

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
HIGHWAY DIVISION 13

## PROPOSAL

DATE AND TIME OF BID OPENING: FEBRUARY 2, 2022 AT 2:00 PM

CONTRACT ID: 11990775

WBS ELEMENT NO.: 13.1011SM, 13.1012SM, 13.1057SM, 13.1059SM, 13.1061SM,  
13.1081SM, & 13.1100SM

FEDERAL AID NO.: N/A

COUNTY: BUNCOMBE, BURKE, MADISON, MCDOWELL, MITCHELL,  
RUTHERFORD, AND YANCEY COUNTIES

TIP NO.: N/A

MILES: N/A

ROUTE NO.: VARIOUS

LOCATION: VARIOUS

TYPE OF WORK: TRAFFIC SIGNAL CONSTRUCTION UPON REQUEST

### 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 ROADWAY PROJECT.

BID BONDS ARE REQUIRED.

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NAME OF BIDDER

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ADDRESS OF BIDDER

**PROPOSAL FOR THE CONSTRUCTION OF  
CONTRACT No. 11990775 IN BUNCOMBE, BURKE, MADISON, MCDOWELL, MITCHELL,  
RUTHERFORD AND YANCEY COUNTIES, NORTH CAROLINA**

Date \_\_\_\_\_ 20 \_\_\_\_\_

**DEPARTMENT OF TRANSPORTATION,  
RALEIGH, NORTH CAROLINA**

The Bidder has carefully examined the location of the proposed work to be known as Contract No. **11990775**; 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 2018 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 State Highway Contract No. **11990775** in **Buncombe, Burke, Madison, McDowell, Mitchell, Rutherford, and Yancey Counties**, 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 2018* 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.

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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.

#### **TRADITIONAL PAPER BIDS:**

1. Download the entire proposal from the Connect NCDOT website and return the entire proposal with your bid.
2. All entries on the itemized proposal sheet (bid form) shall be written in ink or typed.
3. The Bidder shall submit a unit price for every item on the itemized proposal sheet. The unit prices for the various contract items shall be written in figures. Unit prices shall be rounded off by the Bidder to contain no more than FOUR decimal places.
4. An amount bid shall be entered on the itemized proposal sheet for every item. The amount bid for each item shall be determined by multiplying each unit bid by the quantity for that item, and shall be written in figures in the "Amount" column of the form.
5. The total amount bid shall be written in figures in the proper place on the bid form. The total amount bid shall be determined by adding the amounts bid for each item.
6. Changes to any entry shall be made by marking through the entry in ink and making the correct entry adjacent thereto in ink. A representative of the Bidder shall initial the change in ink. Do not use correction fluid, correction tape or similar product to make corrections.
7. The bid shall be properly executed on the included **Execution of Bid – Non-collusion, Debarment and Gift Ban Certification** form. All bids shall show the following information:
  - a. Name of corporation, partnership, Limited Liability Company, joint venture, individual or firm, submitting bid.  
Corporations that have a corporate seal should include it on the bid.
  - b. Name of individual or representative submitting bid and position or title held on behalf of the bidder.
  - c. Name, signature, and position or title of witness.
8. The bid shall not contain any unauthorized additions, deletions, or conditional bids.
9. The Bidder shall not add any provision reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
10. **THE PROPOSAL WITH THE ITEMIZED PROPOSAL SHEET ATTACHED SHALL BE PLACED IN A SEALED ENVELOPE AND SHALL BE DELIVERED TO AND RECEIVED IN THE NCDOT DIVISION OFFICE, LOCATED AT 55 ORANGE STREET, BY 2:00 PM ON, FEBRUARY 2, 2022.**
11. The sealed bid must display the following statement on the front of the sealed envelope:

**QUOTATION FOR CONTRACT PROPOSAL #11990775 – TRAFFIC SIGNAL  
CONSTRUCTION UPON REQUEST AT VARIOUS LOCATIONS IN BUNCOMBE, BURKE,  
MADISON, MCDOWELL, MITCHELL, RUTHERFORD, AND YANCEY COUNTIES TO BE  
OPENED AT 2:00 PM ON WEDNESDAY, FEBRUARY 2, 2022.**

**ATTN: MCCRAY COATES**

12. If delivered by mail, the sealed envelope shall be placed in another sealed envelope and the outer envelope shall be addressed as follows:

**N. C. DEPARTMENT OF TRANSPORTATION  
ATTN: MCCRAY COATES  
55 ORANGE STREET  
ASHEVILLE, NC 28801**

**PROJECT SPECIAL PROVISIONS**

**GENERAL**

**MANDATORY PRE-BID CONFERENCE (Prequalifying to Bid):**

(7-18-06) (Rev. 3-25-13)

SPD 1-310

In order for all prospective bidders to have an extensive knowledge of the contract, all prospective bidders shall attend a mandatory pre-bid conference on:

Tuesday January 25, 2022 at 1:30 PM

NC Department of Transportation Division Office  
55 Orange Street  
Asheville, NC 28801

OR

**[Microsoft Teams Meeting January 25, 2022](#)**

The pre-bid conference will include a thorough discussion of the contract, contract pay items, special provisions, etc.

Only bidders who have attended and properly registered at the above scheduled pre-bid conference and who have met all other prequalification requirements will be considered prequalified to bid on this project. A bid received from a bidder who has not attended and properly registered at the above scheduled pre-bid conference will not be accepted and considered for award.

Attendance at the pre-bid conference will not meet the requirements of proper registration unless the individual attending has registered at the pre-bid conference in accordance with the following:

- (A) The individual has signed his name on the official roster prior to the above noted time for the beginning of the conference.
- (B) The individual has written in the name and address of the company he or she represents.
- (C) Only one company has been shown as being represented by the individual attending.
- (D) The individual attending is an officer or permanent employee of the company they are representing.

Any individual arriving after the official roster has been received by the Engineer will not be eligible to bid.

Attending remotely will not disqualify you as a bidder. Please contact Chad Loftis, Division Staff Engineer, at (828)250-3000 at the time of the meeting if any problems are experienced using the link to join remotely.

**PROJECT DESCRIPTION:**

This blanket contract is for the installation of signal heads, spanwire, signal cable, cabinets, detector loops/sealant and emergency repairs for traffic signal installations, upgrades, and emergency construction and repair at various locations in Buncombe, Burke, Madison, McDowell, Mitchell, Rutherford, and Yancey County on an as needed basis. The Contractor will furnish labor, equipment, traffic control and some materials.

All work and materials shall be in accordance with the provisions in the contract, the *2018 NCDOT Standard Specifications for Roads and Structures*, the *2018 NCDOT Roadway Standard Drawings*, the current *NCDOT Metal Pole Standards*, the current *National Electric Code (NEC)*, the current *National Electrical Safety Code (NESC)*, the *2009 Manual of Uniform Traffic Control Devices (MUTCD)*, and the *2009 North Carolina Supplement to the Manual of Uniform Traffic Control Devices (NCMUTCD)*. The current edition of these specifications and publications in effect on the date of advertisement will apply.

**DIVISION LET CONTRACT PREQUALIFICATION:**

(07-01-14)(12-1-16)

SPD 01-410

Any firm that wishes to bid as a prime contractor shall be prequalified as a Bidder or PO Prime Contractor prior to submitting a bid. Information regarding prequalification can be found at: <https://connect.ncdot.gov/business/Prequal/Pages/default.aspx>.

Prior to performing the work, the prime contractor and/or subcontractor(s) shall be prequalified in the work code(s) which are identified as work items in the prime contractor's construction progress schedule that they will complete themselves. Any contractor identified as working outside their expertise may be considered in default of contract.

**BOND REQUIREMENTS:**

(06-01-16)

102-8, 102-10

SPD 01-420A

A Bid Bond is required in accordance with Article 102-10 of the *2018 Standard Specifications for Roads and Structures*.

Contract Payment and Performance Bonds are required in accordance with Article 103-7 of the *2018 Standard Specifications for Roads and Structures*.

**CONTRACT PERIOD:**

(02-02-22)

SPD

This contract shall be effective for one (1) contract period (12 months). At the option of the Department and upon agreement by the Contractor, this contract may be extended for up to two (2) additional one (1) year periods with the unit bid prices increased by 3.0% each year. **The yearly percentage increase will not apply to items where the pricing has been predetermined by the Department.**

If the contract is to be extended, the Engineer will offer an extension to the Contractor in writing within seventy-five days of the current contract completion date. The Contractor shall notify the

Engineer in writing within fifteen days of his acceptance or rejection of the extension offer. Failure on the part of the Contractor to reply within fifteen days of an extension offer will be considered an offer rejection.

For each additional year the contract is extended, the Contractor shall provide an ACORD insurance certificate showing a minimum of \$5,000,000 Liability Insurance along with proof of all other legally required insurance a minimum of thirty (30) days prior to the expiration of the current contract.

**NOTIFICATIONS OF OPERATIONS:**

SPD

The Contractor shall notify the Engineer 48 hours in advance of beginning work on this contract. The Contractor shall give the Engineer sufficient notice of all operations for any sampling, inspection or acceptance testing required.

**CONTRACT TIME AND LIQUIDATED DAMAGES:**

(7-1-95) (Rev. 12-18-07)

108

SP1 G10 A

The date of availability for this contract is **March 2, 2022**.

The completion date for this contract is **March 1, 2023**.

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.

Work deployments for this contract will be in the form of mobilizations on an **as needed basis**. The liquidated damages for a **Normal Mobilization** are **One Thousand One Hundred Dollars (\$1,100.00)** per calendar day, for a **High Priority Mobilization** are **One Thousand One Hundred Dollars (\$1,100.00)** per calendar day, and for an **Emergency Mobilization** are **One Thousand One Hundred Dollars (\$1,100.00)** per hour. See **Mobilization** in the **Project Special Provisions – Roadway** for additional information regarding specifics of these liquidated damages.

**INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES:**

(2-20-07)

108

SP1 G14 A

The Contractor shall complete the required work of installing, maintaining, and removing the traffic control devices for lane closures and restoring traffic to the existing traffic pattern. The Contractor shall not close or narrow a lane of traffic on **ANY ROAD** during the following time restrictions **unless approved by the Engineer:**

**DAY AND TIME RESTRICTIONS****12:00 AM (midnight) Sunday to 6:00 AM Monday**

**Note - the Contractor may be directed to conduct operations during night or weekend hours as directed by the Engineer.**

In addition, the Contractor shall not close or narrow a lane of traffic on **ANY ROAD**, detain and/or alter the traffic flow on or during holidays, holiday weekends, special events, or any other time when traffic is unusually heavy, including the following schedules **unless approved by the Engineer:**

**HOLIDAY AND HOLIDAY WEEKEND LANE CLOSURE RESTRICTIONS**

1. For **unexpected occurrence** that creates unusually high traffic volumes, as directed by the Engineer.
2. For **New Year's Day**, between the hours of **2:00 PM** December 31st and **9:00 AM** January 2nd. If New Year's Day is on a Friday, Saturday, Sunday or Monday, then until **9:00 AM** the following Tuesday.
3. For **Easter**, between the hours of **2:00 PM** Thursday and **9:00 AM** Monday.
4. For **Memorial Day**, between the hours of **2:00 PM** Friday and **9:00 AM** Tuesday.
5. For **Independence Day**, between the hours of **2:00 PM** the day before Independence Day and **9:00 AM** the day after Independence Day.  
  
If **Independence Day** is on a Friday, Saturday, Sunday or Monday, then between the hours of **2:00 PM** the Thursday before Independence Day and **9:00 AM** the Tuesday after Independence Day.
6. For **Labor Day**, between the hours of **2:00 PM** Friday and **9:00 AM** Tuesday.
7. For **Thanksgiving Day**, between the hours of **2:00 PM** Tuesday and **9:00 AM** Monday.
8. For **Christmas**, between the hours of **2:00 PM** the Friday before the week of Christmas Day and **9:00 AM** the following Tuesday after the week of Christmas Day.



Holidays and holiday weekends shall include New Year's, Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas. The Contractor shall schedule his work so that lane closures will not be required during these periods, unless otherwise directed by the Engineer.

The time of availability for this intermediate contract work shall be the time the Contractor begins to install all traffic control devices for lane closures according to the time restrictions listed herein.

The completion time for this intermediate contract work shall be the time the Contractor is required to complete the removal of all traffic control devices for lane closures according to the time restrictions stated above and place traffic in the existing traffic pattern.

The liquidated damages are **One Thousand One Hundred Dollars (\$1,100.00)** per hour.

**RAILROAD GRADE CROSSING:**

(7-1-95) (Rev. 10-20-20)

107-9

SP1 G17R

When the use of slow moving or stopped equipment is required over at-grade railroad crossings, the contractor shall contact the appropriate track owner to gain Right of Entry. The contractor shall be responsible for ascertaining and contacting the railroad track owner.

No separate payment will be made for conforming with the requirements of this Special Provision. Please contact the Resident Engineer or the Surfaces and Encroachment manager with the Rail Division with any questions pertaining to the Right of Entry at 919-707-4132 or [mmclamb@ncdot.gov](mailto:mmclamb@ncdot.gov).

**NO MAJOR CONTRACT ITEMS:**

(2-19-02) (Rev. 8-21-07)

104

SP1 G31

None of the items included in this contract will be major items.

**NO SPECIALTY ITEMS:**

(7-1-95)

108-6

SP1 G34

None of the items included in this contract will be specialty items (see Article 108-6 of the *2018 Standard Specifications*).

**MINORITY BUSINESS ENTERPRISE AND WOMEN BUSINESS ENTERPRISE (DIVISIONS):**

(10-16-07)(Rev. 8-17-21)

102-15(J)

SP1 G67

**Description**

The purpose of this Special Provision is to carry out the North Carolina Department of Transportation's policy of ensuring nondiscrimination in the award and administration of contracts financed in whole or in part with State funds.

**Definitions**

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

*Combined MBE/WBE Goal*: A portion of the total contract, expressed as a percentage that is to be performed by committed MBE/WBE subcontractors.

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

*Contract Goal Requirement* - The approved participation at time of award, but not greater than the advertised Combined MBE/WBE contract goal.

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

*Manufacturer* - A firm that operates or maintains a factory or establishment that produces on the premises, the materials or supplies obtained by the Contractor.

*MBE Participation (Anticipated)* - A portion of the total contract, expressed as a percentage that is anticipated to be performed by committed MBE subcontractor(s).

*Minority Business Enterprise (MBE)* - A firm certified as a Disadvantaged Minority-Owned Business Enterprise through the North Carolina Unified Certification Program.

*Regular Dealer* - A firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials or supplies required for the performance of the contract are bought, kept in stock, 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, cement, gravel, stone, and petroleum products need not keep such products in stock, if it owns and operates distribution equipment for the products. Brokers and packagers are not regarded as manufacturers or regular dealers within the meaning of this section.

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

*North Carolina Unified Certification Program (NCUCP)* - A program that provides comprehensive services and information to applicants for MBE/WBE certification. The MBE/WBE program follows the same regulations as the federal Disadvantaged Business Enterprise (DBE) program 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.

*WBE Participation (Anticipated)* - A portion of the total contract, expressed as a percentage that is anticipated to be performed by committed WBE subcontractor(s).

*Women Business Enterprise (WBE)* - A firm certified as a Disadvantaged Women-Owned Business Enterprise through the North Carolina Unified Certification Program.

### **Forms and Websites Referenced in this Provision**

*Payment Tracking System* - On-line system in which the Contractor enters the payments made to MBE and WBE 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 MBE/WBE 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 MBE/WBE Replacement Request Form* - Form for replacing a committed MBE or WBE.  
<http://connect.ncdot.gov/projects/construction/Construction%20Forms/DBE%20MBE%20WBE%20Replacement%20Request%20Form.pdf>

*SAF Subcontract Approval Form* - Form required for approval to sublet the contract.  
<http://connect.ncdot.gov/projects/construction/Construction%20Forms/Subcontract%20Approval%20Form%20Rev.%202012.zip>

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

*Letter of Intent* - Form signed by the Contractor and the MBE/WBE subcontractor, manufacturer or regular dealer that affirms that a portion of said contract is going to be performed by the signed MBE/WBE 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 MBE and WBE Subcontractors Form* - Form for entering MBE/WBE subcontractors on a project that will meet the Combined MBE/WBE goal. This form is for paper bids only.  
[http://connect.ncdot.gov/municipalities/Bid%20Proposals%20for%20LGA%20Content/09%20MBE-WBE%20Subcontractors%20\(State\).docx](http://connect.ncdot.gov/municipalities/Bid%20Proposals%20for%20LGA%20Content/09%20MBE-WBE%20Subcontractors%20(State).docx)

*Subcontractor Quote Comparison Sheet* - Spreadsheet for showing all subcontractor quotes in the work areas where MBEs and WBEs 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>

### **Combined MBE/WBE Goal**

The Combined MBE/WBE Goal for this project is **0.0 %**

The Combined Goal was established utilizing the following anticipated participation for Minority Business Enterprises and Women Business Enterprises:

**(A) Minority Business Enterprises 0.0 %**

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

**(B) Women Business Enterprises 0.0 %**

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

The Bidder is required to submit only participation to meet the Combined MBE/WBE Goal. The Combined Goal may be met by submitting all MBE participation, all WBE participation, or a combination of MBE and WBE participation.

