canton			County(ies):	Haywood		
River Basin(s):		French Broad		CAMA County?	No			
Wetlands within Project Limits?		No						

Project Description

Project Length (lin. miles or feet):	0.183 mile	Surrounding Land Use:	wooded, farmland, low density residential				
	Proposed Project			Existing Site			
Project Built-Up Area (ac.)	0.6	ac.		0.6	ac.		
Typical Cross Section Description:	Two 10' paved travel lanes with 3' grassed shoulders (6' shoulders w/ guardrail, paved to guardrail).			Two 10' paved travel lanes w/2-3' grassed shoulders (#430169) and two 8.3' paved travel lanes w/2-3' grassed shoulders (#430170).			
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	1100	Year:	2020	Existing:	1100	Year: 2020

General Project Narrative:
(Description of Minimization of Water
Quality Impacts)

NCDOT Project HB-0023 involves the replacement of bridge #430169 over West Fork Pigeon River (WFPR) on SR 1876 (Sonoma Road) and the replacement of bridge #430170 over East Fork Pigeon River (EFPR) on SR 1105 (Max Thompson Road) in Haywood County, NC southwest of Canton.

Bridge #430169 (Site 1) involves the replacement of an existing 120' long by 25' wide prestressed concrete cored slab 3-span bridge with a 3-span (1@40' 21" CSU, 1@70' 24" CSU, 1@35' 21" CSU) cored slab bridge. The proposed grade roughly matches existing grade. The existing bridge has two bents in the river whereas the proposed bridge will only have bents at water's edge. Runoff from the existing bridge discharges under the bridge rails directly into the WFPR; however, the proposed bridge will have no direct discharge into the river. The minimum number of deck drains necessary to maintain safe passage by the traveling public will be installed over the overbank floodplain areas as far as possible from the edge of water and in topographically flat areas where it will be diffused promoting runoff attenuation and infiltration. Stormwater runoff from the proposed bridge that bypasses deck drains will be routed to traffic bearing grated inlets on the north and south sides of the roadway at the east approach of the bridge where it will be diffused with riprap pads at the proposed pipe outlets. All discharge from both the grated inlets and the deck drains is routed to topographically flat areas prior to discharging to the river to the maximum extent practicable, where it will be further diffused promoting runoff attenuation and infiltration.

Bridge #430170 (Site 2) involves the replacement of an existing 135' long by 21' wide (timber floor on I-beams) 3-span bridge with a 2-span (2@75' 24" CSU) cored slab bridge. The proposed grade will be about 3' higher than existing grade in the vicinity of the bridge and roughly matching existing grade approximately 50 ft west and 80 ft east of the bridge. The existing bridge has a bent in the center of the river whereas the proposed bridge will have a bent closer to water's edge. Tropical Storm Fred in August 2021 caused the highest flood water crest on record on the EFPR. In addition to washing out the west approach, this storm scoured a hole under west span of bridge #170 (approximately 4 foot deep relative to prestorm soundings). The storm also washed away a portion of the western streambank under the bridge. The design proposes to restore the streambank and streambed to prestorm topography using riprap in an effort to prevent future failure.

The proposed bridges are to be constructed and existing bridges to be removed using temporary work pads (causeways). The causeways will have 1.5:1 side slopes to minimize their size and will only extend approximately two feet above the normal water surface elevation to further minimize the effect on river hydraulics. All proposed stormwater runoff is discharged as far away from the stream and at the lowest non-erosive velocities as practicable. All impacts on the project have been minimized to the maximum extent practicable.



North Carolina Department of Transportation
Highway Stormwater Program
STORMWATER MANAGEMENT PLAN



(Version 3.00; Released August 2021)

FOR NCDOT PROJECTS

WBS Element: 50345.2.1

TIP/Proj No.: HB-0023

County(ies): Haywood

Page 2 of 2

General Project Information

Waterbody Information

Surface Water Body (1):	West Fork Pigeon River (Lake Logan)		NCDWR Stream Index No.:	5-2	
NCDWR Surface Water Classification for Water Body		Primary Classification:	Water Supply III (WS-III)	None	
		Supplemental Classification:	Trout Waters (Tr)	None	
Other Stream Classification:	None				
Impairments:	None				
Aquatic T&E Species?	Yes	Comments: Alasmidonta raveneliana (Appalachian elktoe): MA-LAA (in formal consultation with USFWS, expect BO)			
NRTR Stream ID:	West Fork Pigeon River			Buffer Rules in Effect:	N/A
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	No	Dissipator Pads Provided in Buffer?	No
Deck Drains Discharge Over Water Body?	No	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)					

Surface Water Body (2):	East Fork Pigeon River		NCDWR Stream Index No.:	5-3-(6.5)	
NCDWR Surface Water Classification for Water Body		Primary Classification:	Water Supply III (WS-III)		
		Supplemental Classification:	Trout Waters (Tr)		
Other Stream Classification:	None				
Impairments:	None				
Aquatic T&E Species?	No	Comments:			
NRTR Stream ID:	East Fork Pigeon River			Buffer Rules in Effect:	N/A
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	No	Dissipator Pads Provided in Buffer?	N/A
Deck Drains Discharge Over Water Body?	No	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)					

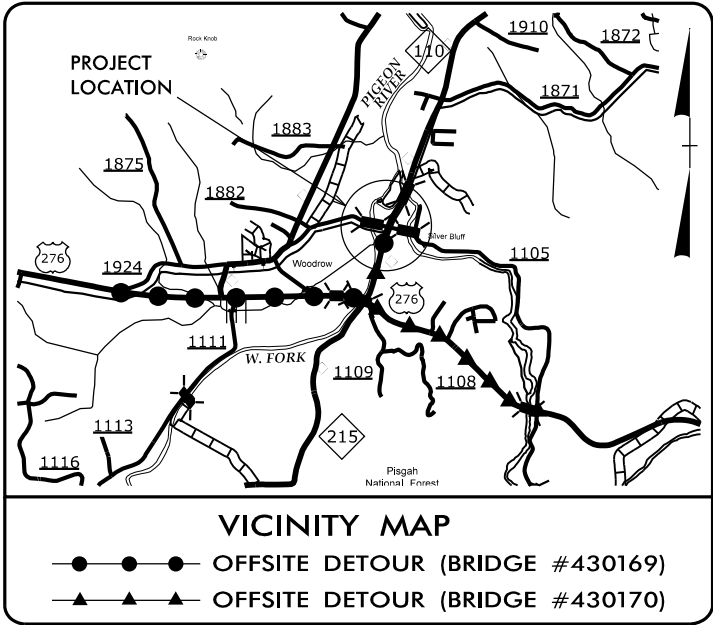
Surface Water Body (3):			NCDWR Stream Index No.:		
NCDWR Surface Water Classification for Water Body		Primary Classification:			
		Supplemental Classification:			
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?		Comments:			
NRTR Stream ID:				Buffer Rules in Effect:	
Project Includes Bridge Spanning Water Body?		Deck Drains Discharge Over Buffer?		Dissipator Pads Provided in Buffer?	
Deck Drains Discharge Over Water Body?		(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)					

09/08/99
8/20/2024
X:\NCDOT\Div 14 Haywood\69\Hydraulics\PERMITS_Environmental\Drawings\HB-0023_Hyd_prm_tsh.dgn
User:kgray

TIP PROJECT: HB-0023

CONTRACT:

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



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HAYWOOD COUNTY

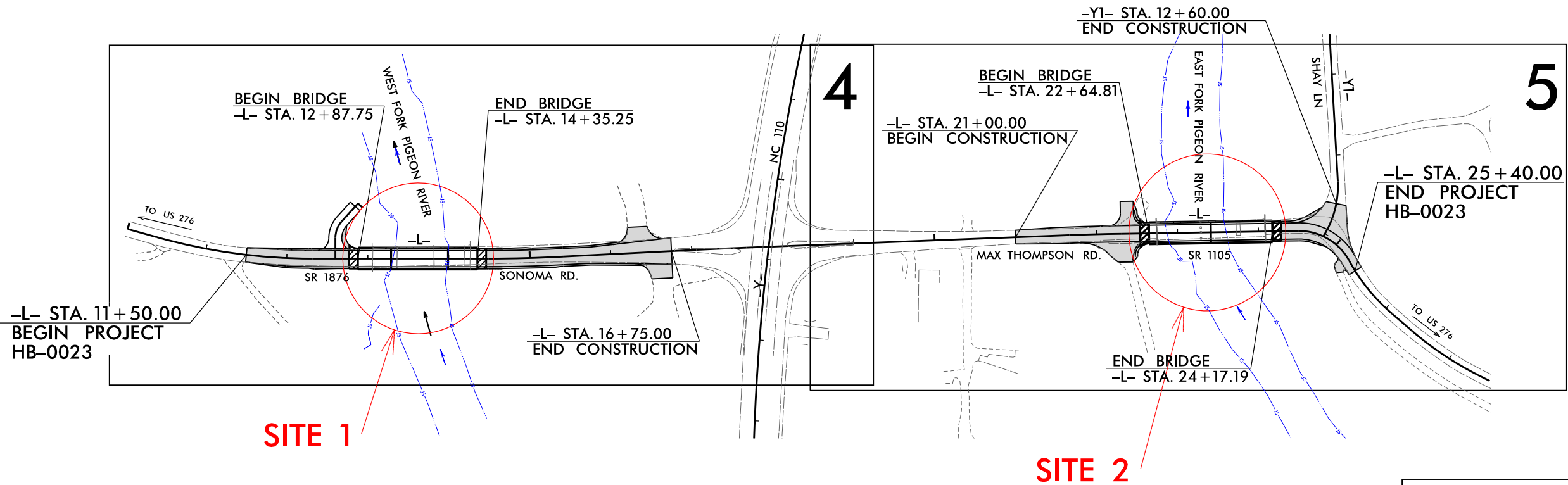
LOCATION:

BRIDGE #430169 ON SR 1876 (SONOMA RD) OVER WEST FORK PIGEON RIVER
BRIDGE #430170 ON SR 1105 (MAX THOMPSON RD) OVER EAST FORK PIGEON RIVER
TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND STRUCTURES

WETLAND AND SURFACE WATER IMPACTS PERMIT

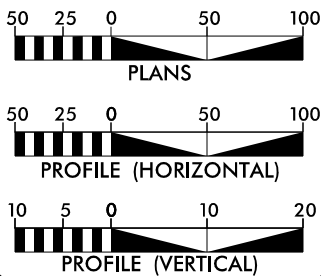
8-20-2024

PERMIT DRAWING
SHEET 1 OF 6



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2020 = 1,100
T = 7 % *
V = 40 MPH
* TTST = 4% DUAL 3%
FUNC CLASS =
LOCAL RURAL
SUB-REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT HB-0023 = 0.126 MILES
LENGTH STRUCTURE TIP PROJECT HB-0023 = 0.057 MILES
TOTAL LENGTH TIP PROJECT HB-0023 = 0.183 MILES

NCDOT CONTACT: ZACH SHULER

PLANS PREPARED BY:

TGS ENGINEERS
201 W. MARION ST STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO. C-0275

PLANS PREPARED FOR:

NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION 14
345 Toot Hollow Rd
Bryson City, NC 28713

RIGHT OF WAY DATE:

JUNE 14, 2024

LETTING DATE:

JUNE 24, 2025

2024 STANDARD SPECIFICATIONS

JIMMY L. TERRY, PE
PROJECT ENGINEER

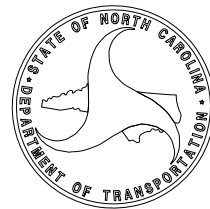
AUSTIN R. TURNER, PE
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

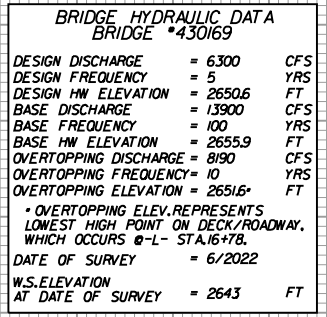
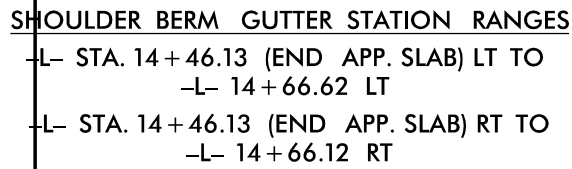
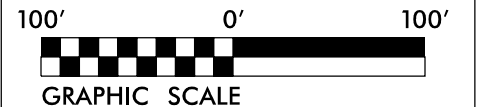
SIGNATURE: P.E.

ROADWAY DESIGN
ENGINEER

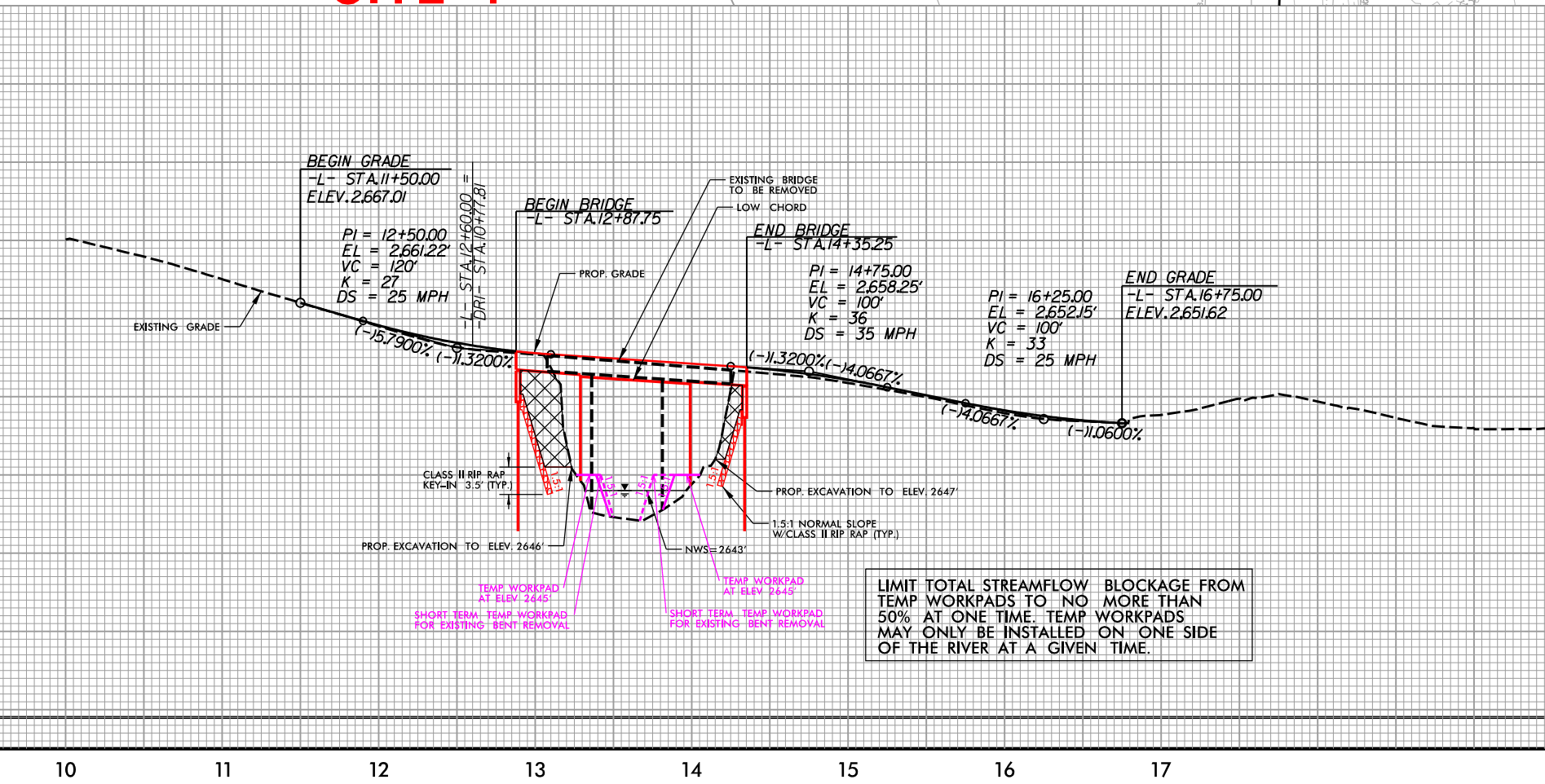
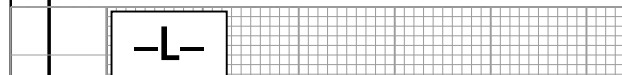
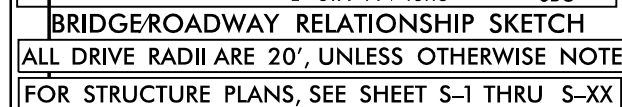
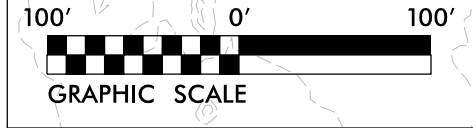
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TS TS TS
TS TS TS



LIMIT TOTAL STREAMFLOW BLOCKAGE FROM
TEMP WORKPADS TO NO MORE THAN
50% AT ONE TIME. TEMP WORKPADS
MAY ONLY BE INSTALLED ON ONE SIDE
OF THE RIVER AT A GIVEN TIME.



```

BRIDGE HYDRAULIC DATA
BRIDGE #430169

DESIGN DISCHARGE          = 6300    CFS
DESIGN FREQUENCY          = 5        YRS
DESIGN HW ELEVATION       = 2650.6  FT
BASE DISCHARGE            = 13900    CFS
BASE FREQUENCY            = 100       YRS
BASE HW ELEVATION         = 2655.9  FT
OVERTOPPING DISCHARGE    = 8190     CFS
OVERTOPPING FREQUENCY    = 10        YRS
OVERTOPPING ELEVATION    = 2651.6  FT

* OVERTOPPING ELEV. REPRESENTS THE
  LOWEST HIGH POINT ON DECK/ROADWAY,
  WHICH OCCURS @-L- STA.16+78.

DATE OF SURVEY           = 6/2022

W.S.ELEVATION
AT DATE OF SURVEY       = 2643     FT

```

LIMIT TOTAL STREAMFLOW BLOCKAGE FROM
TEMP WORKPADS TO NO MORE THAN
50% AT ONE TIME. TEMP WORKPADS
MAY ONLY BE INSTALLED ON ONE SIDE
OF THE RIVER AT A GIVEN TIME.

DETAIL 5A
SPECIAL CUT DITCH
 (Not to Scale)

Natural Ground

2:1

3:1

Front Ditch Slope

D

Min. D = 1 Ft.

—L— STA. 25+05 TO 25+46 LT
 SEE PFL FOR DITCH GRADES

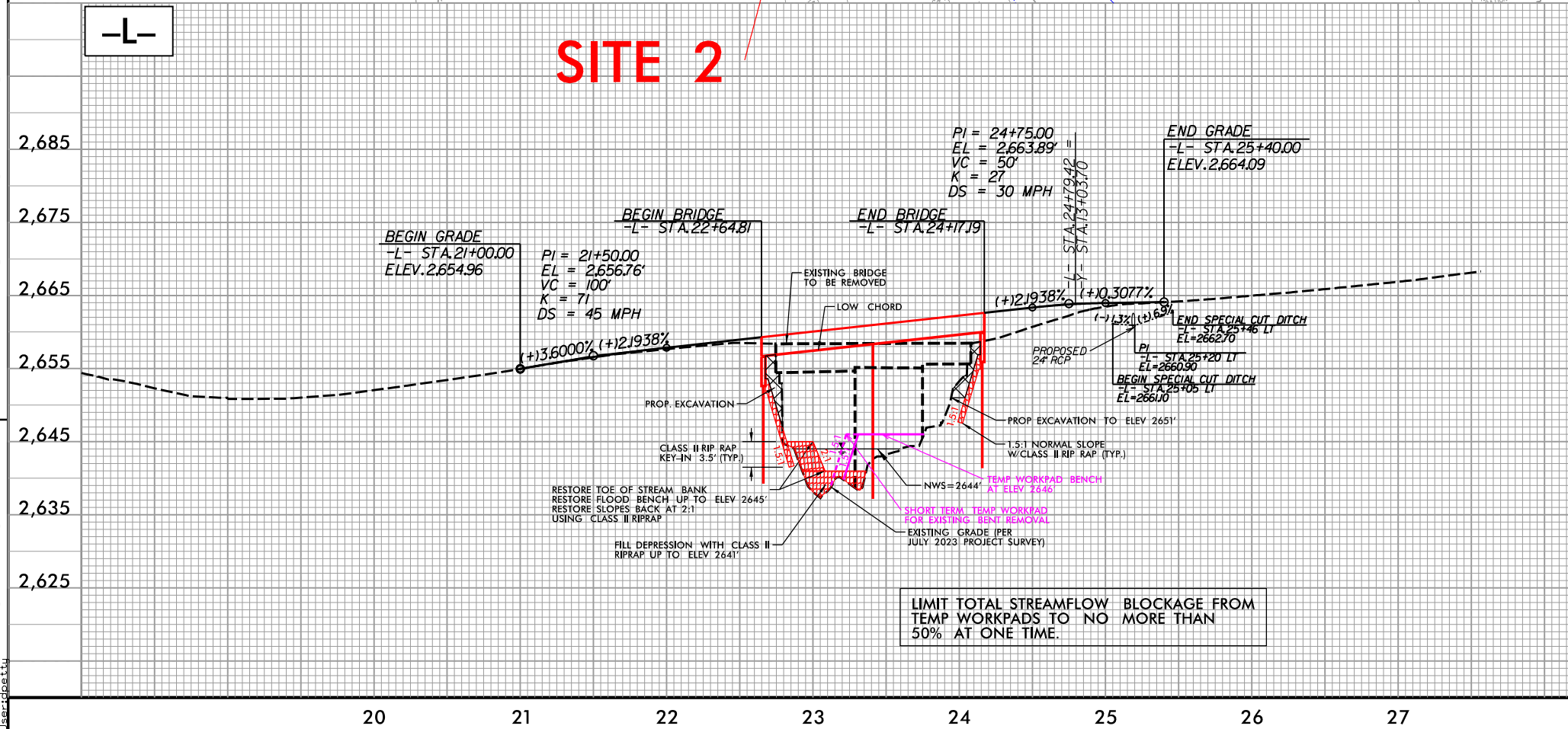
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(BEGIN APP. SLAB) LT

-L- STA. 22+49.88 RT TO -L- 22+53.94
(BEGIN APP. SLAB) RT

100' 0' 100'

GRAPHIC SCALE

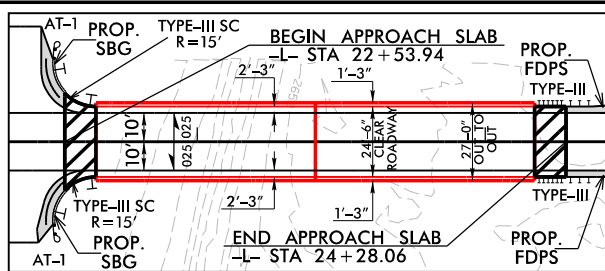
BRIDGE *430170		2,655
DESIGN DISCHARGE	= 9090 CFS	
DESIGN FREQUENCY	= 10 YRS	
DESIGN HW ELEVATION	= 2654.4 FT	2,645
BASE DISCHARGE	= 17510 CFS	
BASE FREQUENCY	= 100 YRS	
BASE HW ELEVATION	= 2658J FT	
OVERTOPPING DISCHARGE	= 9090 CFS	2,635
OVERTOPPING FREQUENCY	= 10 YRS	
OVERTOPPING ELEVATION	= 2654.0 FT*	
*OVERTOPPING ELEVATION REPRESENTS LOWEST NG ELEVATION LOCATED		2,625
@ -L- STA.22+60 RT.		
DATE OF SITE VISIT	= 4/24/2023	
APPROX. W.S. ELEVATION		
ON DATE OF SITE VISIT	= 2644 FT	



REVISIONS

7/13/2024 14 Haywood 169\Hydraulics\PERMITS_Environmental\Drawings\HB-0023_Hyd_prm_psh05.dgn
User: dgettu

8/17/99



BRIDGEROADWAY RELATIONSHIP SKETCH

MATCH LINE STA.-L- 19+00.00
MATCH TO SHEET NO.4

BEGIN CONSTRUCTION
HB-0023 (BRIDGE #170)
-L- STA. 21+00.00

-L- STA. 22+49.88 LT TO -L- 22+53.94
(BEGIN APP. SLAB) LT

-L- STA. 22+49.88 RT TO -L- 22+53.94
(BEGIN APP. SLAB) RT

BEGIN BRIDGE
-L- STA. 22+64.81

END BRIDGE
-L- STA. 24+17.19

END CONSTRUCTION
-Y1- STA. 12+60.00

END PROJECT
HB-0023
-L- STA. 25+40.00

ALL DRIVE RADII ARE 20', UNLESS OTHERWISE NOTED
FOR STRUCTURE PLANS, SEE SHEET S-1 THRU S-XX

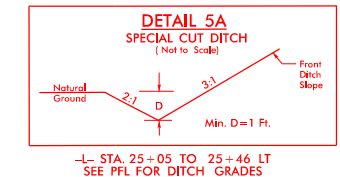


TGS ENGINEERS
201 W. MARION ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

HAYWOOD COUNTY
BRIDGE #430170

PERMIT DRAWING
SHEET 5 OF 6

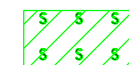
PROJECT REFERENCE NO.		SHEET NO.	
HB-0023		5	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



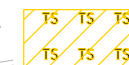
SHOULDER BERM GUTTER STATION RANGES

-L- STA. 22+49.88 LT TO -L- 22+53.94
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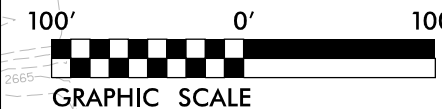
-L- STA. 22+49.88 RT TO -L- 22+53.94
(BEGIN APP. SLAB) RT



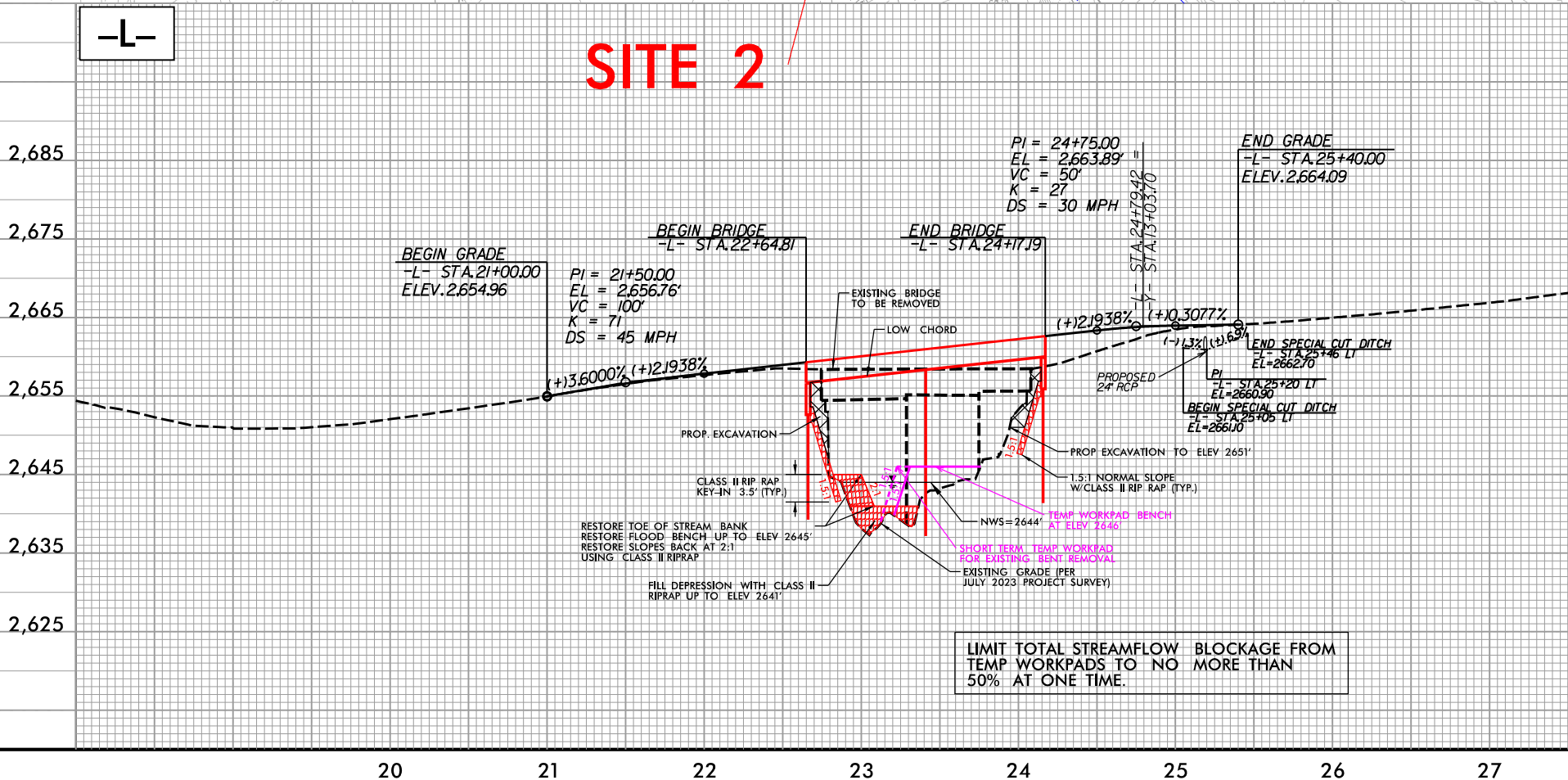
SURFACE WATER
IMPACTS



TEMPORARY SURFACE
WATER IMPACTS



SITE 2



PIPE HYDRAULIC DATA		
Sir*0505 -L- Sta.25+19		
DRAINAGE AREA	= 4.4	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 13	CFS
DESIGN HW ELEVATION	= 2662.8	FT
100 YEAR DISCHARGE	= 16	CFS
100 YEAR HW ELEVATION	= 2663.1	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 23	CFS
OVERTOPPING ELEVATION	= 2664.0	FT

BRIDGE HYDRAULIC DATA		
BRIDGE #430170		
DESIGN DISCHARGE	= 9090	CFS
DESIGN FREQUENCY	= 10	YRS
DESIGN HW ELEVATION	= 2654.4	FT
BASE DISCHARGE	= 17510	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2658.1	FT
OVERTOPPING DISCHARGE	= 9090	CFS
OVERTOPPING FREQUENCY	= 10	YRS
OVERTOPPING ELEVATION	= 2654.0	FT
*OVERTOPPING ELEVATION REPRESENTS LOWEST NG ELEVATION LOCATED @ -L- STA. 22+60 RT.		
DATE OF SITE VISIT	= 4/24/2023	
APPROX. W.S. ELEVATION ON DATE OF SITE VISIT	= 2644	FT

LIMIT TOTAL STREAMFLOW BLOCKAGE FROM
TEMP WORKPADS TO NO MORE THAN
50% AT ONE TIME.

Biological Opinion
Replace Bridges 169 and 170 over the West and East Forks
of the Pigeon River
Haywood County, North Carolina

Service Log #22-237
HB-0023; WBS Element #50345.1.1; IPaC #2024-0097713



Prepared by:

U.S. Fish and Wildlife Service
Asheville Ecological Services Office
160 Zillicoa Street
Asheville, North Carolina 28801

JANET MIZZI

Digitally signed by JANET MIZZI
Date: 2024.12.11 16:28:57
-05'00'

Janet Mizzi, Field Supervisor
Asheville Ecological Services Field Office
Asheville, North Carolina

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Consultation History

May 9, 2022: North Carolina Department of Transportation (NCDOT) provided a calendar invite to agency partners for on-site field scoping meeting at Bridge 169.

May 11, 2022: NCDOT provided a letter to agency partners requesting comments for replacement of Bridge 169.

June 3, 2022: U.S. Fish and Wildlife Service (Service) attended on-site field scoping meeting.

June 7, 2022: Service provided a comment response letter to NCDOT regarding Bridge 169.

April 4, 2023: NCDOT provided a letter requesting comments from the Service for Bridges 169 and 170.

April 24, 2023: Service attended on-site field scoping meeting for Bridge 170.

May 1, 2023: Service provided a comment letter to NCDOT regarding replacement of Bridges 169 and 170.

July 8, 2024: NCDOT requested and received from the Service an updated Official List of Listed Species and Critical Habitat.

August 28, 2024: Federal Highway Administration (FHWA) submitted Biological Assessment to the Service.

October 17, 2024: FHWA inquired about status of consultation review and Service provided a response and asked additional questions.

October 18 and 23, 2024: Consultant provided responses to Service questions and provided updated plan sheets, which satisfied the need for complete information and initiated formal consultation.

December 4, 2024: Service provided draft Biological Opinion (BO) to FHWA and NCDOT for review prior to finalization.

December 11, 2024: FHWA informed the Service that review was completed and requested the BO be finalized.

Informal Consultation

The North Carolina Department of Transportation (NCDOT) proposes to replace Bridge No. 169 on SR 1876 (Sonoma Road) over the West Fork Pigeon River (WFPR) and Bridge No. 170 on SR 1105 (Max Thompson Road) over the East Fork Pigeon River (EFPR), both located in Haywood County, North Carolina. Information submitted in the Biological Assessment (BA) was reviewed and the following is provided in accordance with section 7 of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 - 1543) (Act). The NCDOT has determined that the following federally listed species would not be affected by the proposed project:

Small Whorled Pogonia	(<i>Isotria medeoloides</i>)	Threatened
Rock Gnome Lichen	(<i>Gymnoderma lineare</i>)	Endangered

The “No Effect” (NE) determination for rock gnome lichen is based on the absence of suitable habitat within the action area. The information provided states that limited suitable habitat for small whorled pogonia occurs within the action area. Botanical surveys conducted within suitable habitat areas on July 7, 2022, May 24, 2023, and June 24, 2024 did not detect the species. In instances of suitable habitat being absent from the action area, or where project actions would not result in impacts to suitable habitat within the action area, we would agree that NE determinations are appropriate. In instances where suitable habitat is present and botanical surveys conducted during the optimal survey window and within the past 1 or 2 years (depending on the species) have negative results, we would concur with a biological determination of “may affect, not likely to adversely affect” (NLAA). This information is provided for the sake of the administrative record.

The NCDOT has determined that the project is NLAA:

Gray Bat	(<i>Myotis grisescens</i>)	Endangered
Indiana Bat	(<i>Myotis sodalis</i>)	Endangered
Northern Long-eared Bat	(<i>Myotis septentrionalis</i>)	Endangered

The NLAA determinations are based on the following factors:

Surveys conducted on June 15, 2022, May 30, 2024, and June 22, 2024 for bats and signs of bat use on the project bridges returned negative results. There are a limited number of trees within the action area that provide suitable roosting features. Commitments (as listed in Conservation Measures [CMs] below) to clear trees between October 16-March 31, conduct additional structure surveys within 30 days of the let date, and limit project-associated lighting and noise impacts are expected to minimize potential project impacts on the above-listed bat species. Based on the information provided and associated measures, we concur with NCDOT’s determination that the proposed project is NLAA gray bat, Indiana bat, and northern long-eared bat.

We believe the requirements under section 7 of the Act are fulfilled for these species. However, obligations under section 7 of the Act must be reconsidered if: (1) new information reveals impacts of this proposed action may affect listed species or critical habitat in a manner not previously considered, (2) this proposed action is subsequently modified in a manner that was not considered in this review, or (3) a new species is listed or critical habitat is determined that may be affected by the proposed action.

To avoid the disruption to ongoing or planned actions, the Service recommended conferencing for proposed and at-risk species. The NCDOT also determined the following proposed and at-risk species are not likely to be adversely affected by the proposed project:

Little brown bat	(<i>Myotis lucifugus</i>)	At-risk Species
Tricolored bat	(<i>Perimyotis subflavus</i>)	Proposed Endangered

On September 14, 2022, the Service published a proposal in the Federal Register to list the tricolored bat as endangered under the Act. As a result, NCDOT has requested a conference for the tricolored bat as the project may be on-going after the effective date of any final listing rule, if one is published. Little brown bat is considered an at-risk species. Proposed and at-risk species are not legally protected under the Act and are not subject to any of its provisions, including section 7, unless they are formally proposed or listed as endangered or threatened. While lead federal agencies are not prohibited from jeopardizing the continued existence of a proposed or at-risk species unless the species becomes listed, the prohibition against jeopardy and taking a listed species under section 9 of the Act applies as soon as a listing becomes effective, regardless of the stage of completion of the proposed action. NCDOT has requested a conference for the little brown bat, as the project may be on-going after a potential proposal for listing and effective date of any final listing rule, if one is published. Based on the information provided; the analysis discussed for listed bat species above which also has applicability here, notably that bats were not observed during bridge surveys; and the commitments to minimize project impacts, we have determined that the proposed project will not jeopardize the continued existence of the tricolored bat or little brown bat. Additionally, we would concur with the NCDOT's determination that the project is NLAA the tricolored bat and the little brown bat should the species become listed.

Biological Opinion

1. Introduction

A biological opinion is the document that states the opinion of the Service in accordance with section 7 of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531-1543) (ESA), as to whether a Federal action is likely to jeopardize the continued existence of species listed as endangered or threatened; or result in the destruction or adverse modification of designated critical habitat.

This document transmits the Service's biological opinion (Opinion) and is based on our review of the proposal to replace Bridge No. 169 on SR 1876 (Sonoma Road) over the West Fork Pigeon River (WFPR) and Bridge No. 170 on SR 1105 (Max Thompson Road) over the East Fork Pigeon River (EFPR), both located in Haywood County, North Carolina (Appendix A) and its effects on the Federally endangered Appalachian elktoe (*Alasmidonta raveneliana*). This Opinion is based on information provided in the BA submitted to the Service by the FHWA, field investigations, email communications between NCDOT and the Service, communications with experts on the affected species, and other sources of information as cited. The FHWA is the lead Federal action agency for this project, with consultation authority delegated to the NCDOT.