### **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 MBE and WBE certified shall be used to meet the Combined MBE / WBE goal. The Directory can be found at the following link.

<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 MBE/WBE Subcontractors

At the time of bid, bidders shall submit all MBE and WBE participation that they anticipate to use during the life of the contract. Only those identified to meet the Combined MBE/WBE goal will be considered committed, even though the listing shall include both committed MBE/WBE subcontractors and additional MBE/WBE subcontractors. Any additional MBE/WBE subcontractor participation above the goal will follow the banking guidelines found elsewhere in this provision. All other additional MBE/WBE subcontractor participation submitted at the time of bid will be used toward the Department's overall race-neutral goals. Only those firms with current MBE and WBE certification at the time of bid opening will be acceptable for listing in the bidder's submittal of MBE and WBE participation. The Contractor shall indicate the following required information:

#### (A) Electronic Bids

Bidders shall submit a listing of MBE and WBE participation in the appropriate section of the electronic submittal file.

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

#### (B) Paper Bids

- (1) *If the Combined MBE/ WBE goal is more than zero,*
  - (a) Bidders, at the time the bid proposal is submitted, shall submit a listing of MBE/WBE participation, including the names and addresses on *Listing of MBE and WBE 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 MBE and WBE participation for the contract.
  - (b) If bidders have no MBE or WBE participation, they shall indicate this on the *Listing of MBE and WBE 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 MBE and WBE 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 MBE/WBE 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 MBE's or WBE's participation will not count towards achieving the Combined MBE/WBE goal.
- (2) *If the Combined MBE/WBE Goal is zero*, entries on the *Listing of MBE and WBE Subcontractors* are not required for the zero goal, however any MBE or WBE participation that is achieved during the project shall be reported in accordance with requirements contained elsewhere in the special provision.

### **MBE or WBE Prime Contractor**

When a certified MBE or WBE firm bids on a contract that contains a Combined MBE/WBE Goal, the 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 MBE or WBE bidder on a contract will meet the Combined MBE/WBE goal by virtue of the work it performs on the contract with its own forces. However, all the work that is performed by the MBE or WBE bidder and any other similarly certified subcontractors will count toward the goal. The MBE or WBE bidder shall list itself along with any MBE or WBE subcontractors, if any, in order to receive credit toward the goals.

MBE/WBE prime contractors shall also follow Sections A or B listed under *Listing of MBE/WBE Subcontractors* just as a non-MBE/WBE bidder would.

### **Written Documentation – Letter of Intent**

The bidder shall submit written documentation for each MBE/WBE that will be used to meet the Combined MBE/WBE goal of the contract, indicating the bidder's commitment to use the MBE/WBE 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 MBE and WBE to be used toward the Combined MBE/WBE goal, or if the form is incomplete (i.e. both signatures are not present), the MBE/WBE participation will not count toward meeting the Combined MBE/WBE goal. If the lack of this participation drops the commitment below the Combined MBE/WBE goal,

the Contractor shall submit evidence of good faith efforts for the goal not met, completed in its entirety, to the Engineer no later than 2:00 p.m. of 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.

### **Banking MBE/WBE Credit**

If the committed MBE/WBE participation submitted exceeds the algebraic sum of the Combined MBE/WBE goal by \$1,000 or more, the excess will be placed on deposit by the Department for future use by the bidder. Separate accounts will be maintained for MBE and WBE participation and these may accumulate for a period not to exceed 24 months.

When the apparent lowest responsive bidder fails to submit sufficient participation by MBE and WBE firms to meet the advertised goal, as part of the good faith effort, the Department will consider allowing the bidder to withdraw funds to meet the Combined MBE/WBE goal as long as there are adequate funds available from the bidder's MBE and WBE bank accounts.

### **Submission of Good Faith Effort**

If the bidder fails to meet or exceed the Combined MBE/WBE goal, the apparent lowest responsive bidder shall submit to the Department documentation of adequate good faith efforts made to reach that specific goal.

One complete set and **3** 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 MBE/WBE 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 a Combined MBE/WBE Goal 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 MBE/WBE participation. Adequate good faith efforts also mean that the bidder actively and aggressively sought MBE/WBE 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 goals 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 MBEs/WBEs that are also prequalified subcontractors. The bidder must solicit this interest within at least 10 days prior to bid opening to allow the MBEs/WBEs to respond to the solicitation. Solicitation shall provide the opportunity to MBEs/WBEs within the Division and surrounding Divisions where the project is located. The bidder must determine with certainty if the MBEs/WBEs are interested by taking appropriate steps to follow up initial solicitations.
- (B) Selecting portions of the work to be performed by MBEs/WBEs in order to increase the likelihood that the Combined MBE/WBE goal will be achieved.
  - (1) Where appropriate, break out contract work items into economically feasible units to facilitate MBE/WBE 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 advertised goal when the work to be sublet includes potential for MBE/WBE participation (2<sup>nd</sup> and 3<sup>rd</sup> tier subcontractors).
- (C) Providing interested certified MBEs/WBEs that are also prequalified subcontractors 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 MBEs/WBEs. It is the bidder's responsibility to make a portion of the work available to MBE/WBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available MBE/WBE subcontractors and suppliers, so as to facilitate MBE/WBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of MBEs/WBEs 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 MBEs/WBEs to perform the work.
  - (2) A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including MBE/WBE subcontractors, and would take a firm's price and capabilities as well as the advertised goal into consideration. However, the fact that there may be some additional costs involved in finding and using MBEs/WBEs is not in itself sufficient reason for a bidder's failure to meet the advertised 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 MBEs/WBEs if the price difference is excessive or unreasonable.

- (E) Not rejecting MBEs/WBEs 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 MBEs/WBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or bidder.
- (G) Making efforts to assist interested MBEs/WBEs 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 MBEs/WBEs. Contact within 7 days from the bid opening the Business Opportunity and Work Force Development Unit at [BOWD@ncdot.gov](mailto:BOWD@ncdot.gov) to give notification of the bidder's inability to get MBE or WBE quotes.
- (I) Any other evidence that the bidder submits which shows that the bidder has made reasonable good faith efforts to meet the advertised 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 Combined MBE/WBE goal.
- (2) The bidders' past performance in meeting the contract goal.
- (3) The performance of other bidders in meeting the advertised goal. For example, when the apparent successful bidder fails to meet the 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 advertised goal, but meets or exceeds the average MBE and WBE 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 Combined MBE/WBE goal can be met or that an adequate good faith effort has been made to meet the advertised 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 MBE/WBE Participation Toward Meeting the Combined MBE/WBE Goal**

#### **(A) Participation**

The total dollar value of the participation by a committed MBE/WBE will be counted toward the contract goal requirements. The total dollar value of participation by a committed MBE/WBE will be based upon the value of work actually performed by the MBE/WBE and the actual payments to MBE/WBE firms by the Contractor.

#### **(B) Joint Checks**

Prior notification of joint check use shall be required when counting MBE/WBE 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 MBE/WBE may enter into subcontracts. Work that a MBE subcontracts to another MBE firm may be counted toward the anticipated MBE participation. The same holds for work that a WBE subcontracts to another WBE firm. Work that a MBE/WBE subcontracts to a non-MBE/WBE firm does not count toward the contract goal requirement. It should be noted that every effort shall be made by MBE and WBE contractors to subcontract to the same certification (i.e., MBEs to MBEs and WBEs to WBEs), in order to fulfill the MBE or WBE participation breakdown. This, however, may not always be possible due to the limitation of firms in the area. If the MBE or WBE firm shows a good faith effort has been made to reach out to similarly certified firms and there is no interest or availability, and they can get assistance from other certified firms, the Engineer will not hold the prime responsible for meeting the individual MBE or WBE breakdown. If a MBE or WBE 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 MBE or WBE is not performing a commercially useful function.

**(D) Joint Venture**

When a MBE or WBE 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 MBE or WBE in the joint venture, that portion of the total dollar value being a distinct clearly defined portion of work that the MBE or WBE performs with its forces.

**(E) Suppliers**

A contractor may count toward its MBE /WBE requirement 60 percent of its expenditures for materials and supplies required to complete the contract and obtained from a MBE or WBE regular dealer and 100 percent of such expenditures from a MBE or WBE manufacturer.

**(F) Manufacturers and Regular Dealers**

A contractor may count toward its MBE /WBE requirement the following expenditures to MBE/WBE firms that are not manufacturers or regular dealers:

- (1) The fees or commissions charged by a MBE/WBE 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 MBE/WBE, which is neither a manufacturer nor a regular dealer, count the entire amount of fees or commissions charged for assistance in the procurement of the materials and supplies, or fees or transportation charges for the delivery of materials or supplies required on a job site (but not the cost of the materials and supplies themselves), provided the fees are determined to be reasonable and not excessive as compared with fees customarily allowed for similar services.

**Commercially Useful Function****(A) MBE/WBE Utilization**

The Contractor may count toward its contract goal requirement only expenditures to MBEs and WBEs that perform a commercially useful function in the work of a contract. A MBE/WBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a commercially useful function, the MBE/WBE 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 MBE/WBE 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 actually performing and the MBE/WBE credit claimed for its performance of the work, and any other relevant factors. If it is determined that a MBE or WBE is not performing a Commercially Useful Function, the contractor may present evidence to rebut this presumption to the Department.

(B) MBE/WBE Utilization in Trucking

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

- (1) The MBE/WBE 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 the Combined MBE/WBE goal.
- (2) The MBE/WBE shall itself own and operate at least one fully licensed, insured, and operational truck used on the contract.
- (3) The MBE/WBE 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 MBE may subcontract the work to another MBE firm, including an owner-operator who is certified as a MBE. The same holds true that a WBE may subcontract the work to another WBE firm, including an owner-operator who is certified as a WBE. When this occurs, the MBE or WBE who subcontracts work receives credit for the total value of the transportation services the subcontracted MBE or WBE provides on the contract. It should be noted that every effort shall be made by MBE and WBE contractors to subcontract to the same certification (i.e., MBEs to MBEs and WBEs to WBEs), in order to fulfill the participation breakdown. This, however, may not always be possible due to the limitation of firms in the area. If the MBE or WBE firm shows a good faith effort has been made to reach out to similarly certified transportation service providers and there is no interest or availability, and they can get assistance from other certified providers, the Engineer will not hold the prime responsible for meeting the individual MBE or WBE participation breakdown.
- (5) The MBE/WBE may also subcontract the work to a non-MBE/WBE firm, including from an owner-operator. The MBE/WBE who subcontracts the work to a non-MBE/WBE is entitled to credit for the total value of transportation services provided by the non-MBE/WBE subcontractor not to exceed the value of transportation services provided by MBE/WBE-owned trucks on the contract. Additional participation by non-MBE/WBE 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 MBE/WBE and the Contractor will not count towards the MBE/WBE contract requirement.

- (6) A MBE/WBE may lease truck(s) from an established equipment leasing business open to the general public. The lease must indicate that the MBE/WBE 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 MBE/WBE, so long as the lease gives the MBE/WBE absolute priority for use of the leased truck. This type of lease may count toward the MBE/WBE's credit as long as the driver is under the MBE/WBE's payroll.
- (7) Subcontracted/leased trucks shall display clearly on the dashboard the name of the MBE/WBE 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.

### **MBE/WBE Replacement**

When a Contractor has relied on a commitment to a MBE or WBE subcontractor (or an approved substitute MBE or WBE subcontractor) to meet all or part of a contract goal requirement, the contractor shall not terminate the MBE/WBE subcontractor 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 MBE/WBE subcontractor, a non-MBE/WBE 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 MBE/WBE subcontractor, with a copy to the Engineer of its intent to request to terminate and/or substitute, and the reason for the request. The Contractor must give the MBE/WBE subcontractor five (5) business days to respond to the Contractor's Notice of Intent to Request Termination and/or Substitution. If the MBE/WBE subcontractor objects to the intended termination/substitution, the MBE/WBE, 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 MBE/WBE subcontractor.

A committed MBE/WBE subcontractor may only be terminated after receiving the Department's written approval based upon a finding of good cause for the proposed termination and/or substitution. For purposes of this section, good cause shall include the following circumstances:

- (a) The listed MBE/WBE subcontractor fails or refuses to execute a written contract;
- (b) The listed MBE/WBE 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 MBE/WBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the prime contractor;
- (c) The listed MBE/WBE subcontractor fails or refuses to meet the prime contractor's reasonable, nondiscriminatory bond requirements;

- (d) The listed MBE/WBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness;
- (e) The listed MBE/WBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant to 2 CFR Parts 180, 215 and 1,200 or applicable state law;
- (f) The listed MBE/WBE subcontractor is not a responsible contractor;
- (g) The listed MBE/WBE voluntarily withdraws from the project and provides written notice of withdrawal;
- (h) The listed MBE/WBE is ineligible to receive MBE/WBE credit for the type of work required;
- (i) A MBE/WBE owner dies or becomes disabled with the result that the listed MBE/WBE contractor is unable to complete its work on the contract;
- (j) Other documented good cause that compels the termination of the MBE/WBE subcontractor. Provided, that good cause does not exist if the prime contractor seeks to terminate a MBE/WBE it relied upon to obtain the contract so that the prime contractor can self-perform the work for which the MBE/WBE contractor was engaged or so that the prime contractor can substitute another MBE/WBE or non-MBE/WBE contractor after contract award.

The Contractor shall comply with the following for replacement of a committed MBE/WBE:

(A) Performance Related Replacement

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

If a replacement MBE/WBE is not found that can perform at least the same amount of work as the terminated MBE/WBE, 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 MBE/WBEs that their interest is solicited in contracting the work defaulted by the previous MBE/WBE or in subcontracting other items of work in the contract.
- (2) Efforts to negotiate with MBE/WBEs for specific subbids including, at a minimum:
  - (a) The names, addresses, and telephone numbers of MBE/WBEs who were contacted.
  - (b) A description of the information provided to MBE/WBEs regarding the plans and specifications for portions of the work to be performed.
- (3) A list of reasons why MBE/WBE quotes were not accepted.

- (4) Efforts made to assist the MBE/WBEs contacted, if needed, in obtaining bonding or insurance required by the Contractor.
- (B) Decertification Replacement
- (1) When a committed MBE/WBE 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 MBE/WBE 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.
  - (2) When a committed MBE/WBE is decertified prior to the Department receiving the SAF (*Subcontract Approval Form*) for the named MBE/WBE firm, the Contractor shall take all necessary and reasonable steps to replace the MBE/WBE subcontractor with another MBE/WBE subcontractor to perform at least the same amount of work to meet the Combined MBE/WBE goal requirement. If a MBE/WBE 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).
  - (3) Exception: If the MBE/WBE's ineligibility is caused solely by its having exceeded the size standard during the performance of the contract, the Department will not require the Contractor to solicit replacement MBE/WBE 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 and overall goal.

All requests for replacement of a committed MBE/WBE 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 MBE/WBE, 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 MBE/WBE based upon the Contractor's commitment, the MBE/WBE shall participate in additional work to the same extent as the MBE/WBE 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 MBEs/WBEs 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 MBE/WBE,

the Contractor shall seek participation by MBEs/WBEs 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 MBE/WBE, the Contractor shall seek additional participation by MBEs/WBEs equal to the reduced MBE/WBE 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 MBE/WBE subcontractor. The Department reserves the right to require copies of actual subcontract agreements involving MBE/WBE 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 MBE/WBE 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 MBE/WBE credit.

### **Reporting Minority and Women Business Enterprise Participation**

The Contractor shall provide the Engineer with an accounting of payments made to all MBE and WBE 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 MBEs/WBEs, 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 further work on future projects until the required information is submitted.

Contractors reporting transportation services provided by non-MBE/WBE 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 *2018 Standard Specifications* may be cause to disqualify the Contractor.

### **CONTRACTOR'S LICENSE REQUIREMENTS:**

(7-1-95)

102-14

SP1 G88

If the successful bidder does not hold the proper license to perform any plumbing, heating, air conditioning, or electrical work in this contract, he will be required to sublet such work to a contractor properly licensed in accordance with *Article 2 of Chapter 87 of the General Statutes* (licensing of heating, plumbing, and air conditioning contractors) and *Article 4 of Chapter 87 of the General Statutes* (licensing of electrical contractors).

### **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

SPI 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.

**SUBSURFACE INFORMATION:**

(7-1-95)

450

SPI G112 A

There is **no** subsurface information available on this project. The Contractor shall make their own investigation of subsurface conditions.

**OUTSOURCING OUTSIDE THE USA:**

(9-21-04) (Rev. 5-16-06)

SP1 G150

All work on consultant contracts, services contracts, and construction contracts shall be performed in the United States of America. No work shall be outsourced outside of the United States of America.

*Outsourcing* for the purpose of this provision is defined as the practice of subcontracting labor, work, services, staffing, or personnel to entities located outside of the United States.

The North Carolina Secretary of Transportation shall approve exceptions to this provision in writing.

**QUANTITIES ESTIMATED:**

(01-20-21)

102-5

SPD

The contract quantities shown on the itemized bid form are estimated for a one year **as-needed** contract term and are provided for comparison of bids. The actual quantities of completed work may be more or less than the contract quantities.

**INVOICES:**

(01-20-21)

The Contractor may submit a request for partial payment monthly or another interval as approved by the Engineer. The amount of partial payments will be based on the work completed and accepted as of the last day of the approved pay period.