2. Proposed Action

As defined in the Service's section 7 regulations (50 CFR 402.02), "action" means "all activities or programs of any kind authorized, funded, or carried out, in whole or in part, by Federal agencies in the United States or upon the high seas." The "action area" is defined as "all areas to be affected directly or indirectly by the Federal action and not merely the immediate area involved in the action." The direct and indirect effects of the actions and activities must be considered in conjunction with the effects of other past and present Federal, state, or private activities, as well as the cumulative effects of reasonably certain future state or private activities within the action area.

2.1 Action Area

The project action area is all areas of construction and includes any portion of the East and West Fork Pigeon Rivers that may be affected by direct or indirect effects. The action area for HB-0023 is about 7.6 acres, in southern Haywood County, North Carolina. The action area is comprised of the:

- 1.) Project construction limits including all project and related work.
- 2.) Limits of sedimentation effect, anticipated to extend 100 meters (m) (328 feet (ft)) upstream from each bridge and 400 m (1,314 ft) downstream from each bridge in each respective river.
- 3.) Two Environmentally Sensitive Areas, one centered around each bridge: 50-ft buffers from the top of bank of both rivers.

2.2 Project Description

The replacement of Bridge Nos. 169 and 170 were originally planned for a Let date of June 24, 2025; however, flooding impacts from Hurricane Helene in late September of 2024 necessitated an expedited Let and construction schedule due to the resulting infrastructure damage. Construction details for the two project bridges are described below.

Bridge No. 169

The existing Bridge No. 169 over the West Fork Pigeon River (WFPR) is 120 ft long with three spans (one at 30 ft in length, two at 45 ft in length). The structure is comprised of prestressed concrete cored slabs, steel guardrails, and interior bents with steel piles on concrete footings. There are two in-water interior bents, one of which occurs near the jurisdictional water's edge and the other completely within the water. Existing in-water bents occupy 29 square feet (ft²) of riverbed. Although current Bridge No. 169 has no deck drains, runoff from the existing bridge discharges under the bridge rails directly into the WFPR.

The replacement bridge over the WFPR will be constructed within the existing alignment. The new bridge will be constructed of 24-inch cored slab approximately 145 ft long, consisting of three spans (40 ft, 70 ft, 35 ft) with a recommended width of clear roadway of 24 ft 10 inch. The new bridge will, similarly to the existing structure, have two in-water bents, which will occupy 12 ft² of river bottom.

The proposed bridge will have no direct discharge into the river. The minimum number of deck drains necessary to maintain safe passage by the traveling public will be located over the overbank floodplain areas as far as possible from the edge of water. Stormwater runoff from the proposed bridge that bypasses deck drains will be routed to traffic bearing grated inlets on the north and south sides of the roadway at the east approach of the bridge where it will be diffused with riprap pads at the proposed pipe outlets. All proposed stormwater runoff is discharged as far away from the river and at the lowest non-erosive velocities as practicable.

Bridge No. 170

The existing Bridge No. 170 over East Fork Pigeon River (EFPR) is 135 ft long with three spans measuring approximately 55 ft, 46 ft, and 34 ft in length. The structure is comprised of a creosote treated timber deck on steel I-beams, with bents consisting of steel piles on concrete footings. There is one in-water bent. The existing in-water bent occupies 21 ft² of riverbed. Although there are no deck drains, regular gaps under the timber guardrails allow stormwater to drain directly into the EFPR.

Bridge No. 170 experienced significant impact from Tropical Storm Fred in 2021, which resulted in a scour hole developing under the bridge that continues to erode the river bottom of the EFPR. Similarly, Tropical Storm Fred caused the left streambank within the EFPR to require restoration, requiring additional material to restore. The scour hole and bank restoration will be mediated with 1,904 ft² of permanent fill, as confirmed by design engineer correspondence. Impacts and flooding from Hurricane Helene in September of 2024 resulted in approximately six feet of debris being deposited on the bridge, the western roadway approach washing out, and the overhead utilities being knocked down. At the time of this document, the debris has been removed, the utilities restored in their previous locations, and the roadway filled to allow for the passage of local traffic.

The replacement Bridge No. 170 over the EFPR will be constructed within the existing alignment. The new bridge will be approximately 150 ft in length and will consist of two spans, each measuring 75 ft long, with two bar metal guardrails. The proposed bridge will have one in-water bent, which will again occupy 21 ft² of riverbed. The recommended width of clear roadway is 24 ft 6 inches.

The proposed bridge over the EFPR will have no direct discharge into the river. The minimum number of deck drains necessary to maintain safe passage by the traveling public will be installed over the overbank floodplain areas as far as possible from the edge of water. Stormwater runoff from the proposed bridge that bypasses deck drains will be routed to traffic bearing grated inlets on the north and south sides of the roadway at the west approach of the bridge where it will be diffused with riprap at the proposed pipe outlets. All proposed stormwater runoff is discharged as far away from the stream and at the lowest non-

erosive velocities as practicable.

The proposed bridge will be widened to two 10-ft travel lanes with two ft five-inch offsets on the existing alignment. The approach roadway for the proposed replacement will extend approximately 138 ft from the west end of the bridge and 240 ft from the east end of the new bridge. The approaches will be widened to include two 10 ft travel lanes with two ft paved shoulders, four ft total (seven ft with guardrail).

Permanent Fill

The proposed project designs are included in Appendix C. Additional easements may be required for drainage, utilities, and construction. If additional needed easements occur outside the currently defined action area, they will be provided to the Service for review once they are selected. Almost 2,000 ft² (.05 acres) of permanent fill is anticipated, outlined in Table 1.

Table 1. Combined Permanent Fill Summary

Bridge	Existing	Source (ft ²)	Proposed
169	29	Portion of 4 drilled piers	12
170	21	Scour hole repair and bank restoration (1,904), 3 drilled piers (21)	1,925
Total	50		1,937

Causeways

Temporary causeways are the preferred method for construction equipment to access the under-bridge structures to operate safely and to minimize work duration and associated construction effects. These causeways will be used as work pads for construction cranes and other equipment needed during demolition and construction activities. Table 2 outlines the amount of fill that will be used at each bridge for these causeways. Temporary causeways will only be placed on one side of the river at a given time for Bridge No. 169. Bridge No. 170 only has a temporary causeway planned for one side of the river.

Table 2. Temporary Causeway Fill Summary

Bridge	Causeway Fill Required (ft ²)
169	3,553
170	2,703
Total	6,256

Additional Activities of Tree Clearing, Access Roads, and Demolition

Approximately 0.24 acres of combined tree clearing will occur between the two project bridges. These mostly small patches of isolated trees which are depicted as part of the action area in Figure 1. Tree clearing will occur between October 16 – March 31, to avoid the season during which tree-roosting bats may be present.

Temporary access roads for bridge construction will be used. If not maintained properly, access roads could potentially transport sediment into waterways until disturbed slopes become stabilized with riprap, matting, or other measures. Construction-related avoidance/minimization and conservation measures detailed in the Avoidance and Minimization Measures (AMMs) and CMs will minimize potential adverse effects to the species associated with access roads.

To reduce the duration of causeway use, the demolition of both bridges will begin top-down, using non-shattering demolition methods to remove each bridge in the fewest intact sections possible. Concrete

decks will be removed using a saw to full depth/span length to remove deck and beam segments as individual pieces, which will be removed via crane to avoid dropping components into the water.

2.3 Avoidance and Minimization and Conservation Measures

The following NCDOT Standards, Guides, and Best Practices are employed to avoid and minimize erosion, sedimentation, and stormwater effects during NCDOT construction projects. AMMs are as follows:

- AMM 1. Best Management Practices for Construction and Maintenance Activities (NCDOT 2003).
- AMM 2. Stormwater Best Management Practices Toolbox (NCDOT 2014).
- AMM 3. Erosion and Sediment Control Design and Construction Manual (NCDOT 2015a).
- AMM 4. BMP Decision Support Matrix (NCDOT 2020a).
- AMM 5. Post-Construction Stormwater Program (NCDOT 2022a).
- AMM 6. NCDOT Guidelines for Drainage Studies and Hydraulic Design (NCDOT 2022b).
- AMM 7. Stormwater Control Measure Inspection and Maintenance Manual (NCDOT 2022c).

CMs represent actions, pledged in the project description, that the action agency will implement to minimize the effects of the proposed action and further the recovery of the species under review. Such measures should be closely related to the action and should be achievable within the authority of the action agency. We consider the beneficial effects of CMs in making our determination of whether the project will jeopardize the species. In addition, measures beneficial to listed and proposed bat species are included in this list.

NCDOT has made the following commitments, which exceed standards to further minimize effects to protected species and critical habitat within the action area.

- CM1. NCDOT will contribute \$50,000 to the North Carolina Non-game Aquatic Species Fund to support conservation and recovery goals for the Appalachian elktoe.
- CM 2. NCDOT will implement Design Standards in Sensitive Watersheds (DSSW) (NCDOT 2020b).
- CM 3. Construction activities that may impact Appalachian elktoe habitat will be minimized to the extent practicable. Including but not limited to: Temporary causeways will only be placed on one side of the river at a given time for Bridge No. 169. Bridge No. 170 only has a temporary causeway planned for one side of the river.
- CM 4. Tree removal will only occur between October 16 and March 31.
- CM 5. A structure survey on Bridges No. 169 and 170 will be conducted 30 days prior to the project let to help ensure listed bats are not present. NCDOT will coordinate with the Service if any bats are found.
- CM 6. Pile driving will occur once the trees within the project clearing limits that are immediately adjacent to the pile driving site have been removed.
- CM7. Temporary construction lighting will be shielded, directed away from waterways and riparian areas, directed towards active work, and will be turned off when not in use.
- CM 8. No permanent lighting will be installed as part of the project.
- CM 9. The following appropriate agency representatives will be invited to the pre-construction meeting: The NC Wildlife Resources Commission (NCWRC), the Service, the NC Division of Water Resources (NCDWR), and the U.S. Army Corps of Engineers (USACE).
- CM 10. Two months before construction, or as early as possible given the adjusted project due to

Hurricane Helene impacts, NCDOT will contact appropriate NCWRC and Service representatives to survey and possibly relocate any at-risk mussel species, including Appalachian elktoe, as well as Eastern Hellbender at Bridges No. 169 and 170.

3. Status of the Species for Appalachian Elktoe

Scientific Name:	<i>Alasmidonta raveneliana</i>
Status:	Endangered
Date of Listing:	November 23, 1994
Critical Habitat:	Designated in 2002

This section summarizes best available data about the biology and current condition of the Appalachian elktoe throughout its range that are relevant to formulating an opinion about the Action. The Appalachian elktoe Status Review as of 2022 can be accessed online for an in-depth review of species information.

3.1 Description and Life History

The Appalachian elktoe is a freshwater mussel endemic to the Blue Ridge Physiographic Province of western North Carolina. This species exists in several small populations in the Upper Tennessee River system of North Carolina and Tennessee, inhabiting relatively shallow medium-sized creeks and rivers with cool, well-oxygenated, and moderate- to fast-flowing water.

Lea (1834) described the Appalachian elktoe from the FBR system in North Carolina. Its shell is thin but not fragile, oblong, and somewhat kidney-shaped, with a sharply rounded anterior margin and a broadly rounded posterior margin. Parmalee and Bogan (1998) cite a maximum length of 8 centimeters (cm). However, a recent individual captured in the FBR basin measured 10.3 cm (Jason Mays, personal communication, 2023). The periostracum (outer shell) of the Appalachian elktoe varies in color from dark brown to yellowish-brown in color. Rays may be prominent in some individuals, usually on the posterior slope, and nearly obscure in other specimens. The nacre (inside shell surface) is a shiny bluish white, changing to salmon color in the beak cavity portion of the shell. A detailed description of the shell characteristics is contained in Clarke (1981). Ortmann (1921) provides descriptions of the soft anatomy.

The reproductive cycle of the Appalachian elktoe is similar to that of other native freshwater mussels. Males release sperm into the water column, which is then taken in by the female through their siphons during feeding and respiration. The females retain the fertilized eggs in their gills until the larvae (glochidia) fully develop. The mussel glochidia are released into the water, and within a few days they must attach to the appropriate species of fish, which they parasitize for a short time while they develop into juvenile mussels. Juveniles then detach from their fish host and sink to the stream bottom where they may continue to develop, provided that suitable substrate and water conditions are present (Service 2002). The Appalachian elktoe is a bradytictic (long-term) brooder, with the females retaining glochidia in their gills from late August to mid-June (Service 2009b). Glochidia are released in mid-June, attaching to either the gills or fins of a suitable fish host species. Transformation time for Appalachian elktoe occurs within 18 to 22 days where mean temperatures are 18°C. Appalachian elktoe mussels use a variety of common fish hosts but appear to specialize on darters and sculpins.

3.2 Status and Distribution

The Appalachian elktoe is known only from the mountain streams of western North Carolina and eastern Tennessee. It is found in gravelly substrates often mixed with cobble and boulders, in cracks of bedrock, and in relatively silt-free, coarse sandy substrates (Service 1996).

Although the complete historic range of the Appalachian elktoe is unknown, available information suggests that the species once lived in the majority of the rivers and larger creeks of the upper Tennessee River system in North Carolina, with the possible exception of the Hiwassee and Watauga River systems. In Tennessee, the species is known only from its present range in the main stem of the Nolichucky River. At the time of listing, two known populations of the Appalachian elktoe existed: the Nolichucky River, including its tributaries (the Cane River and the North Toe River); and the Little Tennessee River and its tributaries. The record in the Cane River was represented by one specimen found just above its confluence with the North Toe River (Service 1996). Since listing, the Appalachian elktoe has been found in additional areas. These occurrences include extensions of the known ranges in the Nolichucky River (North Toe River, South Toe River, and Cane River) and the Little Tennessee River (Tuckasegee River and Cheoah River) as well as a rediscovery in the FBR basin (Pigeon River, Little River, Mills River, and the main stem of the FBR). Many of these newly discovered populations are relatively small in numbers and range.

The Appalachian elktoe has experienced declines in two populations across its range. A sudden die-off in the Little Tennessee River, (once considered the largest and most secure population of this animal), occurred from 2005 – 2015. Surveys in 2017, 2018 and 2019 produced very low numbers, indicating a remnant population, but the population is limited and only a tiny fraction of its previous size. The species has also declined in the lower portion of the Nolichucky River. Appalachian elktoe were once common in all three tributaries of the Nolichucky River: North Toe, South Toe and Cane River. In 2008, a fish kill linked to a waste-water plant failure resulted in the death of most of the Appalachian elktoe in the Cane River. Beginning in 2013, the Appalachian elktoe population in the lower South Toe River declined steeply which coincided with a major highway construction project and only occurred downstream of receiving streams in the project footprint. Appalachian elktoe are still present in the South Toe River, but at reduced densities. Appalachian elktoe are still present in the North Toe River, but at low densities. It appears that the North Toe population is limited by urban runoff and mining effects to the river. The other populations of Appalachian elktoe appear to be stable (Tuckasegee, Cheoah, and Pigeon Rivers) or expanding (FBR). A remnant population known in the Cheoah River since the early 2000's is presently being augmented by the NCWRC with hatchery-propagated individuals sourced from the Tuckasegee River. This effort appears to be successful in bringing this population back to a viable state. Prior to 2004, the FBR population appeared to be confined to two tributary streams (Little River and Mills River), but over the last few years the known range of Appalachian elktoe in the main stem of the FBR has expanded and it now appears to be well established, albeit at low density, over a broad area.

3.3 Threats

The decline of the Appalachian elktoe throughout its historic range has been attributed to a variety of factors, including sedimentation, point and nonpoint-source pollution, and habitat modification (impoundments, channelization etc.). The low numbers of individuals and the restricted range of most of the surviving populations make them extremely vulnerable to extirpation from a single catastrophic event or activity. Catastrophic events may consist of natural events, such as flooding or drought, as well as human influenced events, such as toxic spills associated with highways or railroads.

Natural flooding events combined with alteration of watersheds can lead to large fluctuations in abundance observed in Appalachian elktoe populations. Record flooding in the range of Appalachian elktoe occurred during Hurricane Helene during September 2024. It is likely that many areas inhabited by Appalachian elktoe were damaged by erosive flooding and bank failures. Observations immediately after the flooding in October 2024 observed that despite severe flooding, the upper Pigeon River was relatively

intact and Appalachian elktoe are likely to remain in most of the affected areas. Portions of the FBR basin and most of western North Carolina experienced catastrophic flooding in late summer 2021 as a result of the remnants of Tropical Storm Fred. The flooding likely resulted in loss of Appalachian elktoe individuals within populations in the hardest-hit portions of the Pigeon, Mills and French Broad Rivers.

Siltation resulting from improper erosion control of various types of land use, including agriculture, forestry, road construction, and development, has been recognized as a major contributing factor to the degradation of mussel populations (Service 1996). Siltation has been documented to be extremely detrimental to mussel populations by degrading substrate and water quality, increasing potential exposure to other pollutants, and direct smothering of mussels (Ellis 1936). Sediment accumulations of less than an inch have been shown to cause high mortality in most mussel species (Ellis 1936). The abrasive action of sediment on mussel shells has been shown to cause erosion of the outer shell, which allows acids to reach and corrode underlying layers (Harman 1974).

Sewage treatment effluent has been documented to significantly affect the diversity and abundance of mussel fauna (Goudreau *et al.* 1988). Goudreau *et al.* (1988) found that recovery of mussel populations might not occur for up to 2 river miles (3.22 kilometers) below points of chlorinated sewage effluent. Most of the water bodies where Appalachian elktoe still exist have relatively few point source discharges within the watershed and are rated as having "good" to "excellent" water quality by the North Carolina Division of Water Resources.

The introduction of exotic species, such as the Asian clam (*Corbicula fluminea*) and zebra mussel (*Dreissena polymorpha*), has also been shown to pose significant threats to native freshwater mussels. The Asian clam is now established in most of the major river systems in the United States (Fuller and Powell 1973). At the time the Appalachian elktoe was listed, the Asian clam was not known from the stretch of the Little Tennessee River that it occupies; however, it has been observed in the Little Tennessee River in recent years and, as mentioned earlier, may be a contributing factor to the decline of that population. Concern has been raised over competitive interactions for space, food, and oxygen between this species and native mussels, possibly at the juvenile stages (Neves and Widlak 1987). When the Appalachian elktoe was listed, it was speculated that, due to its restricted distribution, it "may not be able to withstand vigorous competition" (Service 1996).

4. Environmental Baseline

The environmental baseline includes the past and present impacts of all Federal, State, or private actions and other human activities in the action area, the anticipated impacts of all proposed Federal projects in the action area that have already undergone formal or early section 7 consultation, and the impact of State or private actions which are contemporaneous with the consultation in process [50 CFR §402.02].

The project action area contains the existing bridges and the roadway approaches, along with the existing utilities and is located in the Environmental Protection Agency Blue Ridge Ecoregion in western North Carolina, southwest of the town of Canton (Figure 1, Appendix A). The East and West Forks of the Pigeon River occur within the Pigeon River subbasin (HUC8 #06010106) of the French Broad River Basin. The land cover in the action area is open water, developed/open space (including the roadways and bridges), mixed forest, and agricultural. More specifically, Bridge No. 169 on WFPR is bordered on the east side by a stone yard and on the west by a residence and by agricultural fields. Bridge No. 170 on EFPR is bordered to the east and west by sparse trees, open fields, and disperse residences. NC Highway 110 (Pisgah Drive), a two-lane highway, runs north to south between the two

bridges and creates the intersection for Sonoma Road on the west side and Max Thompson Road on the east side.

Review of the North Carolina Section 303(d) 2022 list, from the North Carolina Department of Environmental Quality (NCDEQ) indicated two impaired streams occur within a five-mile aerial buffer of the action area (NCDEQ 2022). Inman Branch, a tributary to the WFPR located 3.5 stream miles (SM) upstream of the action area, is listed for turbidity. The Pigeon River, located approximately 6.0 SM downstream of the action area, is listed for Benthos. There are no 303(d) listed streams in the EFPR watershed.

According to the NCDEQ (2024), there are five National Pollutant Discharge Elimination System (NPDES) permitted dischargers within a five-mile aerial radius buffer of the HB-0023 action area, one of which discharges into the downstream extent of the EFPR portion of the action area (Pigeon Valley Rest Home). One minor discharger, the Bethel School Wastewater Treatment Plant (WWTP), is located in a tributary to the WFPR, approximately 0.9 miles upstream of the action area. The Springdale Country Club is located 6 miles upstream on the EFPR. The two general permits for the Sunburst Trout Company are included in this analysis as they discharge directly into the WFPR 6.5 miles upstream from the action area.

4.1 Appalachian Elktoe Within the Action Area

According to NC Natural Heritage Program (NCNHP 2024) records, Appalachian Elktoe Element Occurrence (EO) ID 13495 currently occupies habitat upstream and downstream of Bridge Nos. 169 and 170, totaling 10.2 SM of the WFPR and Pigeon River and 1.1 SM of the EFPR (Figure 2). NCNHP describes EO ID# 13495 as occurring from east central Haywood County and consists of the WFPR from its confluence with Inman Branch downstream to its confluence with the EFPR and continues in the Pigeon River to 0.2 SM upstream of the NC 215 (Blackwell Drive) crossing, just northwest of Canton (NCNHP 2024). The earliest NCNHP record for EOID 13495 is from May 1914. Although the Pigeon River population was not believed to be extant at the time of ESA listing, it was rediscovered in the 1990's and has been found in subsequent surveys upstream from Canton. The species now appears to be established over a much broader area of the Pigeon River and WFPR (USFWS 2017) that extends further upstream than the labeled EO indicates.

Bridge No. 169 in WFPR occurs within designated critical habitat (Unit 5) for Appalachian elktoe. The Service's Appalachian elktoe 2022 Status Review notes, "...population is affected by rural and agricultural activity in its watershed, but the population appears to be stable and reproducing." (Service 2022b). Critical habitat Unit 5 includes roughly 6.3 stream miles of the WFPR, mostly upstream from Bridge No. 169, and almost five stream miles of the Pigeon River downstream from Bridge No. 169.

Mussel surveys were conducted by Three Oaks Engineering (Three Oaks) on multiple occasions over the past two+ years. Detailed information and survey reports are available in the BA and its appendices. A synopsis is provided here. Surveys occurred at Bridge No. 169 in WFPR on October 11, 2022, during which 52 Appalachian elktoe were found, and on October 25, 2023 during which 97 Appalachian elktoe were identified in a targeted survey of the best habitat area. Several of the physical and biological features of optimal Appalachian elktoe habitat are present within the action area at Bridge No. 169, especially in the area where most of the individuals were located, approximately 500 ft downstream of the bridge along the left descending side of the channel. Service and state biologists visually surveyed the Bridge No. 169 location after the September 2024 Hurricane Helene high flow event. Appalachian elktoe were observed in the action area in comparable numbers to those seen prior to the flooding and

no major changes in habitat were observed. The estimated number of Appalachian elktoe within the WFPR at Bridge No. 169 is based on the previous surveys within the 500m portion of the river at that location as well as on personal communication with Jason Mays in 2024. Because nearly 100 mussels were detected within 400m downstream of the bridge, and because few to no mussels are expected within the 100 m upstream of the bridge, and assuming a 25% capture rate (Jason Mays, personal communication, 2024), approximately 400 Appalachian elktoe are estimated to occur within the WFPR Bridge No. 169 action area, primarily downstream of the bridge. Within the construction footprint, including causeway area, approximately 10-20 Appalachian elktoe are estimated to be present. (Jason Mays, personal communication, 2024). Three Oaks conducted a mussel survey at Bridge 170 in EFPR on October 25, 2023 and no freshwater mussels were found. While the 2023 survey did not detect the Appalachian elktoe in the action area within EFPR, the species has been reported from the lower reaches of the EFPR as recently as 2016 (NCWRC 2023) and low mussel detectability rates suggest Appalachian Elktoe are likely still present but in low abundance within the EFPR. That said, based on surveys and on habitat conditions, no Appalachian elktoe are currently expected within the EFPR Bridge No. 170 action area.

Land use surrounding the EFPR action area is similar to the WFPR action area, with overall low percentages of development and agriculture, however, there is no equivalent to Lake Logan on the EFPR. Lake Logan, upstream of the WFPR action area, likely helps attenuate the effects of high-flow events on downstream habitat. The main observed difference between the WFPR and the EFPR was the apparent effects of past flooding that were not observed in the WFPR. Tropical Storm Fred likely resulted in extreme flows in both rivers in the action area; however, only the EFPR appeared to have been negatively impacted by severe erosion/scour and channel instability. As the Appalachian elktoe relies on stable, clean substrates with little sediment cover, the past flooding events from Tropical Storm Fred in 2021, Hurricane Helene in 2024, and previous major weather events could have negatively affected the Appalachian elktoe that had been observed in the EFPR prior to 2021. It is likely that fish hosts transport juvenile mussels up the EFPR from the WFPR and main stem Pigeon River, but recruitment numbers remain low.

5. Effects of the Action

Under section 7(a)(2) of the Act, "effects of the action" refers to the consequences, both direct and indirect, of an action on the species or critical habitat. The effects of the proposed action are added to the environmental baseline to determine the future baseline, which serves as the basis for the determination in this Opinion. Should the effects of the Federal action result in a situation that would jeopardize the continued existence of the species, we may propose reasonable and prudent alternatives that the Federal agency can take to avoid a violation of section 7(a)(2).

5.1 Proximity of the Action, Nature of the Effect, and Disturbance Duration

Based on the description of the action and the species' biology, the following stressors to the Appalachian elktoe have been identified that may result from the actions: (1) Bridge demolition and construction and (2) riparian vegetation removal and ground disturbance. Below, each stressor is described and associated responses and rationale for the determination of effects are provided.

5.2 Effects Analysis

Direct Impacts – Direct effects are caused by the action and occur at the same time and place.

Causeways

Causeways will be needed to access the existing interior bents for demolition, as well as the construction of the new bridges. Causeways for the two bridges account for 6,256 ft² (0.14 acre) of fill between the two bridges. This breaks down to 3,553 ft² for Bridge No. 169, and 2,703 ft² for Bridge No. 170. Installation of temporary causeways may result in adverse effects to Appalachian elktoe and their fish host species due to the potential to bury individuals and harm fish host individuals or disrupt passage or other behavior while they are in place. Causeways also constrict river flows, which could potentially modify the hydrology and physical habitat conditions upstream and downstream of the respective fill areas. How causeways may impact hydrology and the physical habitat is difficult to predict. The placement of causeways will be staged and are designed to not block more than 50% of the river channel when in place to minimize potential hydrologic effects. High-flow events will likely exacerbate the influence of causeway-induced alteration of baseline hydrology and physical habitat conditions. Rock causeway material may be washed away during extremely high flow events, which may kill, crush, or bury individuals, or otherwise degrade mussel habitat downstream of the footprint. Causeways increase the risk of stream bed and bank scour. The habitat downstream of the causeways may experience higher velocities until removal. Temporary causeways may also act as physical, and high-velocity barriers to fish movement.

Disturbance and Loss of Stream Substrate

Construction on Bridge No. 169 indicates that there will be permanent impacts to the WFPR associated with the addition of two in-river bents consisting of a portion of four three-foot diameter concrete drilled piers, making up approximately 12 ft² of fill. Neither of these two bents are completely within the river. Currently, there are three in-river bents (two in WFPR, one in EFPR), totaling approximately 50 ft². An overall reduction of approximately 17 ft² of in-river bent dimensions will occur with this project.

Plans for Bridge No. 170 indicate the need to fill a depression and restore the left streambank within the EFPR, which would be filled with class II riprap. Approximately 1,904 ft² (0.05 acre) of river bottom would be covered to fill this depression and restore this bank. However, the depression was created by scour forces which are likely to continue eroding the riverbed. The scour hole is currently unlikely to support Appalachian elktoe individuals; however, some may end up being deposited there as a result of them being dislodged from upstream habitat during high flow events. Additional permanent impacts would include the one in-river bent, making up an additional 21 ft² of permanent fill.

Alteration of Flows and Channel Stability

The initial construction of a bridge is known to cause changes in the flow of the stream and corresponding erosive processes that can alter the adjacent habitat. Channel instability occurs when scour results in degradation or when sediment deposition leads to aggradation (Rosgen 1996). The design of the new Bridge No. 169 proposes in-river bents that are closer to the banks than the existing two bents. Bridge No. 170's design proposes using the same location for the in-river bent as the existing bridge, with the scour hole being filled and streambank restored. Since the bridges are being replaced in the same locations, any alteration of flows and channel stability associated with the new structures are anticipated to be minor and localized. Also, the reduction of the amount of permanent fill from in-water bents may slightly improve the physical and hydrologic conditions in the vicinity of the respective bridges. That said, altering the existing in-water structures has the potential to create flow instability which could impact downstream habitat.

Demolition

Appalachian elktoe could be directly affected by various construction materials, (i.e. pieces of the old bridge, construction equipment, etc.) inadvertently falling into the river during the demolition of the two

bridges. The use of top-down demolition and plans to remove existing bridges in as few pieces as possible will reduce this potential.

Access Roads

Temporary access roads for bridge construction are proposed for the project. If not maintained properly, access roads could transport sediment into waterways until disturbed slopes become stabilized with riprap, matting, or other measures. The potential effects to freshwater mussel habitat could be long-lasting if riverbed habitat becomes covered with sediment. Additionally, material used for temporary accesses can bury and suffocate freshwater mussel individuals both in the immediate construction area and downstream where sediment is carried downstream. Access road designs will use DSSW (NCDOT 2020b) to help avoid and mitigate these effects.

In summary of the above stressors, increases in turbidity and sedimentation within the action area during demolition and construction are expected. This can occur from in-water work and from the erosion of bare soil in and surrounding the construction zone, especially during heavy rain events. Sediment accumulations of less than one inch have been shown to cause high mortality in most mussel species (Ellis 1936). Adverse effects to mussels resulting from the accumulation of sediments include smothering, disruption of feeding and breeding activity, alteration of habitat, or some combination. Sediment and erosion control (SEC) devices, when properly designed and maintained, are expected to greatly reduce influxes of turbidity; however, heavy rain events can exceed SEC capacity, resulting in sediment releases which degrade mussel habitat in the vicinity.

Accidental Spills

The inadvertent spill or discharge of toxic pollutants, such as diesel fuel, hydraulic oil, and uncured concrete into the WFPR and EFPR could occur during demolition and construction activities and result in mortality of Appalachian elktoe. The type, timing, amount, and proximity to the river of any accidental spills would determine the magnitude of effect to Appalachian elktoe, but may result in death, disrupt feeding or reproductive behaviors, influence animals to expend energy to relocate to more favorable habitats, or otherwise reduce fitness. Significant spills resulting from negligent operation are possible, but unlikely to occur. Adhering to measures outlined in the AMMs and CMs will minimize the potential for accidental spills to occur.

Given these actions and associated impacts and stressors discussed above, the demolition and construction of these bridge projects, specifically Bridge No. 169 in WFPR, is likely to adversely affect (LAA) Appalachian elktoe and take is expected. Take may occur in the form of killing, wounding, or harming individuals of the species.

Indirect Impacts – Indirect effects are defined as those that are caused by the proposed action and are later in time but are still reasonably certain to occur (50 CFR 402.02).

Operational Effects

Because this project is limited to the replacement of two existing bridges and their approaches, which will not result in changes to traffic volumes, any operational effects above the existing baseline conditions are not expected to occur; or, if they do occur, are expected to be minimal. Factors including roadway runoff (which will be reduced via the stormwater drainage design of the new bridges), chance of toxic spills, and roadway maintenance are all believed to remain relatively the same for the replacement structures. Post construction, the decrease in the in-stream footprint of the river bents on Bridge No. 169 (two to zero) and net removal of fill from the riverbank should result in instream flow improvement from the baseline conditions, which may have beneficial effects on Appalachian elktoe habitat within the action area.

Beneficial Impacts – Beneficial effects have contemporaneous positive effects without any adverse effects to the species or habitat. See previous paragraph regarding the potential for decreased in-stream footprint and decreased riverbank fill at Bridge No. 169 in WFPR to serve as beneficial improvements for Appalachian elktoe habitat compared to the current conditions.

5.3 Cumulative Effects

Cumulative effects are defined as "those effects of future state or private activities, not involving Federal activities, that are reasonably certain to occur within the action area of the Federal action subject to consultation" (50 CFR 402.02). Future federal actions unrelated to the proposed action are not considered because they require separate consultation pursuant to Section 7 of the Act.

These bridge replacements are not expected to induce land development or substantially change the function of the roadways. Any potential effects are anticipated to be localized and consistent with baseline land use patterns. The Service is not aware of any other future state, local, or private actions that are reasonably certain to occur within the action area that would not be subject to Section 7 review. Therefore, cumulative effects, as defined by the Act, will not occur and will not be addressed further in the Opinion.

6. Conclusion

After reviewing the current status of Appalachian elktoe, the environmental baseline for the action area and the effects analysis, it is the Service's biological opinion that the proposed action is not likely to jeopardize the continued existence of the species. This opinion is based on the following factors: Effects of the action occur as a result the planned replacement of Bridge No. 169 in WFPR and Bridge No. 170 in EFPR. The species occurs in approximately 162 river miles in western North Carolina and Eastern Tennessee; thus, impacts are likely to be limited to about 0.2% of the range-wide occupied habitat. Bridge demolition and construction activities are likely to negatively affect Appalachian elktoe within the action area, but the incorporated conservation measures are expected to reduce impacts; notably, relocation efforts that could remove and relocate individual mussels prior to work taking place. Critical habitat for this species has been designated at locations on the Cheoah, Little Tennessee, Tuckasegee, Little, and Pigeon rivers and includes the Bridge No. 169 location in WFPR. Based on the information presented in the BA and knowledge of the action area and surrounding portions of the Pigeon River, the project will not result in adverse modification (that is, "...no direct or indirect alteration that appreciably diminishes the value of critical habitat as a whole for the conservation of listed species" (50 CFR §402.02)) to Appalachian elktoe designated critical habitat.

7. Incidental Take Statement

Section 9 of the Endangered Species Act and Federal regulations pursuant to section 4(d) of the Endangered Species Act prohibit the take of endangered and threatened species, respectively, without special exemption. Take "*means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct*" (16 U.S.C §1532). Harm is further defined by the Service as "*an act which actually kills or injures wildlife. Such act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering*" (50 CFR 17.3). Incidental taking "*means any taking otherwise prohibited, if such taking is incidental to, and not the purpose of, the carrying out of an otherwise lawful activity*" (50 CFR 17.3). Harass is defined by the Service as "*an intentional or negligent act or omission which creates the likelihood of injury to wildlife by annoying it to such an*

extent as to significantly disrupt normal behavior patterns which include, but are not limited to, breeding, feeding or sheltering” (50 CFR 17.3). Incidental take is defined as take that is incidental to, and not the purpose of, the carrying out of an otherwise lawful activity. Under the terms of section 7(b)(4) and section 7(o)(2), taking that is incidental to, and not intended as part of, the agency action is not considered to be prohibited under the Endangered Species Act, provided that such taking is in compliance with the terms and conditions of this Incidental Take Statement.

7.1 Amount of Take for Appalachian Elktoe

The Service anticipates incidental take of the Appalachian elktoe may occur as a result of the demolition and construction of Bridge No. 169 over the WFPR. Specifically, take of the species may occur as a result of 1) riverbed disturbance in the form of bent removal and causeway construction, operation, and removal, 2) the resulting river instability, scour, sediment movement, and turbidity produced from those activities, and 3) bridge demolition and construction activities around the crossing. During these activities, individual mussels may be crushed; harmed by increases in turbidity and scour, sediment movement, or other water quality degradation; or dislocated because of physical changes in their habitat. These impacts are expected to occur primarily at the Bridge No. 169 West Fork Pigeon River crossing within the construction footprint, with the potential for more minor impacts to occur 100 meters upstream and 400 meters downstream of the current bridge location.

Incidental take of Appalachian elktoe is difficult to measure or detect given that 1) mussels are small, aquatic, cryptic, and generally difficult to observe, 2) finding dead or injured mussels during or following project implementation is unlikely, 3) some incidental take is in the form of non-lethal harm and not directly observable; and 4) losses may be masked by seasonal fluctuations in numbers or other causes. Given this, the amount of direct riverbed disturbance in square feet and the amount of river habitat affected by visible sediment, in linear meters, are used as surrogate measures of take for this Opinion. Additionally, as discussed in the Environmental Baseline, 10-20 Appalachian elktoe are estimated to be present within the construction footprint immediately surrounding the bridge and causeway location of Bridge No. 169 (Jason Mays, personal communication, 2024), and will be relocated if found prior to construction in an effort to reduce mortality.

Therefore, the incidental take exempted by the Opinion would be exceeded if:

1. The construction footprint (placement of permanent fill, causeways, and associated actions) exceeds 3,565 square feet of riverbed at Bridge No. 169.
2. Any physical riverbed disturbance or visible sedimentation occur outside of the 100-meter upstream or 400-meter downstream action area surrounding the Bridge No. 169 project location, as described above.
3. Greater than twenty Appalachian elktoe are taken as a result of project actions. The majority of individuals at the Bridge No. 169 location are expected to be relocated, though some may be missed during those efforts and may then be taken due to construction actions.

Exceedance of take as defined by 1 – 3 above will represent new information that was not considered in this Opinion and shall result in reinitiation of this consultation. The incidental take of Appalachian elktoe is expected to be in the form of harm, wounding, or death. In this Opinion, the Service determined that this level of anticipated take is not likely to result in jeopardy to the species.