All invoices must show the purchase order number on the invoice and any other subsequent paperwork as required as part of this contract.

Invoices shall be submitted to:

North Carolina Department of Transportation  
Kevin Sexton, Deputy Division Traffic Engineer  
11 Old Charlotte Hwy  
Asheville, NC 28803

**PROJECT SPECIAL PROVISIONS****ROADWAY****MOBILIZATION:**

(02-02-22)

SPD

**Description**

Work deployments for this contract will be in the form of mobilizations on an as needed basis; therefore, each mobilization will have its own date of availability and required completion date. Notification of a mobilization will be made via telephone, letter, or e-mail and will include the location of the work and the approximate quantities required. Location refers to either a specific intersection, a project including multiple intersections within one mile proximity, or other specific sites. If the time period between notification of a project and the required completion of a previous project overlaps, the projects will be completed concurrently with the specified time for completion allowed for each individual project.

**Measurement and Payment****(A) Normal Mobilization**

A Normal Mobilization has a completion date of **twenty** business days after receipt of the normal mobilization's notification.

*Normal Mobilization* shall be incidental to other bid items. No separate payment will be made for a Normal Mobilization. Equipment and labor shall be incidental to all line items except those described as "Emergency Mobilization".

The liquidated damages for a Normal Mobilization are **One Thousand One Hundred Dollars (\$1,100.00)** per calendar day beyond the twenty-day completion deadline.

**(B) High Priority Mobilization**

Circumstances may occur that require the Contractor to provide an expedited response to an Engineer's request. Upon notification of a High Priority Mobilization, the Contractor shall begin work the next business day after notification of the High Priority Mobilization as directed by the Engineer.

Work on a High Priority Mobilization shall begin no later than the **beginning of the next business day** after receipt of the High Priority Mobilization notification, with work continuing daily until the High Priority Mobilization is completed (not to exceed **twenty** business days).

*High Priority Mobilization* will be paid at the contract unit price per each high priority mobilization notification in addition to the other contract line items. Equipment and labor shall be incidental to all line items except those described as "Emergency Mobilization".

The liquidated damages for a High Priority Mobilization are **One Thousand One Hundred Dollars (\$1,100.00)** per calendar day beyond the required High Priority Mobilization start date in addition to **One Thousand One Hundred Dollars (\$1,100.00)** per calendar day beyond the twenty day completion deadline.

### **(C) Emergency Mobilization**

Emergency circumstances may occur that require the Contractor to provide an immediate response to supply labor and/or equipment on an emergency basis at the Engineer's request. Upon notification of an Emergency Mobilization, the Contractor will have a maximum of **TWO HOURS** to mobilize and be on site with whatever equipment and/or personnel that was requested by the Engineer.

Work on an Emergency Mobilization shall begin no later than **One Hundred Twenty Minutes (Two Hours)** after receipt of the Emergency Mobilization notification and work must be continuous until the condition causing the emergency is corrected or stabilized and accepted by the Engineer.

*Furnish and Operate Line Truck on an Emergency Mobilization* will be paid for as the actual number of hours the Contractor's personnel with equipment is actively engaged in performing the necessary work on an Emergency Mobilization in addition to other line items in the contract as requested by the Engineer or their delegates within the timeframe stated above.

*Furnish and Operate Bucket Truck on an Emergency Mobilization* will be paid for as the actual number of hours the Contractor's personnel with equipment is actively engaged in performing the necessary work on an Emergency Mobilization in addition to other line items in the contract as requested by the Engineer or their delegates within the timeframe stated above.

*Technician Labor on an Emergency Mobilization* will be paid for as the actual number of hours the Contractor's personnel is actively engaged in performing the necessary work on an Emergency Mobilization in addition to other line items in the contract as requested by the Engineer or their delegates within the timeframe stated above.

*Technician Helper on an Emergency Mobilization* will be paid for as the actual number of hours the Contractor's personnel is actively engaged in performing the necessary work on an Emergency Mobilization in addition to other line items in the contract as requested by the Engineer or their delegates within the timeframe stated above.

***A two hour minimum payment will be made to the Contractor for Equipment and/or Labor line items on an Emergency Mobilization as requested by the Engineer.***

The liquidated damages for an Emergency Mobilization are **One Thousand One Hundred Dollars (\$1,100.00)** per hour beyond the required Two Hour Emergency Mobilization response time.

Payment will be made under:

| <b>Pay Item</b>   | <b>Pay Unit</b> |
|---|-----------------|
| High Priority Mobilization                                    | Each            |
| Furnish and Operate Line Truck on an Emergency Mobilization   | Hour            |
| Furnish and Operate Bucket Truck on an Emergency Mobilization | Hour            |
| Technician Labor on an Emergency Mobilization                 | Hour            |
| Technician Helper on an Emergency Mobilization                | Hour            |

**STATE-FURNISHED MATERIALS:**

(02-02-22)

SPD

**Description**

Unless otherwise specified in the line items of this contract, the North Carolina Department of Transportation shall furnish all materials except general hardware items (nuts, bolts, screws, nails, electrical tape, connectors, form boards, lubricant, water proofing material, etc.) that are necessary to successfully construct the project. All material shall be made available and presented to the Contractor during a one-time visit (per project) to the Division 13 Traffic Services Building. The Contractor will sign for required material. The Contractor shall give a 24-hour notice prior to arriving for material pick-up.

**CONTRACTOR-FURNISHED MATERIALS:**

(02-02-22)

SPD

**Description**

Furnish all materials necessary to successfully construct this project unless otherwise specified in the Special Provisions.

**Materials**

Refer to Division 10.

The color of the materials shall be powder coated "Black" where applicable when specified by the Engineer.

**Construction Methods**

All material furnished by the Contractor shall be new unless otherwise required by the Engineer or their delegates. At the request of the Engineer, the Contractor shall provide catalog cuts and/or specifications for any material the Contractor furnishes. The Contractor will bid an amount of markup on the material used as a way of covering the cost of maintaining an inventory of the required parts and fixtures.

**Measurement and Payment**

*\$1.00 Worth of Material (Cost + 15% per \$1.00)* will be measured and paid for as each \$1.00 value of material cost plus 15% markup percentage. Such price and payment will be full compensation for all materials and equipment necessary to complete the work. The dollar amount for \$1.00 worth of material is predetermined by the Department for bidding purposes and **shall not be altered** on the bid form.

Payment will be made under:

**Pay Item**

\$1.00 Worth of Material (Cost + 15% per \$1.00)

**Pay Unit**

\$304,750.00 Dollars

**ELECTRICAL CODES AND INSPECTION:**

(02-02-22)

SPD

All Contractor-supplied electrical materials and all electrical work performed on the project shall meet the latest requirements of the current **National Electric Code (NEC)**, the current **National Electrical Safety Code (NESC)**, the **2018 NCDOT Standard Specifications**, and all applicable local ordinances. The current edition of these specifications and publications in effect on the date of advertisement will apply. The Contractor shall comply with the Traffic Signal Plans; all prior referenced specifications, and all applicable local ordinances and regulations prior to beginning and during all stages of electrical work. **The Contractor shall obtain all permits and licenses required by state and local governmental agencies having jurisdiction over the same. The Contractor will be responsible for payment of any and all permits and/or inspection fees charged by any agency requiring it**

**INSPECTION:**

(02-02-22)

SPD

All work shall be subject to inspection by the Engineer at any time. Routinely, the Engineer will make periodic inspections of the completed work. It will be the responsibility of the Contractor to keep the Engineer informed of his proposed work plan and to submit written reports of work accomplished on a frequency to be determined by the Engineer.

**OBSERVATION PERIOD:**

(02-02-22)

SPD

All work performed by the Contractor will be subject to inspection by the NCDOT before final payment is made. Invoices for work performed are to be submitted to the Engineer.

**If upon inspection the NCDOT finds any problem or inconsistency with the plans or specifications, the Contractor shall begin to make necessary repairs or corrections within two (2) hours of notification.** The Contractor shall furnish the Engineer with a quick method of contacting him for emergency repairs. Should the Contractor fail to make necessary repairs to the signal installation within the given time established, the State or its agent will make repairs and shall be reimbursed by the Contractor for all labor, tools, and materials necessary to correct the failure. Such reimbursements shall be deducted from the money due the Contractor.

The observation period and corresponding guarantee of all equipment, material, and workmanship will be enforced in accordance with Section 1098 of the *2018 NCDOT Standard Specifications*. During the observation and guarantee period, any part of the installation failing to meet requirements contained in this contract shall be replaced at no expense to NCDOT within fourteen (14) calendar days following notification by the Engineer. Once replaced or repaired, the observation period will be reset and will begin again after inspection and acceptance by the Engineer.

**SUPERVISION BY CONTRACTOR:**

(02-02-22)

SPD

At all times during the life of the project the Contractor shall provide one permanent employee who shall have the authority and capability for overall responsibility of the project and who shall be personally available at the work site within 24 hours' notice. Such employee shall be fully authorized to conduct all business with the subcontractors, to negotiate and execute all supplemental agreements, and to execute the orders or directions of the Engineer.

At all times that work is actually being performed, the Contractor shall have present on the project one competent individual who is authorized to act in a supervisory capacity over all work on the project, including work subcontracted. The individual who has been so authorized shall be experienced in the type of work being performed and shall be fully capable of managing, directing, and coordinating the work; of reading and thoroughly understanding the contract; and receiving and carrying out directions from the Engineer or his authorized representatives. He shall be an employee of the Contractor unless otherwise approved by the Engineer.

The Contractor may, at his option, designate one employee to meet the requirements of both positions. However, whenever the designated employee is absent from the work site, an authorized individual qualified to act in a supervisory capacity on the project shall be present.

**UTILITY CONFLICTS:**

(02-02-22)

SPD

It shall be the responsibility of the Contractor to contact all affected utility owners and determine the precise locations of all utilities prior to beginning construction. Utility owners shall be contacted a minimum of 48 hours prior to the commencement of operations. Special care shall be used in working around or near existing utilities, protecting them when necessary to provide uninterrupted service. In the event that any utility service is interrupted, the Contractor shall notify the utility owner immediately and shall cooperate with the owner, or his representative, in the restoration of service in the shortest time possible. Existing fire hydrants shall be kept accessible to fire departments at all times. The NCDOT Traffic Services Department shall be notified 48 hours prior to any trenching operations to ensure that underground signal equipment is located properly. The Contractor shall adhere to all applicable regulations and follow accepted safety procedures when working in the vicinity of utilities in order to ensure the safety of construction personnel and the public.



**LABOR AND EQUIPMENT:**

(02-02-22)

SPD

**Description**

Furnish labor and equipment as directed by the Engineer.

**Measurement and Payment**

*Technician (Electrician) with Vehicle* will be paid for as actual number of hours the Contractor's personnel with equipment is actively engaged in performing the necessary work at the job site.

*Helper* will be paid as the actual number of hours the Contractor's personnel is actively engaged in performing the necessary work at the job site.

*(Note: Time will start when the Contractor arrives at the job site and stop when the Contractor leaves the job site.)*

Personnel and/or equipment that are determined by the Engineer to be excessive or unnecessary to the job being done will not be paid. The Contractor is expected to exercise reasonable judgement in the performance of the work covered by this contract. The Contractor will not be paid for equipment that is not used on the job.

Payment will be made under:

**Pay Item**

Technician (Electrician) with Vehicle

Helper

**Pay Unit**

Hour

Hour

**SITE CLEANUP:**

(02-02-22)

SPD

At the end of the workday, the Contractor shall be responsible for leaving a work area that has been disturbed as it was found, or as near to original condition as possible. The Contractor shall clean the site of spoil piles, waste packing material, wire, and all other debris resulting from the signal work or project at hand. All trash should be hauled to an approved public landfill. **LITTERING OF ANY KIND WILL NOT BE PERMITTED.**

**SEEDING AND MULCHING:**

(02-02-22)

SPD

If trenching or other work has disturbed the grass, then the entire area that was damaged must be graded and prepared for seeding, seeded, and/or mulched. Rake smooth the top 1 1/2 inches and seed with same type of grass as surrounding area. Finish areas flush with surrounding natural ground.

No direct payment will be made for seeding and mulching. This work is considered incidental to other items in the contract.

**SIGNAL EQUIPMENT REMOVAL:**

(02-02-22)

1700

SPD

Revise the *2018 Standard Specifications* as follows:

**Page 17-5, Article 1700-4 MEASUREMENT AND PAYMENT**, line 19-21, replace with the following:

There will be no direct payment for work covered in this section except for the items listed within this specification. Payment at the contract unit prices for the various items in the contract will be full compensation for all work covered by this section.

**Page 17-5, Article 1700-4 MEASUREMENT AND PAYMENT**, add the following after line 21:

*Remove Traffic Signal Cabinet* will be measured and paid for as the actual number of each traffic signal cabinet removed. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work. Payment will not be based on the size of the traffic signal cabinet.

*Remove and Dispose of Cabinet Foundation* will be measured and paid for as the actual number of each cabinet foundation removed and proper disposal of same. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work. Payment will not be based on the size of the cabinet foundation.

*Remove and Dispose of Signal Cable* will be measured and paid for as the actual number of each signal cable removed and proper disposal of same. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work. Payment will not be based on the size or length of the signal cable.

*Remove Traffic Signal Head* will be measured and paid for as the actual number of each traffic signal head removed. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

**Page 17-5, Article 1700-4 MEASUREMENT AND PAYMENT**, add the following after line 29:

Payment will be made under:

| <b>Pay Item</b>                          | <b>Pay Unit</b> |
|--|-----------------|
| Remove Traffic Signal Cabinet            | Each            |
| Remove and Dispose of Cabinet Foundation | Each            |
| Remove and Dispose of Signal Cable       | Each            |
| Remove Traffic Signal Head               | Each            |

**SIGNAL HEADS:**

(02-02-22)

1705

SPD

Revise the *2018 Standard Specifications* as follows:

**Page 17-5, Article 1705-1 DESCRIPTION**, line 33-36, replace with the following:

Install vehicle and pedestrian LED signal heads, visors, interconnecting brackets, wire entrance fittings, mounting assemblies, signal cable, lashing wire, pedestrian pushbuttons (and associated lead-in cable), pedestrian signal signs, grounding systems and all necessary hardware.

**Page 17-5, Article 1705-2 MATERIAL**, line 38-39, replace with the following:

Materials to be supplied by NCDOT.

**Page 17-8, Article 1705-4 MEASUREMENT AND PAYMENT**, line 11-12, replace with the following:

*Louver* will be measured and paid as the actual number of signal sections for which louvers have been installed and accepted.

**Page 17-8, Article 1705-4 MEASUREMENT AND PAYMENT**, add the following after line 18:

*Install Vehicle Signal Head (Single and Multiple Section)* will be measured and paid as the actual number of signal heads of each type of material (aluminum or polycarbonate), size and number of sections installed and accepted.

*Install Vehicle Signal Head with Multiple Optically-Programmed Sections* will be measured and paid as the actual number of each signal head containing a single optically-programmed section or multiple optically-programmed sections.

*Install Pedestal Mounted Signal Head* will be measured and paid as the actual number of signal heads of each type of material (aluminum or polycarbonate), size and number of sections installed on pedestal and accepted.

*Install Pedestal Pole with Pedestrian Signal Head* will be measured and paid as the actual number of pedestal poles with pedestrian signal heads of each type of material (aluminum or polycarbonate), size and number of sections installed and accepted.

*Install Pedestrian Signal Head on Pole* will be measured and paid as the actual number of pedestrian signal heads of each type of material (aluminum or polycarbonate), size and number of sections installed on a pole and accepted.

**Page 17-8, Article 1705-4 MEASUREMENT AND PAYMENT**, add the following to the list on line 24:

| <b>Pay Item</b>   | <b>Pay Unit</b> |
|---|-----------------|
| Louver  | Each            |
| Install Vehicle Signal Head (Single and Multiple Head Section)          | Each            |
| Install Vehicle Signal Head with Multiple Optically-Programmed Sections | Each            |
| Install Pedestal Mounted Signal Head                                    | Each            |
| Install Pedestal Pole with Pedestrian Signal Head                       | Each            |
| Install Pedestrian Signal Head on Pole                                  | Each            |

**MESSENGER CABLE:**

(02-02-22)

1710

SPD

Revise the *2018 Standard Specifications* as follows:

**Page 17-9, Article 1710-1 DESCRIPTION**, line 13-14, replace with the following:

Install messenger cable (spanwire) with cable clamps, machine bolts, eye bolts, 3-bolt clamps, eye nuts, split-bolt connectors, and all necessary hardware.

**Page 17-9, Article 1710-2 MATERIAL**, line 17-18, replace with the following:

Materials to be supplied by NCDOT.

**Page 17-10, Article 1710-4 MEASUREMENT AND PAYMENT**, line 30-35, replace with the following:

*Install Messenger Cable* will be measured and paid as actual horizontal linear feet of messenger cable installed and accepted. Measurement will be point to point with no allowance for sag.

No measurement will be made of cable clamps, machine bolts, eye bolts, 3-bolt assemblies, eye nuts, split-bolt connectors and pole grounding systems as they will be incidental to installing messenger cable.