7.2 Reasonable and Prudent Measures

The Service believes the following reasonable and prudent measure(s) are necessary and appropriate to minimize take of Appalachian elktoe. These non-discretionary measures reduce the level of take

associated with project activities and include only actions that occur within the action area.

1. NCDOT shall ensure that the contractor(s) understands and follows the measures listed in the “Conservation Measures”, “Reasonable and Prudent Measures,” and “Terms and Conditions” sections of this Opinion.
2. NCDOT shall minimize the area of disturbance within the action area to only the area necessary for the safe and successful implementation of the proposed action.
3. NCDOT shall monitor and document any take numbers and the surrogate measures of take and report those to the Service.

7.3 Terms and Conditions

In order to be exempt from the prohibitions of section 9 of the Act, the Applicant must comply with the following terms and conditions, which implement the reasonable and prudent measures described above and outline required reporting and/or monitoring requirements. When incidental take is anticipated, the terms and conditions must include provisions for monitoring project activities to determine the actual project effects on listed fish or wildlife species (50 CFR §402.14(i)(3)). These terms and conditions are nondiscretionary. If this conference opinion is adopted as a biological opinion following a listing or designation, these terms and conditions will be non-discretionary.

1. NCDOT shall adhere to all measures listed in the Conservation Measures section as summarized in this Opinion.
2. NCDOT will invite the Service (at least seven days prior) to the preconstruction meeting to review permit conditions regarding implementation of the project.
3. The NCDOT will immediately inform the Service if the amount or extent of incidental take in the incidental take statement is exceeded.
4. When incidental take is anticipated, the terms and conditions must include provisions for monitoring project activities to determine the actual project effects on listed fish or wildlife species (50 CFR §402.14(i)(3)). In order to monitor the impacts of incidental take, the NCDOT must report the progress of the action and its impact on the species to the Service as specified in the incidental take statements.
 - a. NCDOT shall notify the Service when the project goes to construction and shall provide the Service with results of the monitoring for surrogate measures of take upon completion of the project, or at an earlier time if necessary.

8. Conservation Recommendations

Section 7(a)(1) of the Endangered Species Act directs Federal agencies to use their authorities to further the purposes of the Endangered Species Act by carrying out conservation programs for the benefit of endangered and threatened species. Conservation recommendations are discretionary agency activities to minimize or avoid adverse effects of a proposed action on listed species or critical habitat, to help implement recovery plans, or to develop information.

- **Riparian Replanting:** Because the removal of forested riparian habitat can affect the water quality for aquatic organisms, we recommend replanting the riparian zone with native, fast-growing trees and shrubs that would serve to stabilize the stream bank, filter runoff and reduce erosion and sedimentation, block light pollution, and generally improve the quality of the habitat for aquatic species. Examples of potential native tree species to plant include: Sycamore, tulip poplar, black cherry and river birch. Planting with established (e.g. containerized) young trees can increase the survival rate of plantings and contribute to faster improvement of riparian habitat.

- **Provide Terrestrial Wildlife Passage:** Where riparian corridors suitable for wildlife movement occur adjacent to a project, a spanning structure that also spans a portion of the floodplain and provides or maintains a riprap-free level path underneath for wildlife passage would provide a safer roadway and facilitate wildlife passage. A 10-foot strip may be ideal, though smaller widths can also be beneficial. Alternatively, a “wildlife path” can be constructed with a top-dressing of finer stone (such as smaller aggregate or on-site alluvial material) to fill riprap voids if full bank plating is required. If a multi-barrel culvert is used, the low flow barrel(s) should accommodate the entire stream width and the other barrel should have sills to the floodplain level and be back-filled to provide dry, riprap-free wildlife passage and well as periodic floodwater passage.

For the Service to be kept informed of actions minimizing or avoiding adverse effects or benefitting listed species or their habitats, we request notification of the implementation of any conservation recommendations.

9. Reinitiation Notice

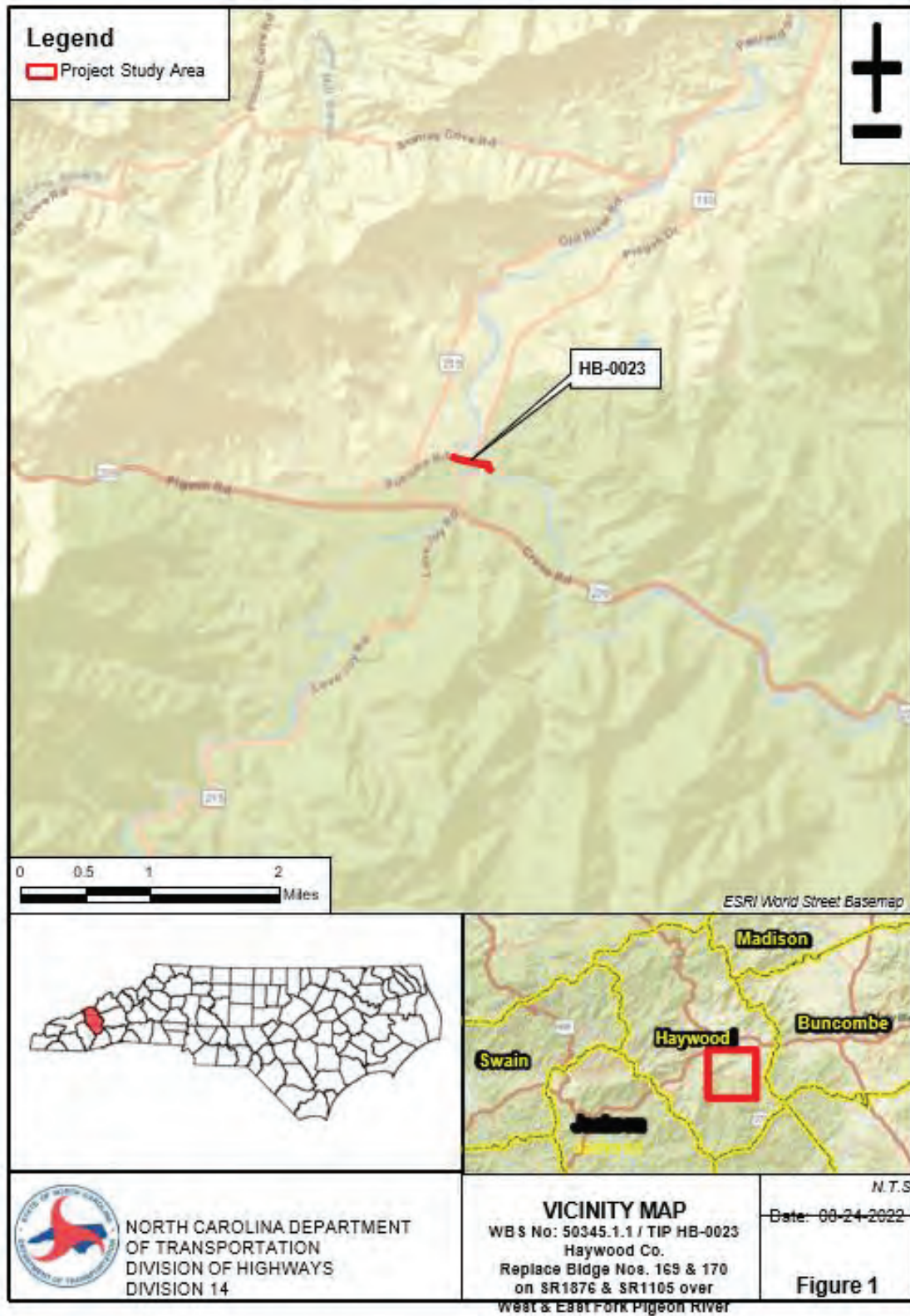
This concludes formal consultation on the action(s) outlined in the consultation request dated July 24, 2023. As provided in 50 CFR §402.16, reinitiation of formal consultation is required where discretionary Federal agency involvement or control over the action has been retained (or is authorized by law) and if: (1) the amount or extent of incidental take is exceeded; (2) new information reveals effects of the agency action that may affect listed species or critical habitat in a manner or to an extent not considered in this opinion; (3) the agency action is subsequently modified in a manner that causes an effect to the listed species or critical habitat not considered in this opinion; or (4) a new species is listed or critical habitat designated that may be affected by the action. In instances where the amount or extent of incidental take is exceeded, any operations causing such take must cease pending reinitiation.

Literature Cited

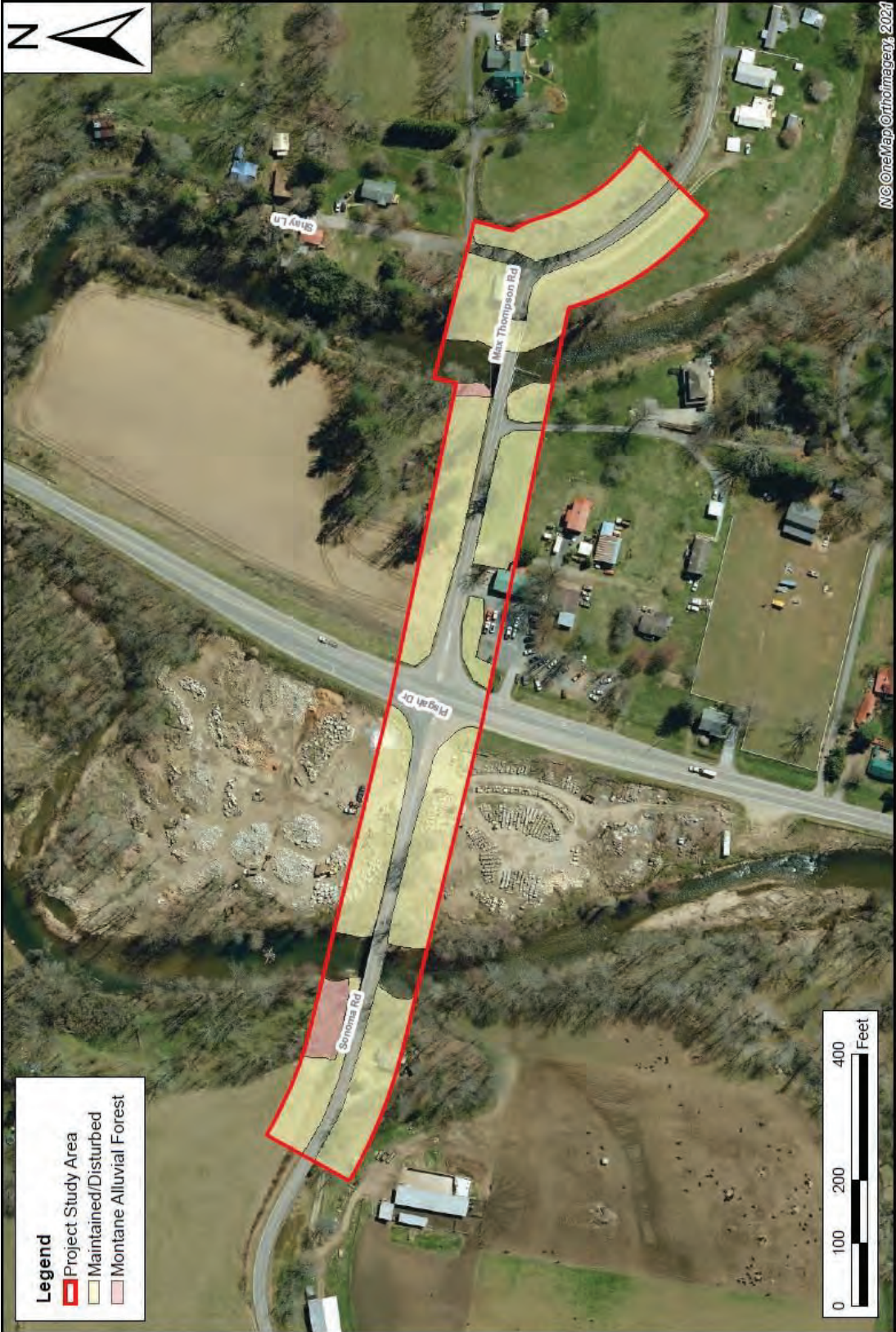
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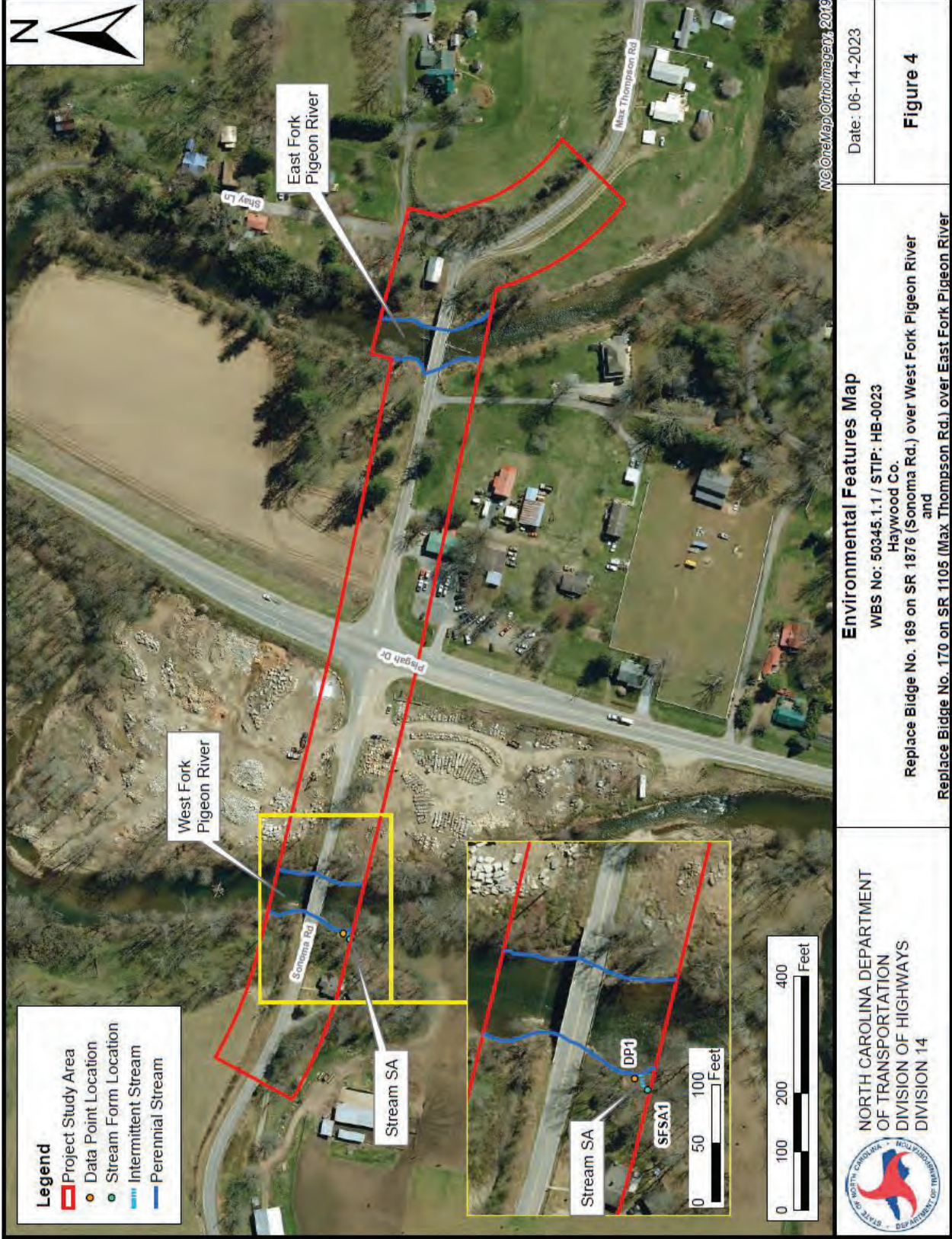
Appendix A. Figures





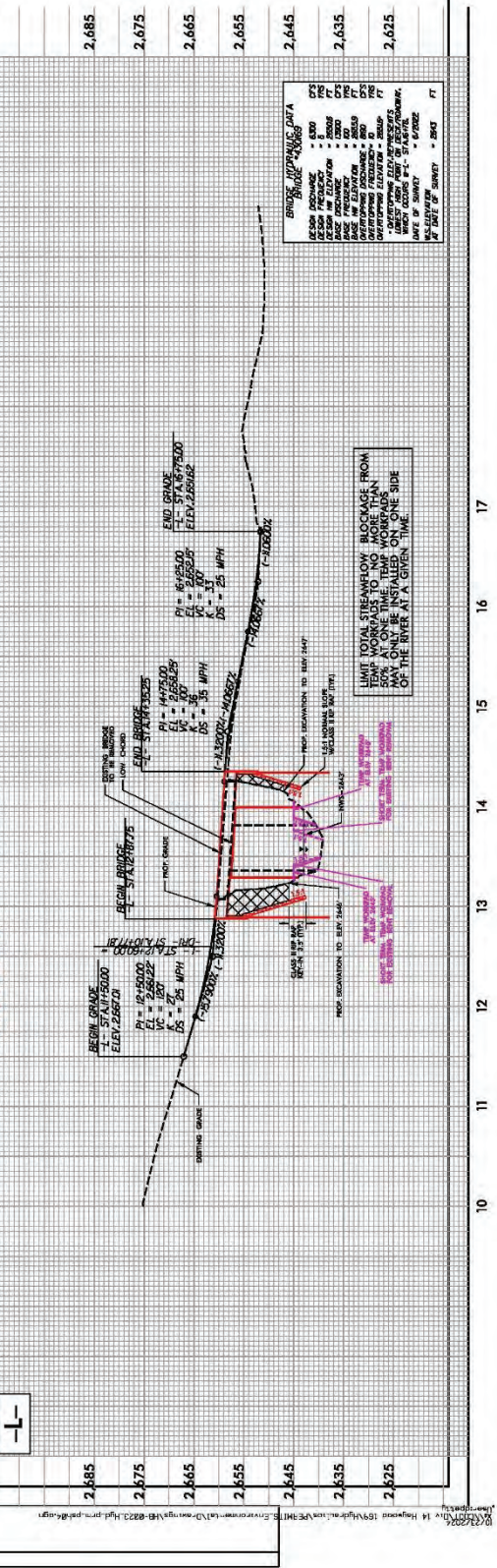
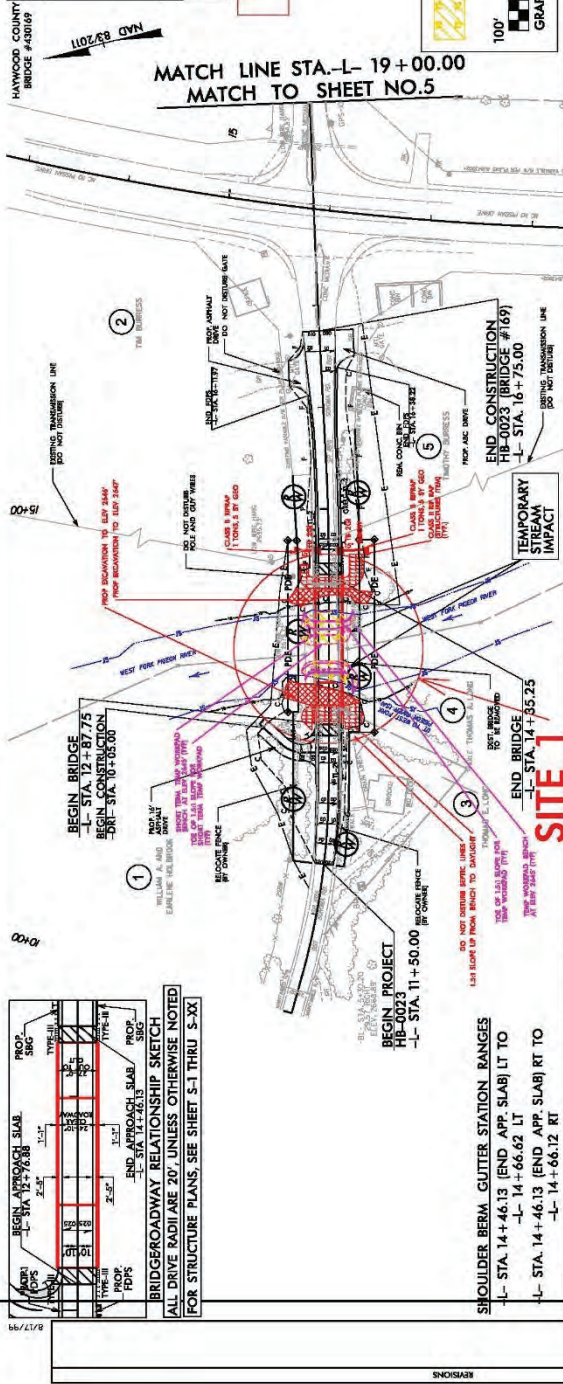


NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 14	Natural Communities Map WBS No: 50345.1.1 / TIP: HB-0023 Haywood Co. Replace Bidge No. 169 on SR 1876 (Sonoma Rd.) over West Fork Pigeon River and Replace Bidge No. 170 on SR 1105 (Max Thompson Rd.) over East Fork Pigeon River	Date: 08-24-2022 Figure 3
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HAYWOOD COUNTY BRIDGE #43049	
PROJECT NO. HB-0023	SHEET NO. 4
DRAWING DESIGN DATE	
FOR SCALE	

**PERMIT DRAWING
SHEET 2 OF 6**





DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, WILMINGTON DISTRICT
WILMINGTON REGULATORY OFFICE
69 DARLINGTON AVENUE
WILMINGTON NORTH CAROLINA 28403

December 19, 2024

Regulatory Program/Division

Sent Via email: pjbreedlove@ncdot.gov

North Carolina Department of Transportation
Attn: Mr. Patrick Breedlove
253 Webster Road
Sylva, NC 28779

Dear Mr. Breedlove:

This letter is in response to your request to the Wilmington District, WRDA / Transportation Branch, for a preliminary jurisdictional determination (PJD). The project begins where Sonoma Road (SR 1876) crosses West Fork Pigeon River and extends east to where Max Thompson Road (SR 1876) crosses East Fork Pigeon River in Canton, Haywood County, North Carolina, at Latitude 35.476580 and Longitude -82.884370. This project has been assigned the file number SAW-2024-01647 (HB0023, Br 169 and 170 replacement project). This file number should be referenced in all correspondence concerning this project.

Based on our review of the information you furnished, and other information available to our office, we have preliminarily determined the above-referenced area may contain approximately 370 lf of waters of the United States under the U.S. Army Corps of Engineers (Corps) regulatory jurisdiction. These waters are identified in the enclosed site maps. This determination was made in accordance with the Corps regulatory authority pursuant to Section 404 of the Clean Water Act, and based upon criteria contained in the 1987 Corps of Engineers Wetland Delineation Manual and the Eastern Mountains and Piedmont regional supplement.

Section 404 of the Clean Water Act requires a Department of the Army (DA) permit be obtained prior to the discharge of dredged or fill material into waters of the United States, including wetlands. Section 10 of the Rivers and Harbors Act of 1899 requires a DA permit be obtained for any work in, on, over or under navigable waters of the United States.

For purposes of computation of impacts, compensatory mitigation requirements, and other resource protection measures, a permit decision made based on a preliminary jurisdictional determination will treat all waters including wetlands that would be affected in any way by the permitted activity on the site as if they are jurisdictional waters of the U.S. This preliminary determination is not an appealable action under the Regulatory

Program Administrative Appeal Process (Reference 33 CFR Part 331). However, you may request an approved jurisdictional determination, which is an appealable action, by contacting the Corps district for further instructions.

This determination has been conducted to identify the limits of Corps' Clean Water Act jurisdiction for the review area identified in this request. The determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985. If you or your tenant are USDA Program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service, prior to starting work.

You are cautioned that work performed in areas which may be waters of the United States, as indicated in the preliminary JD, without a Department of the Army permit could subject you to enforcement action.

If you have any questions concerning this correspondence, please contact Crystal Amschler, WRDA Project Manager of the WRDA at 828-526-6013, by mail at the above address, or by email at crystal.c.amschler@usace.army.mil. Please take a moment to complete our customer satisfaction survey located at <https://regulatory.ops.usace.army.mil/customer-service-survey/>.

Sincerely,

A handwritten signature in black ink that reads "M. Scott Jones". The signature is fluid and cursive, with the first letters of each word being capitalized and prominent.

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

Enclosures

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

Applicant: North Carolina Department of Transportation	File Number: SAW-2024-01647	Date: 12/18/2024
Attached is:		See Section below
☐	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
☐	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
☐	PERMIT DENIAL WITHOUT PREJUDICE	C
☐	PERMIT DENIAL WITH PREJUDICE	D
☐	APPROVED JURISDICTIONAL DETERMINATION	E
☒	PRELIMINARY JURISDICTIONAL DETERMINATION	F

SECTION I

The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at <https://www.usace.army.mil/Missions/Civil-Works/Regulatory-Program-and-Permits/appeals/> or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C. PERMIT DENIAL WITHOUT PREJUDICE: Not appealable

You received a permit denial without prejudice because a required Federal, state, and/or local authorization and/or certification has been denied for activities which also require a Department of the Army permit before final action has been taken on the Army permit application. The permit denial without prejudice is not appealable. There is no prejudice to the right of the applicant to reinstate processing of the Army permit application if subsequent approval is received from the appropriate Federal, state, and/or local agency on a previously denied authorization and/or certification.

D: PERMIT DENIAL WITH PREJUDICE: You may appeal the permit denial

You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information for reconsideration

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice means that you accept the approved JD in its entirety and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.
- **RECONSIDERATION:** You may request that the district engineer reconsider the approved JD by submitting new information or data to the district engineer within 60 days of the date of this notice. The district will determine whether the information submitted qualifies as new information or data that justifies reconsideration of the approved JD. A reconsideration request does not initiate the appeal process. You may submit a request for appeal to the division engineer to preserve your appeal rights while the district is determining whether the submitted information qualifies for a reconsideration.

F: PRELIMINARY JURISDICTIONAL DETERMINATION: Not appealable

You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also, you may provide new information for further consideration by the Corps to reevaluate the JD.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision you may contact:

District Engineer, Wilmington Regulatory Division
Attn: Crystal Amschler
Wilmington District U.S. Army Corps of Engineers
151 Patton Ave Rm 208
Asheville, NC 28801

If you have questions regarding the appeal process, or to submit your request for appeal, you may contact:

Krista Sabin
Regulatory Administrative Appeal Review Officer
U.S. Army Corps of Engineers
South Atlantic
60 Forsyth Street SW Room 9M 15
Atlanta, Georgia 30303-8801

Phone: 904-314-9631

Email: Krista.D.Sabin@usace.army.mil

SECTION II – REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. Use additional pages as necessary. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15-day notice of any site investigation and will have the opportunity to participate in all site investigations.

Signature of appellant or agent.	Date:
Email address of appellant and/or agent:	Telephone number:

PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PJD: #CURRENT_DATE_TRADITIONAL#

B. NAME AND ADDRESS OF PERSON REQUESTING PJD:

NC Department of Transportation – Division 14: Patrick Breedlove, 253 Webster Road, Sylva, NC 28779

C. DISTRICT OFFICE, FILE NAME, AND NUMBER: Charlotte District

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:). The North Carolina Department of Transportation (NCDOT) proposes to replace bridge 430169 on SR 1876 (Sonoma Road) over West Fork Pigeon River and replace bridge 430170 on SR 1105 (Max Thompson Road) over East Fork Pigeon River (STIP HB-0023) in Haywood County.

E. (USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR AQUATIC RESOURCES AT DIFFERENT SITES)

State: North Carolina County/parish/borough: Haywood County City: Canton

Center coordinates of site (lat/long in degree decimal format): Lat.: 35.4761, Long: -82.8811

Universal Transverse Mercator: Zone 17S 329336 3927469

Name of nearest waterbody: West Fork Pigeon River and East Fork Pigeon River

F. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☐ Office (Desk) Determination. Date:

☐ Field Determination. Date(s):

TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH "MAY BE" SUBJECT TO REGULATORY JURISDICTION.

Site Number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resources in review area (acreage and linear feet, if applicable)	Type of aquatic resources (i.e., wetland vs. non- wetland waters)	Geographic authority to which the aquatic resource "may be" subject (i.e., Section 404 or Section 10/404)
West Fork Pigeon River	35.4765	-82.8843	160 LF	Non- wetland	Section 404
SA	35.4764	-82.8846	18 LF	Non- wetland	Section 404
East Fork Pigeon River	35.4761	-82.8811	192 LF	Non- wetland	Section 404

- 1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.
- 2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre- construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there *"may be"* waters of the U.S. and/or that there *"may be"* navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for PJD (check all that apply)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

- ☒ Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:
Map: Figure 3- PJD Map
- ☒ Data sheets prepared/submitted by or on behalf of the PJD requestor.
- ☐ Office concurs with data sheets/delineation report.
- ☐ Office does not concur with data sheets/delineation report. Rationale: _____
- ☐ Data sheets prepared by the Corps: _____
- ☐ Corps navigable waters' study: _____
- ☐ U.S. Geological Survey Hydrologic Atlas: _____
- ☐ USGS NHD data.
- ☐ USGS 8 and 12 digit HUC maps.
- ☒ U.S. Geological Survey map(s). Cite scale & quad name: 1:24,000 Waynesville, NC Quadrangle
- ☐ Natural Resources Conservation Service Soil Survey. Citation: _____
- ☐ National wetlands inventory map(s). Cite name: _____
- ☐ State/local wetland inventory map(s): _____
- ☐ FEMA/FIRM maps: _____
- ☐ 100-year Floodplain Elevation is: _____ (National Geodetic Vertical Datum of 1929)
- ☒ Photographs: ☒ Aerial (Name & Date): NC OneMap, 2022
or ☐ Other (Name & Date): _____
- ☐ Previous determination(s). File no. and date of response letter: _____
- ☐ Other information (please specify): _____

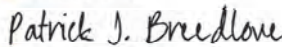
IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.



19 DEC 2024

Signature and date of Regulatory staff
member completing PJD

DocuSigned by:

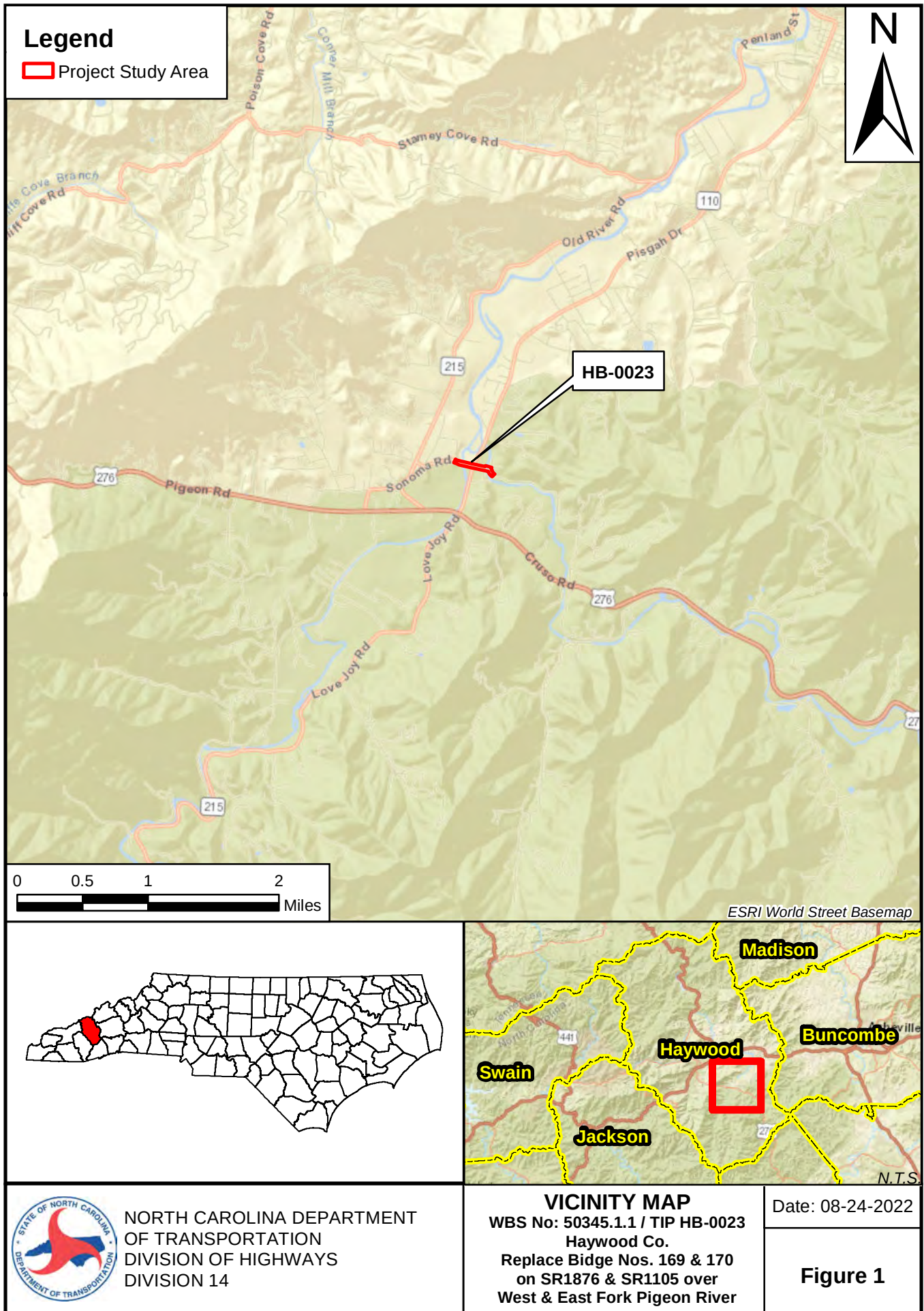


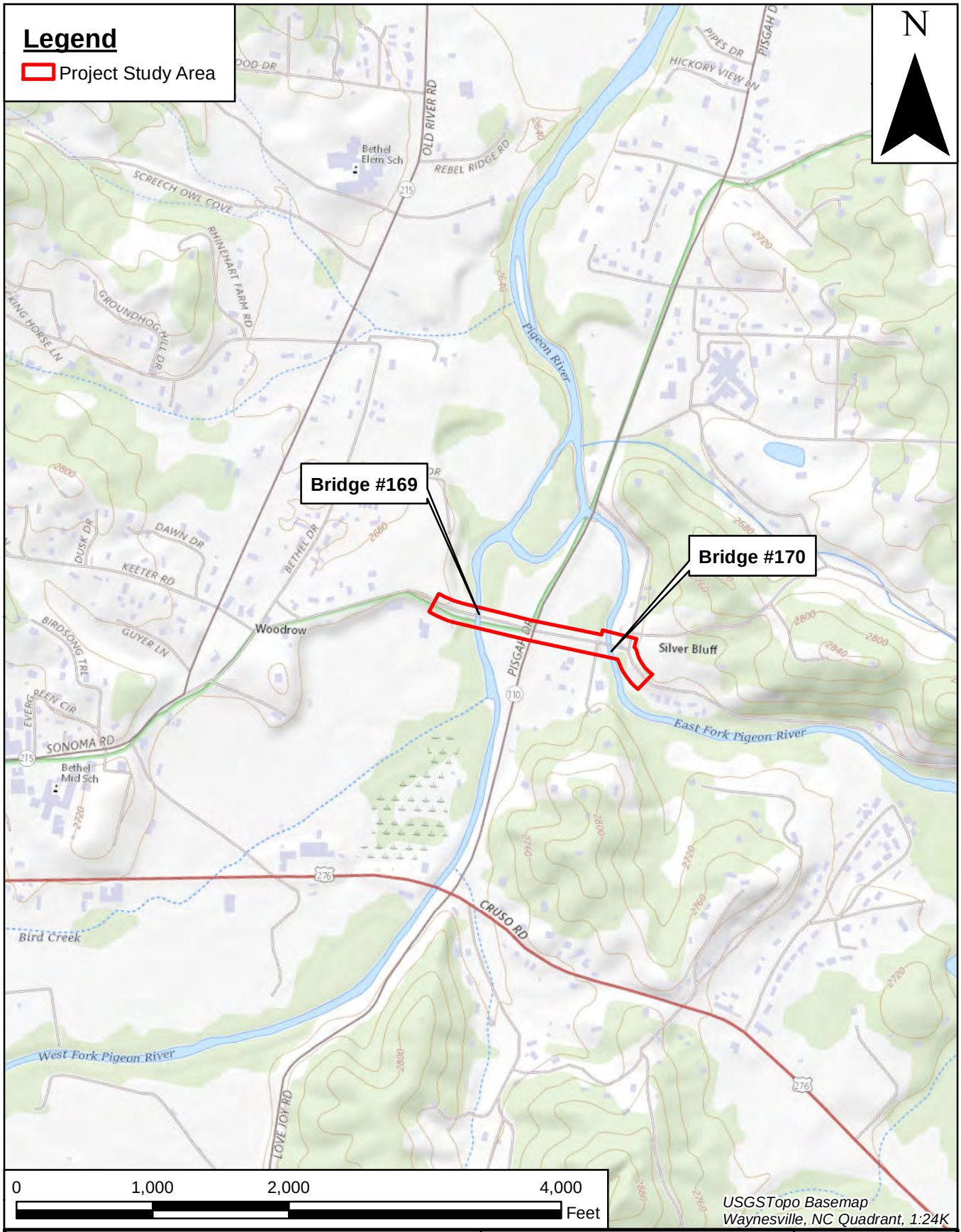
A2D4C8878C7843D

Signature and date of person
requesting PJD (REQUIRED,
unless obtaining the signature is
impracticable)¹

8/27/2024 | 11:01 AM EDT

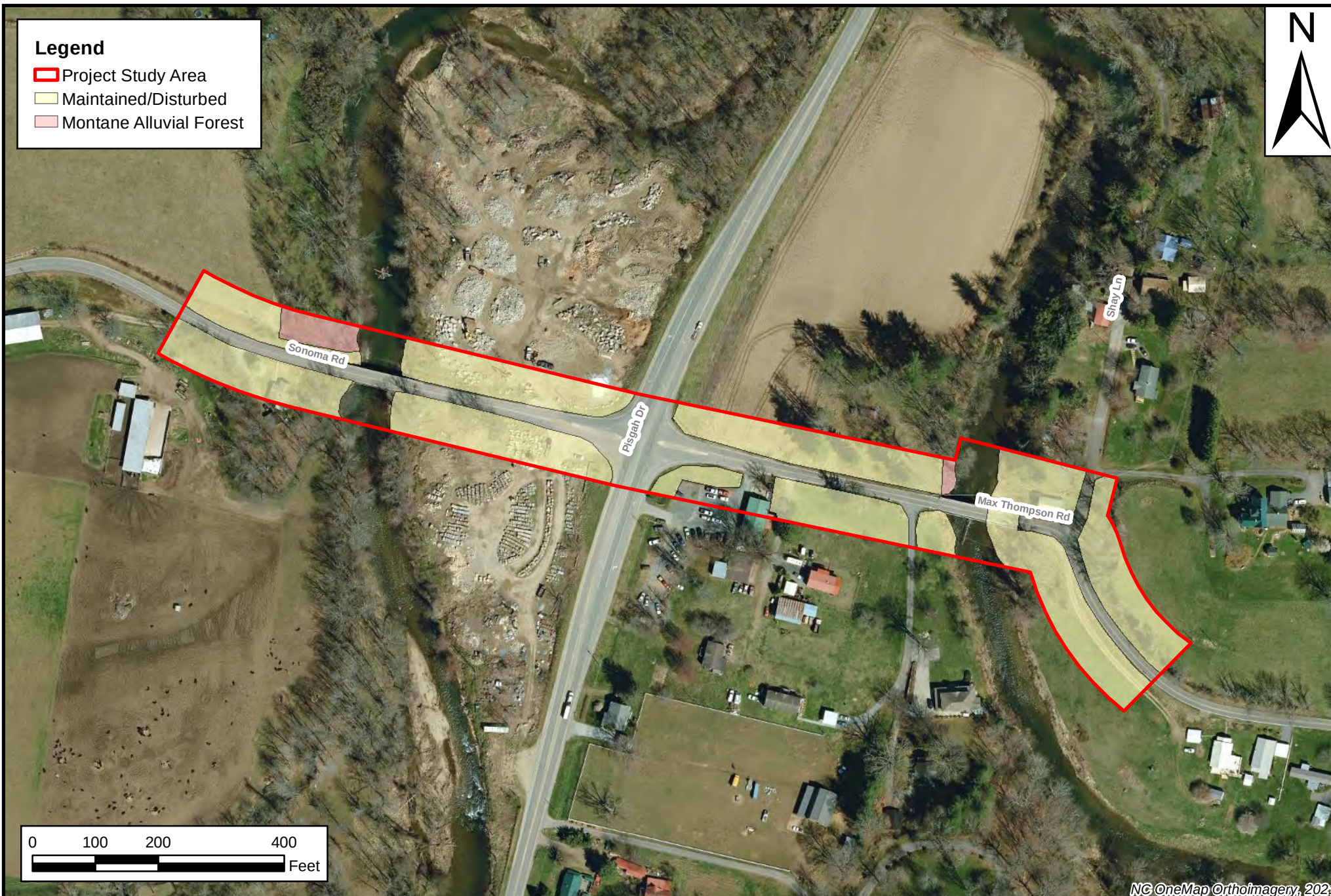
¹ Districts may establish timeframes for requester to return signed PJD forms. If the requester does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.