**Page 17-10, Article 1710-4 MEASUREMENT AND PAYMENT**, line 36, replace with the following:

| <b>Pay Item</b>         | <b>Pay Unit</b> |
|-------------------------|-----------------|
| Install Messenger Cable | Linear Foot     |

**UNDERGROUND CABLE INSTALLATION:**

(02-02-22)

1715

SPD

Revise the *2018 Standard Specifications* as follows:

**Page 17-15, Article 1715-4 MEASUREMENT AND PAYMENT**, add the following after line 37:

*Furnish and Install 2" PVC Conduit (Unpaved Trenching)* will be measured and paid as the actual number of linear feet of conduit furnished, installed and accepted. Measurement will be along the approximate centerline of the conduit system.

*Furnish and Install 2" Rigid Metallic Conduit (Unpaved Trenching)* will be measured and paid as the actual number of linear feet of conduit furnished, installed and accepted. Measurement will be along the approximate centerline of the conduit system.

*Furnish and Install 2" PVC Conduit (Paved Trenching)* will be measured and paid as the actual number of linear feet of conduit furnished, installed and accepted. Measurement will be along the approximate centerline of the conduit system.

*Furnish and Install 2" Rigid Metallic (Paved Trenching)* will be measured and paid as the actual number of linear feet of conduit furnished, installed and accepted. Measurement will be along the approximate centerline of the conduit system.

*Directional Boring with 2" HDPE Conduit* will be measured and paid as the actual number of linear feet of conduit furnished, installed and accepted. Measurement will be along the approximate centerline of the conduit system.

**Page 17-15, Article 1715-4 MEASUREMENT AND PAYMENT**, lines 42-44, replace with the following:

Conduit will be paid per linear foot based on quantity and size of conduits where (qty)(size) are in the item description. As examples, an installation of a single 1.25 inch HDPE conduit would be paid as:

Directional Drill (1)(1.25") Linear Foot, and

**Page 17-16, Article 1715-4 MEASUREMENT AND PAYMENT**, add the following to line 1:

| <b>Pay Item</b>   | <b>Pay Unit</b> |
|---|-----------------|
| Furnish and Install 2" PVC Conduit (Unpaved Trenching)            | Linear Foot     |
| Furnish and Install 2" Rigid Metallic Conduit (Unpaved Trenching) | Linear Foot     |
| Furnish and Install 2" PVC Conduit (Paved Trenching)              | Linear Foot     |
| Furnish and Install 2" Rigid Metallic Conduit (Paved Trenching)   | Linear Foot     |
| Directional Boring with 2" HDPE Conduit                           | Linear Foot     |

**CLASS 3 WOOD POLES:**

(02-02-22)

SPD

**Description**

Furnish wood poles that are Class 3 or better. The poles shall be a minimum of 35, 40, or 45 feet in length as directed by the Engineer.

**Materials**

Refer to Division 10.

The wood poles shall be treated southern pine or treated Douglas Fir that meets the requirements of ANSI 05.1. The poles shall be marked in accordance with ANSI 05.1. The poles shall have a full-length preservative treatment.

Provide poles with pentachlorophenol or chromated copper arsenate (CCA) preservative in accordance with AWWA Standard C4-99. Ensure the retention of preservative is a minimum of 0.45 lbs per cubic foot (7.2 kg per cubic meter) for pentachlorophenol and 0.6 lbs per cubic foot (9.6 kg per cubic meter) for CCA.

**Construction Methods**

The Engineer shall approve the pole location prior to installation; however, this shall not release the Contractor from any liability incurred by failure to properly locate/avoid underground utilities.

All poles shall be grounded in accordance with the 2018 NCDOT Standard Specifications. This shall include, but not limited to, a #6 ground wire installed prior to installation.

The Contractor shall be required to keep a sufficient stock of 35-, 40-, and 45-foot poles to be used on an as needed or emergency basis. This number may vary but shall be a minimum of ten (10) 35-foot, five (5) 40-foot, and five (5) 45-foot poles.

**Measurement and Payment**

*Class 3 Wood Pole \_\_\_ Ft.* will be measured and paid for as the actual number of each wood pole furnished and accepted. Such price and payment will be full compensation for all materials and equipment necessary to complete the work.

Payment will be made under:

| <b>Pay Item</b>          | <b>Pay Unit</b> |
|--------------------------|-----------------|
| Class 3 Wood Pole 35 Ft. | Each            |
| Class 3 Wood Pole 40 Ft. | Each            |
| Class 3 Wood Pole 45 Ft. | Each            |

**ANCHOR AND GUY ASSEMBLIES:**

(02-02-22)

SPD

**Description**

Furnish and install anchor and guy assemblies as necessary to guy wood poles as requested by the Engineer or designated representative.

**Materials**

Refer to Division 10.

Furnish material, equipment and hardware that are pre-approved on the ITS and Signals QPL.

**Construction Methods**

Install 8-inch, 8-way anchors with 5/8 inch diameter, 6 foot anchor rod assemblies as necessary to guy wood poles.

**Measurement and Payment**

*Furnish and Install Anchor & Rod Assembly* will be measured and paid for as the actual number of each anchor and rod assembly furnished, installed, and accepted. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

*Furnish and Install Normal Guy Assembly* will be measured and paid for as the actual number of each normal guy assembly furnished, installed, and accepted. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

*Furnish and Install Sidewalk Guy Assembly* will be measured and paid for as the actual number of each sidewalk guy assembly furnished, installed, and accepted. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

| <b>Pay Item</b>                           | <b>Pay Unit</b> |
|---|-----------------|
| Furnish and Install Anchor & Rod Assembly | Each            |
| Furnish and Install Normal Guy Assembly   | Each            |
| Furnish and Install Sidewalk Guy Assembly | Each            |

**CONTROLLERS WITH CABINETS:**

(02-02-22)

1751

SPD

Revise the *2018 Standard Specifications* as follows:

**Page 17-38, Article 1751-1 DESCRIPTION**, line 4-8, replace with the following:

Install controllers with cabinets and all necessary hardware. Installation to include, but not limited to, all pole or foundation mounting hardware, detector sensor cards, external electrical service disconnects, one Corbin Number 2 cabinet key, one police panel key, conflict monitors or malfunction management units, surge protection, grounding systems, AC/DC isolator cards and all necessary hardware.

**Page 17-38, Article 1751-2 MATERIAL**, line 10-11, replace with the following:

Materials to be supplied by NCDOT.

**Page 17-39, Article 1751-4 MEASUREMENT AND PAYMENT**, add the following after line 23:

*Install Controllers with Cabinet (Base Mounted)* will be measured and paid as the actual number of each base mounted controller with cabinet installed and accepted.

*Install Controllers with Cabinet (Pole Mounted)* will be measured and paid as the actual number of each pole mounted controller with cabinet installed and accepted.

*Install Pole Mounted Flasher Cabinet* will be measured and paid as the actual number of each pole mounted flasher cabinet installed and accepted.

**Page 17-39, Article 1751-4 MEASUREMENT AND PAYMENT**, line 24-26, replace with the following:

No measurement will be made of conflict monitors, malfunction management units, external electrical service disconnect, grounding systems, modems, meter bases and workshop as these will be incidental to installing controllers with cabinets.

**Page 17-39, Article 1751-4 MEASUREMENT AND PAYMENT**, add the following to line 27:

| <b>Pay Item</b>                                 | <b>Pay Unit</b> |
|---|-----------------|
| Install Controllers with Cabinet (Base Mounted) | Each            |
| Install Controllers with Cabinet (Pole Mounted) | Each            |
| Install Pole Mounted Flasher Cabinet            | Each            |

**STRAP WIRES TO EXISTING SPAN:**

(02-02-22)

SPD

**Description**

The Contractor shall strap any new or existing wiring to the existing span.

**Materials**

Refer to Division 10.

**Construction Methods**

All existing flat ribbon (strapping) shall be removed, and new flat ribbon installed. The strapping shall be in accordance with the 2018 NCDOT Roadway Standard Drawings.



**Measurement and Payment**

*Strap Wires to Existing Span* will be measured and paid for as the actual number of linear feet of strapping furnished, installed, and accepted. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

| <b>Pay Item</b>              | <b>Pay Unit</b> |
|------------------------------|-----------------|
| Strap Wires to Existing Span | Linear Feet     |

**ADJUST EXISTING SPAN:**

(02-02-22)

SPD

**Description**

The Contractor shall adjust the existing messenger cable (spanwire) to remove sag.

**Materials**

Refer to Division 10.

**Construction Methods**

Tension messenger cable to eliminate appreciable sag and to match sag of surrounding utilities.

**Measurement and Payment**

*Adjust Existing Span* will be measured and paid for as the actual number of each cable adjusted and accepted. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

| <b>Pay Item</b>      | <b>Pay Unit</b> |
|----------------------|-----------------|
| Adjust Existing Span | Each            |

**INSTALL METER SERVICE & INSTALL METER SERVICE AND DISCONNECT:**

(02-02-22)

SPD

**Description**

The Contractor shall furnish and install meter service as directed by the Engineer.

**Materials**

Refer to Division 10.

**Construction Methods**

The meter service shall be installed and shall be grounded as specified in Sections 1700.01 and 1700.02 of the 2018 NCDOT Standard Specifications, the current edition of the National Electric Code (NEC), the current edition of the National Electrical Safety Code (NECS), and all applicable local laws, codes, and regulations.

**Measurement and Payment**

*Furnish & Install Meter Service (New Install)* will be measured and paid for as the actual number of each meter service furnished, installed, and accepted. Such price and payment will be full compensation for all labor, materials [including but not limited to conduit, weatherhead, wire, grounding electrodes, meter base (100 amp), disconnect (70 amp) with a single pole 120v/50 amp breaker installed], tools, equipment, and incidentals necessary to complete the work.

*Furnish & Install Meter Service and Disconnect to Existing Service (Upgrade)* will be measured and paid for as the actual number of each meter service furnished, installed and/or disconnected, and accepted. Such price and payment will be full compensation for all labor, materials [including but not limited to conduit, weatherhead, wire, grounding electrodes, meter base (100 amp), disconnect (70 amp) with a single pole 120v/50 amp breaker installed], tools, equipment, and incidentals necessary to complete the work.

Any fees for inspection or permits shall be the responsibility of the Contractor and considered incidental for the completion of this work.

Payment will be made under:

| <b>Pay Item</b>  | <b>Pay Unit</b> |
|--|-----------------|
| Furnish & Install Meter Service (New Install)                                | Each            |
| Furnish & Install Meter Service and Disconnect to Existing Service (Upgrade) | Each            |

**LEAD-IN CABLE:**

(02-02-22)

SPD

**Description**

Installation of loop detector lead-in wire in existing conduit or in an overhead span.

**Materials**

Refer to Division 10.

| <b>Item</b>               | <b>Section</b> |
|---------------------------|----------------|
| Lashing Wire and Hardware | 1098-6         |
| Lead-In Cable             | 1098-6         |
| Wrapping Tape             | 1098-6         |

Lead-in cable is to be supplied by the NCDOT.

### **Construction Methods**

Where lead-in wire is to be installed underground, it is to be placed in existing conduit to the intersection support pole.

Where lead-in wire is to be placed overhead, it is to be installed to the nearest intersection support pole.

All lead-in cable shall be installed in accordance with this contract, traffic signal plans, and the *2018 NCDOT Standard Specifications*.

### **Measurement and Payment**

*Install Lead-In Underground (in existing conduit)* will be measured and paid for as the actual number of linear feet of lead-in wire installed in existing conduit (including pull boxes and splicing or termination of the same wire) and accepted to the intersection support pole. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

*Install Lead-In Overhead* will be measured and paid for as the actual number of linear feet of lead-in cable installed and accepted to the nearest intersection support pole. Such price and payment will be full compensation for all labor, materials (including, but not limited to, any strapping with aluminum flat ribbon and any connection to the poles including spanwire), tools, equipment, and incidentals necessary to complete the work.

From the intersection pole to the cabinet can be strapped with other signal cable and shall be considered incidental.

Payment will be made under:

| <b>Pay Item</b>                                   | <b>Pay Unit</b> |
|---|-----------------|
| Install Lead-In Underground (in existing conduit) | Linear Feet     |
| Install Lead-In Overhead                          | Linear Feet     |

### **FOUNDATIONS AND ANCHOR ROD ASSEMBLIES FOR METAL POLES:**

(1-17-12) (Rev. 1-16-18)

9, 14, 17

SP9 R05

### **Description**

Foundations for metal poles include foundations for signals, cameras, overhead and dynamic message signs (DMS) and high mount and light standards supported by metal poles or upright trusses. Foundations consist of footings with pedestals and drilled piers with or without grade beams or wings. Anchor rod assemblies consist of anchor rods (also called anchor bolts) with nuts and washers on the exposed ends of rods and nuts and a plate or washers on the other ends of rods embedded in the foundation.

Construct concrete foundations with the required resistances and dimensions and install anchor rod assemblies in accordance with the contract and accepted submittals. Construct drilled piers consisting of cast-in-place reinforced concrete cylindrical sections in excavated holes. Provide temporary casings or polymer slurry as needed to stabilize drilled pier excavations. Use a prequalified Drilled Pier Contractor to construct drilled piers for metal poles. Define “excavation” and “hole” as a drilled pier excavation and “pier” as a drilled pier.

This provision does not apply to foundations for signal pedestals; see Section 1743 of the *2018 Standard Specifications* and 2018 Roadway Standard Drawing No. 1743.01.

### **Materials**

Refer to the *2018 Standard Specifications*.

| <b>Item</b>              | <b>Section</b> |
|--------------------------|----------------|
| Conduit                  | 1091-3         |
| Grout, Type 2            | 1003           |
| Polymer Slurry           | 411-2(B)(2)    |
| Portland Cement Concrete | 1000           |
| Reinforcing Steel        | 1070           |
| Rollers and Chairs       | 411-2(C)       |
| Temporary Casings        | 411-2(A)       |

Provide Type 3 material certifications in accordance with Article 106-3 of the *2018 Standard Specifications* for conduit, rollers, chairs and anchor rod assemblies. Store steel materials 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 foundation and anchor rod assembly materials so materials are kept clean and free of damage. Bent, damaged or defective materials will be rejected.

Use conduit type in accordance with the contract. Use Class A concrete for footings and pedestals, Class Drilled Pier concrete for drilled piers and Class AA concrete for grade beams and wings including portions of drilled piers above bottom of wings elevations. Corrugated temporary casings may be accepted at the discretion of the Engineer. A list of approved polymer slurry products is available from:

[connect.ncdot.gov/resources/Geological/Pages/Products.aspx](http://connect.ncdot.gov/resources/Geological/Pages/Products.aspx)

Provide anchor rod assemblies in accordance with the contract consisting of the following:

- (A) Straight anchor rods,
- (B) Heavy hex top and leveling nuts and flat washers on exposed ends of rods, and
- (C) Nuts and either flat plates or washers on the other ends of anchor rods embedded in foundations.

Do not use lock washers. Use steel anchor rods, nuts and washers that meet ASTM F1554 for Grade 55 rods and Grade A nuts. Use steel plates and washers embedded in concrete with a thickness of at least 1/4". Galvanize anchor rods and exposed nuts and washers in accordance with Article 1076-4 of the *2018 Standard Specifications*. It is not necessary to galvanize nuts, plates and washers embedded in concrete.

### **Construction Methods**

Install the required size and number of conduits in foundations in accordance with the plans and accepted submittals. Construct top of piers, footings, pedestals, grade beams and wings flat, level and within 1" of elevations shown in the plans or approved by the Engineer. Provide an Ordinary Surface finish in accordance with Subarticle 825-6(B) of the *2018 Standard Specifications* for portions of foundations exposed above finished grade. Do not remove anchor bolt templates or pedestal or grade beam forms or erect metal poles or upright trusses onto foundations until concrete attains a compressive strength of at least 3,000 psi.

#### **(A) Drilled Piers**

Before starting drilled pier construction, hold a predrill meeting to discuss the installation, monitoring and inspection of the drilled piers. Schedule this meeting after the Drilled Pier Contractor has mobilized to the site. The Resident or Division Traffic Engineer, Contractor and Drilled Pier Contractor Superintendent will attend this predrill meeting.

Do not excavate holes, install piles or allow equipment wheel loads or vibrations within 20 ft of completed piers until 16 hours after Drilled Pier concrete reaches initial set.

Check for correct drilled pier alignment and location before beginning drilling. Check plumbness of holes frequently during drilling.

Construct drilled piers with the minimum required diameters shown in the plans. Install piers with tip elevations no higher than shown in the plans or approved by the Engineer.

Excavate holes with equipment of the sizes required to construct drilled piers. Depending on the subsurface conditions encountered, drilling through rock and boulders may be required. Do not use blasting for drilled pier excavations.

Contain and dispose of drilling spoils and waste concrete as directed and in accordance with Section 802 of the *2018 Standard Specifications*. Drilling spoils consist of all materials and fluids removed from excavations.

If unstable, caving or sloughing materials are anticipated or encountered, stabilize holes with temporary casings and/or polymer slurry. Do not use telescoping temporary casings. If it becomes necessary to replace a temporary casing during drilling, backfill the excavation, insert a larger casing around the casing to be replaced or stabilize the excavation with polymer slurry before removing the temporary casing.

If temporary casings become stuck or the Contractor proposes leaving casings in place, temporary casings should be installed against undisturbed material. Unless otherwise approved, do not leave temporary casings in place for mast arm poles and cantilever signs. The Engineer will determine if casings may remain in place. If the Contractor proposes leaving temporary casings in place, do not begin drilling until a casing installation method is approved.