Legend

-  Project Study Area
-  Maintained/Disturbed
-  Montane Alluvial Forest



NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION OF HIGHWAYS
DIVISION 14

Natural Communities Map

WBS No: 50345.1.1 / TIP: HB-0023

Haywood Co.

Replace Bidge No. 169 on SR 1876 (Sonoma Rd.) over West Fork Pigeon River
and
Replace Bidge No. 170 on SR 1105 (Max Thompson Rd.) over East Fork Pigeon River

Date: 08-24-2022

Figure 3

Legend

-  Project Study Area
-  Data Point Location
-  Stream Form Location
-  Intermittent Stream
-  Perennial Stream



West Fork
Pigeon River

Sonoma Rd

Stream SA

East Fork
Pigeon River

Shay Ln

Pisgah Dr

Max Thompson Rd

Stream SA

DP1

SFSA1

0 50 100
Feet

0 100 200 400
Feet

NC OneMap Orthoimagery, 2019



NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION OF HIGHWAYS
DIVISION 14

Environmental Features Map

WBS No: 50345.1.1 / STIP: HB-0023

Haywood Co.

Replace Bidge No. 169 on SR 1876 (Sonoma Rd.) over West Fork Pigeon River
and
Replace Bidge No. 170 on SR 1105 (Max Thompson Rd.) over East Fork Pigeon River

Date: 06-14-2023

Figure 4

Letting: L250624N
06/24/2025 02:00:00 PM

North Carolina Department of Transportation
18490 - Whaley Construction, LLC

Contract ID: DN01082
Call: 001

North Carolina Department of Transportation

Letting ID: L250624N
06/24/2025 02:00:00 PM

Contract ID: DN01082
Call: 001

Line Number	Item Number	Quantity	Unit	Unit Price	Extension Price
Section 0001					
ROADWAY					
0001	0000100000-N MOBILIZATION	1.000	LS	\$380,659.0000	\$380,659.00
0002	0000400000-N CONSTRUCTION SURVEYING	1.000	LS	\$35,000.0000	\$35,000.00
0003	0043000000-N GRADING	1.000	LS	\$159,660.0000	\$159,660.00
0004	0050000000-E SUPPLEMENTARY CLEARING & GRUBBING	1.000	ACR	\$30,000.0000	\$30,000.00
0005	0057000000-E UNDERCUT EXCAVATION	800.000	CY	\$65.0000	\$52,000.00
0006	0195000000-E SELECT GRANULAR MATERIAL	800.000	CY	\$75.0000	\$60,000.00
0007	0196000000-E GEOTEXTILE FOR SOIL STABILIZATION	800.000	SY	\$10.0000	\$8,000.00
0008	0248000000-N GENERIC GRADING ITEM TYPE 1 BRIDGE APPROACH FILL, STATION 13+61.50 -L-	1.000	LS	\$22,000.0000	\$22,000.00
0009	0248000000-N GENERIC GRADING ITEM TYPE 1 BRIDGE APPROACH FILL, STATION 23+41.00 -L-	1.000	LS	\$22,000.0000	\$22,000.00
0010	0318000000-E FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	20.000	TON	\$60.0000	\$1,200.00
0011	0321000000-E FOUNDATION CONDITIONING GEOTEXTILE	60.000	SY	\$10.0000	\$600.00
0012	0335200000-E 15" DRAINAGE PIPE	88.000	LF	\$195.0000	\$17,160.00
0013	0335850000-E *** DRAINAGE PIPE ELBOWS (15")	1.000	EA	\$1,150.0000	\$1,150.00
0014	0449000000-E *** RC PIPE CULVERTS, CLASS V (24")	72.000	LF	\$225.0000	\$16,200.00
0015	0995000000-E PIPE REMOVAL	48.000	LF	\$55.0000	\$2,640.00
0016	1099500000-E SHALLOW UNDERCUT	200.000	CY	\$65.0000	\$13,000.00
0017	1099700000-E CLASS IV SUBGRADE STABILIZATION	400.000	TON	\$75.0000	\$30,000.00
0018	1112000000-E GEOTEXTILE FOR SUBGRADE STABILIZATION	600.000	SY	\$10.0000	\$6,000.00
0019	1121000000-E AGGREGATE BASE COURSE	146.000	TON	\$60.0000	\$8,760.00
0020	1220000000-E INCIDENTAL STONE BASE	100.000	TON	\$60.0000	\$6,000.00
0021	1330000000-E INCIDENTAL MILLING	400.000	SY	\$26.2500	\$10,500.00
0022	1491000000-E ASPHALT CONC BASE COURSE, TYPE B25.0C	290.000	TON	\$172.2000	\$49,938.00
0023	1519000000-E ASPHALT CONC SURFACE COURSE, TYPE S9.5B	570.000	TON	\$189.0000	\$107,730.00

0024	1575000000-E	55.000 TON	\$735.0000	\$40,425.00
	ASPHALT BINDER FOR PLANT MIX			
0025	1693000000-E	15.000 TON	\$288.7500	\$4,331.25
	ASPHALT PLANT MIX, PAVEMENT REPAIR			
0026	2022000000-E	90.000 CY	\$85.0000	\$7,650.00
	SUBDRAIN EXCAVATION			
0027	2026000000-E	400.000 SY	\$10.0000	\$4,000.00
	GEOTEXTILE FOR SUBSURFACE DRAINS			
0028	2036000000-E	67.000 CY	\$85.0000	\$5,695.00
	SUBDRAIN COARSE AGGREGATE			
0029	2044000000-E	400.000 LF	\$15.0000	\$6,000.00
	6" PERFORATED SUBDRAIN PIPE			
0030	2070000000-N	1.000 EA	\$950.0000	\$950.00
	SUBDRAIN PIPE OUTLET			
0031	2077000000-E	6.000 LF	\$55.0000	\$330.00
	6" OUTLET PIPE			
0032	2286000000-N	4.000 EA	\$10,150.0000	\$40,600.00
	MASONRY DRAINAGE STRUCTURES			
0033	2367000000-N	4.000 EA	\$1,650.0000	\$6,600.00
	FRAME WITH TWO GRATES, STD 840.29			
0034	2556000000-E	80.000 LF	\$75.0000	\$6,000.00
	SHOULDER BERM GUTTER			
0035	3030000000-E	87.500 LF	\$26.4000	\$2,310.00
	STEEL BEAM GUARDRAIL			
0036	3045000000-E	87.500 LF	\$27.5000	\$2,406.25
	STEEL BEAM GUARDRAIL, SHOP CURVED			
0037	3180000000-N	3.000 EA	\$3,135.0000	\$9,405.00
	GUARDRAIL ANCHOR UNITS, TYPE ***** (III SHOP CURVED)			
0038	3195000000-N	5.000 EA	\$1,045.0000	\$5,225.00
	GUARDRAIL END UNITS, TYPE AT-1			
0039	3215000000-N	5.000 EA	\$2,585.0000	\$12,925.00
	GUARDRAIL ANCHOR UNITS, TYPE III			
0040	3288000000-N	3.000 EA	\$3,520.0000	\$10,560.00
	GUARDRAIL END UNITS, TYPE TL-2			
0041	3559000000-E	150.000 LF	\$16.5000	\$2,475.00
	** STRAND BARBED WIRE FENCE WITH POSTS (2)			
0042	3649000000-E	5.000 TON	\$60.0000	\$300.00
	RIP RAP, CLASS B			
0043	3656000000-E	2345.000 SY	\$7.0000	\$16,415.00
	GEOTEXTILE FOR DRAINAGE			
0044	4400000000-E	395.000 SF	\$7.1500	\$2,824.25
	WORK ZONE SIGNS (STATIONARY)			
0045	4410000000-E	183.000 SF	\$7.4300	\$1,359.69
	WORK ZONE SIGNS (BARRICADE MOUNTED)			
0046	4430000000-N	50.000 EA	\$22.0000	\$1,100.00
	DRUMS			
0047	4445000000-E	128.000 LF	\$24.2000	\$3,097.60
	BARRICADES (TYPE III)			
0048	4685000000-E	4101.000 LF	\$2.0500	\$8,407.05

THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)

0049	6000000000-E	1475.000 LF	\$4.1300	\$6,091.75
	TEMPORARY SILT FENCE			
0050	6006000000-E	205.000 TON	\$55.0000	\$11,275.00
	STONE FOR EROSION CONTROL, CLASS A			
0051	6009000000-E	330.000 TON	\$55.0000	\$18,150.00
	STONE FOR EROSION CONTROL, CLASS B			
0052	6012000000-E	765.000 TON	\$55.0000	\$42,075.00
	SEDIMENT CONTROL STONE			
0053	6015000000-E	1.000 ACR	\$3,080.0000	\$3,080.00
	TEMPORARY MULCHING			
0054	6018000000-E	100.000 LB	\$5.2300	\$523.00
	SEED FOR TEMPORARY SEEDING			
0055	6021000000-E	0.500 TON	\$1,485.0000	\$742.50
	FERTILIZER FOR TEMPORARY SEEDING			
0056	6024000000-E	305.000 LF	\$65.0000	\$19,825.00
	TEMPORARY SLOPE DRAINS			
0057	6029000000-E	1300.000 LF	\$2.2000	\$2,860.00
	SAFETY FENCE			
0058	6030000000-E	190.000 CY	\$10.0000	\$1,900.00
	SILT EXCAVATION			
0059	6036000000-E	5010.000 SY	\$2.2000	\$11,022.00
	MATTING FOR EROSION CONTROL			
0060	6037000000-E	505.000 SY	\$7.9800	\$4,029.90
	COIR FIBER MAT			
0061	6042000000-E	390.000 LF	\$6.6000	\$2,574.00
	1/4" HARDWARE CLOTH			
0062	6070000000-N	26.000 EA	\$1,000.0000	\$26,000.00
	SPECIAL STILLING BASINS			
0063	6071002000-E	15.000 LB	\$12.1000	\$181.50
	FLOCCULANT			
0064	6071012000-E	30.000 LF	\$12.1000	\$363.00
	COIR FIBER WATTLE			
0065	6084000000-E	1.000 ACR	\$3,685.0000	\$3,685.00
	SEEDING & MULCHING			
0066	6087000000-E	0.500 ACR	\$605.0000	\$302.50
	MOWING			
0067	6090000000-E	50.000 LB	\$2.2000	\$110.00
	SEED FOR REPAIR SEEDING			
0068	6093000000-E	0.250 TON	\$412.5000	\$103.13
	FERTILIZER FOR REPAIR SEEDING			
0069	6096000000-E	50.000 LB	\$6.6000	\$330.00
	SEED FOR SUPPLEMENTAL SEEDING			
0070	6108000000-E	0.750 TON	\$1,760.0000	\$1,320.00
	FERTILIZER TOPDRESSING			
0071	6111000000-E	165.000 LF	\$145.0000	\$23,925.00
	IMPERVIOUS DIKE			
0072	6114500000-N	10.000 MHR	\$93.5000	\$935.00
	SPECIALIZED HAND MOWING			

0073	6117000000-N	25.000	EA	\$825.0000	\$20,625.00
	RESPONSE FOR EROSION CONTROL				
0074	6117500000-N	5.000	EA	\$1,500.0000	\$7,500.00
	CONCRETE WASHOUT STRUCTURE				
0075	6123000000-E	0.100	ACR	\$6,050.0000	\$605.00
	REFORESTATION				

Section 0001 Total \$1,451,721.37

Section 0004
STRUCTURE ITEMS

0076	8017000000-N	1.000	LS	\$81,950.0000	\$81,950.00
	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (13+61.50 -L-)				
0077	8017000000-N	1.000	LS	\$81,950.0000	\$81,950.00
	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (23+41.00 -L-)				
0078	8035000000-N	1.000	LS	\$57,650.0000	\$57,650.00
	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (13+61.50 -L-)				
0079	8035000000-N	1.000	LS	\$57,650.0000	\$57,650.00
	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (23+41.00 -L-)				
0080	8065000000-N	1.000	LS	\$2,530.0000	\$2,530.00
	ASBESTOS ASSESSMENT				
0081	8097000000-E	68.500	LF	\$440.0000	\$30,140.00
	PILE EXCAVATION NOT IN SOIL				
0082	8105520000-E	138.090	LF	\$804.1700	\$111,047.84
	3'-0" DIA DRILLED PIERS IN SOIL				
0083	8105620000-E	101.400	LF	\$1,163.1100	\$117,939.35
	3'-0" DIA DRILLED PIERS NOT IN SOIL				
0084	8111200000-E	138.400	LF	\$417.3800	\$57,765.39
	PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER				
0085	8113000000-N	3.000	EA	\$1,500.0000	\$4,500.00
	SID INSPECTIONS				
0086	8115000000-N	3.000	EA	\$1,650.0000	\$4,950.00
	CSL TESTING				
0087	8121000000-N	1.000	LS	\$29,750.0000	\$29,750.00
	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (13+61.50 -L-)				
0088	8121000000-N	1.000	LS	\$22,500.0000	\$22,500.00
	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (23+41.00 -L-)				
0089	8182000000-E	123.700	CY	\$2,505.0000	\$309,868.50
	CLASS A CONCRETE (BRIDGE)				
0090	8210000000-N	1.000	LS	\$45,392.0000	\$45,392.00
	BRIDGE APPROACH SLABS, STATION ***** (13+61.50 -L-)				
0091	8210000000-N	1.000	LS	\$46,828.4500	\$46,828.45
	BRIDGE APPROACH SLABS, STATION ***** (23+41.00 -L-)				
0092	8217000000-E	40505.000	LB	\$2.3500	\$95,186.75
	REINFORCING STEEL (BRIDGE)				
0093	8238000000-E	5841.000	LB	\$5.6000	\$32,709.60
	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)				

0094	8328200000-E	10.000 EA	\$1,250.0000	\$12,500.00
	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)			
0095	8364000000-E	385.000 LF	\$204.9000	\$78,886.50
	HP 12 X 53 STEEL PILES			
0096	8391000000-N	10.000 EA	\$275.0000	\$2,750.00
	STEEL PILE POINTS			
0097	8394000000-N	1.000 EA	\$4,500.0000	\$4,500.00
	DYNAMIC PILE TESTING			
0098	8475000000-E	285.250 LF	\$199.1000	\$56,793.28
	TWO BAR METAL RAIL			
0099	8505000000-E	290.500 LF	\$211.4000	\$61,411.70
	VERTICAL CONCRETE BARRIER RAIL			
0100	8517000000-E	300.250 LF	\$215.0000	\$64,553.75
	1'-**" X *****" CONCRETE PARAPET (1'-2" X 2'-9 1/4")			
0101	8608000000-E	1640.000 TON	\$55.0000	\$90,200.00
	RIP RAP CLASS II (2'-0" THICK)			
0102	8622000000-E	1245.000 SY	\$8.0000	\$9,960.00
	GEOTEXTILE FOR DRAINAGE			
0103	8657000000-N	1.000 LS	\$18,510.0000	\$18,510.00
	ELASTOMERIC BEARINGS			
0104	8762000000-E	675.000 LF	\$312.1900	\$210,728.25
	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS			
0105	8763000000-E	1980.000 LF	\$231.4100	\$458,191.80
	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS			
0106	8897000000-N	10.000 EA	\$27,772.2900	\$277,722.90
	GENERIC STRUCTURE ITEM 9-5/8" DIA. MICROPILES			
0107	8897000000-N	2.000 EA	\$33,000.0000	\$66,000.00
	GENERIC STRUCTURE ITEM DEMONSTRATION MICROPILES			
0108	8897000000-N	6.000 EA	\$1,500.0000	\$9,000.00
	GENERIC STRUCTURE ITEM DRILLED PIER PILOT BORING			
0109	8897000000-N	2.000 EA	\$63,000.0000	\$126,000.00
	GENERIC STRUCTURE ITEM MICROPILE PROOF TESTS			
Section 0004 Total				\$2,738,016.06
Item Total				\$4,189,737.43

ELECTRONIC BID SUBMISSION

By submitting this bid electronically, I hereby acknowledge that all requirements included in the hard copy proposal, addendum, amendments, plans, standard specifications, supplemental specifications and special provisions are part of the bid and contract. Further, I acknowledge that I have read, understand, accept, acknowledge and agree to comply with all statements in this electronic bid.

=====

NON-COLLUSION, DEBARMENT AND GIFT BAN CERTIFICATION

The prequalified bidder declares (or certifies, verifies, or states) under penalty of perjury under the laws of the United States that neither he, nor any official, agent or employee has entered into any agreement, participated in any collusion, or otherwise taken any action which is in restraint of free competitive bidding in connection with any bid or contract, that the prequalified bidder has not been convicted of violating N.C.G.S. §133-24 within the last three years, and that the prequalified bidder intends to do the work with his own bonafide employees or subcontractors and will not bid for the benefit of another contractor.

By submitting this non-collusion, debarment and gift ban certification, the Contractor is attesting his status under penalty of perjury under the laws of the United States in accordance with the Debarment Certification attached, provided that the Debarment Certification also includes any required statements concerning exceptions that are applicable.

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.

DEBARMENT CERTIFICATION OF PREQUALIFIED BIDDER

Conditions for certification:

1. The prequalified bidder shall provide immediate written notice to the Department if at any time the bidder learns that his certification was erroneous when he submitted his debarment certification or explanation that is file with the Department, or has become erroneous because of changed circumstances.
2. The terms covered transaction, debarred, suspended, ineligible, lower tier

covered transaction, participant, person, primary covered transaction, principal, proposal, and voluntarily excluded, as used in this provision, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. A copy of the Federal Rules requiring this certification and detailing the definitions and coverages may be obtained from the Contract Officer of the Department.

3. The prequalified bidder agrees by submitting this form, that he will not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in NCDOT contracts, unless authorized by the Department.

4. For Federal Aid projects, the prequalified bidder further agrees that by submitting this form he will include the Federal- Aid Provision titled Required Contract Provisions Federal-Aid Construction Contract (Form FHWA PR 1273) provided by the Department, without subsequent modification, in all lower tier covered transactions.

5. The prequalified bidder may rely upon a certification of a participant in a lower tier covered transaction that he is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless he knows that the certification is erroneous. The bidder may decide the method and frequency by which he will determine the eligibility of his subcontractors.

6. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this provision. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

7. Except as authorized in paragraph 6 herein, the Department may terminate any contract if the bidder knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available by the Federal Government.

DEBARMENT CERTIFICATION

The prequalified bidder certifies to the best of his knowledge and belief, that he and his principals:

a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

b. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or

commission of embezzlement, theft, forgery, bribery, falsification or destruction of records; making false statements; or receiving stolen property;

c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph b. of this certification; and

d. Have not within a three-year period preceding this proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

e. Will submit a revised Debarment Certification immediately if his status changes and will show in his bid proposal an explanation for the change in status.

If the prequalified bidder cannot certify that he is not debarred, he shall provide an explanation with this submittal. An explanation will not necessarily result in denial of participation in a contract.

Failure to submit a non-collusion and debarment certification will result in the prequalified bidder's bid being considered non-responsive.

EXPLANATION:

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Award Limits on Multiple Projects

By answering YES to this statement, the bidder acknowledges that they are using the award limits on multiple projects? **Yes** ☐ **No** ☒

A bidder who desires to bid on more than one project on which bids are to be opened on the same date, and who also desires to avoid receiving an award of more projects than he is equipped to handle, may bid on any number of projects but may limit the total amount of work awarded to him on selected projects by completing the AWARD LIMITS ON MULTIPLE PROJECTS.

The Award Limits on Multiple Projects must be filled in on each project bid for which the Bidder desires protection.

It is the desire of the Bidder to be awarded contracts, the value of which will not exceed a total of for those

projects indicated herein, for which bids will be opened on (MM/DD/YY)

The Award Limits shall apply to the following projects:

Contract Number
County

Contract Number
County

Contract Number
County

Contract Number
County

Contract Number
County

Contract Number
County

It is agreed that if I am (we are) the low Bidder(s) on indicated projects, the total value of which is more than the above stipulated award limits, the Board of Transportation will award me (us) projects from among those indicated

that have a total value not to exceed the award limit and will result in the lowest total bids to the Department of Transportation.

DBE List Summary

Project: 5034501
Bid Total: 4,189,737.43
Goal: 2.00% (83,794.75)
Total Entered: 6.15% (257,846.25)

Bidder ID: 18490
Business Name: Whaley Construction, LLC

ID	Name	Supp?/Dist?	Item Count	Amount	Is Complete?
6101	DMJ'S INC	No	19	53,261.25	True
7876	EMERY SEALCO INC	No	6	204,585.00	True

Name: DMJ'S INC ID: 6101

Address: P.O. Box 2412 ROBBINSVILLE, NC 28771

Used As: SubContractor DBE Items Total:\$53,261.25

Items for DMJ'S INC

0001	ROADWAY					
0049	6000000000-E	1475.000	LF	\$3.7500	\$5,531.25	TEMPORARY SILT FENCE
0053	6015000000-E	1.000	ACR	\$1,800.0000	\$1,800.00	TEMPORARY MULCHING
0054	6018000000-E	100.000	LB	\$4.7500	\$475.00	SEED FOR TEMPORARY SEEDING
0055	6021000000-E	0.500	TON	\$1,350.0000	\$675.00	FERTILIZER FOR TEMPORARY SEEDING
0057	6029000000-E	1300.000	LF	\$2.0000	\$2,600.00	SAFETY FENCE
0059	6036000000-E	5010.000	SY	\$2.0000	\$10,020.00	MATTING FOR EROSION CONTROL
0060	6037000000-E	505.000	SY	\$7.2500	\$3,661.25	COIR FIBER MAT
0061	6042000000-E	390.000	LF	\$6.5000	\$2,535.00	1/4" HARDWARE CLOTH
0063	6071002000-E	15.000	LB	\$11.0000	\$165.00	FLOCCULANT
0064	6071012000-E	30.000	LF	\$11.0000	\$330.00	COIR FIBER WATTLE
0065	6084000000-E	1.000	ACR	\$3,350.0000	\$3,350.00	SEEDING & MULCHING
0066	6087000000-E	0.500	ACR	\$550.0000	\$275.00	MOWING
0067	6090000000-E	50.000	LB	\$2.0000	\$100.00	SEED FOR REPAIR SEEDING
0068	6093000000-E	0.250	TON	\$375.0000	\$93.75	FERTILIZER FOR REPAIR SEEDING
0069	6096000000-E	50.000	LB	\$6.0000	\$300.00	SEED FOR SUPPLEMENTAL SEEDING
0070	6108000000-E	0.750	TON	\$1,600.0000	\$1,200.00	FERTILIZER TOPDRESSING
0072	6114500000-N	10.000	MHR	\$85.0000	\$850.00	SPECIALIZED HAND MOWING
0073	6117000000-N	25.000	EA	\$750.0000	\$18,750.00	RESPONSE FOR EROSION CONTROL

0075	6123000000-E REFORESTATION	0.100 ACR	\$5,500.0000	\$550.00
Section 0001 Total				\$53,261.25
Item Total				\$53,261.25

Name: EMERY SEALCO INC ID: 7876

Address: P.O. Box 814 ARDEN, NC 28704

Used As: SubContractor DBE Items Total:\$204,585.00

Items for EMERY SEALCO INC

0001 ROADWAY				
0001	0000100000-N MOBILIZATION	1.000 LS	\$1,800.0000	\$1,800.00
0021	1330000000-E INCIDENTAL MILLING	400.000 SY	\$25.0000	\$10,000.00
0022	1491000000-E ASPHALT CONC BASE COURSE, TYPE B25.0C	290.000 TON	\$164.0000	\$47,560.00
0023	1519000000-E ASPHALT CONC SURFACE COURSE, TYPE S9.5B	570.000 TON	\$180.0000	\$102,600.00
0024	1575000000-E ASPHALT BINDER FOR PLANT MIX	55.000 TON	\$700.0000	\$38,500.00
0025	1693000000-E ASPHALT PLANT MIX, PAVEMENT REPAIR	15.000 TON	\$275.0000	\$4,125.00
Section 0001 Total				\$204,585.00
Item Total				\$204,585.00

THIS PROPOSAL CONTAINS THE FOLLOWING ERRORS/WARNINGS (IF ANY)

This Bid contains 0 amendment files

Electronic Bid Submission

By submitting this bid electronically, I hereby acknowledge that all requirements included in the hard copy proposal, addendum, amendments, plans, standard specifications, supplemental specifications and special provisions are part of the bid and contract. Further, I acknowledge that I have read, understand, accept, acknowledge and agree to comply with all statements in this electronic bid.

I hereby certify that I have the authority to submit this bid.

Signature _____

Agency _____

Date _____

Signature _____

Agency _____

Date _____

Signature _____

Agency _____

Date _____

Attachments

Failure to complete and attach the Fuel Usage Factor Adjustment Form will result in using 2.90 gallons per ton as the Fuel Usage Factor for Diesel for the asphalt items included on the form. The contractor will not be permitted to change the option after the bids are submitted.

NOTE: The maximum upload limit is 5 MB.

☐ Verify



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

LETTER OF INTENT TO PERFORM AS A SUBCONTRACTOR

CONTRACT:
DN01082

NAME OF BIDDER:
Whaley Construction, LLC

The undersigned intends to perform work in connection with the above contract upon execution of the bid and subsequent award of contract by the Board of Transportation as:

Name of MBE/WBE/DBE Subcontractor DMJ's Incorporated

Address PO Box 2412

City Robbinsville State NC Zip 28771

Please check all that apply:

Minority Business Enterprise (MBE)

Women Business Enterprise (WBE) ✓

Disadvantaged Business Enterprise (DBE) ✓

The MBE /WBE /DBE status of the above named subcontractor is certified by the North Carolina Department of Transportation. The above named subcontractor is prepared to perform the described work listed on the attached MBE/WBE/DBE Commitment Items sheet, in connection with the above contract upon execution of the bid and subsequent award of contract by the Board of Transportation. The above named subcontractor is prepared to perform the described work at the estimated Commitment Total for Subcontractor Price identified on the MBE/WBE/DBE Commitment Items sheet and amount indicated below.

Commitment Total based on estimated Unit Prices and Quantities on the "attached" MBE/WBE/DBE Commitment Items sheet. Amount \$ 53,261.25

The above named bidder and subcontractor mutually accepts the Commitment Total estimated for the Unit Prices and Quantities. This commitment total is based on estimated quantities only and most likely will vary up or down as the project is completed. Final compensation will be based on actual quantities of work performed and accepted during the pursuance of work. The above listed amount represents the entire dollar amount quoted based on these estimated quantities. No conversations, verbal agreements, and/or other forms of non-written representations shall serve to add, delete, or modify the terms as stated.

This document shall not serve in any manner as an actual subcontract between the two parties. A separate subcontractor agreement will describe in detail the contractual obligations of the bidder and the MBE/WBE/DBE subcontractor.

Affirmation

The above named MBE/ WBE/ DBE subcontractor affirms that it will perform the portion(s) of the contract for the estimated dollar value as stated above.

DMJ's Incorporated

Whaley Construction, LLC

Name of MBE/ WBE/ DBE Subcontractor

Name of Bidder

[Signature]
Signature / Title

[Signature]
Signature / Title

June 24, 2025

6/25/2025

Date

Date



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

LETTER OF INTENT TO PERFORM AS A SUBCONTRACTOR

CONTRACT:
DN01082

NAME OF BIDDER:
Whaley Construction, LLC

The undersigned intends to perform work in connection with the above contract upon execution of the bid and subsequent award of contract by the Board of Transportation as:

Name of MBE/WBE/DBE Subcontractor Emery Asphalt and Paving Company

Address 34 Walden Drive

City Arden State NC Zip 38704

Please check all that apply:

Minority Business Enterprise (MBE) ☐

Women Business Enterprise (WBE) ☐

Disadvantaged Business Enterprise (DBE) ☒

The MBE /WBE /DBE status of the above named subcontractor is certified by the North Carolina Department of Transportation. The above named subcontractor is prepared to perform the described work listed on the attached MBE/WBE/DBE Commitment Items sheet, in connection with the above contract upon execution of the bid and subsequent award of contract by the Board of Transportation. The above named subcontractor is prepared to perform the described work at the estimated Commitment Total for Subcontractor Price identified on the MBE/WBE/DBE Commitment Items sheet and amount indicated below.

Commitment Total based on estimated Unit Prices and Quantities on the "attached" MBE/WBE/DBE Commitment Items sheet. Amount \$ 204,585.00

The above named bidder and subcontractor mutually accepts the Commitment Total estimated for the Unit Prices and Quantities. This commitment total is based on estimated quantities only and most likely will vary up or down as the project is completed. Final compensation will be based on actual quantities of work performed and accepted during the pursuance of work. The above listed amount represents the entire dollar amount quoted based on these estimated quantities. No conversations, verbal agreements, and/or other forms of non-written representations shall serve to add, delete, or modify the terms as stated.

This document shall not serve in any manner as an actual subcontract between the two parties. A separate subcontractor agreement will describe in detail the contractual obligations of the bidder and the MBE/WBE/DBE subcontractor.

Affirmation

The above named MBE/ WBE/ DBE subcontractor affirms that it will perform the portion(s) of the contract for the estimated dollar value as stated above.

Emery Asphalt and Paving Company

Whaley Construction, LLC

Name of MBE/ WBE/ DBE Subcontractor

Name of Bidder

Kathryn Emery, sec

Colton Madison

Vice President of Concrete

Signature / Title

Signature / Title

6/25/25

6/25/2025

Date

Date

Contract No. DN01082
County Haywood

Rev. 10-31-24

**EXECUTION OF CONTRACT
NON-COLLUSION, DEBARMENT AND GIFT BAN CERTIFICATION**

LIMITED LIABILITY COMPANY

The Contractor declares (or certifies, verifies, or states) under penalty of perjury under the laws of the United States that neither he, nor any official, agent or employee has entered into any agreement, participated in any collusion, or otherwise taken any action which is in restraint of free competitive bidding in connection with this Contract, that the Contractor has not been convicted of violating *N.C.G.S. § 133-24* within the last three years, and that the Contractor intends to do the work with its own bona fide employees or subcontractors and did not bid for the benefit of another contractor.

By submitting this Execution of Contract, non-collusion, debarment and gift ban certification, the Contractor is certifying his status under penalty of perjury under the laws of the United States in accordance with the Debarment Certification attached, provided that the Debarment Certification also includes any required statements concerning exceptions that are applicable.

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.

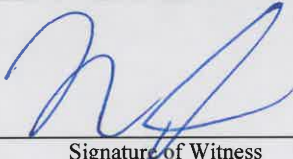
SIGNATURE OF CONTRACTOR

Whaley Construction, LLC.

Full Name of Firm

PO Box 70 Kodak, TN 37764

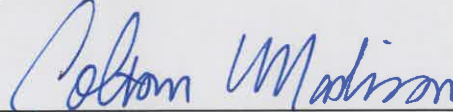
Address as prequalified



Signature of Witness

Zac Whaley

Print or type Signer's name



Signature of **Member, Manager, Authorized Agent**

Select appropriate title

Colton Madison

Print or type Signer's Name

DEBARMENT CERTIFICATION

Conditions for certification:

1. The prequalified bidder shall provide immediate written notice to the Department if at any time the bidder learns that his certification was erroneous when he submitted his debarment certification or explanation filed with the Department, or has become erroneous because of changed circumstances.
2. The terms *covered transaction*, *debarred*, *suspended*, *ineligible*, *lower tier covered transaction*, *participant*, *person*, *primary covered transaction*, *principal*, *proposal*, and *voluntarily excluded*, as used in this provision, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. A copy of the Federal Rules requiring this certification and detailing the definitions and coverages may be obtained from the Contract Officer of the Department.
3. The prequalified bidder agrees by submitting this form, that he will not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in NCDOT contracts, unless authorized by the Department.
4. For Federal Aid projects, the prequalified bidder further agrees that by submitting this form he will include the Federal-Aid Provision titled *Required Contract Provisions Federal-Aid Construction Contract (Form FHWA PR 1273)* provided by the Department, without subsequent modification, in all lower tier covered transactions.
5. The prequalified bidder may rely upon a certification of a participant in a lower tier covered transaction that he is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless he knows that the certification is erroneous. The bidder may decide the method and frequency by which he will determine the eligibility of his subcontractors.
6. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this provision. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
7. Except as authorized in paragraph 6 herein, the Department may terminate any contract if the bidder knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available by the Federal Government.

DEBARMENT CERTIFICATION

The prequalified bidder certifies to the best of his knowledge and belief, that he and his principals:

- a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- b. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records; making false statements; or receiving stolen property;
- c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph b. of this certification; and
- d. Have not within a three-year period preceding this proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- e. Will submit a revised Debarment Certification immediately if his status changes and will show in his bid proposal an explanation for the change in status.

If the prequalified bidder cannot certify that he is not debarred, he shall provide an explanation with this submittal. An explanation will not necessarily result in denial of participation in a contract.

Failure to submit a non-collusion and debarment certification will result in the prequalified bidder's bid being considered non-responsive.

☐

Check here if an explanation is attached to this certification.