Use polymer slurry and additives to stabilize holes in accordance with the slurry manufacturer's recommendations. Provide mixing water and equipment suitable for polymer slurry. Maintain the required slurry properties at all times except for sand content.

Define a "sample set" as slurry samples collected from mid-height and within 2 ft of the bottom of holes. Take sample sets from excavations to test polymer slurry immediately after filling holes with slurry, at least every 4 hours thereafter and immediately before placing concrete. Do not place Drilled Pier concrete until both slurry samples from an excavation meet the required polymer slurry properties. If any slurry test results do not meet the requirements, the Engineer may suspend drilling until both samples from a sample set meet the required polymer slurry properties.

Remove soft and loose material from bottom of holes using augers to the satisfaction of the Engineer. Assemble rebar cages and place cages and Drilled Pier concrete in accordance with Subarticle 411-4(E) of the *2018 Standard Specifications* except for the following:

- (1) Inspections for tip resistance and bottom cleanliness are not required,
- (2) Temporary casings may remain in place if approved, and
- (3) Concrete placement may be paused near the top of pier elevations for anchor rod assembly installation and conduit placement or
- (4) If applicable, concrete placement may be stopped at bottom of grade beam or wings elevations for grade beam or wing construction.

If wet placement of concrete is anticipated or encountered, do not place Drilled Pier concrete until a concrete placement procedure is approved. If applicable, temporary casings and fluids may be removed when concrete placement is paused or stopped in accordance with the exceptions above provided holes are stable. Remove contaminated concrete from exposed Drilled Pier concrete after removing casings and fluids. If holes are unstable, do not remove temporary casings until a procedure for placing anchor rod assemblies and conduit or constructing grade beams or wings is approved.

Use collars to extend drilled piers above finished grade. Remove collars after Drilled Pier concrete sets and round top edges of piers.

If drilled piers are questionable, pile integrity testing (PIT) and further investigation may be required in accordance with Article 411-5 of the *2018 Standard Specifications*. A drilled pier will be considered defective in accordance with Subarticle 411-5(D) of the *2018 Standard Specifications* and drilled pier acceptance is based in part on the criteria in

Article 411-6 of the *2018 Standard Specifications* except for the top of pier tolerances in Subarticle 411-6(C) of the *2018 Standard Specifications*.

If a drilled pier is under further investigation, do not grout core holes, backfill around the pier or perform any work on the drilled pier until the Engineer accepts the pier. If the drilled pier is accepted, dewater and grout core holes and backfill around the pier with approved material to finished grade. If the Engineer determines a pier is unacceptable, remediation is required in accordance with Article 411-6 of the *2018 Standard Specifications*. No extension of completion date or time will be allowed for remediation of unacceptable drilled piers or post repair testing.

Permanently embed a plate in or mark top of piers with the pier diameter and depth, size and number of vertical reinforcing bars and the minimum compressive strength of the concrete mix at 28 days.

(B) Footings, Pedestals, Grade Beams and Wings

Excavate as necessary for footings, grade beams and wings in accordance with the plans, accepted submittals and Section 410 of the *2018 Standard Specifications*. If unstable, caving or sloughing materials are anticipated or encountered, shore foundation excavations as needed with an approved method. Notify the Engineer when foundation excavation is complete. Do not place concrete or reinforcing steel until excavation dimensions and foundation material are approved.

Construct cast-in-place reinforced concrete footings, pedestals, grade beams and wings with the dimensions shown in the plans and in accordance with Section 825 of the *2018 Standard Specifications*. Use forms to construct portions of pedestals and grade beams protruding above finished grade. Provide a chamfer with a 3/4" horizontal width for pedestal and grade beam edges exposed above finished grade. Place concrete against undisturbed soil or backfill and fill in accordance with Article 410-8 of the *2018 Standard Specifications*. Proper compaction around footings and wings is critical for foundations to resist uplift and torsion forces.

(C) Anchor Rod Assemblies

Size anchor rods for design and the required projection above top of foundations. Determine required anchor rod projections from nut, washer and base plate thicknesses, the protrusion of 3 to 5 anchor rod threads above top nuts after tightening and the distance of one nut thickness between top of foundations and bottom of leveling nuts.

Protect anchor rod threads from damage during storage and installation of anchor rod assemblies. Before placing anchor rods in foundations, turn nuts onto and off rods past leveling nut locations. Turn nuts with the effort of one workman using an ordinary wrench without a cheater bar. Report any thread damage to the Engineer that requires extra effort to turn nuts.

Arrange anchor rods symmetrically about center of base plate locations as shown in the plans. Set anchor rod elevations based on required projections above top of foundations. Securely brace and hold rods in the correct position, orientation and alignment with a steel template. Do not weld to reinforcing steel, temporary casings or anchor rods.

Install top and leveling (bottom) nuts, washers and the base plate for each anchor rod assembly in accordance with the following procedure:

- (1) Turn leveling nuts onto anchor rods to a distance of one nut thickness between the top of foundation and bottom of leveling nuts. Place washers over anchor rods on top of leveling nuts.
- (2) Determine if nuts are level using a flat rigid template on top of washers. If necessary, lower leveling nuts to level the template in all directions or if applicable, lower nuts to tilt the template so the metal pole or upright truss will lean as shown in the plans. If leveling nuts and washers are not in full contact with the template, replace washers with galvanized beveled washers.
- (3) Verify the distance between the foundation and leveling nuts is no more than one nut thickness.
- (4) Place base plate with metal pole or upright truss over anchor rods on top of washers. High mount luminaires may be attached before erecting metal poles but do not attach cables, mast arms or trusses to metal poles or upright trusses at this time.
- (5) Place washers over anchor rods on top of base plate. Lubricate top nut bearing surfaces and exposed anchor rod threads above washers with beeswax, paraffin or other approved lubricant.
- (6) Turn top nuts onto anchor rods. If nuts are not in full contact with washers or washers are not in full contact with the base plate, replace washers with galvanized beveled washers.
- (7) Tighten top nuts to snug-tight with the full effort of one workman using a 12" wrench. Do not tighten any nut all at once. Turn top nuts in increments. Follow a star pattern cycling through each nut at least twice.
- (8) Repeat (7) for leveling nuts.
- (9) Replace washers above and below the base plate with galvanized beveled washers if the slope of any base plate face exceeds 1:20 (5%), any washer is not in firm contact with the base plate or any nut is not in firm contact with a washer. If any washers are replaced, repeat (7) and (8).



- (10) With top and leveling nuts snug-tight, mark each top nut on a corner at the intersection of 2 flats and a corresponding reference mark on the base plate. Mark top nuts and base plate with ink or paint that is not water-soluble. Use the turn-of-nut method for pretensioning. Do not pretension any nut all at once. Turn top nuts in increments for a total turn that meets the following nut rotation requirements:

| <b>NUT ROTATION REQUIREMENTS<br/>(Turn-of-Nut Pretensioning Method)</b> |                    |
|---|--------------------|
| <b>Anchor Rod Diameter, inch</b>  | <b>Requirement</b> |
| $\leq 1 \frac{1}{2}$  | 1/3 turn (2 flats) |
| $> 1 \frac{1}{2}$   | 1/6 turn (1 flat)  |

Follow a star pattern cycling through each top nut at least twice.

- (11) Ensure nuts, washers and base plate are in firm contact with each other for each anchor rod. Cables, mast arms and trusses may now be attached to metal poles and upright trusses.
- (12) Between 4 and 14 days after pretensioning top nuts, use a torque wrench calibrated within the last 12 months to check nuts in the presence of the Engineer. Completely erect mast arm poles and cantilever signs and attach any hardware before checking top nuts for these structures. Check that top nuts meet the following torque requirements:

| <b>TORQUE REQUIREMENTS</b>       |                           |
|----------------------------------|---------------------------|
| <b>Anchor Rod Diameter, inch</b> | <b>Requirement, ft-lb</b> |
| 7/8                              | 180                       |
| 1                                | 270                       |
| 1 1/8                            | 380                       |
| 1 1/4                            | 420                       |
| $\geq 1 \frac{1}{2}$             | 600                       |

If necessary, retighten top nuts in the presence of the Engineer with a calibrated torque wrench to within  $\pm 10$  ft-lb of the required torque. Do not overtighten top nuts.

- (13) Do not grout under base plate.

### **Measurement and Payment**

Foundations and anchor rod assemblies for metal poles and upright trusses will be measured and paid for elsewhere in the contract.

No payment will be made for temporary casings that remain in drilled pier excavations. No payment will be made for PIT. No payment will be made for further investigation of defective piers. Further investigation of piers that are not defective will be paid as extra work in accordance with Article 104-7 of the *2018 Standard Specifications*. No payment will be made for remediation of unacceptable drilled piers or post repair testing.

**METAL STRAIN POLES:**

(02-02-22)

SPD

**Description**

Furnish various sizes of Metal Strain Poles including all required hardware in accordance with the current NCDOT Traffic Signal Standard Metal Pole Drawings.

**Materials**

Refer to Division 10.

The color of all Metal Poles shall be powder coated “**BLACK**” unless otherwise specified at the time of order.

**Construction Methods**

The Contractor will be responsible for supplying and storage of various length metal poles throughout the duration of the contract.

The Contractor shall supply the department with shop drawings and foundation design drawings specific to each proposed location. The Contractor shall not proceed with the installation of the metal strain pole until a soil test has been conducted and the shop drawings and foundation designs have been approved by the Transportation Safety and Mobility Section. A mobilization will then be given by the department to begin construction.

On occasion, the Contractor may be required to remove and dispose of a metal pole for various reasons, including emergency.

**Measurement and Payment**

*Powder Coated Metal Strain Pole \_\_ Foot (Cost + 5% per \$1.00)* will be measured and paid for per dollar of cost to plus 5% for each metal strain pole furnished and accepted. Such price and payment will be full compensation for all materials and equipment necessary to complete the work. The dollar amount for each length of metal strain pole is predetermined by the Department for bidding purposes and **shall not be altered** on the bid form.

*Remove Metal Pole* will be measured and paid for as the actual number of each metal strain pole removed and disposed in a scheduled or in an emergency situation. This shall include, but not limited to, removal of a damaged metal pole and disposal of the same. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Upon completion of this contract, any remaining poles that have not been used on a job will be purchased by the NCDOT. These poles and any other equipment supplied by the contractor must meet all NCDOT specifications.

Payment will be made under:

| <b>Pay Item</b>  | <b>Pay Unit</b>     |
|--|---------------------|
| Powder Coated Metal Strain Pole 26 Ft (Cost + 5% per \$1.00) | \$12,075.00 Dollars |
| Powder Coated Metal Strain Pole 30 Ft (Cost + 5% per \$1.00) | \$16,590.00 Dollars |
| Powder Coated Metal Strain Pole 35 Ft (Cost + 5% per \$1.00) | \$23,100.00 Dollars |
| Remove Metal Pole  | Each                |

**METAL POLE WITH MAST ARMS:**

(02-02-22)

SPD

**Description**

Furnish Metal Poles with Mast Arms of various lengths, (up to but not to exceed approximately 50 feet in length) as required by the Engineer, traffic signal plans, or other notification approved by the Engineer.

**Materials**

Refer to Division 10.

The color of all Metal Poles with Mast arms shall be powder coated “**BLACK**” unless otherwise specified at the time of order.

**Construction Methods**

The Contractor will be responsible for supplying and storage of various length metal poles with mast arms throughout the duration of the contract.

The Contractor shall provide metal poles with mast arms that meet current NCDOT and AASHTO specifications.

The Contractor shall supply the department with shop drawings and foundation design drawings specific to each proposed location. The Contractor shall not proceed with the installation of the metal strain pole until a soil test has been conducted and the shop drawings and foundation designs have been approved by the Transportation Safety and Mobility Section. A mobilization will then be given by the department to begin construction.

**Measurement and Payment**

*Powder Coated \_\_\_\_\_ Mast Arm Pole (Cost + 5% per \$1.00)* will be measured and paid for per dollar of cost plus 5% for each mast arm pole furnished and accepted. Such price and payment will be full compensation for all materials and equipment necessary to complete the work. The dollar amount for each length of mast arm pole is predetermined by the Department for bidding purposes and **shall not be altered** on the bid form.

The Contractor may be asked to supply Metal Poles with Mast Arms that are different colors. Any additional costs will be determined at the time the request is made and compensation will be determined on a case-by-case basis.

Payment will be made under:

**Pay Item**

Powder Coated Single Mast Arm Pole (Cost + 5% per \$1.00)

Powder Coated Double Mast Arm Pole (Cost + 5% per \$1.00)

**Pay Unit**

\$80,325.00 Dollars

\$110,250.00 Dollars

**METAL POLE FOUNDATION:**

(02-02-22)

SPD

**Description**

Furnish and install foundation for metal poles.

**Materials**

Refer to Division 10.

**Construction Methods**

The Contractor shall provide the foundation for metal poles as required by the signal plans, at the Engineer's request, by the manufacturer's specifications, the "N" Blows and foundation design, and/or by the current NCDOT and AASHTO Specifications. This shall include all soil removal, rock removal, and installation of steel cage and concrete that meets current NCDOT Specifications.

Perform a soil test at each proposed metal pole location. Complete all required fill placement and excavation at each pole location to finished grade before drilling each boring. Soil tests performed that are not in compliance with this requirement may be rejected and will not be paid. Drill one boring to a depth of 26 feet within a 25-foot radius of each proposed foundation.

Rock boring and removal shall be done in accordance with Section 410 of the *2018 NCDOT Standard Specifications*.

The Contractor may be required to remove an existing concrete foundation prior to installation of new foundation, or a location as directed by the Engineer.

**Measurement and Payment**

*Soil Excavation for Pole Foundation (Auger Hole)* will be measured and paid for as the actual number of cubic yards removed and accepted. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

*Soil Test for Metal Pole Foundation* will be measured and paid for as the actual number soil tests performed at each metal pole location as directed by the Engineer. Such price and payment will

be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

*Rock Excavation for Pole Foundation* will be measured and paid for as the actual number of cubic yards of rock removed in accordance with Section 410-10 of the *2018 NCDOT Standard Specifications* and approved by the Engineer. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

*Steel Reinforced Pier Grade Concrete Foundation* will be measured and paid for as the actual number of cubic yards furnished, installed, and accepted. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

*Concrete Foundation Removal* will be measured and paid for as the actual number of cubic yards removed and accepted. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work. No additional payment for back filling of the hole as it shall be considered incidental to “Concrete Foundation Removal”.

Payment will be made under:

| <b>Pay Item</b>                                  | <b>Pay Unit</b> |
|--|-----------------|
| Soil Excavation for Pole Foundation (Auger Hole) | Cubic Yard      |
| Soil Test for Metal Pole Foundation              | Each            |
| Rock Excavation for Pole Foundation              | Cubic Yard      |
| Steel Reinforced Pier Grade Concrete Foundation  | Cubic Yard      |
| Concrete Foundation Removal                      | Cubic Yard      |

**WOOD POLE REMOVAL:**

(02-02-22)

SPD

**Description**

Remove wood poles of various lengths (35, 40, or 45 feet) as directed by the Engineer.

**Materials**

Refer to Division 10.

**Construction Methods**

The Contractor shall remove the specified wood pole, backfill the hole, and restore the ground surface to a like-new condition. The removed pole shall become the property of the Contractor unless otherwise directed by the Engineer.

If directed by the Engineer or their representative, the Contractor may be requested to remove the wood pole, backfill the hole, restore the ground surface to a like-new condition, and transport the pole to a specified location.

**Measurement and Payment**

*Remove Wood Pole* will be measured and paid for as the actual number of each pole that has removed and disposed. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

*Remove and Transport Pole to a Specified Location* will be measured and paid for as the actual number of poles satisfactorily removed and transported to a designated NCDOT storage facility.

Payment will be made under:

**Pay Item**

Remove Wood Pole

Remove and Transport Pole to a Specified Location

**Pay Unit**

Each

Each

**POLE/POST INSTALLATION:**

(02-02-22)

SPD

**Description**

Install various sizes of Contractor or NCDOT supplied Wood Poles, Metal Strain Poles, Metal Poles with Mast Arm(s), and Sign Posts as required by the Engineer.

**Construction Methods**

The Engineer shall approve all pole location prior to installation; however, this shall not release the Contractor from any liability incurred by failure to properly locate/avoid underground utilities.

All poles shall be grounded in accordance with the *2018 NCDOT Standard Specifications*. This shall include, but not limited to, a #6 ground wire installed prior to installation.

**Measurement and Payment**

*Install Class 3 Wood Pole* will be measured and paid for as each wood pole installed and accepted. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

*Install Metal Strain Pole* will be measured and paid for as each metal strain pole installed and accepted. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

*Install Metal Pole with \_\_\_\_\_ Mast Arm(s)* will be measured and paid for as each metal pole with mast arm(s) installed and accepted. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

*Install Sign Post* will be measured and paid for as the actual number of each sign post installed and accepted. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

| <b>Pay Item</b>                          | <b>Pay Unit</b> |
|--|-----------------|
| Install Class 3 Wood Pole                | Each            |
| Install Metal Strain Pole                | Each            |
| Install Metal Pole with Single Mast Arm  | Each            |
| Install Metal Pole with Double Mast Arms | Each            |
| Install Sign Post                        | Each            |

**TRANSPORT POLES AND POSTS:**

(02-02-22)

SPD

**Description**

Transport NCDOT furnished pole/post of various sizes, shapes, or lengths, grounding systems, and all necessary hardware needed for installation.

**Construction Methods**

Transport NCDOT furnished wood pole(s), metal strain poles, metal poles with mast arm(s), sign posts, grounding systems, and all necessary hardware from specified storage facility to work site as directed by the Engineer.

Sign post(s) required to be transported shall not exceed 8" x 8" x 20 feet.

**Measurement and Payment**

No separate payment will be made for transporting contractor furnished poles/posts.

*Transport Wood Pole* will be measured and paid for as the actual number of each wood pole transported from the specified location to the work site. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work

*Transport Metal Strain Pole* will be measured and paid for as each metal strain pole transported from the specified location to the work site. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

*Transport Metal Pole with Mast Arm(s)* will be measured and paid for as each metal pole with mast arm(s) transported from the specified location to the work site. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

*Transport Sign Post* will be measured and paid for as the actual number of each sign post transported from the specified location to the work site. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

| <b>Pay Item</b>                     | <b>Pay Unit</b> |
|-------------------------------------|-----------------|
| Transport Wood Pole                 | Each            |
| Transport Metal Strain Pole         | Each            |
| Transport Metal Pole w/ Mast Arm(s) | Each            |
| Transport Sign Post                 | Each            |

**EXCAVATE ROCK FOR WOOD POLE INSTALLATION:**

(02-02-22)

SPD

**Description**

The Contractor may encounter solid rock while boring for a pole installation and may be required to remove the rock in order to obtain the required hole dimensions.

**Materials**

Refer to Division 10.

**Construction Methods**

When encountering solid rock while boring for a pole installation, the Contractor shall discontinue boring and notify the Engineer. Every effort will be made by the Engineer to provide a suitable alternate location for this installation. If no alternate location is available, the Contractor will be required to remove an adequate amount of rock in order to obtain the required hole dimensions necessary for pole installation.

Rock boring and removal shall be done in accordance with Section 410 of the *2018 NCDOT Standard Specifications*.



**Measurement and Payment**

*Excavate Rock for Wood Pole Installation* will be measured and paid for as the actual number of cubic yards of rock removed in accordance with Section 410-10 of the *2018 Standard Specifications* and approved by the Engineer. Such price and payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work.

No direct payment shall be made for soil removal as it is considered incidental to the pole installation.

Payment will be made under:

**Pay Item**

Excavate Rock for Wood Pole Installation

**Pay Unit**

Cubic Yard

**PORTLAND CEMENT CONCRETE PRODUCTION AND DELIVERY:**

(9-15-20)

1000, 1014, 1024

SP10 R01

Revise the 2018 Standard Specifications as follows:

**Page 10-6, Table 1000-1, REQUIREMENTS FOR CONCRETE**, replace with the following:

| Class of Concrete             | Min. Compressive Strength at 28 days<br><i>psi</i> | Maximum Water-Cement Ratio |                   |                            |                   | Consistency Maximum Slump                          |                             | Cement Content       |                      |                      |                      |
|-------------------------------|--|----------------------------|-------------------|----------------------------|-------------------|--|-----------------------------|----------------------|----------------------|----------------------|----------------------|
|                               |  | Air-Entrained Concrete     |                   | Non-Air-Entrained Concrete |                   | Vibrated<br><i>inch</i>                            | Non-Vibrated<br><i>inch</i> | Vibrated             |                      | Non-Vibrated         |                      |
|                               |  | Rounded Aggregate          | Angular Aggregate | Rounded Aggregate          | Angular Aggregate |  |                             | Min.<br><i>lb/cy</i> | Max.<br><i>lb/cy</i> | Min.<br><i>lb/cy</i> | Max.<br><i>lb/cy</i> |
|                               |  | Units                      |                   |                            |                   |  |                             |                      |                      |                      |                      |
| AA                            | 4500   | 0.381                      | 0.426             | ---                        | ---               | 3.5 <sup>A</sup>                                   | ---                         | 639                  | 715                  | ---                  | ---                  |
| AA Slip Form                  | 4500   | 0.381                      | 0.426             | ---                        | ---               | 1.5  | ---                         | 639                  | 715                  | ---                  | ---                  |
| Drilled Pier                  | 4500   | ---                        | ---               | 0.450                      | 0.450             | ---  | 5 - 7 dry<br>7 - 9 wet      | ---                  | ---                  | 640                  | 800                  |
| A                             | 3000   | 0.488                      | 0.532             | 0.550                      | 0.594             | 3.5 <sup>A</sup>                                   | 4.0                         | 564                  | ---                  | 602                  | ---                  |
| B                             | 2500   | 0.488                      | 0.567             | 0.559                      | 0.630             | 1.5 machine placed<br>2.5 <sup>A</sup> hand placed | 4.0                         | 508                  | ---                  | 545                  | ---                  |
| Sand Light-weight             | 4500   | ---                        | 0.420             | ---                        | ---               | 4.0 <sup>A</sup>                                   | ---                         | 715                  | ---                  | ---                  | ---                  |
| Latex Modified                | 3000 (at 7 days)                                   | 0.400                      | 0.400             | ---                        | ---               | 6.0  | ---                         | 658                  | ---                  | ---                  | ---                  |
| Flowable Fill excavatable     | 150 max. (at 56 days)                              | as needed                  | as needed         | as needed                  | as needed         | ---  | Flowable                    | ---                  | ---                  | 40                   | 100                  |
| Flowable Fill non-excavatable | 125  | as needed                  | as needed         | as needed                  | as needed         | ---  | Flowable                    | ---                  | ---                  | 100                  | as needed            |
| Pavement                      | 4500 Design, field<br>650 flexural, design only    | 0.559                      | 0.559             | ---                        | ---               | 1.5 slip form<br>3.0 hand placed                   | ---                         | 526                  | ---                  | ---                  | ---                  |
| Precast                       | See Table 1077-1                                   | as needed                  | as needed         | ---                        | ---               | 6.0  | as needed                   | as needed            | as needed            | as needed            | as needed            |
| Prestressed                   | per contract                                       | See Table 1078-1           | See Table 1078-1  | ---                        | ---               | 8.0  | ---                         | 564                  | as needed            | ---                  | ---                  |

- A.** The slump may be increased to 6 inches, provided the increase in slump is achieved by adding a chemical admixture conforming to Section 1024-3. In no case shall the water-cement ratio on the approved design be exceeded. Concrete exhibiting segregation and/or excessive bleeding will be rejected. Utilizing an Admixture to modify slump does not relinquish the contractor's responsibility to ensure the final product quality and overall configuration meets design specifications. Caution should be taken when placing these modified mixes on steep grades to prevent unintended changes to the set slope.

**MATERIALS FOR PORTLAND CEMENT CONCRETE:**

(9-15-20)

1000, 1024

SP10 R24

Revise the *2018 Standard Specifications* as follows:

**Page 10-52, Article 1024-4, WATER, lines 3-6,** delete and replace with the following:

Test water from wells at all locations. Test public water supplies from all out of state locations and in the following counties: Beaufort, Bertie, Brunswick, Camden, Carteret, Chowan, Craven, Currituck, Dare, Gates, Hyde, New Hanover, Onslow, Pamlico, Pasquotank, Pender, Perquimans, Tyrell and Washington unless the Engineer waives the testing requirements.

**Page 10-52, Table 1024-2, PHYSICAL PROPERTIES OF WATER,** replace with the following:

| <b>Property</b>  | <b>Requirement</b>                      | <b>Test Method</b> |
|--|---|--------------------|
| Compression Strength, minimum percent of control at 3 and 7 days | 90%                                     | ASTM C1602         |
| Time of set, deviation from control                              | From 1:00 hr. earlier to 1:30 hr. later | ASTM C1602         |
| pH   | 4.5 to 8.5                              | ASTM D1293 *       |
| Chloride Ion Content, Max.                                       | 250 ppm                                 | ASTM D512 *        |
| Total Solids Content (Residue), Max.                             | 1,000 ppm                               | SM 2540B *         |
| Resistivity, Min.  | 0.500 kohm-cm                           | ASTM D1125 *       |

\*Denotes an alternate method is acceptable. Test method used shall be referenced in the test report.

**WORK ZONE INSTALLER:**

(7-20-21)

1101, 1150

SP11 R04

Provide the service of at least one qualified work zone installer during the setup, installation, and removal of temporary traffic control within the highway right of way. The qualified work zone installer shall serve as crew leader and shall be on site and directing the installation and removal of temporary traffic control. If multiple temporary traffic control installations or removals are

occurring simultaneously, then each shall have a qualified work zone installer.

The work zone installer shall be qualified by an NCDOT approved training agency in the safe and competent set up of temporary traffic control. For a complete listing of approved training agencies, see the Work Zone Safety Training webpage.

A work zone supervisor, in accordance with Article 1101-13 of the *Standard Specifications*, may fulfill the role of the work zone installer during the setup, installation, and removal of temporary traffic control within the highway right of way provided they are on site and directing the installation and removal of temporary traffic control.

All other individuals participating in the setup, installation, and removal of temporary traffic control within the highway right of way shall be certified as a qualified flagger in accordance with Article 1150-3 of the *Standard Specifications*, even if flagging is not being performed as part of the traffic control.

Provide the name and contact information of all qualified work zone installers to the Engineer prior to or at the preconstruction conference. Additionally, provide a qualification statement that all other individuals participating in the setup, installation, and removal of temporary traffic control are qualified flaggers that have been properly trained through an NCDOT approved training agency.

**STANDARD SPECIAL PROVISION**  
**AVAILABILITY OF FUNDS – TERMINATION OF CONTRACTS**

(5-20-08)

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 *2018 Standard Specifications*.

**STANDARD SPECIAL PROVISION**

**ERRATA**

(10-16-18) (Rev.2-16-21)

Z-4

Revise the *2018 Standard Specifications* as follows:

**Division 6**

**Page 6-7, Article 609-1 DESCRIPTION, line 29,** replace article number “609-10” with “609-9”.

**Division 7**

**Page 7-27, Article 725-1 MEASUREMENT AND PAYMENT, line 4,** replace article number “725-1” with “724-4”.

**Page 7-28, Article 725-1 MEASUREMENT AND PAYMENT, line 10,** replace article number “725-1” with “725-3”.

**Division 10**

**Page 10-78, Article 1056-4 GEOTEXTILES, TABLE 1056-1, Permittivity, Type 2,** replace “Table 6<sup>D</sup>” with “Table 7<sup>D</sup>” and **Permittivity, Type 3<sup>B</sup>,** replace “Table 7<sup>D</sup>” with “Table 8<sup>D</sup>”.

**Page 10-121, Article 1076-7, REPAIR OF GALVANIZING, line 8,** replace article number “1080-9” with “1080-7”.

**Page 10-162, Article 1080-50 PAINT FOR VERTICAL MARKERS, line 1,** replace article number “1080-50” with “1080-10”.

**Page 10-162, Article 1080-61 EPOXY RESIN FOR REINFORCING STEEL, line 5,** replace article number “1080-61” with “1080-11”.

**Page 10-162, Article 1080-72 ABRASIVE MATERIALS FOR BLAST CLEANING STEEL, line 22,** replace article number “1080-72” with “1080-12”.

**Page 10-163, Article 1080-83 FIELD PERFORMANCE AND SERVICES, line 25,** replace article number “1080-83” with “1080-13”.

**Division 17**

**Page 17-15, Article 1715-4 MEASUREMENT AND PAYMENT, lines 42-44,** replace the second sentence with the following:

An example is an installation of a single 1.25 inch HDPE conduit would be paid as:

Directional Drill (1)(1.25”) Linear Foot

**STANDARD SPECIAL PROVISION****PLANT AND PEST QUARANTINES****(Imported Fire Ant, Gypsy Moth, Witchweed, Emerald Ash Borer, Guava Root Knot  
Nematode, And Other Noxious Weeds)**

(3-18-03) (Rev. 5-21-19)

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/plantindustry/Plant/quaran/table2.htm> 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 to present a hazard of spreading imported fire ant, gypsy moth, witchweed, emerald ash borer, guava root knot nematode, or other noxious weeds.

**STANDARD SPECIAL PROVISION**

**MINIMUM WAGES**

(7-21-09)

Z-5

**FEDERAL:** The Fair Labor Standards Act provides that with certain exceptions every employer shall pay wages at the rate of not less than SEVEN DOLLARS AND TWENTY FIVE CENTS (\$7.25) per hour.

**STATE:** The North Carolina Minimum Wage Act provides that every employer shall pay to each of his employees, wages at a rate of not less than SEVEN DOLLARS AND TWENTY FIVE CENTS (\$7.25) per hour.

The minimum wage paid to all skilled labor employed on this contract shall be SEVEN DOLLARS AND TWENTY FIVE CENTS (\$7.25) per hour.

The minimum wage paid to all intermediate labor employed on this contract shall be SEVEN DOLLARS AND TWENTY FIVE CENTS (\$7.25) per hour.

The minimum wage paid to all unskilled labor on this contract shall be SEVEN DOLLARS AND TWENTY FIVE CENTS (\$7.25) per hour.

This determination of the intent of the application of this act to the contract on this project is the responsibility of the Contractor.

The Contractor shall have no claim against the Department of Transportation for any changes in the minimum wage laws, Federal or State. It is the responsibility of the Contractor to keep fully informed of all Federal and State Laws affecting his contract.



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

(6-28-77)(Rev 6/19/2018)

Z-6

Revise the *2018 Standard Specifications* as follows:

Replace Article 103-4(B) with the following:

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.  | Women and Men  | 1973 Federal-Aid Highway Act; 49 U.S.C. 5332(b); 49 U.S.C. 47123.  |

|  |  |  |   |
|--|--|--|---|
|  | <i>Note:</i> Sex under this program does not include sexual orientation.   |  |   |
| Age  | Persons of any age   | 21-year-old person   | Age Discrimination Act of 1975<br>49 U.S.C. 5332(b);<br>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;<br>Americans with Disabilities Act of 1990   |
| Religion (in the context of employment)<br><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. <i>Note:</i> 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;<br>23 CFR 230;<br>FHWA-1273 Required Contract Provisions.<br><i>(49 U.S.C. 5332(b);<br/>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, Non-discrimination 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****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.

**WORK ZONE TRAFFIC CONTROL GENERAL REQUIREMENTS****TEMPORARY TRAFFIC CONTROL (TTC):**

Maintain traffic in accordance with Divisions 10, 11 and 12 of the *2018 Standard Specifications* and the following provisions:

Install Work Zone Advance Warning Signs in accordance with the detail drawing provided in these plans prior to beginning any other work. Use a lane closure or slow moving operation to complete the work, as necessary, unless otherwise indicated. Refer to Standard Drawing No. 1101.02, 1101.11, 1110.01, 1110.02, 1130.01 1135.01 and 1180.01 of the *2018 Roadway Standard Drawings*. Use a moving operation only if the minimum speed maintained at all times is 3 mph with no stops that narrow or close a lane of travel. If the moving operation is progressing slower than 3 mph at any time, install a lane closure. Maintain the existing traffic pattern at all times, except in the immediate work zone where lane closures are allowed as determined by the Engineer.

Refer to attached details and Standard Drawing No. 1101.02, 1101.03, 1101.04, 1101.05, 1101.11, 1110.01, 1110.02, 1115.01, 1130.01, 1135.01, 1145.01, 1150.01, 1165.01, and 1180.01 of the *2018 Roadway Standard Drawings* when closing a lane of travel in a stationary work zone such as pavement patching resurfacing, or pavement marking removal. Properly ballasted cones and skinny drums may be used instead of drums. However, drums are required for the upstream taper portion of lane closures in all applications. The stationary work zone shall be a maximum of 1 mile in length at any given time on 2 Lane, 2 Way facilities unless otherwise approved by the Engineer. A pilot vehicle operation may be used in conjunction with flaggers and the appropriate pilot vehicle warning signing as directed by the Engineer. During periods of construction inactivity, return the traffic pattern to the existing alignment and remove or cover any work zone signs. When covering work zone signs, use an opaque material that prevents reading of the sign at night by a driver using high beam headlights. Use material, which does not damage the sign sheeting. Replace any obliterated markings as required by other sections of the *2018 Standard Specifications* and the Engineer.

When personnel and/or equipment are working on the shoulder adjacent to and within 5 feet of an open travel lane, close the nearest open travel lane using Standard Drawing No. 1101.02 of the *2018 Roadway Standard Drawings*. When personnel and/or equipment are working within a lane of travel of an undivided facility, close the lane according to the traffic control plans, *2018 Roadway Standard Drawings* or as directed by the Engineer. Conduct the work so that all personnel and/or equipment remain within the closed travel lane. Do not work simultaneously, on both sides of an open travel way, within the same location, on a two-lane, two-way road. Perform work only when weather and visibility conditions allow safe operations as directed by the Engineer.

When utilizing a slow-moving operation for such items as pavement marking and marker placement, the operation shall consist of the vehicles and devices as shown on Roadway Standard Drawing No. 1101.02, sheet 11 or 12 of the *2018 Roadway Standard Drawings*. Traffic cones may be used when necessary to provide additional protection of wet pavement markings. Ballast all traffic cones so they will not be blown over by traffic.