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North Carolina Department of Transportation

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Contract Item Sheets For DN01082

Line #	ItemNumber	Sec #	Description	Quantity Unit	Unit Bid Price	Amount Bid
ROADWAY						
0001	0000100000-N	800	MOBILIZATION	LUMP SUM	380,659.00	380,659.00
0002	0000400000-N	801	CONSTRUCTION SURVEYING	LUMP SUM	35,000.00	35,000.00
0003	0043000000-N	226	GRADING	LUMP SUM	159,660.00	159,660.00
0004	0050000000-E	226	SUPPLEMENTARY CLEARING & GRUBBING	1 ACR	30,000.00	30,000.00
0005	0057000000-E	226	UNDERCUT EXCAVATION	800 CY	65.00	52,000.00
0006	0195000000-E	265	SELECT GRANULAR MATERIAL	800 CY	75.00	60,000.00
0007	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	800 SY	10.00	8,000.00
0008	0248000000-N	SP	GENERIC GRADING ITEM TYPE 1 BRIDGE APPROACH FILL, STATION 13+61.50 -L-	LUMP SUM	22,000.00	22,000.00
0009	0248000000-N	SP	GENERIC GRADING ITEM TYPE 1 BRIDGE APPROACH FILL, STATION 23+41.00 -L-	LUMP SUM	22,000.00	22,000.00
0010	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	20 TON	60.00	1,200.00
0011	0321000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	60 SY	10.00	600.00
0012	0335200000-E	305	15" DRAINAGE PIPE	88 LF	195.00	17,160.00
0013	0335850000-E	305	*** DRAINAGE PIPE ELBOWS (15")	1 EA	1,150.00	1,150.00
0014	0449000000-E	310	*** RC PIPE CULVERTS, CLASS V (24")	72 LF	225.00	16,200.00
0015	0995000000-E	340	PIPE REMOVAL	48 LF	55.00	2,640.00
0016	1099500000-E	505	SHALLOW UNDERCUT	200 CY	65.00	13,000.00
0017	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	400 TON	75.00	30,000.00
0018	1112000000-E	505	GEOTEXTILE FOR SUBGRADE STABILIZATION	600 SY	10.00	6,000.00
0019	1121000000-E	520	AGGREGATE BASE COURSE	146 TON	60.00	8,760.00
0020	1220000000-E	545	INCIDENTAL STONE BASE	100 TON	60.00	6,000.00
0021	1330000000-E	607	INCIDENTAL MILLING	400 SY	26.25	10,500.00

Contract Item Sheets For DN01082

Line #	ItemNumber	Sec #	Description	Quantity Unit	Unit Bid Price	Amount Bid
ROADWAY						
0022	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	290 TON	172.20	49,938.00
0023	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	570 TON	189.00	107,730.00
0024	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	55 TON	735.00	40,425.00
0025	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	15 TON	288.75	4,331.25
0026	2022000000-E	815	SUBDRAIN EXCAVATION	90 CY	85.00	7,650.00
0027	2026000000-E	815	GEOTEXTILE FOR SUBSURFACE DRAINS	400 SY	10.00	4,000.00
0028	2036000000-E	815	SUBDRAIN COARSE AGGREGATE	67 CY	85.00	5,695.00
0029	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	400 LF	15.00	6,000.00
0030	2070000000-N	815	SUBDRAIN PIPE OUTLET	1 EA	950.00	950.00
0031	2077000000-E	815	6" OUTLET PIPE	6 LF	55.00	330.00
0032	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	4 EA	10,150.00	40,600.00
0033	2367000000-N	840	FRAME WITH TWO GRATES, STD 840.29	4 EA	1,650.00	6,600.00
0034	2556000000-E	846	SHOULDER BERM GUTTER	80 LF	75.00	6,000.00
0035	3030000000-E	862	STEEL BEAM GUARDRAIL	87.5 LF	26.40	2,310.00
0036	3045000000-E	862	STEEL BEAM GUARDRAIL, SHOP CURVED	87.5 LF	27.50	2,406.25
0037	3180000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE ***** (III SHOP CURVED)	3 EA	3,135.00	9,405.00
0038	3195000000-N	862	GUARDRAIL END UNITS, TYPE AT-1	5 EA	1,045.00	5,225.00
0039	3215000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE III	5 EA	2,585.00	12,925.00
0040	3288000000-N	862	GUARDRAIL END UNITS, TYPE TL-2	3 EA	3,520.00	10,560.00
0041	3559000000-E	866	** STRAND BARBED WIRE FENCE WITH POSTS (2)	150 LF	16.50	2,475.00
0042	3649000000-E	876	RIP RAP, CLASS B	5 TON	60.00	300.00

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Contract Item Sheets For DN01082

Line #	ItemNumber	Sec #	Description	Quantity Unit	Unit Bid Price	Amount Bid
ROADWAY						
0043	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	2,345 SY	7.00	16,415.00
0044	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	395 SF	7.15	2,824.25
0045	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	183 SF	7.43	1,359.69
0046	4430000000-N	1130	DRUMS	50 EA	22.00	1,100.00
0047	4445000000-E	1145	BARRICADES (TYPE III)	128 LF	24.20	3,097.60
0048	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	4,101 LF	2.05	8,407.05
0049	6000000000-E	1605	TEMPORARY SILT FENCE	1,475 LF	4.13	6,091.75
0050	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	205 TON	55.00	11,275.00
0051	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	330 TON	55.00	18,150.00
0052	6012000000-E	1610	SEDIMENT CONTROL STONE	765 TON	55.00	42,075.00
0053	6015000000-E	1615	TEMPORARY MULCHING	1 ACR	3,080.00	3,080.00
0054	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	100 LB	5.23	523.00
0055	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	0.5 TON	1,485.00	742.50
0056	6024000000-E	1622	TEMPORARY SLOPE DRAINS	305 LF	65.00	19,825.00
0057	6029000000-E	SP	SAFETY FENCE	1,300 LF	2.20	2,860.00
0058	6030000000-E	1630	SILT EXCAVATION	190 CY	10.00	1,900.00
0059	6036000000-E	1631	MATting FOR EROSION CONTROL	5,010 SY	2.20	11,022.00
0060	6037000000-E	1629	COIR FIBER MAT	505 SY	7.98	4,029.90
0061	6042000000-E	1632	1/4" HARDWARE CLOTH	390 LF	6.60	2,574.00
0062	6070000000-N	1639	SPECIAL STILLING BASINS	26 EA	1,000.00	26,000.00
0063	6071002000-E	1642	FLOCCULANT	15 LB	12.10	181.50
0064	6071012000-E	1642	COIR FIBER WATTLE	30 LF	12.10	363.00

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North Carolina Department of Transportation

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Contract Item Sheets For DN01082

Line #	ItemNumber	Sec #	Description	Quantity Unit	Unit Bid Price	Amount Bid
ROADWAY						
0065	6084000000-E	1660	SEEDING & MULCHING	1 ACR	3,685.00	3,685.00
0066	6087000000-E	1660	MOWING	0.5 ACR	605.00	302.50
0067	6090000000-E	1661	SEED FOR REPAIR SEEDING	50 LB	2.20	110.00
0068	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25 TON	412.50	103.13
0069	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	50 LB	6.60	330.00
0070	6108000000-E	1665	FERTILIZER TOPDRESSING	0.75 TON	1,760.00	1,320.00
0071	6111000000-E	SP	IMPERVIOUS DIKE	165 LF	145.00	23,925.00
0072	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR	93.50	935.00
0073	6117000000-N	1675	RESPONSE FOR EROSION CONTROL	25 EA	825.00	20,625.00
0074	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	5 EA	1,500.00	7,500.00
0075	6123000000-E	1670	REFORESTATION	0.1 ACR	6,050.00	605.00

Contract Item Sheets For DN01082

Line #	ItemNumber	Sec #	Description	Quantity Unit	Unit Bid Price	Amount Bid
STRUCTURE ITEMS						
0076	8017000000-N	SP	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (13+61.50 -L-)	LUMP SUM	81,950.00	81,950.00
0077	8017000000-N	SP	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (23+41.00 -L-)	LUMP SUM	81,950.00	81,950.00
0078	8035000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (13+61.50 -L-)	LUMP SUM	57,650.00	57,650.00
0079	8035000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (23+41.00 -L-)	LUMP SUM	57,650.00	57,650.00
0080	8065000000-N	SP	ASBESTOS ASSESSMENT	LUMP SUM	2,530.00	2,530.00
0081	8097000000-E	450	PILE EXCAVATION NOT IN SOIL	68.5 LF	440.00	30,140.00
0082	8105520000-E	411	3'-0" DIA DRILLED PIERS IN SOIL	138.09 LF	804.17	111,047.84
0083	8105620000-E	411	3'-0" DIA DRILLED PIERS NOT IN SOIL	101.4 LF	1,163.11	117,939.35
0084	8111200000-E	411	PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER	138.4 LF	417.38	57,765.39
0085	8113000000-N	411	SID INSPECTIONS	3 EA	1,500.00	4,500.00
0086	8115000000-N	411	CSL TESTING	3 EA	1,650.00	4,950.00
0087	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (13+61.50 -L-)	LUMP SUM	29,750.00	29,750.00
0088	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (23+41.00 -L-)	LUMP SUM	22,500.00	22,500.00
0089	8182000000-E	420	CLASS A CONCRETE (BRIDGE)	123.7 CY	2,505.00	309,868.50
0090	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (13+61.50 -L-)	LUMP SUM	45,392.00	45,392.00
0091	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (23+41.00 -L-)	LUMP SUM	46,828.45	46,828.45
0092	8217000000-E	425	REINFORCING STEEL (BRIDGE)	40,505 LB	2.35	95,186.75

Contract Item Sheets For DN01082

Line #	ItemNumber	Sec #	Description	Quantity Unit	Unit Bid Price	Amount Bid
STRUCTURE ITEMS						
0093	8238000000-E	425	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)	5,841 LB	5.60	32,709.60
0094	8328200000-E	450	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)	10 EA	1,250.00	12,500.00
0095	8364000000-E	450	HP 12 X 53 STEEL PILES	385 LF	204.90	78,886.50
0096	8391000000-N	450	STEEL PILE POINTS	10 EA	275.00	2,750.00
0097	8394000000-N	450	DYNAMIC PILE TESTING	1 EA	4,500.00	4,500.00
0098	8475000000-E	460	TWO BAR METAL RAIL	285.25 LF	199.10	56,793.28
0099	8505000000-E	460	VERTICAL CONCRETE BARRIER RAIL	290.5 LF	211.40	61,411.70
0100	8517000000-E	460	1'-***" X ***** CONCRETE PARAPET (1'-2" X 2'-9 1/4")	300.25 LF	215.00	64,553.75
0101	8608000000-E	876	RIP RAP CLASS II (2'-0" THICK)	1,640 TON	55.00	90,200.00
0102	8622000000-E	876	GEOTEXTILE FOR DRAINAGE	1,245 SY	8.00	9,960.00
0103	8657000000-N	430	ELASTOMERIC BEARINGS	LUMP SUM	18,510.00	18,510.00
0104	8762000000-E	430	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS	675 LF	312.19	210,728.25
0105	8763000000-E	430	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS	1,980 LF	231.41	458,191.80
0106	8897000000-N	SP	GENERIC STRUCTURE ITEM 9-5/8" DIA. MICROPILES	10 EA	27,772.29	277,722.90
0107	8897000000-N	SP	GENERIC STRUCTURE ITEM DEMONSTRATION MICROPILES	2 EA	33,000.00	66,000.00
0108	8897000000-N	SP	GENERIC STRUCTURE ITEM DRILLED PIER PILOT BORING	6 EA	1,500.00	9,000.00
0109	8897000000-N	SP	GENERIC STRUCTURE ITEM MICROPILE PROOF TESTS	2 EA	63,000.00	126,000.00

TOTAL AMOUNT OF BID FOR ENTIRE PROJECT

\$4,189,737.43

Execution of Contract

Contract No: DN01082

County: Haywood

ACCEPTED BY THE DEPARTMENT

DocuSigned by:

Jeffrey E. Alsbaugh

160E4BFF87884E1

Proposals Engineer

07/17/2025

Date

EXECUTION OF CONTRACT AND BONDS
APPROVED AS TO FORM:

DocuSigned by:

Wesley Grindstaff P.E.

5D4E8B83C7C4D6

Division Engineer

07/17/2025

Date

Signature Sheet (Bid) - ACCEPTANCE SHEET

Contract No. DN01082
County Haywood

Rev. 10-31-24

Bond #CAF360512

CONTRACT PAYMENT BOND

Date of Payment Bond Execution 07/08/25
Name of Principal Contractor Whaley Construction LLC
Name of Surety: Great American Insurance Company
Name of Contracting Body: **North Carolina Department of Transportation**
Raleigh, North Carolina
Amount of Bond: \$4,189,737.43
Contract ID No.: DN01082
County Name: Haywood

KNOW ALL MEN BY THESE PRESENTS, That we, the PRINCIPAL CONTRACTOR (hereafter, PRINCIPAL) and SURETY above named, are held and firmly bound unto the above named Contracting Body, hereinafter called the Contracting Body, in the penal sum of the amount stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the principal entered into a certain contract with the Contracting Body, numbered as shown above and hereto attached:

NOW THEREFORE, if the principal shall promptly make payment to all persons supplying labor and material in the prosecution of the work provided for in said contract, and any and all duly authorized modifications of said contract that may hereafter be made, notice of which modifications to the surety being hereby waived, then this obligation to be void; otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above-bound parties have executed this instrument under their several seals on the date indicated above, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Contract No.
County

DN01082
Haywood

Rev. 10-31-24

CONTRACT PAYMENT BOND

Affix Seal of Surety Company



Great American Insurance Company 16691
Print or type Surety Company Name NAIC #

By Kimberly Stewart, Attorney In Fact
Print, stamp or type name of Attorney-in-Fact

Kimberly Stewart
Signature of Attorney-in-Fact

Michael Cartwright
Signature of Witness

Michael Cartwright
Print or type Signer's name

PO Box 809, Athens TN 37371-0809
Address of Attorney-in-Fact

Contract No. DN01082
County Haywood

Rev. 10-31-24

CONTRACT PAYMENT BOND

CORPORATION

SIGNATURE OF CONTRACTOR (Principal)

Whaley Construction LLC

Full name of Corporation

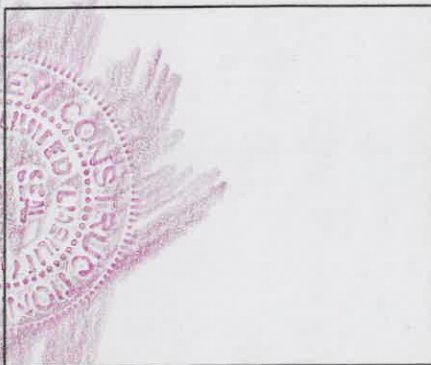
3909 Snyder Road, Kodak TN 37764

Address as prequalified

By

Colton Madison

Signature of President, Vice President, Assistant Vice President
Select appropriate title



Affix Corporate Seal

Colton Madison

Print or type Signer's name

Attest

[Signature]

Signature of Secretary, Assistant Secretary
Select appropriate title

Zac Whaley

Print or type Signer's name

Contract No. DN01082
County Haywood

Rev. 10-31-24

Bond #CAF360512

CONTRACT PERFORMANCE BOND

Date of Performance Bond Execution: 07/08/25

Name of Principal Contractor: Whaley Construction LLC

Name of Surety: Great American Insurance Company

Name of Contracting Body: **North Carolina Department of Transportation**
Raleigh, North Carolina

Amount of Bond: \$4,189,737.43

Contract ID No.: DN01082

County Name: Haywood

KNOW ALL MEN BY THESE PRESENTS, That we, the PRINCIPAL CONTRACTOR (hereafter, PRINCIPAL) and SURETY above named, are held and firmly bound unto the above named Contracting Body, hereinafter called the Contracting Body, in the penal sum of the amount stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the principal entered into a certain contract with the Contracting Body, numbered as shown above and hereto attached:

NOW THEREFORE, if the principal shall well and truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term of said contract and any extensions thereof that may be granted by the Contracting Body, with or without notice to the Surety, and during the life of any guaranty required under the contract, and shall also well and truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of any and all duly authorized modifications of said contract that may hereafter be made, notice of which modifications to the surety being hereby waived, then this obligation to be void; otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above-bound parties have executed this instrument under their several seals on the date indicated above, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Contract No. DN01082
County Haywood

Rev. 10-31-24

CONTRACT PERFORMANCE BOND

Affix Seal of Surety Company



Great American Insurance Company 16691
Print or type Surety Company Name NAIC #

By Kimberly Stewart, Attorney In Fact
Print, stamp or type name of Attorney-in-Fact

Kimberly Stewart
Signature of Attorney-in-Fact

Michael Cartwright
Signature of Witness

Michael Cartwright
Print or type Signer's name

PO Box 809 Athens TN 37371-0809
Address of Attorney-in-Fact

Contract No.
County

DN01082

Haywood

Rev. 10-31-24

CONTRACT PERFORMANCE BOND

CORPORATION

SIGNATURE OF CONTRACTOR (Principal)

Whaley Construction LLC

Full name of Corporation

3909 Snyder Road, Kodak TN 37764

Address as prequalified

By

Colton Madison

Signature of President, Vice President, Assistant Vice President

Select appropriate title



Affix Corporate Seal

Colton Madison

Print or type Signer's name

Attest

[Signature]

Signature of Secretary, Assistant Secretary

Select appropriate title

Zac Whaley

Print or type Signer's name

GREAT AMERICAN INSURANCE COMPANY®

Administrative Office: 301 E 4TH STREET • CINCINNATI, OHIO 45202 • 513-369-5000 • FAX 513-723-2740

The number of persons authorized by
this power of attorney is not more than SEVEN

No. 0 22300

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the GREAT AMERICAN INSURANCE COMPANY, a corporation organized and existing under and by virtue of the laws of the State of Ohio, does hereby nominate, constitute and appoint the person or persons named below, each individually if more than one is named, its true and lawful attorney-in-fact, for it and in its name, place and stead to execute on behalf of the said Company, as surety, any and all bonds, undertakings and contracts of suretyship, or other written obligations in the nature thereof; provided that the liability of the said Company on any such bond, undertaking or contract of suretyship executed under this authority shall not exceed the limit stated below.

Name	Address	Limit of Power
ALLEN F. CARTER	ALL OF	ALL
MARIE D. McDONALD	ATHENS, TENNESSEE	\$100,000,000
KIMBERLY STEWART		
MELISSA BRYSON		

This Power of Attorney revokes all previous powers issued on behalf of the attorney(s)-in-fact named above.

IN WITNESS WHEREOF the GREAT AMERICAN INSURANCE COMPANY has caused these presents to be signed and attested by its appropriate officers and its corporate seal hereunto affixed this 3RD day of JANUARY, 2024

Attest

GREAT AMERICAN INSURANCE COMPANY



Atty L C. B.

Assistant Secretary

Mark V. Vicario

Divisional Senior Vice President

STATE OF OHIO, COUNTY OF HAMILTON - ss:

On this 3RD day of JANUARY, 2024

MARK VICARIO (877-377-2405)

, before me personally appeared MARK VICARIO, to me known, being duly sworn, deposes and says that he resides in Cincinnati, Ohio, that he is a Divisional Senior Vice President of the Bond Division of Great American Insurance Company, the Company described in and which executed the above instrument; that he knows the seal of the said Company; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by authority of his office under the By-Laws of said Company, and that he signed his name thereto by like authority.



SUSAN A. KOHORST
Notary Public
State of Ohio
My Comm. Expires
May 18, 2025

Susan A. Kohorst

This Power of Attorney is granted by authority of the following resolutions adopted by the Board of Directors of Great American Insurance Company by unanimous written consent dated June 9, 2008.

RESOLVED: That the Divisional President, the several Divisional Senior Vice Presidents, Divisional Vice Presidents and Divisional Assistant Vice Presidents, or any one of them, be and hereby is authorized, from time to time, to appoint one or more Attorneys-in-Fact to execute on behalf of the Company, as surety, any and all bonds, undertakings and contracts of suretyship, or other written obligations in the nature thereof; to prescribe their respective duties and the respective limits of their authority; and to revoke any such appointment at any time.

RESOLVED FURTHER: That the Company seal and the signature of any of the aforesaid officers and any Secretary or Assistant Secretary of the Company may be affixed by facsimile to any power of attorney or certificate of either given for the execution of any bond, undertaking, contract of suretyship, or other written obligation in the nature thereof, such signature and seal when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

CERTIFICATION

I, STEPHEN C. BERAHA, Assistant Secretary of Great American Insurance Company, do hereby certify that the foregoing Power of Attorney and the Resolutions of the Board of Directors of June 9, 2008 have not been revoked and are now in full force and effect.

Signed and sealed this 8th day of July, 2025



Atty L C. B.

Assistant Secretary



WHALCON-01

KSTEWART

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

7/9/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Athens Insurance 110 W. Washington Avenue Athens, TN 37303	CONTACT NAME:		
	PHONE (A/C, No, Ext): (423) 745-3062	FAX (A/C, No): (423) 745-8888	
	E-MAIL ADDRESS:		
	INSURER(S) AFFORDING COVERAGE		
INSURED Whaley Construction, LLC 3909 Snyder Road Kodak, TN 37764	INSURER A : The Travelers Ins. Companies		NAIC # 25658
	INSURER B : Bridgefield Casualty Ins. Co.		10335
	INSURER C : Hartford Insurance Company		19682
	INSURER D :		
	INSURER E :		
	INSURER F :		

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE		ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS				
A	X	COMMERCIAL GENERAL LIABILITY	X	X	DT-CO-4W661946-PHX-25	5/1/2025	5/1/2026	EACH OCCURRENCE	\$ 1,000,000			
		CLAIMS-MADE						X	OCCUR	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 500,000	
	X	Pollution						MED EXP (Any one person)	\$ 10,000			
	GEN'L AGGREGATE LIMIT APPLIES PER:							PERSONAL & ADV INJURY	\$ 1,000,000			
		POLICY	X	PRO-JECT		LOC	GENERAL AGGREGATE	\$ 2,000,000				
		OTHER:					PRODUCTS - COMP/OP AGG	\$ 2,000,000				
								\$				
A	X	AUTOMOBILE LIABILITY	X	X	810-4W661670-25-26-G	5/1/2025	5/1/2026	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000			
		ANY AUTO OWNED AUTOS ONLY							SCHEDULED AUTOS	BODILY INJURY (Per person)	\$	
		HIRED AUTOS ONLY							NON-OWNED AUTOS ONLY	BODILY INJURY (Per accident)	\$	
									PROPERTY DAMAGE (Per accident)	\$		
								\$				
A		UMBRELLA LIAB	X	OCCUR	CUP-4W807350-25-26	5/1/2025	5/1/2026	EACH OCCURRENCE	\$ 6,000,000			
	X	EXCESS LIAB		CLAIMS-MADE				AGGREGATE	\$ 6,000,000			
		DED	X	RETENTION \$				10,000	\$			
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY		Y / N N	N / A	X	196-57930	5/1/2025	5/1/2026	X PER STATUTE			
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)										E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below										E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
											E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
C	Leased/Rented				20MSEN3690	5/1/2025	5/1/2026		500,000			
C	Install Floater/BR				20MSEN3690	5/1/2025	5/1/2026		300,000			

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Contract No. DN01082

TIP No.: HB-0023

Federal Aid No.: 5034501

WBS Element: 50345.3.1

County: Haywood

Description: Bridge #430169 On SR 1876 (Sonoma Rd) Over West Fork Pigeon River And Bridge #430170 On SR 1105 (Max Thompson Rd) Over East Fork Pigeon River

SEE ATTACHED ACORD 101

CERTIFICATE HOLDER

CANCELLATION

NCDOT
253 Webster Rd
Sylva, NC 28779

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



ADDITIONAL REMARKS SCHEDULE

AGENCY Athens Insurance		NAMED INSURED Whaley Construction, LLC 3909 Snyder Road Kodak, TN 37764
POLICY NUMBER SEE PAGE 1		
CARRIER SEE PAGE 1	NAIC CODE SEE P 1	EFFECTIVE DATE: SEE PAGE 1

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

Description of Operations/Locations/Vehicles:
Certificate holder is listed as additional insured when required by written contract.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

Blanket Waiver of Subrogation Applies

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

Date Prepared: February 28, 2025

Carrier: Bridgefield Casualty Insurance Company

Effective Date of Endorsement: May 1, 2025

Policy Number: 196-57930

Countersigned by:

A handwritten signature in black ink, appearing to be "J. J. J.", written over a horizontal line.

Insured: Whaley Construction, LLC

WC 00 03 13 (Ed. 4-84)

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY

DESIGNATED PROJECT(S) GENERAL AGGREGATE LIMIT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Designated Project(s):

EACH "PROJECT" FOR WHICH YOU HAVE AGREED, IN A WRITTEN CONTRACT WHICH IS IN EFFECT DURING THIS POLICY PERIOD, TO PROVIDE A SEPARATE GENERAL AGGREGATE LIMIT, PROVIDED THAT THE CONTRACT IS SIGNED AND EXECUTED BY YOU BEFORE THE "BODILY INJURY" OR "PROPERTY DAMAGE" OCCURS.

Designated Project General Aggregate(s):

**GENERAL AGGREGATE
LIMIT SHOWN ON THE
DECLARATIONS**

- A.** For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under **COVERAGE A. (SECTION I)**, and for all medical expenses caused by accidents under **COVERAGE C. (SECTION I)**, which can be attributed only to operations at a single designated "project" shown in the Schedule above:
- 1.** A separate Designated Project General Aggregate Limit applies to each designated "project", and that limit is equal to the amount of the General Aggregate Limit shown in the Declarations, unless separate **Designated Project General Aggregate(s)** are scheduled above.
 - 2.** The Designated Project General Aggregate Limit is the most we will pay for the sum of all damages under **COVERAGE A.**, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard", and for medical expenses under **COVERAGE C.**, regardless of the number of:
 - a.** Insureds;
 - b.** Claims made or "suits" brought; or
 - c.** Persons or organizations making claims or bringing "suits".
- 3.** Any payments made under **COVERAGE A.** for damages or under **COVERAGE C.** for medical expenses shall reduce the Designated Project General Aggregate Limit for that designated "project". Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Designated Project General Aggregate Limit for any other designated "project" shown in the Schedule above.
- 4.** The limits shown in the Declarations for **Each Occurrence, Damage To Premises Rented To You and Medical Expense** continue to apply. However, instead of being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Designated Project General Aggregate Limit.
- B.** For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under **COVERAGE A. (SECTION I)**, and for all medical expenses caused by accidents under **COVERAGE C. (SECTION I)**, which cannot be attributed only to operations at a single designated "project" shown in the Schedule above:

COMMERCIAL GENERAL LIABILITY

1. Any payments made under **COVERAGE A.** for damages or under **COVERAGE C.** for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-Completed Operations Aggregate Limit, whichever is applicable; and
 2. Such payments shall not reduce any Designated Project General Aggregate Limit.
- C. Part 2. of SECTION III – LIMITS OF INSURANCE** is deleted and replaced by the following:
2. The General Aggregate Limit is the most we will pay for the sum of:
 - a. Damages under **Coverage B**; and
 - b. Damages from "occurrences" under **COVERAGE A (SECTION I)** and for all medical expenses caused by accidents under **COVERAGE C (SECTION I)** which cannot be attributed only to operations at a single designated "project" shown in the **SCHEDULE** above.
- D.** When coverage for liability arising out of the "products-completed operations hazard" is pro-

vided, any payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-Completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Designated Project General Aggregate Limit.

- E.** For the purposes of this endorsement the **Definitions Section** is amended by the addition of the following definition:
- "Project" means an area away from premises owned by or rented to you at which you are performing operations pursuant to a contract or agreement. For the purposes of determining the applicable aggregate limit of insurance, each "project" that includes premises involving the same or connecting lots, or premises whose connection is interrupted only by a street, roadway, waterway or right-of-way of a railroad shall be considered a single "project".
- F.** The provisions of **SECTION III – LIMITS OF INSURANCE** not otherwise modified by this endorsement shall continue to apply as stipulated.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

XTEND ENDORSEMENT FOR CONTRACTORS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

GENERAL DESCRIPTION OF COVERAGE – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to this Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

- | | |
|--|---|
| <p>A. Who Is An Insured – Unnamed Subsidiaries</p> <p>B. Blanket Additional Insured – Governmental Entities – Permits Or Authorizations Relating To Operations</p> | <p>C. Incidental Medical Malpractice</p> <p>D. Blanket Waiver Of Subrogation</p> <p>E. Contractual Liability – Railroads</p> <p>F. Damage To Premises Rented To You</p> |
|--|---|

PROVISIONS

A. WHO IS AN INSURED – UNNAMED SUBSIDIARIES

The following is added to **SECTION II – WHO IS AN INSURED**:

Any of your subsidiaries, other than a partnership, joint venture or limited liability company, that is not shown as a Named Insured in the Declarations is a Named Insured if:

- a. You are the sole owner of, or maintain an ownership interest of more than 50% in, such subsidiary on the first day of the policy period; and
- b. Such subsidiary is not an insured under similar other insurance.

No such subsidiary is an insured for "bodily injury" or "property damage" that occurred, or "personal and advertising injury" caused by an offense committed:

- a. Before you maintained an ownership interest of more than 50% in such subsidiary; or
- b. After the date, if any, during the policy period that you no longer maintain an ownership interest of more than 50% in such subsidiary.

For purposes of Paragraph 1. of Section II – Who Is An Insured, each such subsidiary will be deemed to be designated in the Declarations as:

- a. An organization other than a partnership, joint venture or limited liability company; or
- b. A trust;

as indicated in its name or the documents that govern its structure.

B. BLANKET ADDITIONAL INSURED – GOVERNMENTAL ENTITIES – PERMITS OR AUTHORIZATIONS RELATING TO OPERATIONS

The following is added to **SECTION II – WHO IS AN INSURED**:

Any governmental entity that has issued a permit or authorization with respect to operations performed by you or on your behalf and that you are required by any ordinance, law, building code or written contract or agreement to include as an additional insured on this Coverage Part is an insured, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" arising out of such operations.

The insurance provided to such governmental entity does not apply to:

- a. Any "bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the governmental entity; or
- b. Any "bodily injury" or "property damage" included in the "products-completed operations hazard".

C. INCIDENTAL MEDICAL MALPRACTICE

1. The following replaces Paragraph **b.** of the definition of "occurrence" in the **DEFINITIONS** Section:

- b.** An act or omission committed in providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to a person, unless you are in the business or occupation of providing professional health care services.

2. The following replaces the last paragraph of Paragraph **2.a.(1)** of **SECTION II – WHO IS AN INSURED**:

Unless you are in the business or occupation of providing professional health care services, Paragraphs **(1)(a)**, **(b)**, **(c)** and **(d)** above do not apply to "bodily injury" arising out of providing or failing to provide:

- (a)** "Incidental medical services" by any of your "employees" who is a nurse, nurse assistant, emergency medical technician or paramedic; or

- (b)** First aid or "Good Samaritan services" by any of your "employees" or "volunteer workers", other than an employed or volunteer doctor. Any such "employees" or "volunteer workers" providing or failing to provide first aid or "Good Samaritan services" during their work hours for you will be deemed to be acting within the scope of their employment by you or performing duties related to the conduct of your business.

3. The following replaces the last sentence of Paragraph **5.** of **SECTION III – LIMITS OF INSURANCE**:

For the purposes of determining the applicable Each Occurrence Limit, all related acts or omissions committed in providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to any one person will be deemed to be one "occurrence".

4. The following exclusion is added to Paragraph **2.**, **Exclusions**, of **SECTION I – COVERAGES – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY**:

Sale Of Pharmaceuticals

"Bodily injury" or "property damage" arising out of the violation of a penal statute or ordinance relating to the sale of

pharmaceuticals committed by, or with the knowledge or consent of, the insured.

5. The following is added to the **DEFINITIONS** Section:

"Incidental medical services" means:

- a.** Medical, surgical, dental, laboratory, x-ray or nursing service or treatment, advice or instruction, or the related furnishing of food or beverages; or

- b.** The furnishing or dispensing of drugs or medical, dental, or surgical supplies or appliances.

6. The following is added to Paragraph **4.b.**, **Excess Insurance**, of **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**:

This insurance is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to any of your "employees" for "bodily injury" that arises out of providing or failing to provide "incidental medical services" to any person to the extent not subject to Paragraph **2.a.(1)** of Section II – Who Is An Insured.

D. BLANKET WAIVER OF SUBROGATION

The following is added to Paragraph **8.**, **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**:

If the insured has agreed in a contract or agreement to waive that insured's right of recovery against any person or organization, we waive our right of recovery against such person or organization, but only for payments we make because of:

- a.** "Bodily injury" or "property damage" that occurs; or
 - b.** "Personal and advertising injury" caused by an offense that is committed;

subsequent to the execution of the contract or agreement.

E. CONTRACTUAL LIABILITY – RAILROADS

1. The following replaces Paragraph **c.** of the definition of "insured contract" in the **DEFINITIONS** Section:

- c.** Any easement or license agreement;

2. Paragraph f.(1) of the definition of "insured contract" in the **DEFINITIONS** Section is deleted.

F. DAMAGE TO PREMISES RENTED TO YOU

The following replaces the definition of "premises damage" in the **DEFINITIONS** Section:

"Premises damage" means "property damage" to:

- a. Any premises while rented to you or temporarily occupied by you with permission of the owner; or
- b. The contents of any premises while such premises is rented to you, if you rent such premises for a period of seven or fewer consecutive days.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BUSINESS AUTO EXTENSION ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

GENERAL DESCRIPTION OF COVERAGE – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to the Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Limitations and exclusions may apply to these coverages. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

- | | |
|---|---|
| A. BROAD FORM NAMED INSURED | H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT |
| B. BLANKET ADDITIONAL INSURED | I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT |
| C. EMPLOYEE HIRED AUTO | J. PERSONAL PROPERTY |
| D. EMPLOYEES AS INSURED | K. AIRBAGS |
| E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS | L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS |
| F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS | M. BLANKET WAIVER OF SUBROGATION |
| G. WAIVER OF DEDUCTIBLE – GLASS | N. UNINTENTIONAL ERRORS OR OMISSIONS |

PROVISIONS

A. BROAD FORM NAMED INSURED

The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any organization you newly acquire or form during the policy period over which you maintain 50% or more ownership interest and that is not separately insured for Business Auto Coverage. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier.

B. BLANKET ADDITIONAL INSURED

The following is added to Paragraph **c. in A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any person or organization who is required under a written contract or agreement between you and that person or organization, that is signed and executed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to be named as an additional insured is an "insured" for Covered Autos Liability Coverage, but only for damages to which

this insurance applies and only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Section II.

C. EMPLOYEE HIRED AUTO

1. The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

An "employee" of yours is an "insured" while operating an "auto" hired or rented under a contract or agreement in an "employee's" name, with your permission, while performing duties related to the conduct of your business.

2. The following replaces Paragraph **b. in B.5., Other Insurance**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

- b.** For Hired Auto Physical Damage Coverage, the following are deemed to be covered "autos" you own:

- (1) Any covered "auto" you lease, hire, rent or borrow; and
- (2) Any covered "auto" hired or rented by your "employee" under a contract in an "employee's" name, with your

COMMERCIAL AUTO

permission, while performing duties related to the conduct of your business.

However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

D. EMPLOYEES AS INSURED

The following is added to Paragraph A.1., **Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS

1. The following replaces Paragraph A.2.a.(2), of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

(2) Up to \$3,000 for cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.

2. The following replaces Paragraph A.2.a.(4), of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

(4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to \$500 a day because of time off from work.

F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS

The following replaces Subparagraph (5) in Paragraph B.7., **Policy Period, Coverage Territory**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

(5) Anywhere in the world, except any country or jurisdiction while any trade sanction, embargo, or similar regulation imposed by the United States of America applies to and prohibits the transaction of business with or within such country or jurisdiction, for Covered Autos Liability Coverage for any covered "auto" that you lease, hire, rent or borrow without a driver for a period of 30 days or less and that is not an "auto" you lease, hire, rent or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited liability company) or members of their households.

(a) With respect to any claim made or "suit" brought outside the United States of America, the territories and possessions of the United States of America, Puerto Rico and Canada:

(i) You must arrange to defend the "insured" against, and investigate or settle any such claim or "suit" and keep us advised of all proceedings and actions.

(ii) Neither you nor any other involved "insured" will make any settlement without our consent.

(iii) We may, at our discretion, participate in defending the "insured" against, or in the settlement of, any claim or "suit".

(iv) We will reimburse the "insured" for sums that the "insured" legally must pay as damages because of "bodily injury" or "property damage" to which this insurance applies, that the "insured" pays with our consent, but only up to the limit described in Paragraph C., **Limits Of Insurance**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**.

(v) We will reimburse the "insured" for the reasonable expenses incurred with our consent for your investigation of such claims and your defense of the "insured" against any such "suit", but only up to and included within the limit described in Paragraph C., **Limits Of Insurance**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**, and not in addition to such limit. Our duty to make such payments ends when we have used up the applicable limit of insurance in payments for damages, settlements or defense expenses.

(b) This insurance is excess over any valid and collectible other insurance available to the "insured" whether primary, excess, contingent or on any other basis.

(c) This insurance is not a substitute for required or compulsory insurance in any country outside the United States, its territories and possessions, Puerto Rico and Canada.

You agree to maintain all required or compulsory insurance in any such country up to the minimum limits required by local law. Your failure to comply with compulsory insurance requirements will not invalidate the coverage afforded by this policy, but we will only be liable to the same extent we would have been liable had you complied with the compulsory insurance requirements.

- (d) It is understood that we are not an admitted or authorized insurer outside the United States of America, its territories and possessions, Puerto Rico and Canada. We assume no responsibility for the furnishing of certificates of insurance, or for compliance in any way with the laws of other countries relating to insurance.

G. WAIVER OF DEDUCTIBLE – GLASS

The following is added to Paragraph **D.**, **Deductible**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

No deductible for a covered "auto" will apply to glass damage if the glass is repaired rather than replaced.

H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT

The following replaces the last sentence of Paragraph **A.4.b.**, **Loss Of Use Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

However, the most we will pay for any expenses for loss of use is \$65 per day, to a maximum of \$750 for any one "accident".

I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT

The following replaces the first sentence in Paragraph **A.4.a.**, **Transportation Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

We will pay up to \$50 per day to a maximum of \$1,500 for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type.

J. PERSONAL PROPERTY

The following is added to Paragraph **A.4.**, **Coverage Extensions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Personal Property

We will pay up to \$400 for "loss" to wearing apparel and other personal property which is:

- (1) Owned by an "insured"; and

- (2) In or on your covered "auto".

This coverage applies only in the event of a total theft of your covered "auto".

No deductibles apply to this Personal Property coverage.

K. AIRBAGS

The following is added to Paragraph **B.3.**, **Exclusions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Exclusion **3.a.** does not apply to "loss" to one or more airbags in a covered "auto" you own that inflate due to a cause other than a cause of "loss" set forth in Paragraphs **A.1.b.** and **A.1.c.**, but only:

- a. If that "auto" is a covered "auto" for Comprehensive Coverage under this policy;
- b. The airbags are not covered under any warranty; and
- c. The airbags were not intentionally inflated.

We will pay up to a maximum of \$1,000 for any one "loss".

L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS

The following is added to Paragraph **A.2.a.**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

Your duty to give us or our authorized representative prompt notice of the "accident" or "loss" applies only when the "accident" or "loss" is known to:

- (a) You (if you are an individual);
- (b) A partner (if you are a partnership);
- (c) A member (if you are a limited liability company);
- (d) An executive officer, director or insurance manager (if you are a corporation or other organization); or
- (e) Any "employee" authorized by you to give notice of the "accident" or "loss".

M. BLANKET WAIVER OF SUBROGATION

The following replaces Paragraph **A.5.**, **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

5. Transfer Of Rights Of Recovery Against Others To Us

We waive any right of recovery we may have against any person or organization to the extent required of you by a written contract signed and executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of operations contemplated by

COMMERCIAL AUTO

such contract. The waiver applies only to the person or organization designated in such contract.

N. UNINTENTIONAL ERRORS OR OMISSIONS

The following is added to Paragraph B.2., **Concealment, Misrepresentation, Or Fraud**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

The unintentional omission of, or unintentional error in, any information given by you shall not prejudice your rights under this insurance. However this provision does not affect our right to collect additional premium or exercise our right of cancellation or non-renewal.



Report Claims Immediately by Calling*

1-877-828-4132

*Speak directly with a claim professional
24 hours a day, 365 days a year*

*Unless Your Policy Requires Written Notice or Reporting

**EXCESS FOLLOW-FORM
AND UMBRELLA LIABILITY
INSURANCE POLICY**

A Custom Insurance Policy Prepared for:

WHALEY CONSTRUCTION LLC
3909 SNYDER ROAD
KODAK TN 37764

This policy consists of this policy cover, the Policy Declarations and the Policy Forms, and endorsements listed in that declaration form.

In return for payment of the premium, we agree with the Named Insured to provide the insurance afforded by this policy. That insurance will be provided by the company indicated as insuring company in the Declarations by the abbreviation of its name.

The company listed below (a stock company) has executed this policy, but it is valid only if countersigned on the Declarations by our authorized representative.

TRAVELERS PROPERTY CASUALTY COMPANY OF AMERICA (TIL)



President



Secretary

POLICY NUMBER: CUP-4W807350-25-26

EFFECTIVE DATE: 05/01/2025

ISSUE DATE: 05/15/2025

LISTING OF FORMS, ENDORSEMENTS AND SCHEDULE NUMBERS

THIS LISTING SHOWS THE NUMBER OF FORMS, SCHEDULES AND ENDORSEMENTS
BY LINE OF BUSINESS

IL T8 01 01 01 FORMS ENDORSEMENTS AND SCHEDULE NUMBERS

UMBRELLA / EXCESS

EU 00 02 09 20	POLICY DECLARATIONS EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE POLICY
EU 00 03 08 18	SCHEDULE OF UNDERLYING INSURANCE
EU 00 01 07 16	EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE
EU 02 34 07 16	AMENDMENT OF COVERAGE - DEFINITIONS
EU 03 21 08 18	AUTO POLLUTION EXCLUSION WITH LIMITED EXCEPTIONS - COVERAGE A
EU 03 35 08 18	FUNGI OR BACTERIA EXCLUSION - COVERAGE B
EU 03 46 08 18	NON CUMULATION OF OCCURRENCE LIMIT
EU 01 44 07 16	COVERAGE FOR FINANCIAL INTEREST IN FOREIGN INSURED ORGANIZATIONS
EU 00 07 07 16	CAP LOSSES - CERT ACTS TERRORISM AND EXCL
EU 01 46 12 23	CLAIMS BY NAMED INSUREDS AGAINST OTHER NAMED INSUREDS EXCLUSION - COVERAGES A AND B
EU 02 09 08 18	NUCLEAR ENERGY LIABILITY EXCLUSION (BROAD FORM) - COVERAGES A AND B
EU 02 16 04 20	POLLUTION NOT RELATED TO AUTOS EXCLUSION WITH LIMITED EXCEPTIONS - COVERAGE A
EU 03 12 10 20	AIR LIAB EXCL-SERV FOR HIRE LTD EXCEPT
EU 03 22 12 23	CONSTRUCTION IDENTIFIED HAZARDS EXCLUSIONS - COVERAGE B
EU 03 31 08 18	DISCRIMINATION EXCLUSION - COVERAGE B
EU 03 44 08 18	LEAD EXCLUSION - COVERAGE B
EU 03 63 08 18	SILICA OR SILICA-RELATED DUST EXCLUSION - COVERAGE B
EU 04 21 09 21	INTELLECTUAL PROPERTY EXCLUSION - COVERAGE B
EU 04 44 01 23	VIOLATION OF BIOMETRIC INFORMATION PRIVACY LAWS EXCLUSION - COVERAGE B
EU 00 69 07 16	TENNESSEE CHANGES - CANCELLATION AND NONRENEWAL

INTERLINE ENDORSEMENTS

IL T3 68 01 21 FEDERAL TERRORISM RISK INSURANCE ACT DISCLOSURE

POLICY HOLDER NOTICES

PN T1 94 11 21 IMPORTANT NOTICE - LEAD EXCLUSION

**POLICY DECLARATIONS
EXCESS FOLLOW-FORM AND UMBRELLA
LIABILITY INSURANCE POLICY****POLICY NO.:** CUP-4W807350-25-26
ISSUE DATE: 05/15/2025**INSURING COMPANY:** TRAVELERS PROPERTY CASUALTY COMPANY OF AMERICA**1. NAMED INSURED AND MAILING ADDRESS:** WHALEY CONSTRUCTION LLC
3909 SNYDER ROAD
KODAK TN 37764**2. POLICY PERIOD:** From 05/01/2025 to 05/01/2026 12:01 A.M. Standard Time at your mailing address.**3. LIMITS OF INSURANCE:**

COVERAGES		LIMITS OF LIABILITY
AGGREGATE LIMITS OF LIABILITY	\$6,000,000	General Aggregate
	\$6,000,000	Products-Completed Operations Aggregate
EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY	\$6,000,000	Occurrence Limit
CRISIS MANAGEMENT SERVICE EXPENSES	\$50,000	all Crisis Management Events
4. SELF-INSURED RETENTION:	\$10,000	any one occurrence or event
5. PREMIUM: \$ ~~5000~~	x Flat Charge	Adjustable (See Premium Schedule)

6. TAXES AND SURCHARGES:

7. On the effective date shown in Item 2., the Excess Follow-Form And Umbrella Liability Insurance Policy numbered above includes this Declarations Page and any forms and endorsements shown on the Listing Of Forms, Endorsements And Schedule Numbers.

8. If the Schedule Of Underlying Insurance includes any coverage provided on a claims-made basis, then the following disclaimer applies.

COVERAGE WILL APPLY ON A CLAIMS-MADE BASIS WHEN FOLLOWING CLAIMS-MADE UNDERLYING INSURANCE.

9. If the Schedule Of Underlying Insurance includes any coverage which includes defense expenses within the limits of liability, then the following disclaimer applies:

DEFENSE EXPENSES ARE PAYABLE WITHIN, AND ARE NOT IN ADDITION TO, THE LIMITS OF INSURANCE WITH RESPECT TO SOME OR ALL OF THE COVERAGES PROVIDED.

NAME AND ADDRESS OF AGENT OR BROKER:ATHENS INS AGENCY - HG622
PO BOX 809
ATHENS TN 373710809**COUNTERSIGNED BY:**_____
Authorized Representative

DATE: _____

OFFICE: SP-NASHVILLE

POLICY NUMBER: CUP-4W807350-25-26

UMBRELLA
ISSUE DATE: 05/15/2025

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

SCHEDULE OF UNDERLYING INSURANCE

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

Automobile Liability

Carrier **THE TRAVELERS INDEMNITY
COMPANY**

Policy Number 810-004W661670-25

Policy Period

From: 05/01/2025

to: 05/01/2026

Limits Of Liability

**Bodily Injury And Property
Damage Combined Single
Limit** \$1,000,000

Employee Benefits Liability

Carrier **THE PHOENIX INSURANCE COMPANY**

Policy Number CO-4W661946-25

Policy Period

From: 05/01/2025

to: 05/01/2026

Limits Of Liability

Each Employee \$1,000,000

Aggregate \$2,000,000

Commercial General Liability

Carrier **THE PHOENIX INSURANCE COMPANY**

Policy Number CO-4W661946-25

Policy Period

From: 05/01/2025

to: 05/01/2026

Limits Of Liability

General Aggregate \$2,000,000

**Products-Completed
Operations Aggregate** \$2,000,000

**Personal and
Advertising Injury** \$1,000,000

Each Occurrence \$1,000,000

PRODUCER:ATHENS INS AGENCY

OFFICE:SP-NASHVILLE 06N

EU 00 03 08 18

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POLICY NUMBER: CUP-4W807350-25-26

UMBRELLA
ISSUE DATE: 05/15/2025

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

SCHEDULE OF UNDERLYING INSURANCE

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

Employers Liability

Carrier **BRIDGEFIELD CASUALTY**

Policy Number **196-57930**

Policy Period

From: **05/01/2025**

to: **05/01/2026**

Limits Of Liability

Bodily Injury By Accident **\$1,000,000***
Each Accident

Bodily Injury By Disease **\$1,000,000***
Policy Limit

Bodily Injury By Disease **\$1,000,000***
Each Employee

*UNLIMITED IN THE STATE OF NEW YORK FOR
SUBJECT EMPLOYEES

Limits Of Liability

Carrier

Policy Number

Policy Period

From:

to:

Limits Of Liability

Carrier

Policy Number

Policy Period

From:

to:

PRODUCER:ATHENS INS AGENCY

OFFICE:SP-NASHVILLE 06N

EU 00 03 08 18

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EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

THIS POLICY, INPART, PROVIDES FOLLOW-FORM LIABILITY COVERAGE. COVERAGE WILL APPLY ON A CLAIMS-MADE BASIS WHEN FOLLOWING CLAIMS-MADE UNDERLYING INSURANCE.

COVERAGE WILL APPLY ON A DEFENSE-WITHIN-LIMITS BASIS WHEN FOLLOWING UNDERLYING INSURANCE UNDER WHICH DEFENSE EXPENSES ARE PAYABLE WITHIN, AND NOT IN ADDITION TO, THE LIMITS OF INSURANCE. WHEN FOLLOWING SUCH UNDERLYING INSURANCE, PAYMENT OF DEFENSE EXPENSES UNDER THIS POLICY WILL REDUCE, AND MAY EXHAUST, THE LIMITS OF INSURANCE OF THIS POLICY.

PLEASE READ THE ENTIRE POLICY CAREFULLY.

Various provisions in this policy restrict coverage. Read the entire policy carefully to determine rights, duties and what is and is not covered.

Throughout this policy, the words "you" and "your" refer to the Named Insured shown in the Declarations and any other person or organization qualifying as a Named Insured under this policy. The words "we", "us" and "our" refer to the company providing this insurance.

The word "insured" means any person or organization qualifying as such under **SECTION II – WHO IS AN INSURED**.

Other words and phrases that appear in quotation marks have special meaning. Refer to **SECTION VI – DEFINITIONS**.

SECTION I – COVERAGES

A. COVERAGE A – EXCESS FOLLOW-FORM LIABILITY

1. We will pay on behalf of the insured those sums, in excess of the "applicable underlying limit", that the insured becomes legally obligated to pay as damages to which Coverage A of this insurance applies, provided that the "underlying insurance" would apply to such damages but for the exhaustion of its applicable limits of insurance. If a sublimit is specified in any "underlying insurance", Coverage A of this insurance applies to damages that are in excess of that sublimit only if such sublimit is shown for that "underlying insurance" in the Schedule Of Underlying Insurance.
2. Coverage A of this insurance is subject to the same terms, conditions, agreements, exclusions and definitions as the "underlying insurance", except with respect to any

provisions to the contrary contained in this insurance.

3. The amount we will pay for damages is limited as described in **SECTION III – LIMITS OF INSURANCE**.
4. For the purposes of Paragraph 1. above:
 - a. The applicable limit of insurance stated for the policies of "underlying insurance" in the Schedule Of Underlying Insurance will be considered to be reduced or exhausted only by the following payments:
 - (1) Payments of judgments or settlements for damages that are covered by that "underlying insurance". However, if such "underlying insurance" has a policy period which differs from the policy period of this Excess Follow-Form And Umbrella Liability Insurance, any such payments for damages that would not be covered by this Excess Follow-Form And Umbrella Liability

UMBRELLA

Insurance because of its different policy period will not reduce or exhaust the applicable limit of insurance stated for such "underlying insurance";

- (2) Payments of "medical expenses" that are covered by that "underlying insurance" and are incurred for "bodily injury" caused by an accident that takes place during the policy period of this Excess Follow-Form And Umbrella Liability Insurance; or
- (3) Payments of defense expenses that are covered by that "underlying insurance", only if such "underlying insurance" includes such payments within the limits of insurance. However, if such "underlying insurance" has a policy period which differs from the policy period of this Excess Follow-Form And Umbrella Liability Insurance, any such payments for defense expenses that would not be covered by this Excess Follow-Form And Umbrella Liability Insurance because of its different policy period will not reduce or exhaust the applicable limit of insurance stated for such "underlying insurance".

If the applicable limit of insurance stated for the policies of "underlying insurance" in the Schedule Of Underlying Insurance is actually reduced or exhausted by other payments, Coverage A of this insurance is not invalidated. However, in the event of a loss, we will pay only to the extent that we would have paid had such limit not been actually reduced or exhausted by such other payments.

- b. If any "underlying insurance" has a limit of insurance greater than the amount shown for that insurance in the Schedule of Underlying Insurance, this insurance will apply in excess of that greater amount. If any "underlying insurance" has a limit of insurance, prior to any reduction or exhaustion by payment of damages, "medical expenses" or defense expenses described in Paragraph a. above, that is less than the amount shown for that insurance in the Schedule Of Underlying Insurance, this insurance will apply in excess of the amount shown for such insurance in the Schedule Of Underlying Insurance.
5. When the "underlying insurance" applies on a claims-made basis and includes a retroactive

date provision, the retroactive date for Coverage A of this insurance is the same as the retroactive date of that "underlying insurance".

B. COVERAGE B – UMBRELLA LIABILITY

1. We will pay on behalf of the insured those sums in excess of the "self-insured retention" that the insured becomes legally obligated to pay as damages because of "bodily injury", "property damage", "personal injury" or "advertising injury" to which Coverage B of this insurance applies.
2. Coverage B of this insurance applies to "bodily injury" or "property damage" only if:
 - a. The "bodily injury" or "property damage" is caused by an "occurrence" that takes place anywhere in the world;
 - b. The "bodily injury" or "property damage" occurs during the policy period; and
 - c. Prior to the policy period, no insured listed under Paragraph 1. in Paragraph B., **COVERAGE B – UMBRELLA LIABILITY**, of **SECTION II – WHO IS AN INSURED** and no "employee" authorized by you to give or receive notice of an "occurrence" or claim, knew that the "bodily injury" or "property damage" had occurred, in whole or in part. If such a listed insured or authorized "employee" knew, prior to the policy period, that the "bodily injury" or "property damage" occurred, in whole or in part, then any continuation, change or resumption of such "bodily injury" or "property damage" during or after the policy period will be deemed to have been known prior to the policy period.
3. Coverage B of this insurance applies to "personal injury" or "advertising injury" caused by an offense arising out of your business, but only if the offense was committed during the policy period anywhere in the world.
4. The amount we will pay for damages is limited as described in **SECTION III – LIMITS OF INSURANCE**.
5. "Bodily injury" or "property damage":
 - a. Which occurs during the policy period; and
 - b. Which was not prior to, but was during, the policy period known to have occurred by any insured listed under Paragraph 1. in Paragraph B., **COVERAGE B – UMBRELLA LIABILITY** of **SECTION II – WHO IS AN INSURED**, or any "employee" authorized by you to give notice of an "occurrence" or claim;

includes any continuation, change or resumption of the "bodily injury" or "property damage" after the end of the policy period.

6. "Bodily injury" or "property damage" will be deemed to have been known to have occurred at the earliest time when any insured listed under Paragraph 1. in Paragraph B., **COVERAGE B – UMBRELLA LIABILITY**, of **SECTION II – WHO IS AN INSURED** or any "employee" authorized by you to give or receive notice of an "occurrence" or claim:

- a. Reports all, or any part, of the "bodily injury" or "property damage" to us or any other insurer;
- b. Receives a written or verbal demand or claim for damages because of the "bodily injury" or "property damage"; or
- c. Becomes aware by any other means that the "bodily injury" or "property damage" has occurred or has begun to occur.

7. Damages because of "bodily injury" include damages claimed by any person or organization for care, loss of services or death resulting at any time from the "bodily injury".

8. Coverage B of this insurance does not apply to damages covered by any "underlying insurance" or that would have been covered by any "underlying insurance" but for the exhaustion of its applicable limit of insurance.

C. **COVERAGE C – CRISIS MANAGEMENT SERVICE EXPENSES**

1. We will reimburse the insured, or pay on the insured's behalf, "crisis management service expenses" to which Coverage C applies.
2. Coverage C of this insurance applies to "crisis management service expenses" that:
 - a. Arise out of a "crisis management event" that first commences during the policy period;
 - b. Are incurred by the insured, after a "crisis management event" first commences and before such event ends; and
 - c. Are submitted to us within 180 days after the "crisis management advisor" advises you that the "crisis management event" no longer exists.
3. A "crisis management event" will be deemed to:
 - a. First commence at the time when any "executive officer" first becomes aware of an "event" or "occurrence" that leads to that "crisis management event"; and
 - b. End when we decide that the crisis no longer exists or when the Crisis

Management Service Expenses Limit has been exhausted, whichever occurs first.

4. The amount we will pay for "crisis management service expenses" is limited as described in **SECTION III – LIMITS OF INSURANCE**.
5. A "self-insured retention" does not apply to "crisis management service expenses".
6. Any payment of "crisis management service expenses" that we make will not be determinative of our obligations under this insurance with respect to any claim or "suit" or create any duty to defend or indemnify any insured for any claim or "suit".

D. **DEFENSE AND SUPPLEMENTARY PAYMENTS**

1. We will have the right and duty to defend the insured:
 - a. Under Coverage A, against a "suit" seeking damages to which such coverage applies, if:
 - (1) The "applicable underlying limit" is the applicable limit of insurance stated for a policy of "underlying insurance" in the Schedule Of Underlying Insurance and such limit has been exhausted solely due to payments as permitted in Paragraphs 4.a.(1), (2) and (3) of **COVERAGE A – EXCESS FOLLOW-FORM LIABILITY** of **SECTION I – COVERAGES**; or
 - (2) The "applicable underlying limit" is the applicable limit of any "other insurance" and such limit has been exhausted by payments of judgments, settlements or medical expenses, or related costs or expenses (if such costs or expenses reduce such limits).

For any "suit" for which we have the right and duty to defend the insured under Coverage A, defense expenses will be within the limits of insurance of this policy when such expenses are within the limits of insurance of the applicable "underlying insurance"; or

- b. Under Coverage B, against a "suit" seeking damages to which such coverage applies.
2. We have no duty to defend any insured against any "suit":
 - a. Seeking damages to which this insurance does not apply; or
 - b. If any other insurer has a duty to defend.

UMBRELLA

3. When we have the duty to defend, we may, at our discretion, investigate and settle any claim or "suit". In all other cases, we may, at our discretion, participate in the investigation, defense and settlement of any claim or "suit" for damages to which this insurance may apply. If we exercise such right to participate, all expenses we incur in doing so will not reduce the applicable limits of insurance.
4. Our duty to defend ends when we have used up the applicable limit of insurance in the payment of judgments or settlements, or defense expenses if such expenses are within the limits of insurance of this policy.
5. We will pay, with respect to a claim we investigate or settle, or "suit" against an insured we defend:
 - a. All expenses we incur.
 - b. The cost of:
 - (1) Bail bonds required because of accidents or traffic law violations arising out of the use of any vehicle to which this insurance applies; or
 - (2) Appeal bonds and bonds to release attachments;but only for bond amounts within the applicable limit of insurance. We do not have to furnish these bonds.
 - c. All reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of such claim or "suit", including actual loss of earnings up to \$1,000 a day because of time off from work.
 - d. All court costs taxed against the insured in the "suit". However, these payments do not include attorneys' fees or attorneys' expenses taxed against the insured.
 - e. Prejudgment interest awarded against the insured on that part of the judgment we pay. If we make an offer to pay the applicable limit of insurance, we will not pay any prejudgment interest based on that period of time after the offer.
 - f. All interest that accrues on the full amount of any judgment after entry of the judgment and before we have paid, offered to pay or deposited in court the part of the judgment that is within the applicable limit of insurance. If we do not pay part of the judgment for any reason other than it is more than the applicable limit of insurance, we will not pay any interest that accrues on that portion of the judgment.

With respect to a claim we investigate or settle, or "suit" against an insured we defend under **COVERAGE A – EXCESS FOLLOW-FORM LIABILITY**, these payments will not reduce the applicable limits of insurance, but only if the applicable "underlying insurance" provides for such payments in addition to its limits of insurance. With respect to a claim we investigate or settle, or "suit" against an insured we defend under **COVERAGE B – UMBRELLA LIABILITY**, these payments will not reduce the applicable limits of insurance.

SECTION II – WHO IS AN INSURED

A. COVERAGE A – EXCESS FOLLOW-FORM LIABILITY

With respect to Coverage A, the following persons and organizations qualify as insureds:

1. The Named Insured shown in the Declarations; and
2. Any other person or organization qualifying as an insured in the "underlying insurance". If you have agreed to provide insurance for that person or organization in a written contract or agreement:
 - a. The limits of insurance afforded to such person or organization will be:
 - (1) The amount by which the minimum limits of insurance you agreed to provide such person or organization in that written contract or agreement exceed the total limits of insurance of all applicable "underlying insurance"; or
 - (2) The limits of insurance of this policy; whichever is less; and
 - b. Coverage under this policy does not apply to such person or organization if the minimum limits of insurance you agreed to provide such person or organization in that written contract or agreement are wholly within the total limits of insurance of all available applicable "underlying insurance".

B. COVERAGE B – UMBRELLA LIABILITY

With respect to Coverage B:

1. The Named Insured shown in the Declarations is an insured.
2. If you are:
 - a. An individual, your spouse is also an insured, but only with respect to the conduct of a business of which you are the sole owner.

- b. A partnership or joint venture, your members, your partners and their spouses are also insureds, but only with respect to the conduct of your business.
 - c. A limited liability company, your members are also insureds, but only with respect to the conduct of your business. Your managers are also insureds, but only with respect to their duties as your managers.
 - d. An organization other than a partnership, joint venture or limited liability company, your "officers" and directors are also insureds, but only with respect to their duties as your "officers" or directors. Your stockholders are also insureds, but only with respect to their liability as stockholders.
 - e. A trust, your trustees are also insureds, but only with respect to their duties as trustees.
3. Each of the following is also an insured:
- a. Your "volunteer workers" only while performing duties related to the conduct of your business, or your "employees", other than either your "officers" (if you are an organization other than a partnership, joint venture or limited liability company) or your managers (if you are a limited liability company), but only for acts within the scope of their employment by you or while performing duties related to the conduct of your business. However, none of these "employees" or "volunteer workers" are insureds for:
 - (1) "Bodily injury" or "personal injury":
 - (a) To you, to your partners or members (if you are a partnership or joint venture), to your members (if you are a limited liability company), to a co-"employee" while in the course of his or her employment or performing duties related to the conduct of your business, or to your other "volunteer workers" while performing duties related to the conduct of your business;
 - (b) To the spouse, child, parent, brother or sister of that co-"employee" or "volunteer worker" as a consequence of Paragraph (1)(a) above;
 - (c) For which there is any obligation to share damages with or repay someone else who must pay

damages because of the injury described in Paragraph (1)(a) or (b) above; or

- (d) Arising out of his or her providing or failing to provide professional health care services.

Unless you are in the business or occupation of providing professional health care services, Paragraphs (1)(a), (b), (c) and (d) above do not apply to "bodily injury" arising out of providing or failing to provide first aid or "Good Samaritan services" by any of your "employees" or "volunteer workers" other than an employed or volunteer doctor. Any such "employees" or "volunteer workers" providing or failing to provide first aid or "Good Samaritan services" during their work hours for you will be deemed to be acting within the scope of their employment by you or performing duties related to the conduct of your business.

- (2) "Property damage" to property:

- (a) Owned, occupied or used by; or
- (b) Rented to, in the care, custody or control of, or over which physical control is being exercised for any purpose by;

you, any of your "employees" or "volunteer workers", any of your partners or members (if you are a partnership or joint venture), or any of your members (if you are a limited liability company).

- b. Any person (other than your "employee" or "volunteer worker"), or any organization, while acting as your real estate manager.
 - c. Any person or organization having proper temporary custody of your property if you die, but only:
 - (1) With respect to liability arising out of the maintenance or use of that property; and
 - (2) Until your legal representative has been appointed.
 - d. Your legal representative if you die, but only with respect to duties as such. That representative will have all your rights and duties under this insurance.
4. Any organization, other than a partnership, joint venture or limited liability company, of which you are the sole owner, or in which you

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maintain an ownership interest of more than 50%, on the first day of the policy period is an insured and will qualify as a Named Insured. No such organization is an insured or will qualify as a Named Insured for "bodily injury" or "property damage" that occurred, or "personal injury" or "advertising injury" caused by an offense committed after the date, if any, during the policy period, that you no longer maintain an ownership interest of more than 50% in such organization.

5. Any organization you newly acquire or form, other than a partnership, joint venture or limited liability company, and of which you are the sole owner, or in which you maintain an ownership interest of more than 50%, is an insured and will qualify as a Named Insured if there is no other similar insurance available to that organization. However:
 - a. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier; and
 - b. Coverage for such organization does not apply to:
 - (1) "Bodily injury" or "property damage" that occurred; or
 - (2) "Personal injury" or "advertising injury" arising out of an offense committed; before you acquired or formed the organization.

No person or organization is an insured or will qualify as a Named Insured with respect to the conduct of any current or past partnership, joint venture or limited liability company that is not shown as a Named Insured in the Declarations. This paragraph does not apply to any such partnership, joint venture or limited liability company that otherwise qualifies as an insured under Paragraph B. of **SECTION II – WHO IS AN INSURED**.

C. COVERAGE C – CRISIS MANAGEMENT SERVICE EXPENSES

With respect to Coverage C, the following persons and organizations are insureds and will qualify as Named Insureds:

1. The Named Insured shown in the Declarations.
2. Any organization, other than a partnership, joint venture or limited liability company, of which you are the sole owner, or in which you maintain an ownership interest of more than 50%, on the first day of the policy period. No such organization is an insured or will qualify as a Named Insured for "crisis management service expenses" arising out of a "crisis management event" that first commences after

the date, if any, during the policy period, that you no longer maintain an ownership interest of more than 50% in such organization.

3. Any organization you newly acquire or form, other than a partnership, joint venture or limited liability company, and of which you are the sole owner, or in which you maintain an ownership interest of more than 50%, if there is no other similar insurance available to that organization. However:
 - a. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier; and
 - b. Coverage for such organization does not apply to "crisis management service expenses" arising out of a "crisis management event" that occurred before you acquired or formed the organization, even if an "executive officer" only first becomes aware of an "event" or "occurrence" that leads to such "crisis management event" after the date you acquired or formed the organization.

No person or organization is an insured or will qualify as a Named Insured with respect to the conduct of any current or past partnership, joint venture or limited liability company that is not shown as a Named Insured in the Declarations.

SECTION III – LIMITS OF INSURANCE

- A. The Limits of Insurance shown in the Declarations and the rules below fix the most we will pay for the amounts described below to which this insurance applies regardless of the number of:

1. Insureds;
2. Claims made or "suits" brought;
3. Number of vehicles involved;
4. Persons or organizations making claims or bringing "suits"; or
5. Coverages provided under this insurance.

As indicated in Paragraph D.1. of **SECTION I – COVERAGES**, for any "suit" for which we have the right and duty to defend the insured under Coverage A, defense expenses will be within the limits of insurance of this policy when such expenses are within the limits of insurance of the applicable "underlying insurance".

- B. The General Aggregate Limit is the most we will pay for the sum of all:

1. Damages; and
2. Defense expenses if such expenses are within the limits of insurance of this policy;

except:

1. Damages and defense expenses because of "bodily injury" or "property damage" included in the "auto hazard";
 2. Damages and defense expenses because of "bodily injury" or "property damage" included in the "products-completed operations hazard"; or
 3. Damages and defense expenses for which insurance is provided under any Aircraft Liability coverage included as "underlying insurance" to which no aggregate limit applies.
- C. The Products-Completed Operations Aggregate Limit is the most we will pay for the sum of all:
1. Damages; and
 2. Defense expenses if such expenses are within the limits of insurance of this policy; because of "bodily injury" or "property damage" included in the "products-completed operations hazard".
- D. Subject to Paragraph B. or C. above, whichever applies, the Occurrence Limit is the most we will pay for the sum of all:
1. Damages, and defense expenses if such expenses are within the limits of insurance of this policy, under Coverage A arising out of any one "event" to which the "underlying insurance" applies a limit of insurance that is separate from any aggregate limit of insurance; and
 2. Damages under Coverage B because of all "bodily injury", "property damage", "personal injury" or "advertising injury" arising out of any one "occurrence".
- For the purposes of determining the applicable Occurrence Limit, all related acts or omissions committed in the providing or failing to provide first aid or "Good Samaritan services" to any one person will be considered one "occurrence".
- E. The Crisis Management Service Expenses Limit is the most we will pay for the sum of all "crisis management service expenses" arising out of all "crisis management events". Payment of such "crisis management service expenses" is in addition to, and will not reduce, any other limit of insurance of this policy.
- F. The limits of insurance of this policy apply separately to each consecutive annual period and to any remaining period of less than 12 months, starting with the beginning of the policy period shown in the Declarations. If the policy period is extended after issuance for an additional period of less than 12 months, the additional period will be deemed part of the last preceding period for purposes of determining the limits of insurance.

SECTION IV – EXCLUSIONS

This insurance does not apply to:

- A. With respect to Coverage A and Coverage B:

1. Asbestos

- a. Damages arising out of the actual or alleged presence or actual, alleged or threatened dispersal of asbestos, asbestos fibers or products containing asbestos, provided that the damages are caused or contributed to by the hazardous properties of asbestos.
- b. Damages arising out of the actual or alleged presence or actual, alleged or threatened dispersal of any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapors, soot, fumes, acids, alkalis, chemicals and waste, and that are part of any claim or "suit" which also alleges any damages described in Paragraph a. above.
- c. Any loss, cost or expense arising out of any:
 - (1) Request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, asbestos, asbestos fibers or products containing asbestos; or
 - (2) Claim or "suit" by or on behalf of any governmental authority or any other person or organization because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, asbestos, asbestos fibers or products containing asbestos.

2. Employment-Related Practices

Damages because of injury to:

- a. A person arising out of any:
 - (1) Refusal to employ that person;
 - (2) Termination of that person's employment; or
 - (3) Employment-related practice, policy, act or omission, such as coercion, demotion, evaluation, reassignment, discipline, failure to promote or advance, harassment, humiliation, discrimination, libel, slander, violation of the person's right of privacy, malicious prosecution or false arrest, detention or imprisonment, applied to or directed at that person, regardless of whether such practice, policy, act or omission occurs, is applied or is

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committed before, during or after the time of that person's employment; or

- b. The spouse, child, parent, brother or sister of that person as a consequence of injury to that person as described in Paragraphs a.(1), (2) or (3) above.

This exclusion applies:

- a. Whether the insured may be liable as an employer or in any other capacity; and
- b. To any obligation to share damages with or repay someone else who must pay damages because of the injury.

3. ERISA, COBRA And Similar Laws

Any obligation of the insured under:

- a. The Employees Retirement Income Security Act Of 1974 (ERISA) or any of its amendments;
- b. The Consolidated Omnibus Budget Reconciliation Act of 1985 (COBRA) or any of its amendments; or
- c. Any similar common or statutory law of any jurisdiction.

4. Medical Expenses Or Payments

Any obligation of the insured under any "medical expenses" or medical payments coverage.

5. Nuclear Material

Damages arising out of:

- a. The actual, alleged or threatened exposure of any person or property to; or
- b. The "hazardous properties" of; any "nuclear material".

As used in this exclusion:

- a. "Hazardous properties" includes radioactive, toxic or explosive properties;
- b. "Nuclear material" means "source material", "special nuclear material" or "by-product material"; and
- c. "Source material", "special nuclear material" and "by-product material" have the meanings given them in the Atomic Energy Act of 1954 or any of its amendments.

6. Uninsured or Underinsured Motorists, No-Fault And Similar Laws

Any liability imposed on the insured, or the insured's insurer, under any of the following laws:

- a. Uninsured motorists;
- b. Underinsured motorists;

- c. Auto no-fault or other first-party personal injury protection (PIP);
- d. Supplementary uninsured/underinsured motorists (New York); or
- e. Medical expense benefits and income loss benefits (Virginia).

7. War

Damages arising out of:

- a. War, including undeclared or civil war; or
- b. Warlike action by a military force, including action in hindering or defending against an actual or expected attack, by any government, sovereign or other authority using military personnel or other agents; or
- c. Insurrection, rebellion, revolution, usurped power or action taken by governmental authority in hindering or defending against any of these.

8. Workers Compensation And Similar Laws

Any obligation of the insured under a workers compensation, disability benefits or unemployment compensation law or any similar law.

B. With respect to Coverage B:

1. Expected Or Intended Bodily Injury Or Property Damage

"Bodily injury" or "property damage" expected or intended from the standpoint of the insured. This exclusion does not apply to "bodily injury" or "property damage" resulting from the use of reasonable force to protect persons or property.

2. Contractual Liability

"Bodily injury", "property damage", "personal injury" or "advertising injury" for which the insured is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that the insured would have in the absence of the contract or agreement.

3. Liquor Liability

"Bodily injury" or "property damage" for which any insured may be liable by reason of:

- a. Causing or contributing to the intoxication of any person, including causing or contributing to the intoxication of any person because alcoholic beverages were permitted to be brought on your premises for consumption on your premises;

- b. The furnishing of alcoholic beverages to a person under the legal drinking age or under the influence of alcohol; or
- c. Any statute, ordinance or regulation relating to the sale, gift, distribution or use of alcoholic beverages.

4. Employers Liability

"Bodily injury" to:

- a. An "employee" of the insured arising out of and in the course of:
 - (1) Employment by the insured; or
 - (2) Performing duties related to the conduct of the insured's business; or
- b. The spouse, child, parent, brother or sister of that "employee" as a consequence of "bodily injury" described in Paragraph a. above.

This exclusion applies:

- a. Whether the insured may be liable as an employer or in any other capacity; and
- b. To any obligation to share damages with or repay someone else who must pay damages because of the "bodily injury".

5. Pollution

- a. "Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants".
- b. Any loss, cost or expense arising out of any:
 - (1) Request, demand, order or statutory or regulatory requirement that any insured or any other person or organization test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants"; or
 - (2) Claim or "suit" by or on behalf of any governmental authority or any other person or organization because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, "pollutants".

6. Aircraft

"Bodily injury" or "property damage" arising out of the ownership, maintenance, use or entrustment to others of any aircraft owned or operated by or rented or loaned to any insured. Use includes operation and "loading or unloading".

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage" involved the ownership, maintenance, use or entrustment to others of any aircraft that is owned or operated by or rented or loaned to any insured.

7. Auto

"Bodily injury" or "property damage" arising out of the ownership, maintenance, use or entrustment to others of any "auto". Use includes operation and "loading or unloading".

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage" involved the ownership, maintenance, use or entrustment to others of any "auto".

This exclusion does not apply to "bodily injury" or "property damage" caused by an "occurrence" that takes place outside of the United States of America (including its territories and possessions), Puerto Rico and Canada.

8. Watercraft

"Bodily injury" or "property damage" arising out of the ownership, maintenance, use or entrustment to others of any watercraft owned or operated by or rented or loaned to any insured. Use includes operation and "loading or unloading".

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage" involved the ownership, maintenance, use or entrustment to others of any watercraft that is owned or operated by or rented or loaned to any insured.

This exclusion does not apply to a watercraft:

- a. While ashore on premises owned by or rented to any insured; or
- b. That is 50-feet long or less and that:
 - (1) You own; or

- (2) You do not own and is not being used to carry any person or property for a charge.

9. Electronic Data

Damages claimed for the loss of, loss of use of, damage to, corruption of, inability to access, or inability to manipulate "electronic data".

10. Damage To Property, Products Or Work

"Property damage" to:

- a. Property you own, rent or occupy, including any costs or expenses incurred by you, or any other person or organization, for repair, replacement, enhancement, restoration or maintenance of such property for any reason, including prevention of injury to a person or damage to another's property;
- b. Premises you sell, give away or abandon if the "property damage" arises out of any part of those premises;
- c. Property loaned to you;
- d. Personal property in the care, custody or control of the insured;
- e. That particular part of real property on which you or any contractors or subcontractors working directly or indirectly on your behalf are performing operations if the "property damage" arises out of those operations;
- f. That particular part of any property that must be restored, repaired or replaced because "your work" was incorrectly performed on it;
- g. "Your product" arising out of "your product" or any part of it; or
- h. "Your work" arising out of "your work" or any part of it and included in the "products-completed operations hazard".

11. Damage To Impaired Property Or Property Not Physically Injured

"Property damage" to "impaired property", or property that has not been physically injured, arising out of:

- a. A defect, deficiency, inadequacy or dangerous condition in "your product" or "your work"; or
- b. A delay or failure by you, or anyone acting on your behalf, to fulfill the terms of a contract or agreement.

This exclusion does not apply to the loss of use of other property arising out of sudden and accidental physical injury to "your product" or

"your work" after it has been put to its intended use.