**PROJECT REQUIREMENTS:**

Failure to comply with the following requirements will result in a suspension of all other operations:

1. Before working on ANY LOCATION, the Contractor shall submit a written construction sequence for traffic control and construction lighting to the Engineer, and the sequence must be approved before closing a lane of traffic. The Contractor and Engineer will coordinate with the Traffic Management Unit at 919- 814-5000 or Traffic Services for additional traffic control guidance, as necessary.
2. Obtain written approval of the Engineer before working in more than one location or setting up additional lane closures. The maximum length of any one lane closure is 1 mile unless otherwise directed by the Engineer.
3. If Lane Closure Restrictions apply, see Special Provision, “Intermediate Contract Times and Liquidated Damages”.

**MEASUREMENT AND PAYMENT:**

No direct payment will be made for temporary traffic control. All associated costs will be considered incidental to the work being paid for under the various items in the contract.

**LISTING OF MBE/WBE SUBCONTRACTORS**

Sheet of

| Firm Name and Address      | Circle One     | Item No. | Item Description | * Agreed upon Unit Price | ** Dollar Volume of Item |
|----------------------------|----------------|----------|------------------|--------------------------|--------------------------|
| <b>Name</b><br><br>Address | MBE<br><br>WBE |          |                  |                          |                          |
| <b>Name</b><br><br>Address | MBE<br><br>WBE |          |                  |                          |                          |
| <b>Name</b><br><br>Address | MBE<br><br>WBE |          |                  |                          |                          |
| <b>Name</b><br><br>Address | MBE<br><br>WBE |          |                  |                          |                          |
| <b>Name</b><br><br>Address | MBE<br><br>WBE |          |                  |                          |                          |
| <b>Name</b><br><br>Address | MBE<br><br>WBE |          |                  |                          |                          |

\* The Dollar Volume shown in this column shall be the Actual Price Agreed Upon by the Prime Contractor and the MBE/WBE subcontractor, and these prices will be used to determine the percentage of the MBE/WBE participation in the contract.

\*\* Dollar Volume of MBE/WBE Subcontractor Percentage of Total Contract Bid Price:

*If firm is a Material Supplier Only, show Dollar Volume as 60% of Agreed Upon Amount from Letter of Intent.*

*If firm is a Manufacturer, show Dollar Volume as 100% of Agreed Upon Amount from Letter of Intent.*

**LISTING OF MBE/WBE SUBCONTRACTORS**

Sheet of

| Firm Name and Address | Circle One     | Item No. | Item Description | * Agreed upon Unit Price | ** Dollar Volume of Item |
|-----------------------|----------------|----------|------------------|--------------------------|--------------------------|
| Name<br><br>Address   | MBE<br><br>WBE |          |                  |                          |                          |
| Name<br><br>Address   | MBE<br><br>WBE |          |                  |                          |                          |
| Name<br><br>Address   | MBE<br><br>WBE |          |                  |                          |                          |
| Name<br><br>Address   | MBE<br><br>WBE |          |                  |                          |                          |
| Name<br><br>Address   | MBE<br><br>WBE |          |                  |                          |                          |

**\*\* Dollar Volume of MBE Subcontractor** \$ \_\_\_\_\_

**MBE Percentage of Total Contract Bid Price** \_\_\_\_\_%

**\*\* Dollar Volume of WBE Subcontractor** \$ \_\_\_\_\_

**WBE Percentage of Total Contract Bid Price** \_\_\_\_\_%

\*The Dollar Volume shown in this column shall be the Actual Price Agreed Upon by the Prime Contractor and the MBE/WBE subcontractor, and these prices will be used to determine the percentage of the MBE/WBE participation in the contract.

**\*\* Dollar Volume of MBE/WBE Subcontractor Percentage of Total Contract Bid Price.**

**If firm is a Material Supplier Only, show Dollar Volume as 60% of Agreed Upon Amount from Letter of Intent.**

**If firm is a Manufacturer, show Dollar Volume as 100% of Agreed Upon Amount from Letter of Intent.**



**ADDENDUM(S)**

ADDENDUM #1

I, \_\_\_\_\_  
(SIGNATURE)

representing \_\_\_\_\_

Acknowledge receipt of Addendum #1.

ADDENDUM #2

I, \_\_\_\_\_  
(SIGNATURE)

representing \_\_\_\_\_

Acknowledge receipt of Addendum #2.

ADDENDUM #3

I, \_\_\_\_\_  
(SIGNATURE)

representing \_\_\_\_\_

Acknowledge receipt of Addendum #3.

## North Carolina Department of Transportation Bid Form

Contract Number: 11990775

WBS Element: 13.1011SM, 13.1012SM, 13.1057SM, 13.1059SM, 13.1061SM, 13.1081SM, &  
13.1100SM

Description: Traffic Signal Construction Upon Request

County: Buncombe, Burke, Madison, McDowell, Mitchell, Rutherford, and Yancey

| Line No. | Sect | Description   | Qty     | Unit | Unit Price | Amount Bid   |
|----------|------|---|---------|------|------------|--------------|
| 1        | SP   | High Priority Mobilization  | 50      | EA   |            |              |
| 2        | SP   | Furnish and Operate Line Truck on Emergency Mobilization                | 80      | HR   |            |              |
| 3        | SP   | Furnish and Operate Bucket Truck on Emergency Mobilization              | 80      | HR   |            |              |
| 4        | SP   | Technician Labor on Emergency Mobilization                              | 80      | HR   |            |              |
| 5        | SP   | Technician Helper on Emergency Mobilization                             | 80      | HR   |            |              |
| 6        | SP   | \$1.00 Worth of Material (Cost + 15% per \$1.00)                        | 265,000 | DOL  | \$1.15     | \$304,750.00 |
| 7        | SP   | Technician (Electrician) With Vehicle                                   | 2,500   | HR   |            |              |
| 8        | SP   | Helper  | 2,500   | HR   |            |              |
| 9        | SP   | Remove Traffic Signal Cabinet   | 20      | EA   |            |              |
| 10       | SP   | Remove and Dispose of Cabinet Foundation                                | 10      | EA   |            |              |
| 11       | SP   | Remove and Dispose of Signal Cable                                      | 8,000   | LF   |            |              |
| 12       | SP   | Remove Traffic Signal Head  | 250     | EA   |            |              |
| 13       | SP   | Louwer  | 25      | EA   |            |              |
| 14       | SP   | Install Vehicle Signal Head (Single and Multiple Section)               | 200     | EA   |            |              |
| 15       | SP   | Install Vehicle Signal Head with Multiple Optically Programmed Sections | 200     | EA   |            |              |
| 16       | SP   | Install Pedestal Mounted Signal Head                                    | 30      | EA   |            |              |
| 17       | SP   | Install Pedestal Pole with Pedestrian Signal Head                       | 50      | EA   |            |              |
| 18       | SP   | Install Pedestrian Signal Head on Pole                                  | 50      | EA   |            |              |
| 19       | SP   | Install Messenger Cable   | 12,000  | LF   |            |              |
| 20       | SP   | Furnish and Install 2" PVC Conduit (Unpaved Trenching)                  | 12,000  | LF   |            |              |

| Line No. | Sect | Description   | Qty    | Unit | Unit Price | Amount Bid |
|----------|------|---|--------|------|------------|------------|
| 21       | SP   | Furnish And Install 2" Rigid Metallic Conduit (Unpaved Trenching) | 12,000 | LF   |            |            |
| 22       | SP   | Furnish And Install 2" PVC Conduit (Paved Trenching)              | 650    | LF   |            |            |
| 23       | SP   | Furnish And Install 2" Rigid Metallic Conduit (Paved Trenching)   | 650    | LF   |            |            |
| 24       | SP   | Directional Boring with 2" HDPE Conduit                           | 1,250  | LF   |            |            |
| 25       | 1716 | Junction Box (Standard)   | 150    | EA   |            |            |
| 26       | 1716 | Junction Box (Oversized)  | 20     | EA   |            |            |
| 27       | SP   | Class 3 Wood Pole (35 Ft)   | 60     | EA   |            |            |
| 28       | SP   | Class 3 Wood Pole (40 Ft)   | 10     | EA   |            |            |
| 29       | SP   | Class 3 Wood Pole (45 Ft)   | 5      | EA   |            |            |
| 30       | SP   | Furnish and Install Anchor and Rod Assembly                       | 150    | EA   |            |            |
| 31       | SP   | Furnish and Install Normal Guy Assembly                           | 150    | EA   |            |            |
| 32       | SP   | Furnish and Install Sidewalk Guy Assembly                         | 15     | EA   |            |            |
| 33       | 1722 | 1/2" Riser with Weatherhead                                       | 25     | EA   |            |            |
| 34       | 1722 | 1" Riser with Weatherhead   | 50     | EA   |            |            |
| 35       | 1722 | 2" Riser with Weatherhead   | 125    | EA   |            |            |
| 36       | 1725 | Inductive Loop Sawcut   | 35,000 | LF   |            |            |
| 37       | 1730 | Communications Cable (24-Fiber)                                   | 3,000  | LF   |            |            |
| 38       | 1730 | Communications Cable (60-Fiber)                                   | 3,000  | LF   |            |            |
| 39       | 1730 | Communications Cable (96-Fiber)                                   | 3,000  | LF   |            |            |
| 40       | 1730 | Drop Cable  | 10     | LF   |            |            |
| 41       | 1731 | Interconnect Center   | 10     | EA   |            |            |
| 42       | 1731 | Splice Enclosure  | 10     | EA   |            |            |
| 43       | 1731 | Modify Splice Enclosure   | 10     | EA   |            |            |
| 44       | 1732 | Fiber-Optic Transceiver - Drop and Repeat                         | 10     | EA   |            |            |
| 45       | 1732 | Fiber-Optic Transceiver - Self Healing Ring                       | 10     | EA   |            |            |
| 46       | 1733 | Delineator Marker   | 20     | EA   |            |            |
| 47       | 1734 | Remove Existing Communications Cable                              | 2,000  | LF   |            |            |
| 48       | 1735 | Cable Transfer  | 10     | EA   |            |            |
| 49       | 1743 | Type I Post with Foundation                                       | 25     | EA   |            |            |

| Line No. | Sect | Description   | Qty     | Unit | Unit Price | Amount Bid   |
|----------|------|---|---------|------|------------|--------------|
| 50       | 1743 | Type II Pedestal with Foundation  | 25      | EA   |            |              |
| 51       | 1743 | Type III Pedestal with Foundation   | 20      | EA   |            |              |
| 52       | 1745 | Sign For Signals  | 25      | EA   |            |              |
| 53       | 1747 | LED Blankout Signs  | 5       | EA   |            |              |
| 54       | 1747 | Relocate Existing Blankout Sign   | 5       | EA   |            |              |
| 55       | SP   | Install Controllers with Cabinet (Base Mounted)                             | 20      | EA   |            |              |
| 56       | SP   | Install Controllers with Cabinet (Pole Mounted)                             | 20      | EA   |            |              |
| 57       | SP   | Install Pole Mounted Flasher Cabinet  | 3       | EA   |            |              |
| 58       | SP   | Strap Wire(s) to Existing Spanwire  | 5,000   | LF   |            |              |
| 59       | SP   | Adjust Existing Span  | 50      | EA   |            |              |
| 60       | SP   | Furnish and Install Meter Service (New Install)                             | 35      | EA   |            |              |
| 61       | SP   | Furnish and Install Meter Base and Disconnect to Existing Service (Upgrade) | 10      | EA   |            |              |
| 62       | SP   | Install Lead-In Underground (In Existing Conduit)                           | 3,000   | LF   |            |              |
| 63       | SP   | Install Lead-In Overhead  | 6,000   | LF   |            |              |
| 64       | SP   | 26 FT Powder Coated Metal Strain Pole (Cost + 5% per \$1.00)                | 11,500  | DOL  | \$1.05     | \$12,075.00  |
| 65       | SP   | 30 FT Powder Coated Metal Strain Pole (Cost + 5% per \$1.00)                | 15,800  | DOL  | \$1.05     | \$16,590.00  |
| 66       | SP   | 35 FT Powder Coated Metal Strain Pole (Cost + 5% per \$1.00)                | 22,000  | DOL  | \$1.05     | \$23,100.00  |
| 67       | SP   | Remove Metal Pole   | 2       | EA   |            |              |
| 68       | SP   | Powder Coated Single Mast Arm Pole (Cost + 5% per \$1.00)                   | 76,500  | DOL  | \$1.05     | \$80,325.00  |
| 69       | SP   | Powder Coated Double Mast Arm Pole (Cost + 5% per \$1.00)                   | 105,000 | DOL  | \$1.05     | \$110,250.00 |
| 70       | SP   | Soil Excavation for Pole Foundation (Auger Hole)                            | 200     | CY   |            |              |
| 71       | SP   | Rock Excavation for Pole Foundation   | 30      | CY   |            |              |
| 72       | SP   | Steel Reinforced Pier Grade Concrete Foundation                             | 300     | CY   |            |              |
| 73       | SP   | Concrete Foundation Removal   | 30      | CY   |            |              |
| 74       | SP   | Soil Test for Metal Pole Foundation   | 60      | EA   |            |              |

| Line No. | Sect | Description                                     | Qty | Unit | Unit Price | Amount Bid |
|----------|------|---|-----|------|------------|------------|
| 75       | SP   | Remove Wood Pole                                | 150 | EA   |            |            |
| 76       | SP   | Remove and Transport Pole to Specified Location | 20  | EA   |            |            |
| 77       | SP   | Install Class 3 Wood Pole                       | 75  | EA   |            |            |
| 78       | SP   | Install Metal Strain Pole                       | 22  | EA   |            |            |
| 79       | SP   | Install Metal Pole w/ Single Mast Arm           | 10  | EA   |            |            |
| 80       | SP   | Install Metal Pole w/ Double Mast Arms          | 10  | EA   |            |            |
| 81       | SP   | Install Sign Post                               | 20  | EA   |            |            |
| 82       | SP   | Transport Wood Pole                             | 15  | EA   |            |            |
| 83       | SP   | Transport Metal Strain Pole                     | 15  | EA   |            |            |
| 84       | SP   | Transport Metal Pole w/ Mast Arm(s)             | 15  | EA   |            |            |
| 85       | SP   | Transport Sign Post                             | 20  | EA   |            |            |
| 86       | SP   | Excavate Rock for Wood Pole Installation        | 50  | CY   |            |            |

***TOTAL BID FOR PROJECT:*** \_\_\_\_\_

Contractor: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Federal Id: \_\_\_\_\_

Contractor's License Number: \_\_\_\_\_

Authorized Agent: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH, NC**

**CONTRACT PAYMENT BOND**

Date of Payment Bond Execution \_\_\_\_\_

Name of Principal Contractor \_\_\_\_\_

Name of Surety: \_\_\_\_\_

Name of Contracting Body: \_\_\_\_\_

Amount of Bond: \_\_\_\_\_

Contract ID No.: 11990775

County Name: Buncombe, Burke, Madison, McDowell, Mitchell,  
Rutherford, and Yancey Counties

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 PAYMENT BOND**

*Affix Seal of Surety Company*

\_\_\_\_\_  
Print or type Surety Company Name

By

\_\_\_\_\_  
Print, stamp or type name of Attorney-in-Fact

\_\_\_\_\_  
Signature of Attorney-in-Fact

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Print or type Signer's name

\_\_\_\_\_  
Address of Attorney-in-Fact

**CONTRACT PAYMENT BOND**

**CORPORATION**

SIGNATURE OF CONTRACTOR (Principal)

---

Full name of Corporation

---

Address as prequalified

By

---

**Signature** of President, Vice President, Assistant Vice President  
*Select appropriate title*

---

Print or type Signer's name

*Affix Corporate Seal*

Attest

---

**Signature** of Secretary, Assistant Secretary  
*Select appropriate title*

---

Print or type Signer's name



**CONTRACT PAYMENT BOND**

**LIMITED LIABILITY COMPANY**

SIGNATURE OF CONTRACTOR (Principal)

Name of Contractor

\_\_\_\_\_  
Full name of Firm

\_\_\_\_\_  
Address as prequalified

By:

\_\_\_\_\_  
**Signature** of Member, Manager, Authorized Agent  
*Select appropriate title*

\_\_\_\_\_  
Print or type Signer's name

**CONTRACT PAYMENT BOND**

**INDIVIDUAL DOING BUSINESS UNDER A FIRM NAME**

SIGNATURE OF CONTRACTOR (Principal)

Name of Contractor

\_\_\_\_\_  
Individual Name

Trading and doing business as

\_\_\_\_\_  
Full name of Firm

\_\_\_\_\_  
Address as prequalified

Signature of Contractor

\_\_\_\_\_  
Individually

\_\_\_\_\_  
Print or type Signer's name

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Print or type Signer's name

**CONTRACT PAYMENT BOND**

**INDIVIDUAL DOING BUSINESS IN HIS OWN NAME**

SIGNATURE OF CONTRACTOR (Principal)

Name of Contractor

\_\_\_\_\_  
Print or type Individual name

\_\_\_\_\_  
Address as prequalified

Signature of Contractor

\_\_\_\_\_  
Individually

\_\_\_\_\_  
Print or type Signer's name

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Print or type Signer's name

**CONTRACT PAYMENT BOND**

**PARTNERSHIP**

SIGNATURE OF CONTRACTOR (Principal)

---

Full name of Partnership

---

Address as prequalified

By

---

Signature of Partner

---

Print or type Signer's name

---

Signature of Witness

---

Print or type Signer's name

**CONTRACT PAYMENT BOND**  
**JOINT VENTURE (2) or (3)**  
SIGNATURE OF CONTRACTORS (Principal)

Instructions to Bidders: 2 Joint Ventures, Fill in lines (1), (2) and (3) and execute. 3 Joint Venturers Fill in lines (1), (2), (3), (4) and execute. On Line (1), print or type the name of Joint Venture. On line (2), print or type the name of one of the joint venturers and execute below in the appropriate manner required by Article 102-8 of the *NCDOT Standard Specifications*. On Line (3), print or type the name of second joint venturer and execute below in the appropriate manner required by said article of the Specifications. On Line (4), print or type the name of the third joint venturer, if applicable and execute below in the appropriate manner required by said article of the Specifications. This form of execution must be strictly followed.

|   |    |                                      |
|---|----|--------------------------------------|
| _____<br>Signature of Witness or Attest | By | _____<br>Signature of Contractor     |
| _____<br>Print or type Signer's name    |    | _____<br>Print or type Signer's name |

and

|   |    |                                      |
|---|----|--------------------------------------|
| _____<br>Signature of Witness or Attest | By | _____<br>Signature of Contractor     |
| _____<br>Print or type Signer's name    |    | _____<br>Print or type Signer's name |

and

|   |    |                                      |
|---|----|--------------------------------------|
| _____<br>Signature of Witness or Attest | By | _____<br>Signature of Contractor     |
| _____<br>Print or type Signer's name    |    | _____<br>Print or type Signer's name |

11990775 13.1011SM, etc.