12. Recall Of Products, Work Or Impaired Property

Damages claimed for any loss, cost or expense incurred by you or others for the loss of use, withdrawal, recall, inspection, repair, replacement, adjustment, removal or disposal of:

- a. "Your product";
- b. "Your work"; or
- c. "Impaired property";

if such product, work or property is withdrawn or recalled from the market or from use by any person or organization because of a known or suspected defect, deficiency, inadequacy or dangerous condition in it.

13. Violation Of Consumer Financial Protection Laws

"Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of any actual or alleged violation of a "consumer financial protection law", or any other "bodily injury", "property damage", "personal injury" or "advertising injury" alleged in any claim or "suit" that also alleges any such violation.

14. Unsolicited Communication

"Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of any actual or alleged violation of any law that restricts or prohibits the sending, transmitting or distributing of "unsolicited communication".

15. Access Or Disclosure Of Confidential Or Personal Information

"Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of any access to or disclosure of any person's or organization's confidential or personal information.

16. Knowing Violation Of Rights Of Another

"Personal injury" or "advertising injury" caused by or at the direction of the insured with the knowledge that the act would violate the rights of another and would inflict "personal injury" or "advertising injury".

17. Material Published With Knowledge Of Falsity

"Personal injury" or "advertising injury" arising out of oral or written publication, including publication by electronic means, of material, if done by or at the direction of the insured with knowledge of its falsity.

18. Material Published Or Used Prior To Policy Period

- a. "Personal injury" or "advertising injury" arising out of oral or written publication, including publication by electronic means, of material whose first publication took place before the beginning of the policy period; or
- b. "Advertising injury" arising out of infringement of copyright, "title" or "slogan" in your "advertisement" whose first infringement in your "advertisement" was committed before the beginning of the policy period.

19. Criminal Acts

"Personal injury" or "advertising injury" arising out of a criminal act committed by or at the direction of the insured.

20. Breach Of Contract

"Personal injury" or "advertising injury" arising out of a breach of contract.

21. Quality Or Performance Of Goods – Failure To Conform To Statements

"Advertising injury" arising out of the failure of goods, products or services to conform with any statement of quality or performance made in your "advertisement".

22. Wrong Description Of Prices

"Advertising injury" arising out of the wrong description of the price of goods, products or services stated in your "advertisement".

23. Intellectual Property

"Personal injury" or "advertising injury" arising out of any actual or alleged infringement or violation of any of the following rights or laws, or any other "personal injury" or "advertising injury" alleged in any claim or "suit" that also alleges any such infringement or violation:

- a. Copyright;
- b. Patent;
- c. Trade dress;
- d. Trade name;
- e. Trademark;
- f. Trade secret; or
- g. Other intellectual property rights or laws.

This exclusion does not apply to:

- a. "Advertising injury" arising out of any actual or alleged infringement or violation of another's copyright, "title" or "slogan" in your "advertisement"; or

- b. Any other "personal injury" or "advertising injury" alleged in any claim or "suit" that also alleges any such infringement or violation of another's copyright, "title" or "slogan" in your "advertisement".

24. Insureds In Media And Internet Type Business

"Personal injury" or "advertising injury" arising out of an offense committed by an insured whose business is:

- a. Advertising, "broadcasting" or publishing;
- b. Designing or determining content of web-sites for others; or
- c. An Internet search, access, content or service provider.

This exclusion does not apply to Paragraphs **a.(1), (2) and (3)** of the definition of "personal injury".

For the purposes of this exclusion:

- a. Creating and producing correspondence written in the conduct of your business, bulletins, financial or annual reports, or newsletters about your goods, products or services will not be considered the business of publishing; and
- b. The placing of frames, borders or links, or advertising, for you or others anywhere on the Internet will not, by itself, be considered the business of advertising, "broadcasting" or publishing.

25. Electronic Chatrooms Or Bulletin Boards

"Personal injury" or "advertising injury" arising out of an electronic chatroom or bulletin board the insured hosts, owns or over which the insured exercises control.

26. Unauthorized Use Of Another's Name Or Product

"Personal injury" or "advertising injury" arising out of the unauthorized use of another's name or product in your e-mail address, domain name or metatag, or any other similar tactics to mislead another's potential customers.

C. With respect to Coverage C:

Newly Acquired, Controlled Or Formed Entities

"Crisis management service expenses" arising out of a "crisis management event" that involves any organization you newly acquire or form and that occurred prior to the date you acquired or formed that organization, even if an "executive officer" only first becomes aware of an "event" or "occurrence" that leads to such "crisis

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management event" after the date you acquired or formed such organization.

SECTION V – CONDITIONS

A. APPEALS

1. If the insured or the insured's "underlying insurer" elects not to appeal a judgment which exceeds the "applicable underlying limit" or "self-insured retention", we may do so.
2. If we appeal such a judgment, we will pay all costs of the appeal. These payments will not reduce the applicable limits of insurance. In no event will our liability exceed the applicable limit of insurance.

B. BANKRUPTCY

1. Bankruptcy or insolvency of the insured or of the insured's estate will not relieve us of our obligations under this insurance.
2. In the event of bankruptcy or insolvency of any "underlying insurer", this insurance will not replace such bankrupt or insolvent "underlying insurer's" policy, and this insurance will apply as if such "underlying insurer" had not become bankrupt or insolvent.

C. CANCELLATION

1. The first Named Insured shown in the Declarations may cancel this insurance by mailing or delivering to us advance written notice of cancellation.
2. We may cancel this insurance by mailing or delivering to such first Named Insured written notice of cancellation at least:
 - a. 10 days before the effective date of cancellation if we cancel for nonpayment of premium; or
 - b. 60 days before the effective date of cancellation if we cancel for any other reason.
3. We will mail or deliver our notice to such first Named Insured's last mailing address known to us.
4. Notice of cancellation will state the effective date of cancellation. The policy period will end on that date.
5. If this insurance is cancelled, we will send such first Named Insured any premium refund due. If we cancel, the refund will be pro rata. If such first Named Insured cancels, the refund may be less than pro rata. The cancellation will be effective even if we have not made or offered a refund.
6. If notice is mailed, proof of mailing will be sufficient proof of notice.

D. CHANGES

This policy contains all the agreements between you and us concerning the insurance afforded. No change can be made in the terms of this insurance except with our consent. The terms of this insurance can be amended or waived only by endorsement issued by us and made a part of this policy.

E. CURRENCY

Payments for damages or expenses described in Paragraph 5. of Paragraph D., **DEFENSE AND SUPPLEMENTARY PAYMENTS**, of **SECTION I – COVERAGES** will be in the currency of the United States of America. At our sole option, we may make these payments in a different currency. Any necessary currency conversion for such payments will be calculated based on the rate of exchange published in the Wall Street Journal immediately preceding the date the payment is processed.

F. DUTIES REGARDING AN EVENT, OCCURRENCE, CLAIM OR SUIT

1. You must see to it that we are notified as soon as practicable of an "event" or "occurrence" which may result in a claim under this insurance. To the extent possible, notice should include:
 - a. How, when and where the "event" or "occurrence" took place;
 - b. The names and addresses of any persons or organizations sustaining injury, damage or loss, and the names and addresses of any witnesses; and
 - c. The nature and location of any injury or damage arising out of the "event" or "occurrence".
2. If a claim is made or "suit" is brought against any insured which may result in a claim under this insurance, you must see to it that we receive written notice of the claim or "suit" as soon as practicable.
3. With respect to Coverage A, the insured must:
 - a. Cooperate with us in the investigation, settlement or defense of any claim or "suit";
 - b. Comply with the terms of the "underlying insurance"; and
 - c. Pursue all rights of contribution or indemnity against any person or organization who may be liable to the insured because of the injury, damage or loss for which insurance is provided under

this policy or any policy of "underlying insurance".

4. With respect to Coverage **B**, the insured must:
 - a. Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the claim or "suit";
 - b. Authorize us to obtain necessary records and other information;
 - c. Cooperate with us in the investigation, settlement or defense of any claim or "suit"; and
 - d. Assist us, upon our request, in the enforcement of any right against any person or organization which may be liable to the insured because of injury or damage to which Coverage **B** may apply.
5. No insured will, except at that insured's own expense, voluntarily make a payment, assume any obligation, make any admission or incur any expense, other than for first aid for "bodily injury" covered by this insurance, without our consent.
6. Knowledge of an "event", "occurrence", claim or "suit" by your agent, servant or "employee" will not constitute knowledge by you, unless your insurance or risk manager, or anyone working in the capacity as your insurance or risk manager, or anyone you designate with the responsibility of reporting an "event", "occurrence", claim or "suit":
 - a. Has received notice of such "event", "occurrence", claim or "suit" from such agent, servant or "employee"; or
 - b. Otherwise has knowledge of such "event", "occurrence", claim or "suit".

G. DUTIES REGARDING A CRISIS MANAGEMENT EVENT

You must:

1. Notify us within 30 days of a "crisis management event" that may result in "crisis management service expenses".
2. Provide written notice of the "crisis management event" as soon as practicable. To the extent possible, notice should include:
 - a. How, when and where that "crisis management event" took place;
 - b. The names and addresses of any persons or organizations sustaining injury, damage or loss, and the named and addresses of any witnesses;

- c. The nature and location of any injury or damage arising out of that "crisis management event"; and
- d. The reason that "crisis management event" is likely to involve damages covered by this insurance in excess of the "applicable underlying limit" or "self-insured retention" and involve regional or national media coverage.

H. EXAMINATION OF YOUR BOOKS AND RECORDS

We may examine and audit your books and records as they relate to this insurance:

1. At any time during the policy period;
2. Up to three years after the end of the policy period; and
3. Within one year after final settlement of all claims under this insurance.

I. EXTENDED REPORTING PERIOD OPTION

1. When the "underlying insurance" applies on a claims-made basis, any automatic or basic "extended reporting period" in such "underlying insurance" will apply to this insurance.
2. When the "underlying insurance" applies on a claims-made basis and you elect to purchase an optional or supplemental "extended reporting period" in such "underlying insurance," that "extended reporting period" will apply to this insurance only if:
 - a. A written request to purchase an Extended Reporting Period endorsement for this insurance is made by you and received by us within 90 days after the end of the policy period;
 - b. You have paid all premiums due for this policy at the time you make such request;
 - c. You promptly pay the additional premium we charge for the Extended Reporting Period endorsement for this insurance when due. We will determine that additional premium after we have received your request for the Extended Reporting Period endorsement for this insurance. That additional premium is not subject to any limitation stated in the "underlying insurance" on the amount or percentage of additional premium that may be charged for the "extended reporting period" in such "underlying insurance"; and

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- d. That Extended Reporting Period endorsement is issued by us and made a part of this policy.
- 3. Any Extended Reporting Period endorsement for this insurance will not reinstate or increase the Limits of Insurance or extend the policy period.
- 4. Except with respect to any provisions to the contrary contained in Paragraphs 1., 2. or 3. above, all provisions of any option to purchase an "extended reporting period" granted to you in the "underlying insurance" apply to this insurance.

J. INSPECTIONS AND SURVEYS

- 1. We have the right but are not obligated to:
 - a. Make inspections and surveys at any time;
 - b. Give you reports on the conditions we find; and
 - c. Recommend changes.
- 2. Any inspections, surveys, reports or recommendations relate only to insurability and the premiums to be charged. We do not make safety inspections. We do not undertake to perform the duty of any person or organization to provide for the health or safety of workers or the public. We do not warrant that conditions:
 - a. Are safe or healthful; or
 - b. Comply with laws, regulations, codes or standards.

K. LEGAL ACTION AGAINST US

- 1. No person or organization has a right under this insurance:
 - a. To join us as a party or otherwise bring us into a "suit" asking for damages from an insured; or
 - b. To sue us on this insurance unless all of its terms have been fully complied with.
- 2. A person or organization may sue us to recover on an agreed settlement or on a final judgment against an insured. We will not be liable for damages that:
 - a. Are not payable under the terms of this insurance; or
 - b. Are in excess of the applicable limit of insurance.

An agreed settlement means a settlement and release of liability signed by us, the insured and the claimant or the claimant's legal representative.

L. MAINTENANCE OF UNDERLYING INSURANCE

- 1. The insurance afforded by each policy of "underlying insurance" will be maintained for

the full policy period of this Excess Follow-Form And Umbrella Liability Insurance. This provision does not apply to the reduction or exhaustion of the aggregate limit or limits of such "underlying insurance" solely by payments as permitted in Paragraphs 4.a.(1), (2) and (3) of **COVERAGE A – EXCESS FOLLOW-FORM LIABILITY** of **SECTION I – COVERAGES**. As such policies expire, you will renew them at limits and with coverage at least equal to the expiring limits of insurance. If you fail to comply with the above requirements, Coverage A is not invalidated. However, in the event of a loss, we will pay only to the extent that we would have paid had you complied with the above requirements.

- 2. The first Named Insured shown in the Declarations must give us written notice of any change in the "underlying insurance" as respects:
 - a. Coverage;
 - b. Limits of insurance;
 - c. Termination of any coverage; or
 - d. Exhaustion of aggregate limits.
- 3. If you are unable to recover from any "underlying insurer" because you fail to comply with any term or condition of the "underlying insurance", Coverage A is not invalidated. However, we will pay for any loss only to the extent that we would have paid had you complied with that term or condition in that "underlying insurance".

M. OTHER INSURANCE

This insurance is excess over any valid and collectible "other insurance" whether such "other insurance" is stated to be primary, contributing, excess, contingent or otherwise. This provision does not apply to a policy bought specifically to apply as excess of this insurance.

However, if you specifically agree in a written contract or agreement that the insurance provided to any person or organization that qualifies as an insured under this insurance must apply on a primary basis, or a primary and non-contributory basis, then insurance provided under Coverage A is subject to the following provisions:

1. This insurance will apply before any "other insurance" that is available to such additional insured which covers that person or organization as a named insured, and we will not share with that "other insurance", provided that the injury or damage for which coverage is sought is caused by an "event" that takes place or is committed subsequent to the signing of that contract or agreement by you.
2. This insurance is still excess over any valid and collectible "other insurance", whether primary, excess, contingent or otherwise, which covers that person or organization as an additional insured or as any other insured that does not qualify as a named insured.

N. PREMIUM

1. The first Named Insured shown in the Declarations is responsible for the payment of all premiums and will be the payee for any return premiums.
2. If the premium is a flat charge, it is not subject to adjustment except as provided in Paragraph 4. below.
3. If the premium is other than a flat charge, it is an advance premium only. The earned premium will be computed at the end of the policy period, or at the end of each year of the policy period if the policy period is two years or longer, at the rate shown in the Declarations, subject to the Minimum Premium.
4. Additional premium may become payable when coverage is provided for additional insureds under the provisions of **SECTION II – WHO IS AN INSURED**.

O. PREMIUM AUDIT

The premium for this policy is the amount stated in Item 5. of the Declarations. The premium is a flat charge unless it is specified in the Declarations as adjustable.

P. PROHIBITED COVERAGE – UNLICENSED INSURANCE

1. With respect to loss sustained by any insured in a country or jurisdiction in which we are not licensed to provide this insurance, this insurance does not apply to the extent that insuring such loss would violate the laws or regulations of such country or jurisdiction.
2. We do not assume responsibility for:
 - a. The payment of any fine, fee, penalty or other charge that may be imposed on any person or organization in any country or jurisdiction because we are not licensed to

provide insurance in such country or jurisdiction; or

- b. The furnishing of certificates or other evidence of insurance in any country or jurisdiction in which we are not licensed to provide insurance.

Q. PROHIBITED COVERAGE – TRADE OR ECONOMIC SANCTIONS

We will provide coverage for any loss, or otherwise will provide any benefit, only to the extent that providing such coverage or benefit does not expose us or any of our affiliated or parent companies to:

1. Any trade or economic sanction under any law or regulation of the United States of America; or
2. Any other applicable trade or economic sanction, prohibition or restriction.

R. REPRESENTATIONS

By accepting this insurance, you agree:

1. The statements in the Declarations and any subsequent notice relating to "underlying insurance" are accurate and complete;
2. Those statements are based upon representations you made to us; and
3. We have issued this insurance in reliance upon your representations.

S. SEPARATION OF INSUREDS

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this policy to the first Named Insured shown in the Declarations, this insurance applies:

1. As if each Named Insured were the only Named Insured; and
2. Separately to each insured against whom claim is made or "suit" is brought.

T. WAIVER OR TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

1. If the insured has rights to recover all or part of any payment we have made under this insurance, those rights are transferred to us and the insured must do nothing after loss to impair them. At our request, the insured will bring suit or transfer those rights to us and help us, and with respect to Coverage A, the "underlying insurer", enforce them.

If the insured has agreed in a contract or agreement to waive that insured's right of recovery against any person or organization, we waive our right of recovery against that person or organization, but only for payments we make because of an "event" that takes place or is committed subsequent to the

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execution of that contract or agreement by such insured.

2. Reimbursement of any amount recovered will be made in the following order:
 - a. First, to any person or organization (including us or the insured) who has paid any amount in excess of the applicable limit of insurance;
 - b. Next, to us; and
 - c. Then, to any person or organization (including the insured and with respect to Coverage A, the "underlying insurer") that is entitled to claim the remainder, if any.
3. Expenses incurred in the process of recovery will be divided among all persons or organizations receiving amounts recovered according to the ratio of their respective recoveries.

U. TRANSFER OF YOUR RIGHTS AND DUTIES UNDER THIS INSURANCE

1. Your rights and duties under this insurance may not be transferred without our written consent except in the case of death of an individual Named Insured.
2. If you die, your rights and duties will be transferred to your legal representative but only while acting within the scope of duties as your legal representative. Until your legal representative is appointed, anyone having proper temporary custody of your property will have your rights and duties but only with respect to that property.

V. UNINTENTIONAL OMISSION OR ERROR

The unintentional omission of, or unintentional error in, any information provided by you which we relied upon in issuing this policy will not prejudice your rights under this insurance. However, this provision does not affect our right to collect additional premium or to exercise our rights of cancellation or nonrenewal in accordance with applicable insurance laws or regulations.

W. WHEN LOSS IS PAYABLE

If we are liable under this insurance, we will pay for injury, damage or loss after:

1. The insured's liability is established by:
 - a. A court decision; or
 - b. A written agreement between the claimant, the insured, any "underlying insurer" and us; and
2. The amount of the "applicable underlying limit" or "self-insured retention" is paid by or on behalf of the insured.

SECTION VI – DEFINITIONS

A. With respect to all coverages of this insurance:

1. "Applicable underlying limit" means the sum of:

- a. The applicable limit of insurance stated for the policies of "underlying insurance" in the Schedule Of Underlying Insurance subject to the provisions in Paragraphs 4.a.(1), (2) and (3) of **COVERAGE A – EXCESS FOLLOW-FORM LIABILITY of SECTION I – COVERAGES**; and
- b. The applicable limit of insurance of any "other insurance" that applies.

The limits of insurance in any policy of "underlying insurance" will apply even if:

- a. The "underlying insurer" claims the insured failed to comply with any term or condition of the policy; or
- b. The "underlying insurer" becomes bankrupt or insolvent.

2. "Auto hazard" means all "bodily injury" and "property damage" to which liability insurance afforded under an auto policy of "underlying insurance" would apply but for the exhaustion of its applicable limits of insurance.

3. "Electronic data" means information, facts or programs stored as or on, created or used on, or transmitted to or from computer software (including systems and applications software), hard or floppy disks, CD-ROMs, tapes, drives, cells, data processing devices or any other media which are used with electronically controlled equipment.

4. "Event" means an "occurrence", offense, accident, act, error, omission, wrongful act or loss.

5. "Extended reporting period" means any period of time, starting with the end of the policy period of your claims-made insurance, during which claims or "suits" may be first made, brought or reported for that insurance.

6. "Medical expenses" means expenses to which any Medical Payments section of any policy of Commercial General Liability "underlying insurance" applies.

7. "Other insurance" means insurance, or the funding of losses, that is provided by, through or on behalf of:

- a. Another insurance company;
- b. Us or any of our affiliated insurance companies;
- c. Any risk retention group;

- d. Any self-insurance method or program, in which case the insured will be deemed to be the provider of such insurance; or
- e. Any similar risk transfer or risk management method.

"Other insurance" does not include:

- a. Any "underlying insurance"; or
- b. Any policy of insurance specifically purchased to be excess of the limits of insurance of this policy shown in the Declarations.

8. "Products-completed operations hazard":

- a. Includes all "bodily injury" and "property damage" occurring away from premises you own or rent and arising out of "your product" or "your work" except:

(1) Products that are still in your physical possession; or

(2) Work that has not yet been completed or abandoned. However, "your work" will be deemed completed at the earliest of the following times:

(a) When all the work called for in your contract has been completed;

(b) When all the work to be done at the job site has been completed if your contract calls for work at more than one job site; or

(c) When that part of the work done at a job site has been put to its intended use by any person or organization other than another contractor or subcontractor working on the same project.

Work that may need service, maintenance, correction, repair or replacement, but which is otherwise complete, will be treated as completed.

- b. Does not include "bodily injury" or "property damage" arising out of:

(1) The transportation of property, unless the injury or damage arises out of a condition in or on a vehicle not owned or operated by you, and that condition was created by the "loading or unloading" of that vehicle by any insured;

(2) The existence of tools, uninstalled equipment or abandoned or unused materials; or

(3) Products or operations for which the classification listed in a policy of

Commercial General Liability "underlying insurance" states that products-completed operations are subject to the General Aggregate Limit.

9. "Suit" means a civil proceeding which alleges damages. "Suit" includes:

a. An arbitration proceeding in which damages are claimed and to which the insured must submit or does submit with our consent; or

b. Any other alternative dispute resolution proceeding to which the insured submits with our consent.

10. "Underlying insurance":

a. Means the policy or policies of insurance listed in the Schedule Of Underlying Insurance.

b. Includes any renewal or replacement of such policies if such renewal or replacement is during the policy period of this Excess Follow-Form And Umbrella Liability Insurance.

c. Does not include any part of the policy period of any of the policies described in Paragraphs a. or b. above that began before, or that continues after, the policy period of this Excess Follow-Form And Umbrella Liability Insurance.

11. "Underlying insurer" means any insurer which provides a policy of insurance listed in the Schedule Of Underlying Insurance.

B. With respect to Coverage B and, to the extent that the following terms are not defined in the "underlying insurance", to Coverage A:

1. "Advertisement" means a notice that is broadcast or published to the general public or specific market segments about your goods, products or services for the purpose of attracting customers or supporters. For the purposes of this definition:

a. Notices that are published include material placed on the Internet or on similar electronic means of communication; and

b. Regarding web sites, only that part of a web site that is about your goods, products or services for the purposes of attracting customers or supporters is considered an advertisement.

2. "Advertising injury":

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- a. Means injury, other than "personal injury", caused by one or more of the following offenses:
 - (1) Oral or written publication, including publication by electronic means, of material in your "advertisement" that slanders or libels a person or organization or disparages a person's or organization's goods, products or services, provided that the claim is made or the "suit" is brought by a person or organization that claims to have been slandered or libeled, or that claims to have had its goods, products or services disparaged;
 - (2) Oral or written publication, including publication by electronic means, of material in your "advertisement" that:
 - (a) Appropriates a person's name, voice, photograph or likeness; or
 - (b) Unreasonably places a person in a false light; or
 - (3) Infringement of copyright, "title" or "slogan" in your "advertisement", provided that the claim is made or the "suit" is brought by a person or organization that claims ownership of such copyright, "title" or "slogan".
 - b. Includes "bodily injury" caused by one or more of the offenses described in Paragraph a. above.
3. "Auto" means:
- a. A land motor vehicle, trailer or semitrailer designed for travel on public roads, including any attached machinery or equipment; or
 - b. Any other land vehicle that is subject to a compulsory or financial responsibility law or other motor vehicle insurance law where it is licensed or principally garaged.
- However, "auto" does not include "mobile equipment".
4. "Bodily injury" means:
- a. Physical harm, including sickness or disease, sustained by a person; or
 - b. Mental anguish, injury or illness, or emotional distress, resulting at any time from such physical harm, sickness or disease.
5. "Broadcasting" means transmitting any audio or visual material for any purpose:
- a. By radio or television; or
 - b. In, by or with any other electronic means of communication, such as the Internet, if that material is part of:
 - (1) Radio or television programming being transmitted;
 - (2) Other entertainment, educational, instructional, music or news programming being transmitted; or
 - (3) Advertising transmitted with any such programming.
6. "Consumer financial identity information" means any of the following information for a person that is used or collected for the purpose of serving as a factor in establishing such person's eligibility for personal credit, insurance or employment or for the purpose of conducting a business transaction:
- a. Part or all of the account number, the expiration date or the balance of any credit, debit, bank or other financial account;
 - b. Information bearing on a person's credit worthiness, credit standing or credit capacity;
 - c. Social security number;
 - d. Driver's license number; or
 - e. Birth date.
7. "Consumer financial protection law" means:
- a. The Fair Credit Reporting Act (FCRA) and any of its amendments, including the Fair and Accurate Credit Transactions Act (FACTA);
 - b. California's Song-Beverly Credit Card Act and any of its amendments; or
 - c. Any other law or regulation that restricts or prohibits the collection, dissemination, transmission, distribution or use of "consumer financial identity information".
8. "Employee" includes a "leased worker". "Employee" does not include a "temporary worker".
9. "Good Samaritan services" means any emergency medical services for which no compensation is demanded or received.
10. "Impaired property" means tangible property, other than "your product" or "your work", that cannot be used or is less useful because:
- a. It incorporates "your product" or "your work" that is known or thought to be defective, deficient, inadequate or dangerous; or

- b. You have failed to fulfill the terms of a contract or agreement;
if such property can be restored to use by the repair, replacement, adjustment or removal of "your product" or "your work" or your fulfilling the terms of the contract or agreement.
11. "Leased worker" means a person leased to you by a labor leasing firm under an agreement between you and the labor leasing firm, to perform duties related to the conduct of your business. "Leased worker" does not include a "temporary worker".
12. "Loading or unloading" means the handling of property:
- a. After it is moved from the place where it is accepted for movement into or onto an aircraft, watercraft or "auto";
 - b. While it is in or on an aircraft, watercraft or "auto"; or
 - c. While it is being moved from an aircraft, watercraft or "auto" to the place where it is finally delivered;
- but "loading or unloading" does not include the movement of property by means of a mechanical device, other than a hand truck, that is not attached to the aircraft, watercraft or "auto".
13. "Mobile equipment" means any of the following types of land vehicles, including any attached machinery or equipment:
- a. Bulldozers, farm machinery, forklifts and other vehicles designed for use principally off public roads.
 - b. Vehicles maintained for use solely on or next to premises you own or rent.
 - c. Vehicles that travel on crawler treads.
 - d. Vehicles, whether self-propelled or not, maintained primarily to provide mobility to permanently mounted:
 - (1) Power cranes, shovels, loaders, diggers or drills; or
 - (2) Road construction or resurfacing equipment such as graders, scrapers or rollers.
 - e. Vehicles not described in Paragraph a., b., c. or d. above that are not self-propelled and are maintained primarily to provide mobility to permanently attached equipment of the following types:
 - (1) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical

exploration, lighting and well servicing equipment; or

- (2) Cherry pickers and similar devices used to raise or lower workers.

- f. Vehicles not described in Paragraph a., b., c. or d. above maintained primarily for purposes other than the transportation of persons or cargo.

However, self-propelled vehicles with the following types of permanently attached equipment are not "mobile equipment" but will be considered "autos":

- (1) Equipment designed primarily for:
 - (a) Snow removal;
 - (b) Road maintenance, but not construction or resurfacing; or
 - (c) Street cleaning;
- (2) Cherry pickers and similar devices mounted on automobile or truck chassis and used to raise or lower workers; and
- (3) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment.

However, "mobile equipment" does not include any land vehicle that is subject to a compulsory or financial responsibility law, or other motor vehicle insurance law, where it is licensed or principally garaged. Such land vehicles are considered "autos".

14. "Occurrence" means:

- a. With respect to "bodily injury" or "property damage":
 - (1) An accident, including continuous or repeated exposure to substantially the same general harmful conditions, which results in "bodily injury" or "property damage". All "bodily injury" or "property damage" caused by such exposure to substantially the same general harmful conditions will be deemed to be caused by one "occurrence"; or
 - (2) An act or omission committed in providing or failing to provide first aid or "Good Samaritan services" to a person by any of your "employees" or "volunteer workers" other than an employed or volunteer doctor, unless you are in the business or occupation of providing professional health care services;

- b. With respect to "personal injury", an offense arising out of your business that results in "personal injury". All "personal injury" caused by the same or related injurious material, act or offense will be deemed to be caused by one "occurrence", regardless of the frequency or repetition thereof, the number and kind of media used or the number of persons or organizations making claims or bringing "suits"; and
 - c. With respect to "advertising injury", an offense committed in the course of advertising your goods, products and services that results in "advertising injury". All "advertising injury" caused by the same or related injurious material, act or offense will be deemed to be caused by one "occurrence", regardless of the frequency or repetition thereof, the number and kind of media used or the number of persons or organizations making claims or bringing "suits".
15. "Officer" means a person holding any of the officer positions created by your charter, constitution, bylaws or any other similar governing document.
16. "Personal injury":
- a. Means injury, other than "advertising injury", caused by one or more of the following offenses:
 - (1) False arrest, detention or imprisonment;
 - (2) Malicious prosecution;
 - (3) The wrongful eviction from, wrongful entry into, or invasion of the right of private occupancy of a room, dwelling or premises that a person occupies, provided that the wrongful eviction, wrongful entry or invasion of the right of private occupancy is committed by or on behalf of the owner, landlord or lessor of that room, dwelling or premises;
 - (4) Oral or written publication, including publication by electronic means, of material that slanders or libels a person or organization or disparages a person's or organization's goods, products or services, provided that the claim is made or the "suit" is brought by a person or organization that claims to have been slandered or libeled, or that claims to have had its goods, products or services disparaged; or
 - (5) Oral or written publication, including publication by electronic means, of material that:
 - (a) Appropriates a person's name, voice, photograph or likeness; or
 - (b) Unreasonably places a person in a false light.
 - b. Includes "bodily injury" caused by one or more of the offenses described in Paragraph a. above.
17. "Pollutants" mean any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapor, soot, fumes, acids, alkalis, chemicals and waste. Waste includes materials to be recycled, reconditioned or reclaimed.
18. "Property damage" means:
- a. Physical injury to tangible property, including all resulting loss of use of that property. All such loss of use will be deemed to occur at the time of the physical injury that caused it; or
 - b. Loss of use of tangible property that is not physically injured. All such loss of use will be deemed to occur at the time of the "occurrence" that caused it.
- For the purposes of this insurance, "electronic data" is not tangible property.
19. "Self-insured retention" is the greater of:
- a. The amount shown in the Declarations which the insured must first pay under Coverage B for damages because of all "bodily injury", "property damage", "personal injury" or "advertising injury" arising out of any one "occurrence"; or
 - b. The applicable limit of insurance of any "other insurance" that applies.
20. "Slogan":
- a. Means a phrase that others use for the purpose of attracting attention in their advertising.
 - b. Does not include a phrase used as, or in, the name of:
 - (1) Any person or organization other than you; or
 - (2) Any business, or any of the premises, goods, products, services or work, of any person or organization other than you.

21. "Temporary worker" means a person who is furnished to you to substitute for a permanent "employee" on leave or to meet seasonal or short-term workload conditions.
22. "Title" means the name of a literary or artistic work.
23. "Unsolicited communication" means any communication, in any form, that the recipient of such communication did not specifically request to receive.
24. "Volunteer worker" means a person who is not your "employee", and who donates his or her work and acts at the direction of and within the scope of duties determined by you, and is not paid a fee, salary or other compensation by you or anyone else for their work performed by you.
25. "Your product":
 - a. Means:
 - (1) Any goods or products, other than real property, manufactured, sold, handled, distributed or disposed of by:
 - (a) You;
 - (b) Others trading under your name; or
 - (c) A person or organization whose business or assets you have acquired; and
 - (2) Containers (other than vehicles), materials, parts or equipment furnished in connection with such goods or products.
 - b. Includes:
 - (1) Warranties or representations made at any time with respect to the fitness, quality, durability, performance or use of "your product"; and
 - (2) The providing of or failure to provide warnings or instructions.
 - c. Does not include vending machines or other property rented to or located for the use of others but not sold.
26. "Your work":
 - a. Means:
 - (1) Work or operations performed by you or on your behalf; and
 - (2) Materials, parts or equipment furnished in connection with such work or operations.
 - b. Includes:

- (1) Warranties or representations made at any time with respect to the fitness, quality, durability, performance or use of "your work"; and
- (2) The providing of or failure to provide warnings or instructions.

C. With respect to Coverage C:

1. "Crisis management advisor" means any public relations firm or crisis management firm approved by us that is hired by you to perform "crisis management services" in connection with a "crisis management event".
2. "Crisis management event" means an "event" or "occurrence" that your "executive officer" reasonably determines has resulted, or may result, in:
 - a. Damages covered by this Coverage A or Coverage B that are in excess of the total applicable limits of the "underlying insurance" or "self-insured retention"; and
 - b. Significant adverse regional or national media coverage.
3. "Crisis management service expenses" means amounts incurred by you, after a "crisis management event" first commences and before such event ends:
 - a. For the reasonable and necessary:
 - (1) Fees and expenses of a "crisis management advisor" in the performance for you of "crisis management services" solely for a "crisis management event"; and
 - (2) Costs for printing, advertising, mailing of materials or travel by your directors, officers, employees or agents or a "crisis management advisor" solely for a "crisis management event"; and
 - b. For the following expenses resulting from such "crisis management event", provided that such expenses have been approved by us:
 - (1) Medical expenses;
 - (2) Funeral expenses;
 - (3) Psychological counseling;
 - (4) Travel expenses;
 - (5) Temporary living expenses;
 - (6) Expenses to secure the scene of a "crisis management event"; or
 - (7) Any other expenses pre-approved by us.

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4. "Crisis management services" means those services performed by a "crisis management advisor" in advising you or minimizing potential harm to you from a "crisis management event" by maintaining or restoring public confidence in you.
5. "Executive officer" means your:
 - a. Chief Executive Officer;
 - b. Chief Operating Officer;
 - c. Chief Financial Officer;
 - d. President;
 - e. General Counsel;
 - f. General partner (if you are a partnership); or
 - g. Sole proprietor (if you are a sole proprietorship);or any person acting in the same capacity as any individual listed above.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

AMENDMENT OF COVERAGE – DEFINITIONS

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

The following replaces the introduction to Paragraph **B.** of **SECTION VI – DEFINITIONS**:

With respect to Coverages **B** and **C** and, to the extent that the following terms are not defined in the "underlying insurance", to Coverage **A**:

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

AUTO POLLUTION EXCLUSION WITH LIMITED EXCEPTIONS – COVERAGE A

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

PROVISIONS

1. The following is added to Paragraph **A.**, **COVERAGE A – EXCESS FOLLOW-FORM LIABILITY**, of **SECTION I – COVERAGES**:

For the purposes of Coverages **A** and **C** of this insurance, "auto pollution cost or expense" will be deemed to be damages because of "property damage" included in the "auto hazard". However, if any "auto pollution cost or expense" is to test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants" in or on any person, such cost or expense will instead be deemed to be damages because of "bodily injury" included in the "auto hazard".

2. With respect to **COVERAGE A – EXCESS FOLLOW FORM LIABILITY**, the following exclusion is added to **SECTION IV – EXCLUSIONS**:

Auto Pollution

"Bodily injury" or "property damage" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants":

- a. That are, or that are contained in any property that is:
 - (1) Being transported or towed by, handled or handled for movement into, onto or from a "covered auto";
 - (2) Otherwise in the course of transit by a "covered auto" by or on behalf of any "auto insured"; or
 - (3) Being stored, disposed of, treated or processed in or upon a "covered auto";
- b. Before the "pollutants" or any property in which the "pollutants" are contained are moved from the place where they are accepted by any "auto insured" for movement into or onto the "covered auto"; or

- c. After the "pollutants" or any property in which the "pollutants" are contained are moved from the "covered auto" to the place where they are finally delivered, disposed of or abandoned by any "auto insured".

Paragraph **a.** above does not apply to fuels, lubricants, fluids, exhaust gases or other similar "pollutants" that are needed for or result from the normal electrical, hydraulic or mechanical functioning of the "covered auto" or its parts if the "bodily injury" or "property damage" is included in the "auto hazard".

Paragraphs **b.** and **c.** above do not apply to accidents that occur away from premises owned by or rented to an "auto insured" with respect to "pollutants" not in or upon a "covered auto" if:

- a. The "pollutants" or any property in which the "pollutants" are contained are upset, overturned or damaged as a result of the maintenance or use of a "covered auto"; and
- b. The discharge, dispersal, seepage, migration, release or escape of the "pollutants" is caused directly by such upset, overturn or damage.

3. The following is added to Paragraph **A.** of **SECTION VI – DEFINITIONS**:

"Auto insured" means any person or organization that qualifies as an insured for the liability insurance afforded under an auto policy of "underlying insurance" that would apply to the "bodily injury" or "property damage" but for the exhaustion of its applicable limits of insurance.

"Auto pollution cost or expense" means any cost or expense arising out of:

- a. Any request, demand, order or statutory or regulatory requirement that any "auto insured" or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants"; or

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- b. Any claim or suit by or on behalf of a governmental authority for damages because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, "pollutants";

and to which liability insurance afforded under an auto policy of "underlying insurance" would apply

but for the exhaustion of its applicable limits of insurance.

"Covered auto" means any "auto" to which liability insurance afforded under an auto policy of "underlying insurance" would apply but for the exhaustion of its applicable limits of insurance.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

FUNGI OR BACTERIA EXCLUSION – COVERAGE B

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

PROVISIONS

1. The following exclusion is added to Paragraph **B.** of **SECTION IV – EXCLUSIONS**:

Fungi Or Bacteria

- a. "Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of the actual, alleged or threatened inhalation of, ingestion of, contact with, exposure to, existence of or presence of any "fungi" or bacteria on or within a building or structure, including its contents, regardless of whether any other cause, event, material or product contributed concurrently or in any sequence to such injury or damage; or
- b. "Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of the actual or alleged or threatened inhalation of, ingestion of, contact with, exposure to, existence of or presence of any other solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapors, soot, fumes, acids, alkalis, chemicals and waste, and that is part of any claim or "suit" which also alleges any injury or damage described in Paragraph **a.** of this exclusion.

- c. Any loss, cost or expense arising out of any:

- (1) Request, demand, order or statutory or regulatory requirement that any insured or any other person or organization test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "fungi" or bacteria; or
- (2) Claim or suit by or on behalf of any governmental authority or any other person or organization because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, "fungi" or bacteria.

This exclusion does not apply to any "fungi" or bacteria that are, are on, or are contained in, a good or product intended for consumption.

2. The following is added to Paragraph **B.** of **SECTION VI – DEFINITIONS**:

"Fungi" means any type or form of fungus, including mold or mildew and any mycotoxins, spores, scents or byproducts produced or released by fungi.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

NON CUMULATION OF OCCURRENCE LIMIT

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

PROVISIONS

1. The following is added to Paragraph **D.** of **SECTION III – LIMITS OF INSURANCE:**

Non cumulation of Occurrence Limit – If the following arise out of any one "event":

- a. Damages, or defense expenses if such expenses are within the limits of insurance of this policy, to which this Excess Follow-Form And Umbrella Liability Insurance applies; and
- b. Damages to which Excess Follow-Form And Umbrella Liability Insurance, or any other umbrella or excess liability coverage, included in one or more prior or future policies issued to you by us, or any of our affiliated insurance companies, or defense expenses if such expenses are within the limits of insurance of such policy, applies;

this policy's Occurrence Limit applicable to that "event" also will be reduced by the amount of each payment made for the damages and defense expenses described in Paragraph **b.** above by us or any of our affiliated insurance companies under, and within the applicable limit of insurance of, each such other policy. If a Non cumulation of Personal and Advertising Injury Limit or a Non cumulation of Each Occurrence Limit provision in any such prior policy refers to a **COMMERCIAL EXCESS LIABILITY (UMBRELLA) INSURANCE** policy, this Excess Follow-Form And Umbrella Liability Insurance will be deemed to be a **COMMERCIAL EXCESS LIABILITY (UMBRELLA) INSURANCE** policy for the purposes of each such provision.

2. The following is added to the definition of "other insurance" in Paragraph **A.** of **SECTION VI – DEFINITIONS:**

"Other insurance" also does not include insurance that is provided by, through or on behalf of us or any of our affiliated insurance companies when the Non cumulation of Occurrence Limit provision of Paragraph **D.** of **SECTION III – LIMITS OF INSURANCE** applies.

3. The following is added to Paragraph **4.** in Paragraph **A.**, **COVERAGE A – EXCESS FOLLOW-FORM LIABILITY**, of **SECTION I – COVERAGES:**

For the purposes of Paragraph **a.(1)** above, payments of judgments or settlements for damages that would have been covered by "underlying insurance", but are not only because of an Amendment – Non Cumulation Of Each Occurrence Limit Of Liability and Non Cumulation Of Personal and Advertising Injury Limit endorsement in that "underlying insurance" will be deemed to be payments of judgments or settlements for damages that are covered by that "underlying insurance".

For the purposes of Paragraph **a.(3)** above, payments of defense expenses that would have been covered by that "underlying insurance", but are not only because of an Amendment – Non Cumulation Of Each Occurrence Limit Of Liability and Non Cumulation Of Personal and Advertising Injury Limit endorsement in that "underlying insurance" will be deemed to be payments of defense expenses that are covered by that "underlying insurance".

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

COVERAGE FOR FINANCIAL INTEREST IN FOREIGN INSURED ORGANIZATIONS

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

PROVISIONS

1. The following is added to Paragraph A., **COVERAGE A – EXCESS FOLLOW-FORM LIABILITY**, and Paragraph B., **COVERAGE B – UMBRELLA LIABILITY**, of **SECTION I – COVERAGES**:

If a "foreign loss" is incurred by a "foreign insured organization", or by any other insured for whom such "foreign insured organization" is liable, we will reimburse the first Named Insured, or any other Named Insured that is not a "foreign insured organization", for such "foreign loss" because of its "financial interest" in that "foreign insured organization". For purposes of this insurance, amounts we reimburse under:

- a. Paragraph a. of the definition of "foreign loss" will be deemed to be sums that such Named Insured becomes legally obligated to pay as damages under this policy; and
- b. Paragraph b. of the definition of "foreign loss" will be deemed to be payments we make under Paragraph 5. of Paragraph D., **DEFENSE AND SUPPLEMENTARY PAYMENTS**, in **SECTION I – COVERAGES**.

2. The following is added to **SECTION V – CONDITIONS**:

DUTIES IN THE EVENT OF A CLAIM OR SUIT FOR FOREIGN LOSS

If a claim or "suit" for "foreign loss" is made or brought against a "foreign insured organization", or any other insured for whom such "foreign insured organization" is liable, the first Named Insured must:

1. Arrange to investigate and defend such claim or "suit";
2. Notify us in writing in advance of any proposed settlement of such claim or "suit"; and
3. Comply with all other conditions of this insurance as if such claim or "suit" were

made or brought against any insured that is not a "foreign insured organization".

3. The following is added to Paragraph A. of **SECTION VI – DEFINITIONS**:

"Financial interest" means the insurable interest in a "foreign insured organization" because of:

- a. Sole ownership of, or majority ownership interest in, such "foreign insured organization", either directly or through one or more intervening subsidiaries;
- b. Indemnification of, or an obligation to indemnify:
 - (1) Such "foreign insured organization"; or
 - (2) Any other insured for whom such "foreign insured organization" is liable; for a "foreign loss"; or
- c. An obligation to obtain insurance for such "foreign insured organization".

"Foreign insured organization" means any organization that:

- a. Is an insured under **SECTION II – WHO IS AN INSURED**; and
- b. Is located in a country or jurisdiction in which we are not licensed to provide this insurance and where providing this insurance would violate the laws or regulations of such country or jurisdiction.

"Foreign loss" means:

- a. Sums, in excess of the "applicable underlying limit" or "self-insured retention", that an insured becomes legally obligated to pay as damages because of loss to which the insurance provided under this policy would have applied; or
- b. Payments described in Paragraph 5. of Paragraph D., **DEFENSE AND SUPPLEMENTARY PAYMENTS** in **SECTION I – COVERAGES** that we would have made with respect to any claim or "suit" against an insured:

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- (1) That we would have defended, investigated or settled; or
- (2) For which we would have paid our part of a judgment;

but for the fact that such insured is located in any country or jurisdiction in which we are not licensed to provide this insurance and where providing this insurance would violate the laws or regulations of such country or jurisdiction.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

CAP ON LOSSES FROM CERTIFIED ACTS OF TERRORISM AND EXCLUSION OF OTHER ACTS OF TERRORISM COMMITTED OUTSIDE THE UNITED STATES

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

CERTIFIED ACTS OF TERRORISM SELF-INSURED RETENTION SCHEDULE

Self-Insured Retention For Certified Acts Of Terrorism: \$ 10,000 Each Occurrence

PROVISIONS

1. The following is added to SECTION I – COVERAGES:

If aggregate insured losses attributable to "certified acts of terrorism" exceed \$100 billion in a calendar year and we have met our insurer deductible under "TRIA", we will not be liable for the payment of any portion of the amount of such losses that exceeds \$100 billion, and in such case, insured losses up to that amount are subject to pro rata allocation in accordance with procedures established by the Secretary of the Treasury.

2. With respect to COVERAGE B – UMBRELLA LIABILITY for any "bodily injury", "property damage", "personal injury" or "advertising injury" arising out of a "certified act of terrorism":

a. The following replaces Paragraph 1. in Paragraph D., DEFENSE AND SUPPLEMENTARY PAYMENTS, of SECTION I – COVERAGES:

1. We will have the right, but not the duty, to defend the insured under COVERAGE B – UMBRELLA LIABILITY against a "suit" seeking damages to which such coverage applies.

b. The following replaces the definition of "self-insured retention" in Paragraph B. of SECTION VI – DEFINITIONS:

"Self-insured retention" means the Self-Insured Retention For Certified Acts Of Terrorism shown in the Certified Acts Of Terrorism Self-Insured Retention Schedule which the insured must first pay under Coverage B for damages because of all any "bodily injury", "property damage", "personal

injury" or "advertising injury" included in any one "occurrence". If no entry appears in the Certified Acts Of Terrorism Self-Insured Retention Schedule, the Self-Insured Retention For Certified Acts Of Terrorism is deemed to be \$1,000,000.

3. The following exclusion is added to Paragraph A. of SECTION IV – EXCLUSIONS:

Acts Of Terrorism Committed Outside The United States

Damages arising out of any "act of terrorism" that is committed outside the United States of America (including its territories and possessions) and Puerto Rico.

This exclusion does not apply to damages arising out of any "act of terrorism" that results in loss occurring to:

(1) An air carrier (as defined in Section 40102 of title 49, United States Code) or a United States flag vessel (or a vessel based principally in the United States, on which United States income tax is paid and whose insurance coverage is subject to regulation in the United States); or

(2) The premises of any United States mission.

4. The following is added to Paragraph A. of SECTION VI – DEFINITIONS:

"Act of terrorism" means a violent act or an act that is dangerous to human life, property or infrastructure that is committed by an individual or individuals and that appears to be part of an effort to coerce a civilian population or to influence the policy or affect the conduct of any government by coercion.

"Certified act of terrorism" means an act that is certified by the Secretary of the Treasury, in

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accordance with the provisions of "TRIA", to be an act of terrorism pursuant to "TRIA". The criteria contained in "TRIA" for a "certified act of terrorism" include the following:

- a. The act resulted in insured losses in excess of \$5 million in the aggregate, attributable to all types of insurance subject to "TRIA"; and
- b. The act is a violent act or an act that is dangerous to human life, property or

infrastructure and is committed by an individual or individuals as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.

"TRIA" means the federal Terrorism Risk Insurance Act of 2002 as amended.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**CLAIMS BY NAMED INSUREDS AGAINST OTHER NAMED INSUREDS
EXCLUSION – COVERAGES A AND B**

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

PROVISIONS

1. The following exclusion is added to Paragraph A. of **SECTION IV – EXCLUSIONS**:

Claims By Named Insureds Against Other Named Insureds

Any claim by any Named insured against another Named insured.

2. The following replaces the introductory phrase of Paragraph S., **SEPARATION OF INSUREDS**, of **SECTION V – CONDITIONS**:

Except with respect to the Limits of Insurance, the **Claims By Named Insureds Against Other Named Insureds** exclusion, and any rights or duties specifically assigned in this policy to the first Named insured shown in the Declarations, this insurance applies:

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

NUCLEAR ENERGY LIABILITY EXCLUSION (BROAD FORM) – COVERAGES A AND B

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

PROVISIONS

- 1. The following replaces Exclusion 5., Nuclear Material, in Paragraph A. of SECTION IV – EXCLUSIONS:**

Nuclear Energy Liability (Broad Form)

- a. Under any Liability Coverage, to "bodily injury" or "property damage":**

- (1)** With respect to which an insured under the policy is also an insured under a nuclear energy liability policy issued by Nuclear Energy Liability Insurance Association, Mutual Atomic Energy Liability Underwriters, Nuclear Insurance Association of Canada or any of their successors, or would be an insured under any such policy but for its termination upon exhaustion of its limit of liability; or
- (2)** Resulting from the "hazardous properties" of "nuclear material" and with respect to which (a) any person or organization is required to maintain financial protection pursuant to the Atomic Energy Act of 1954, or any law amendatory thereof, or (b) the insured is, or had this policy not been issued would be, entitled to indemnity from the United States of America, or any agency thereof, under any agreement entered into by the United States of America, or any agency thereof, with any person or organization.

- b. Under any Medical Payments coverage, to expenses incurred with respect to "bodily injury" resulting from the "hazardous properties" of "nuclear material" and arising out of the operation of a "nuclear facility" by any person or organization.**

- c. Under any Liability Coverage, to "bodily injury" or "property damage" resulting from "hazardous properties" of "nuclear material" if:**

- (1)** The "nuclear material" **(a)** is at any "nuclear facility" owned by, or operated by

or on behalf of, an insured or **(b)** has been discharged or dispersed therefrom;

- (2)** The "nuclear material" is contained in "spent fuel" or "waste" at any time possessed, handled, used, processed, stored, transported or disposed of, by or on behalf of an insured; or

- (3)** The "bodily injury" or "property damage" arises out of the furnishing by an insured of services, materials, parts or equipment in connection with the planning, construction, maintenance, operation or use of any "nuclear facility", but if such facility is located within the United States of America, its territories or possessions or Canada, this exclusion **(3)** applies only to "property damage" to such "nuclear facility" and any property thereat.

- 2. The following is added to Paragraph A. of SECTION VI – DEFINITIONS:**

"Hazardous properties" includes radioactive, toxic or explosive properties.

"Nuclear material" means "source material", "special nuclear material" or "by-product material".

"Source material", "special nuclear material", and "by-product material" have the meanings given them in the Atomic Energy Act of 1954 or in any law amendatory thereof.

"Spent fuel" means any fuel element or fuel component, solid or liquid, which has been used or exposed to radiation in a "nuclear reactor".

"Waste" means any waste material **(a)** containing "by-product material" other than the tailings or wastes produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its "source material" content, and **(b)** resulting from the operation by any person or organization of any "nuclear facility" included under the first two paragraphs of the definition of "nuclear facility".

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"Nuclear facility" means:

- a. Any "nuclear reactor";
- b. Any equipment or device designed or used for (1) separating the isotopes of uranium or plutonium, (2) processing or utilizing "spent fuel", or (3) handling, processing or packaging "waste";
- c. Any equipment or device used for the processing, fabricating or alloying of "special nuclear material" if at any time the total amount of such material in the custody of the insured at the premises where such equipment or device is located consists of or contains more than 25 grams of plutonium or uranium 233 or

any combination thereof, or more than 250 grams of uranium 235; or

- d. Any structure, basin, excavation, premises or place prepared or used for the storage or disposal of "waste".

and includes the site on which any of the foregoing is located, all operations conducted on such site and all premises used for such operations.

"Nuclear reactor" means any apparatus designed or used to sustain nuclear fission in a self-supporting chain reaction or to contain a critical mass of fissionable material.

"Property damage" includes all forms of radioactive contamination of property.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

POLLUTION NOT RELATED TO AUTOS EXCLUSION WITH LIMITED EXCEPTIONS – COVERAGE A

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

PROVISIONS

1. The following replaces Paragraph 4.a.(1) of Paragraph A., COVERAGE A – EXCESS FOLLOW-FORM LIABILITY, of SECTION I – COVERAGES:

(1) Payments of:

- (a) Judgments or settlements for damages that are covered by that "underlying insurance". However, if such "underlying insurance" has a policy period which differs from the policy period of this Excess Follow-Form And Umbrella Liability Insurance, any such payments for damages that would not be covered by this Excess Follow-Form And Umbrella Liability Insurance because of its different policy period will not reduce or exhaust the applicable limit of insurance stated for such "underlying insurance"; or
- (b) Judgments or settlements for any cost or expense to test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or assess the effects of, "pollutants" that is covered by that "underlying insurance" if it is Commercial General Liability "underlying insurance" issued by us, or any of our affiliated insurance companies, and an endorsement that provides coverage for such cost or expense is a part of that "underlying insurance". A governmental ruling or order that has imposed liability for such cost or expense will be deemed to be a judgment. However, if such "underlying insurance" has a policy period which differs from the policy period of this Excess Follow-Form And Umbrella Liability Insurance, any such payments that would not be covered by this Excess Follow-Form And Umbrella Liability Insurance because of its different policy period will not reduce or exhaust the applicable limit of insurance stated for such "underlying insurance".

2. With respect to COVERAGE A – EXCESS FOLLOW FORM LIABILITY, the following exclusion is added to SECTION IV – EXCLUSIONS:

Pollution Not Related To Autos

- a. Damages arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants". However, this Paragraph a. does not apply to:
 - (1) Any of the following arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants" at or from any premises, site or location which is or was at any time owned or occupied by, or rented or loaned to, any insured:
 - (a) "Bodily injury" sustained within a building and caused by smoke, fumes, vapor or soot produced by or originating from equipment that is used to heat, cool or dehumidify the building, or produced by or originating from equipment that is used to heat water for personal use by the building's occupants or their guests;
 - (b) "Bodily injury" or "property damage" for which you may be held liable, if:
 - (i) That premises, site or location is owned by, or rented to, any "specified additional insured" and is not and never was owned or occupied by, or rented or loaned to, any other insured; and
 - (ii) Such "pollutants" are not brought on or to such premises, site or location in connection with operations being performed on such premises, site or location by any insured or any contractor or subcontractor working directly or indirectly on any insured's behalf; or

- (c) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire";
- (2) Any of the following arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants" at or from any premises, site or location that is not and was not at any time owned or occupied by, or rented or loaned to any insured, other than any "specified additional insured", and on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are performing operations:
 - (a) "Bodily injury" or "property damage" arising out of "pollutants" that are not brought on or to such premises, site or location in connection with such operations by such insured, contractor or subcontractor;
 - (b) "Bodily injury" or "property damage" arising out of the escape of fuels, lubricants or other operating fluids which are needed to perform the normal electrical, hydraulic or mechanical functions necessary for the operation of "mobile equipment" or its parts, if such fuels, lubricants or other operating fluids escape from a vehicle part designed to hold, store or receive them. This exception does not apply if the "bodily injury" or "property damage" arises out of the intentional discharge, dispersal or release of the fuels, lubricants or other operating fluids, or if such fuels, lubricants or other operating fluids are brought on or to such premises, site or location with the intent that they be discharged, dispersed or released as part of the operations being performed by such insured, contractor or subcontractor;
 - (c) "Bodily injury" or "property damage" sustained within a building and caused by the release of gases, fumes or vapors from materials brought into that building in connection with operations being performed by you or on your behalf by a contractor or subcontractor; or

- (d) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire";
- (3) "Bodily injury" or "property damage" included in the "products-completed operations hazard"; or
- (4) "Bodily injury" or "property damage" included in the "auto hazard".

The exceptions in Paragraphs (1), (2) and (3) above do not apply to "bodily injury" or "property damage" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants":

- (1) At or from any premises, site or location which is or was at any time used by or for any insured or any other person or organization for the handling, storage, disposal, processing or treatment of waste;
 - (2) If such "pollutants" are or were at any time transported, handled, stored, treated, disposed of or processed as waste by or for:
 - (a) Any insured; or
 - (b) Any person or organization for whom any insured may be legally responsible; or
 - (3) At or from any premises, site or location on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are or were at any time performing operations to test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants".
- b. Any loss, cost or expense arising out of any:
- (1) Request, demand, order or statutory or regulatory requirement that any insured or any other person or organization test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants"; or
 - (2) Claim or suit by or for any governmental authority or any other person or organization arising out of the testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, "pollutants".

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However, this Paragraph **b.** does not apply to "bodily injury" or "property damage" included in the "auto hazard".

3. The following is added to Paragraph **A.** of **SECTION VI – DEFINITIONS:**

"Hostile fire" means a fire which becomes uncontrollable or breaks out from where it was intended to be.

"Specified additional insured" means the owner or lessee of a premises, site or location that has been added to your Commercial General Liability "underlying insurance" as an additional insured

with respect to your ongoing operations performed for that additional insured at that premises, site or location if you are a contractor and if such premises, site or location is not and never was owned or occupied by, or rented or loaned to, any insured, other than that additional insured.

4. The definition of "pollutants" (including the statement in it that waste includes materials to be recycled, reconditioned or reclaimed) in Paragraph **B.** of **SECTION VI – DEFINITIONS** is deleted from that Paragraph **B.** and is added to Paragraph **A.** of **SECTION VI – DEFINITIONS.**

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

AIRCRAFT LIABILITY EXCLUSION INCLUDING SERVICE FOR HIRE WITH LIMITED EXCEPTION FOR UNMANNED AIRCRAFT – COVERAGES A AND B

This endorsement modifies insurance provided under the following:
EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

PROVISIONS

1. The following exclusion is added to Paragraph A. of **SECTION IV – EXCLUSIONS**:

Aircraft

Damages arising out of the ownership, maintenance, use or entrustment to others of any aircraft. Use includes operation and "loading or unloading".

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "event" which caused the damages involved the ownership, maintenance, use or entrustment to others of any aircraft.

This exclusion does not apply to liability assumed under any contract or agreement.

With respect to Coverage A, this exclusion also does not apply to any "unmanned aircraft".

2. Exclusion 6., **Aircraft**, in Paragraph B. of **SECTION IV – EXCLUSIONS** is deleted.
3. The following is added to Paragraph A. of **SECTION VI – DEFINITIONS**:

"Unmanned aircraft" means an aircraft that is not designed, manufactured or modified after it is manufactured, to be controlled directly by a person from within or on the aircraft.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

CONSTRUCTION IDENTIFIED HAZARDS EXCLUSIONS – COVERAGE B

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

PROVISIONS

1. The following exclusions are added to Paragraph B. of **SECTION IV – EXCLUSIONS**:

Architectural, Engineering Or Surveying Professional Services

"Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of providing or failing to provide any "professional services" by or on behalf of any insured, but only with respect to any of the following operations:

- a. Providing, or hiring any independent professional to provide, any architectural, engineering or surveying service to others in any insured's capacity as an architect, engineer or surveyor; or
- b. Providing, or hiring any independent professional to provide, any architectural, engineering or surveying service in connection with construction work any insured performs.

Construction Management Errors And Omissions

"Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of:

- a. The preparing, approving, or failure to prepare or approve, any map, shop drawing, opinion, report, survey, field order, change order or drawing and specification by any architect, engineer or surveyor performing services on a project on which you serve as construction manager; or
- b. Inspection, supervision, quality control or engineering services done by or for you on a project on which you serve as construction manager.

This exclusion does not apply to "bodily injury" or "property damage" due to construction or demolition work done by you, your "employees" or your subcontractors.

Exterior Insulation And Finish System

"Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of:

- a. The design, manufacture, construction, fabrication, distribution, sale, preparation, installation, application, maintenance or repair, including remodeling, service, correction or replacement, of any "exterior insulation and finish system" (commonly referred to as *synthetic stucco or EIFS*) or any part thereof, or any substantially similar system or any part thereof, including the application or use of any conditioner, primer, accessory, flashing, coating, caulking or sealant in connection with such a system; or
- b. "Your product" or "your work" with respect to any exterior component, fixture or feature of any structure if an "exterior insulation and finish system", or any substantially similar system, is used on any part of that structure.

Residential Construction

"Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of "your work" on or for any project that in whole or in part, is or will become any:

- a. Single-family housing;
- b. Multi-family housing;
- c. Residential apartment;
- d. Residential condominium; or
- e. Assisted living facility.

Wrap-Up Insurance Program

Bodily injury" or "property damage" arising out of any project that is or was subject to a "wrap-up insurance program".

2. The following is added to Paragraph **B.** of **SECTION VI – DEFINITIONS:**

"Exterior insulation and finish system" means an exterior cladding or finish system used on any part of any structure and consisting of:

- a. A rigid or semi rigid insulation board made of expanded polystyrene or other materials;
- b. The adhesive or mechanical fasteners used to attach the insulation board to the substrate;
- c. A reinforced base coat; and
- d. A finish coat providing surface texture and color.

"Professional services":

a. Includes:

- (1) Preparing, approving, or failing to prepare or approve, any map, shop drawing, opinion, report, survey, field order or change order, or preparing, approving, or failing to prepare or approve, any drawing or specification; and

- (2) Any supervisory or inspection activity performed as part of any related architectural, or engineering or surveying activity.

- b. Does not include any service within construction means, methods, techniques, sequences and procedures employed by you in connection with your operations in your capacity as a construction contractor.

"Wrap-up insurance program" means any agreement or arrangement, including any contractor-controlled, owner-controlled or similar insurance program, under which:

- a. Some or all of the contractors working on a specific project, or specific projects, are required to enroll in a program to obtain insurance that:

- (1) Includes liability insurance; and

- (2) Is issued specifically for injury or damage arising out of such project or projects; and

- b. You are or were enrolled or allowed to enroll.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DISCRIMINATION EXCLUSION – COVERAGE B

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

The following exclusion is added to Paragraph **B.** of
SECTION IV – EXCLUSIONS:

Discrimination

"Bodily injury", "property damage", "personal injury" or
"advertising injury" arising out of discrimination based
upon a person's sex, sexual orientation, marital

status, pregnancy, race, color, creed, religion,
national origin, citizenship, veteran status, age,
genetic information or physical or mental disability, or
any other characteristic, attribute, trait, condition or
status that qualifies a person for protection against
discrimination under federal, state or local law.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

LEAD EXCLUSION – COVERAGE B

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

PROVISIONS

The following exclusion is added to Paragraph **B.** of **SECTION IV – EXCLUSIONS:**

Lead

- a. "Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of the actual or alleged presence or actual, alleged or threatened dispersal, release, ingestion, inhalation or absorption of lead, lead compounds or lead which is or was contained or incorporated into any material or substance.
- b. "Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of the actual or alleged presence or actual, alleged or threatened dispersal, release, ingestion, inhalation or absorption of any other solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapors, soot, fumes, acids, alkalis, chemicals and waste, and that is part of any claim or "suit" which also alleges any injury

or damage described in Paragraph **a.** of this exclusion.

- c. Any loss, cost or expense arising out of any:

- (1) Request, demand, order or statutory or regulatory requirement that any insured or any other person or organization test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, lead, lead compounds or lead which is or was contained or incorporated into any material or substance; or
- (2) Claim or suit by or for any governmental authority or any other person or organization arising out of the testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing or in any way responding to, or assessing the effects of, lead, lead compounds or lead which is or was contained or incorporated into any material or substance.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

SILICA OR SILICA-RELATED DUST EXCLUSION – COVERAGE B

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

PROVISIONS

1. The following exclusion is added to Paragraph **B.** of **SECTION IV – EXCLUSIONS:**

Silica or Silica-Related Dust

- a. "Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of the actual, alleged or threatened discharge, dispersal, emission, release, escape, handling, contact with, exposure to or inhalation or respiration of "silica" or "silica-related dust".
- b. "Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of the actual, alleged or threatened discharge, dispersal, emission, release, escape, handling, contact with, exposure to or inhalation or respiration of any other solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapors, soot, fumes, acids, alkalis, chemicals and waste, and that is part of any claim or "suit" which also alleges any injury or damage described in Paragraph **a.** of this exclusion.
- c. Any loss, cost or expense arising out of any:

- (1) Request, demand, order or statutory or regulatory requirement that any insured or any other person or organization test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "silica" or "silica-related dust"; or
- (2) Claim or suit by or on behalf of any governmental authority or any other person or organization because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, "silica" or "silica-related dust".

2. The following is added to Paragraph **B.** of **SECTION VI – DEFINITIONS:**

"Silica" means silica dioxide (occurring in crystalline, amorphous and impure forms), silica particles, silica dust or silica compounds.

"Silica-related dust" means a mixture or combination of "silica" and other dust or particles.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

INTELLECTUAL PROPERTY EXCLUSION – COVERAGE B

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

The following replaces Exclusion **23.**, **Intellectual Property**, in Paragraph **B.** of **SECTION IV – EXCLUSIONS**:

23. Intellectual Property

"Personal injury" or "advertising injury" arising out of any actual or alleged infringement or violation of any of the following rights or laws, or any other "personal injury" or "advertising injury" alleged in any claim or "suit" that also alleges any such infringement or violation:

- a. Copyright;
- b. Patent;
- c. Trade dress;
- d. Trade name;
- e. Trademark;
- f. Trade secret; or

g. Other intellectual property rights or laws.

This exclusion applies regardless of whether the allegation of infringement or violation of any of these rights or laws is made by any person or organization making the claim or bringing the "suit", by any insured or by any other party to the claim or "suit".

This exclusion does not apply to:

- a. "Advertising injury" arising out of any actual or alleged infringement or violation of another's copyright, "title" or "slogan" in your "advertisement"; or
- b. Any other "personal injury" or "advertising injury" alleged in any claim or "suit" that also alleges any such infringement or violation of another's copyright, "title" or "slogan" in your "advertisement".

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

VIOLATION OF BIOMETRIC INFORMATION PRIVACY LAWS EXCLUSION – COVERAGE B

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

PROVISIONS

1. The following exclusion is added to Paragraph B. of **SECTION IV – EXCLUSIONS:**

Violation Of Biometric Information Privacy Laws

"Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of any actual or alleged violation of a "biometric information privacy law", or any other "bodily injury", "property damage", "personal injury" or "advertising injury" alleged in any claim or "suit" that also alleges any such violation.

2. The following is added to Paragraph B. of **SECTION VI – DEFINITIONS:**

"Biometric information":

- a. Means information about a person's physical, biological or behavioral characteristics that can be used to identify such person.
- b. Includes a person's retina or iris scan, fingerprint, voiceprint, scan of hand or face or other body geometry, DNA, vein pattern, keystroke pattern or rhythm, gait pattern or rhythm, or sleep, health or exercise data that contain identifying information.

"Biometric information privacy law" means the parts of any law, ordinance, regulation or governmental rule that govern or relate to the collection, storage, disclosure, retention, destruction, protection, use, sale, lease or trade of "biometric information".

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

TENNESSEE CHANGES – CANCELLATION AND NONRENEWAL

This endorsement modifies insurance provided under the following:

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

PROVISIONS

- 1. The following is added to Paragraph C., CANCELLATION, of SECTION V – CONDITIONS:**

CANCELLATION FOR POLICIES IN EFFECT FOR 60 DAYS OR MORE.

If this policy has been in effect for 60 days or more, or if this policy is a renewal of a policy we issued, we may cancel this policy only for one or more of the following reasons:

- a.** Nonpayment of premium, including any additional premium, calculated in accordance with our current rating manual, justified by a physical change in the insured property or a change in its occupancy or use;
- b.** Your conviction of a crime increasing any hazard insured against;
- c.** Discovery of fraud or material misrepresentation on the part of either of the following:
 - (1)** You or your representative in obtaining this insurance; or
 - (2)** You in pursuing a claim under this policy;
- d.** Failure to comply with written loss control recommendations;
- e.** Material change in the risk which increases the risk of loss after we issued or renewed insurance coverage;
- f.** Determination by the Insurance Commissioner that the continuation of the policy would jeopardize our solvency or would place us in violation of the insurance laws of Tennessee or any other state;

- g.** Your violation or breach of any policy terms or conditions; or
- h.** Any other reason approved by the Insurance Commissioner.

Notice of cancellation will state the reason for cancellation.

- 2. The following is added to SECTION V – CONDITIONS:**

WHEN WE DO NOT RENEW

- 1.** If we decide not to renew this policy, we will mail or deliver written notice of nonrenewal to the first Named Insured and agent, at least 60 days before the expiration date unless:
 - a.** We have offered to issue a renewal policy; or
 - b.** You have obtained replacement coverage or have agreed in writing to obtain replacement coverage.
- 2.** Any notice of nonrenewal will be mailed or delivered to the first Named Insured's and agent's addresses shown in the policy. If notice is mailed, proof of mailing will be sufficient proof of notice.

CANCELLATION OF FINANCED POLICIES

Whenever an insurance policy which is financed with a premium finance company is cancelled, the insurer will return, within 30 days after the effective date of the cancellation, whatever gross unearned premiums are due under the insurance policy directly to the premium finance company for the account of the first Named Insured.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

FEDERAL TERRORISM RISK INSURANCE ACT DISCLOSURE

This endorsement applies to the insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
CYBERFIRST ESSENTIALS GENERAL PROVISIONS FORM
CYBERFIRST GENERAL PROVISIONS FORM
EMPLOYEE BENEFITS LIABILITY COVERAGE PART
EMPLOYMENT-RELATED PRACTICES LIABILITY COVERAGE PART
EMPLOYMENT PRACTICES LIABILITY⁺ WITH IDENTITY FRAUD EXPENSE REIMBURSEMENT
COVERAGE PART
ENVIRONMENTAL HAZARD POLICY
EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE
EXCESS (FOLLOWING FORM) LIABILITY INSURANCE
LAW ENFORCEMENT LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
MANUFACTURERS ERRORS AND OMISSIONS LIABILITY COVERAGE PART
MEDFIRST PRODUCTS/COMPLETED OPERATIONS, ERRORS AND OMISSIONS, AND
INFORMATION SECURITY LIABILITY COVERAGE FORM
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
PUBLIC ENTITY MANAGEMENT LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
SPECIAL PROTECTIVE AND HIGHWAY LIABILITY POLICY – NEW YORK DEPARTMENT OF
TRANSPORTATION
TRIBAL BUSINESS MANAGEMENT LIABILITY COVERAGE PART
Any other Commercial Liability coverage included in this policy that is subject to the federal Terrorism
Risk Insurance Act of 2002 as amended

PROVISIONS

The federal Terrorism Risk Insurance Act of 2002 as amended ("TRIA") establishes a program under which the Federal Government may partially reimburse "Insured Losses" (as defined in TRIA) caused by "Acts Of Terrorism" (as defined in TRIA). Act Of Terrorism is defined in Section 102(1) of TRIA to mean any act that is certified by the Secretary of the Treasury – in consultation with the Secretary of Homeland Security and the Attorney General of the United States – to be an act of terrorism; to be a violent act or an act that is dangerous to human life, property, or infrastructure; to have resulted in damage within the United States, or outside the United States in the case of certain air carriers or vessels or the premises of a United States Mission; and to have been committed by an individual or individuals as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.

The Federal Government's share of compensation for such Insured Losses is 80% of the amount of such

Insured Losses in excess of each Insurer's "Insurer Deductible" (as defined in TRIA), subject to the "Program Trigger" (as defined in TRIA). In no event, however, will the Federal Government be required to pay any portion of the amount of such Insured Losses occurring in a calendar year that in the aggregate exceeds \$100 billion, nor will any Insurer be required to pay any portion of such amount provided that such Insurer has met its Insurer Deductible. Therefore, if such Insured Losses occurring in a calendar year exceed \$100 billion in the aggregate, the amount of any payments by the Federal Government and any coverage provided by this policy for losses caused by Acts Of Terrorism may be reduced.

For each coverage provided by this policy that applies to such Insured Losses, the charge for such Insured Losses is included in the premium for such coverage. The charge for such Insured Losses that has been included for each such coverage is the percentage of the premium for such coverage indicated below, and does not include any charge for the portion of such Insured Losses covered by the Federal Government under TRIA:

1%.

POLICYHOLDER NOTICES



POLICYHOLDER NOTICES

IMPORTANT NOTICE – LEAD EXCLUSION

NO COVERAGE IS PROVIDED BY THIS NOTICE. THIS NOTICE DOES NOT AMEND ANY PROVISION OF YOUR POLICY. YOU SHOULD REVIEW YOUR ENTIRE POLICY CAREFULLY FOR COMPLETE INFORMATION ON THE COVERAGES PROVIDED AND TO DETERMINE YOUR RIGHTS AND DUTIES UNDER YOUR POLICY. PLEASE CONTACT YOUR AGENT OR BROKER IF YOU HAVE ANY QUESTIONS ABOUT THIS NOTICE OR ITS CONTENTS. IF THERE IS ANY CONFLICT BETWEEN YOUR POLICY AND THIS NOTICE, THE PROVISIONS OF YOUR POLICY PREVAIL.

Your policy contains a Lead exclusion.

IMPORTANT NOTICE – INDEPENDENT AGENT AND BROKER COMPENSATION

NO COVERAGE IS PROVIDED BY THIS NOTICE. THIS NOTICE DOES NOT AMEND ANY PROVISION OF YOUR POLICY. YOU SHOULD REVIEW YOUR ENTIRE POLICY CAREFULLY FOR COMPLETE INFORMATION ON THE COVERAGES PROVIDED AND TO DETERMINE YOUR RIGHTS AND DUTIES UNDER YOUR POLICY. PLEASE CONTACT YOUR AGENT OR BROKER IF YOU HAVE ANY QUESTIONS ABOUT THIS NOTICE OR ITS CONTENTS. IF THERE IS ANY CONFLICT BETWEEN YOUR POLICY AND THIS NOTICE, THE PROVISIONS OF YOUR POLICY PREVAIL.

For information about how Travelers compensates independent agents and brokers, please visit www.travelers.com, call our toll-free telephone number 1-866-904-8348, or request a written copy from Marketing at One Tower Square, 2GSA, Hartford, CT 06183.

OVERPRINT
EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

POLICY NUMBER: CUP-4W807350-25-26
ISSUE DATE: 05/15/2025
RATER: GM

EFFECTIVE DATE: 05/01/2025
EXPIRATION DATE: 05/01/2026

INSURED'S NAME: WHALEY CONSTRUCTION LLC

New/Renewal: R
Solicitor Code:
SAI: 3098DA217
MSI:
Rating Mode: G

Special Code: SM
Program Code: 8CI
Paymode: L
Audit Frequency: N
Responsibility: D
Situs State: TN

Watch File:
Survey Code: 2
Reinsurance: N
DOWNSTREAM
Pro Rata Factor: 1.000

PREMIUM SUMMARY

ACCT. S.B.	EFF. MO.	PREMIUM DATE	PREMIUM .1000	TOTAL
D	05/25	05/01/2025	96,470.00	96,470.00
			96,470.00	96,470.00

PREMIUM SPLIT BY LINE:

Auto
G.L. Other 96,470
Products
Malpractice

OFFICE: SP-NASHVILLE 06N
PRODUCER NAME: ATHENS INS AGENCY

HG622