Buncombe, Burke, Madison, McDowell,  
Mitchell, Rutherford, and Yancey Counties

**CONTRACT PAYMENT BOND**

Attach certified copy of Power of Attorney to this sheet

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH, NC**

**CONTRACT PERFORMANCE BOND**

Date of Performance Bond Execution: \_\_\_\_\_

Name of Principal Contractor: \_\_\_\_\_

Name of Surety: \_\_\_\_\_

Name of Contracting Body: \_\_\_\_\_

Amount of Bond: \_\_\_\_\_

Contract ID No.: 11990775

County Name: Buncombe, Burke, Madison, McDowell, Mitchell,  
Rutherford, and Yancey Counties

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 PERFORMANCE BOND**

*Affix Seal of Surety Company*

\_\_\_\_\_  
Print or type Surety Company Name

By

\_\_\_\_\_  
Print, stamp or type name of Attorney-in-Fact

\_\_\_\_\_  
Signature of Attorney-in-Fact

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Print or type Signer's name

\_\_\_\_\_  
Address of Attorney-in-Fact



**CONTRACT PERFORMANCE BOND**

**CORPORATION**

SIGNATURE OF CONTRACTOR (Principal)

---

Full name of Corporation

---

Address as prequalified

By

---

**Signature** of President, Vice President, Assistant Vice President  
*Select appropriate title*

---

Print or type Signer's name

*Affix Corporate Seal*

Attest

---

**Signature** of Secretary, Assistant Secretary  
*Select appropriate title*

---

Print or type Signer's name

**CONTRACT PERFORMANCE BOND**

**LIMITED LIABILITY COMPANY**

SIGNATURE OF CONTRACTOR (Principal)

Name of Contractor

---

Full name of Firm

---

Address as prequalified

By:

---

Signature of Member, Manager, Authorized Agent  
*Select appropriate title*

---

Print or type Signer's name

**CONTRACT PERFORMANCE BOND**

**INDIVIDUAL DOING BUSINESS UNDER A FIRM NAME**

SIGNATURE OF CONTRACTOR (Principal)

Name of Contractor

\_\_\_\_\_  
Individual Name

Trading and doing business as

\_\_\_\_\_  
Full name of Firm

\_\_\_\_\_  
Address as prequalified

Signature of Contractor

\_\_\_\_\_  
Individually

\_\_\_\_\_  
Print or type Signer's name

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Print or type Signer's name

**CONTRACT PERFORMANCE BOND**

**INDIVIDUAL DOING BUSINESS IN HIS OWN NAME**

SIGNATURE OF CONTRACTOR (Principal)

Name of Contractor

\_\_\_\_\_

Print or type Individual name

\_\_\_\_\_

Address as prequalified

Signature of Contractor

\_\_\_\_\_

Individually

\_\_\_\_\_

Print or type Signer's name

\_\_\_\_\_

Signature of Witness

\_\_\_\_\_

Print or type Signer's name

**CONTRACT PERFORMANCE BOND**

**PARTNERSHIP**

SIGNATURE OF CONTRACTOR (Principal)

---

Full name of Partnership

---

Address as prequalified

By

---

Signature of Partner

---

Print or type Signer's name

---

Signature of Witness

---

Print or type Signer's name

**CONTRACT PERFORMANCE BOND**  
**JOINT VENTURE (2) OR (3)**  
SIGNATURE OF CONTRACTORS (Principal)

Instructions to Bidders: 2 Joint Ventures, Fill in lines (1), (2) and (3) and execute. 3 Joint Venturers Fill in lines (1), (2), (3), (4) and execute. On Line (1), print or type the name of Joint Venture. On line (2), print or type the name of one of the joint venturers and execute below in the appropriate manner required by Article 102-8 of the *NCDOT Standard Specifications*. On Line (3), print or type the name of second joint venturer and execute below in the appropriate manner required by said article of the Specifications. On Line (4), print or type the name of the third joint venturer, if applicable and execute below in the appropriate manner required by said article of the Specifications. This form of execution must be strictly followed.

|                                |    |                             |
|--------------------------------|----|-----------------------------|
| Signature of Witness or Attest | By | Signature of Contractor     |
| Print or type Signer's name    |    | Print or type Signer's name |

and

|                                |    |                             |
|--------------------------------|----|-----------------------------|
| Signature of Witness or Attest | By | Signature of Contractor     |
| Print or type Signer's name    |    | Print or type Signer's name |

and

|                                |    |                             |
|--------------------------------|----|-----------------------------|
| Signature of Witness or Attest | By | Signature of Contractor     |
| Print or type Signer's name    |    | Print or type Signer's name |

11990775 13.1011SM, etc.

Buncombe, Burke, Madison, McDowell,  
Mitchell, Rutherford, and Yancey Counties

**CONTRACT PERFORMANCE BOND**

Attach certified copy of Power of Attorney to this sheet

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH, NC**

**BID BOND**

Contract Number:

11990775

County:

Buncombe, Burke, Madison,  
McDowell, Mitchell, Rutherford,  
and Yancey Counties

KNOW ALL MEN BY THESE PRESENTS, That we, the PRINCIPAL CONTRACTOR (hereafter, PRINCIPAL) and SURETY above named, are held and firmly bound unto the Department of Transportation in the full and just sum of five (5) percent of the total amount bid by the Principal for the project 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.

NOW, THEREFORE, the condition of this obligation is: the Principal shall not withdraw its bid within sixty (60) days after the opening of the bids, or within such other time period as may be provided in the proposal, and if the Board of Transportation shall award a contract to the Principal, the Principal shall, within fourteen (14) calendar days after written notice of award is received by him, provide bonds with good and sufficient surety, as required for the faithful performance of the contract and for the protection of all persons supplying labor, material, and equipment for the prosecution of the work. In the event the Principal requests permission to withdraw his bid due to mistake in accordance with the provisions of Article 103-3 of the *Standard Specifications for Roads and Structures*, the conditions and obligations of this Bid Bond shall remain in full force and effect until the Department of Transportation makes a final determination to either allow the bid to be withdrawn or to proceed with award of the contract. In the event a determination is made to award the contract, the Principal shall have fourteen (14) calendar days to comply with the requirements set forth above. In the event the Principal withdraws its bid after bids are opened except as provided in Article 103-3, or after award of the contract has been made fails to execute such additional documents as may be required and to provide the required bonds within the time period specified above, then the amount of the bid bond shall be immediately paid to the Department of Transportation as liquidated damages.

IN TESTIMONY WHEREOF, the Principal and Surety have caused these presents to be duly signed and sealed.

This the \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_

\_\_\_\_\_  
Surety

By \_\_\_\_\_

General Agent or Attorney-in-Fact Signature

*Seal of Surety*

\_\_\_\_\_  
Print or type Signer's Name



**BID BOND**

**CORPORATION**

SIGNATURE OF CONTRACTOR (Principal)

---

Full name of Corporation

---

Address as prequalified

By

---

Signature of President, Vice President, Assistant Vice President  
*Select appropriate title*

---

Print or type Signer's name

*Affix Corporate Seal*

Attest

---

Signature of Secretary, Assistant Secretary  
*Select appropriate title*

---

Print or type Signer's name

**BID BOND**

**LIMITED LIABILITY COMPANY**

SIGNATURE OF CONTRACTOR (Principal)

Name of Contractor

\_\_\_\_\_

Full name of Firm

\_\_\_\_\_

Address as prequalified

Signature of Member/  
Manager/Authorized Agent

\_\_\_\_\_

Individually

\_\_\_\_\_

Print or type Signer's name

**BID BOND**

**INDIVIDUAL DOING BUSINESS UNDER A FIRM NAME**

SIGNATURE OF CONTRACTOR (Principal)

Name of Contractor

\_\_\_\_\_  
Individual Name

Trading and doing business as

\_\_\_\_\_  
Full name of Firm

\_\_\_\_\_  
Address as prequalified

Signature of Contractor

\_\_\_\_\_  
Individually

\_\_\_\_\_  
Print or type Signer's name

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Print or type Signer's name

**BID BOND**

**INDIVIDUAL DOING BUSINESS IN HIS OWN NAME**

SIGNATURE OF CONTRACTOR (Principal)

Name of Contractor

\_\_\_\_\_

Print or type Individual Name

\_\_\_\_\_

Address as prequalified

Signature of Contractor

\_\_\_\_\_

Individually

\_\_\_\_\_

Print or type Signer's name

\_\_\_\_\_

Signature of Witness

\_\_\_\_\_

Print or type Signer's name

**BID BOND**

**PARTNERSHIP**

SIGNATURE OF CONTRACTOR (Principal)

---

Full name of Partnership

---

Address as prequalified

By \_\_\_\_\_  
Signature of Partner

---

Print or type Signer's name

---

Signature of Witness

---

Print or type Signer's name

**BID BOND**  
**JOINT VENTURE (2 or 3)**  
SIGNATURE OF CONTRACTORS (Principal)

Instructions to Bidders: **2 Joint Ventures**, Fill in lines (1), (2) and (3) and execute. **3 Joint Venturers** Fill in lines (1), (2), (3), (4) and execute. Line (1), print or type the name of Joint Venture. On line (2), print or type the name of one of the joint venturers and execute below in the appropriate manner required by Article 102-8 of the *Specifications*. On Line (3), print or type the name of second joint venturer and execute below in the appropriate manner required by said article of the Specifications. On Line (4), print or type the name of the third joint venturer, if applicable and execute below in the appropriate manner required by said article of the Specifications. This form of execution must be strictly followed.

|                                |    |                             |
|--------------------------------|----|-----------------------------|
| Signature of Witness or Attest | By | Signature of Contractor     |
| Print or type Signer's name    |    | Print or type Signer's name |

and

|                                |    |                             |
|--------------------------------|----|-----------------------------|
| Signature of Witness or Attest | By | Signature of Contractor     |
| Print or type Signer's name    |    | Print or type Signer's name |

and

|                                |    |                             |
|--------------------------------|----|-----------------------------|
| Signature of Witness or Attest | By | Signature of Contractor     |
| Print or type Signer's name    |    | Print or type Signer's name |

**EXECUTION OF BID**

**NON-COLLUSION, DEBARMENT AND GIFT BAN CERTIFICATION**

**CORPORATION**

The prequalified bidder being duly sworn, solemnly swears (or affirms) 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 bona fide 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.

**SIGNATURE OF PREQUALIFIED BIDDER**

\_\_\_\_\_  
Full name of Corporation

\_\_\_\_\_  
Address as Prequalified

Attest \_\_\_\_\_  
Secretary/Assistant Secretary  
*(Select appropriate title)*

By \_\_\_\_\_  
President/Vice President/Assistant Vice President  
*(Select appropriate title)*

\_\_\_\_\_  
Print or type Signer's name

\_\_\_\_\_  
Print or type Signer's name

**CORPORATE SEAL**

**NON-COLLUSION AFFIDAVIT, DEBARMENT CERTIFICATION AND GIFT BAN CERTIFICATION**

**PARTNERSHIP**

The prequalified bidder, being duly sworn, solemnly swears (or affirms) 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 its own bona fide 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.

**SIGNATURE OF PREQUALIFIED BIDDER**

---

Full Name of  
Partnership

---

Address as  
Prequalified

---

Signature of Witness

---

Signature of Partner

---

Print or Type Signer's Name

---

Print or Type Signer's Name



**NON-COLLUSION AFFIDAVIT, DEBARMENT CERTIFICATION AND GIFT BAN  
CERTIFICATION**

**LIMITED LIABILITY COMPANY**

The prequalified bidder, being duly sworn, solemnly swears (or affirms) 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 its own bona fide 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.

**SIGNATURE OF PREQUALIFIED BIDDER**

\_\_\_\_\_  
Full Name of Firm

\_\_\_\_\_  
Address as Prequalified

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Signature of Member/Manager/Authorized Agent  
(Select appropriate Title)

\_\_\_\_\_  
Print or Type Signer's Name

\_\_\_\_\_  
Print or Type Signer's Name

**NON-COLLUSION, DEBARMENT AND GIFT BAN CERTIFICATION**

**JOINT VENTURE (2) or (3)**

The prequalified bidder, being duly sworn, solemnly swears (or affirms) 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 its own bona fide 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.

**SIGNATURE OF PREQUALIFIED BIDDER**

Instructions: **2 Joint Venturers** Fill in lines (1), (2) and (3) and execute. **3 Joint Venturers** Fill in lines (1), (2), (3) and (4) and execute. On Line (1), fill in the name of the Joint Venture Company. On Line (2), fill in the name of one of the joint venturers and execute below in the appropriate manner. On Line (3), print or type the name of the other joint venturer and execute below in the appropriate manner. On Line (4), fill in the name of the third joint venturer, if applicable and execute below in the appropriate manner.

(1) \_\_\_\_\_  
Name of Joint Venture

(2) \_\_\_\_\_  
Name of Contractor

\_\_\_\_\_  
Address as Prequalified

\_\_\_\_\_  
Signature of Witness or Attest

BY

\_\_\_\_\_  
Signature of Contractor

\_\_\_\_\_  
Print or Type Signer's Name

AND

\_\_\_\_\_  
Print or Type Signer's Name

*If Corporation, affix Corporate Seal*

(3) \_\_\_\_\_  
Name of Contractor

\_\_\_\_\_  
Address as Prequalified

\_\_\_\_\_  
Signature of Witness or Attest

BY

\_\_\_\_\_  
Signature of Contractor

\_\_\_\_\_  
Print or Type Signer's Name

AND

\_\_\_\_\_  
Print or Type Signer's Name

*If Corporation, affix Corporate Seal*

(4) \_\_\_\_\_  
Name of Contractor

\_\_\_\_\_  
Address as Prequalified

\_\_\_\_\_  
Signature of Witness or Attest

BY

\_\_\_\_\_  
Signature of Contractor

\_\_\_\_\_  
Print or Type Signer's Name

AND

\_\_\_\_\_  
Print or Type Signer's Name

*If Corporation, affix Corporate Seal*

**NON-COLLUSION AFFIDAVIT, DEBARMENT CERTIFICATION AND GIFT BAN  
CERTIFICATION**

**INDIVIDUAL DOING BUSINESS UNDER A FIRM NAME**

The prequalified bidder, being duly sworn, solemnly swears (or affirms) 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 its own bona fide 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.

**SIGNATURE OF PREQUALIFIED BIDDER**

Name of Prequalified Bidder

\_\_\_\_\_

Individual Name

Trading and Doing Business As

\_\_\_\_\_

Full name of Firm

\_\_\_\_\_

Address as Prequalified

\_\_\_\_\_

Signature of Witness

\_\_\_\_\_

Signature of Prequalified Bidder, Individual

\_\_\_\_\_

Print or Type Signer's Name

\_\_\_\_\_

Print or Type Signer's Name

**NON-COLLUSION AFFIDAVIT, DEBARMENT CERTIFICATION AND GIFT BAN  
CERTIFICATION**

**INDIVIDUAL DOING BUSINESS IN HIS OWN NAME**

The prequalified bidder, being duly sworn, solemnly swears (or affirms) 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 its own bona fide 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.

**SIGNATURE OF PREQUALIFIED BIDDER**

Name of Prequalified Bidder \_\_\_\_\_  
Print or Type Name

\_\_\_\_\_  
Address as Prequalified

\_\_\_\_\_  
Signature of Prequalified Bidder, Individually

\_\_\_\_\_  
Print or type Signer's Name

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Print or type Signer's name

**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 affidavit 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.

**Execution of Contract**

**Contract No: 11990775**

**County: Buncombe, Burke, Madison, McDowell, Mitchell, Rutherford, and Yancey  
Counties**

ACCEPTED BY THE DEPARTMENT

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**Division Project Manager**

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Date