



INVITATION FOR BID

PWC2324035

RELAY CONTROL HOUSES

Date of Issue: December 20, 2023
Date of Opening: January 17, 2024
2:00 p.m.

Direct all inquiries concerning this IFB to:

Victoria McAllister
Procurement Manager
procurement@faypwc.com

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**ADVERTISEMENT FOR BID
FAYETTEVILLE PUBLIC WORKS COMMISSION
RELAY CONTROL HOUSES**

**Cumberland County
North Carolina**

Bids are solicited and will be received at Fayetteville Public Works Commission's, Administration Building, Conference Room 107, 955 Old Wilmington Road, Fayetteville, NC 28301 until **2:00 p.m., Wednesday, January 17, 2024**, for the **RELAY CONTROL HOUSES**.

Enclosed please find the Instructions to Bidders, Detailed Specifications, and Bid Pricing Form. Bids shall be submitted on the forms provided herein, or exact copies thereof, and the bidder shall return one copy of the entire bid packet along with the completed Bid Pricing Form and any other information specified in the bid documents.

Questions regarding this bid must be submitted in writing to the attention of Victoria McAllister, Procurement Manager at procurement@faypwc.com with the subject header "**IFB PWC2324035- Questions**" no later than **5:00 p.m., Tuesday, January 2, 2024**, in order to be considered for a response.

Mailed bids must be addressed to **Victoria McAllister**, Procurement Manager, Fayetteville Public Works Commission, 955 Old Wilmington Road, Fayetteville, North Carolina 28301. The outside of the envelope must be marked **BID: PWC2324035-RELAY CONTROL HOUSES** and shall indicate the name, and address of the bidder. No electronic submissions will be accepted.

Fayetteville Public Works Commission reserves the right to reject any or all bids for any reason determined by PWC to be in its best interest, or to award the bid to the lowest responsible bidder or bidders, taking into consideration quality, performance, and the time specified in the bids for the performance of the contract.

FAYETTEVILLE PUBLIC WORKS COMMISSION
Victoria McAllister
Purchasing Manager

**INSTRUCTIONS TO BIDDERS
FAYETTEVILLE PUBLIC WORKS COMMISSION
RELAY CONTROL HOUSES**

PURPOSE AND BACKGROUND

Fayetteville Public Works Commission intends to solicit bids from qualified vendors to furnish and deliver all materials and equipment (except materials and equipment specified to be furnished by the Owner) complete and conforming to the Technical Specifications for a Prefabricated Relay Control House for the Cumberland Road 69 to 15 kV Substation and P.O. Hoffer 69 to 15 x 25 kV Substation, all as set forth in the Bid Schedules.

OBJECTIVE OF THE REQUEST

It is the intent of this bid invitation to obtain pricing for **RELAY CONTROL HOUSES** within the detailed specifications section of this Invitation for Bid (IFB). You are requested to submit your bid on the enclosed Bid Pricing Form.

IFB SCHEDULE

The following table shows the schedule of events to prepare your organization’s response. The key deadlines and targeted dates for this process are as follows:

Action	Responsibility	Date/Time
Submit Written Questions	Bidders	Tuesday, January 2, 2024 by 5:00 P.M.ET
Provide Response to Questions	PWC	Tuesday, January 5, 2024 by 5:00 P.M. ET
Submit IFB	Bidders	Wednesday, January 17, 2024 by 2:00 P.M. ET
Target Commission Date	PWC	TBD
Target Council Date	PWC	TBD
Award /Sale of Goods Agreement	PWC	TBD

QUESTIONS

Written questions shall be e-mailed to procurement@faypwc.com by the date and time specified in the IFB schedule. Bidders will enter “**IFB PWC2324035– Questions**” as the subject of the email.

Questions received prior to the submission deadline date, the Procurement Manager’s response, and any additional information deemed necessary by PWC will be posted in the form of an addendum to the PWC website and shall become an Addendum to this IFB. No information, instruction, or advice provided orally or informally by any PWC personnel, whether made in response to a question or otherwise concerning this IFB, shall be considered authoritative or binding. Firms shall rely only on written material contained in an Addendum to this IFB.

Inquiries should be submitted no later than the date and time noted in the IFB schedule. Questions answered verbally will be followed up by written addenda as deemed necessary; oral interpretations shall have no effect.

MINORITY, WOMEN, AND DISADVANTAGED BUSINESS ENTERPRISE (MWDBE) PROGRAM / SMALL LOCAL SUPPLIER (SLS) PROGRAM

PWC is committed to promoting the utilization of Minority, Women, and Disadvantaged Businesses in PWC's geographical statistical area (GSA) by providing equal opportunity for participating in all aspects of PWC's contracting and procurement programs. The GSA consists of NCDOT division areas 3-8, and 10. PWC is also committed to promoting the utilization of small, local businesses in the Fayetteville Metropolitan Statistical Area (MSA) by increasing opportunities for those businesses to participate in PWC procurements. The MSA consists of Cumberland County, Hoke County, and Harnett County.

PWC requires Firms to report efforts to utilize Minority, Women, and Disadvantaged Business Enterprises (MWDBEs) and Historically Underutilized Businesses (HUBs) for specific projects and requires all Firms to report all such efforts for MWDBEs, HUBs, and Small Local Suppliers regardless of the requirements of a specific project. **Bidders shall document any good-faith efforts and utilization in the MWDBE forms provided within Attachment F.**

In accordance with PWC's MWDBE Program, the goal shall be to award four percent (4%) of the total contract dollars to MBE firms and four percent (4%) to WBE firms. A complete copy of PWC's MWDBE Program is available for inspection at PWC Procurement Department.

The following is a list of the efforts that should be made by the prime service provider to encourage MWDBE participation. In order to receive credit for having made "good faith efforts", the prime service provider should document all actions taken to include the following:

- 1) Attending pre-bid meetings scheduled by the department;
- 2) Identifying selected specific items of the project which could be executed by a MWDBE;
- 3) Soliciting MWDBE service provider participation in a reasonable time before the proposals are due through advertisements in circulation media, trade publications, and minority-focused media;
- 4) Contacting local firms, firms owned by minorities or women, and associations or business development centers which disseminate information to local businesses and businesses owned by minorities or women in a timely manner to allow sufficient time for MWDBEs to respond;
- 5) Following up on initial solicitations of interest by contacting the MWDBE to determine whether the MWDBE was interested in performing specific items of the project;
- 6) Attempting to enter into joint venture or partnership arrangements with MWDBEs and provide interested MWDBEs with information about the requirements for the project;
- 7) Providing assistance to MWDBEs in the review of proposals and work to be done by sub-service providers;
- 8) Using available directories of certified MWDBEs and other available resources;
- 9) Ensuring that the proposer negotiated in good faith with the MWDBE and did not unjustifiably

reject as unsatisfactory quotes prepared by any Minority, Women, or Disadvantaged Business Enterprise;

- 10) Making every effort to obtain Minority, Women, or Disadvantaged Business Enterprise participation that could reasonably be expected to produce a level of participation sufficient to meet the goals of PWC; and
- 11) Providing interested minority, women, and disadvantaged businesses with information relative to project requirements

REFERENCES

Bidders shall provide at least three (3) different references for which your company has supplied the exact model of equipment offered. PWC may contact these references to determine the commodity provided are substantially similar in scope to those requested in Attachment A and that the bidder’s performance has been satisfactory. The information obtained shall be considered in the evaluation of the bid. If PWC is referenced, it cannot be counted towards your three (3) required references but may be included in addition to.

COMPANY NAME	CONTACT NAME	TELEPHONE NUMBER	EMAIL
Fayetteville Public Works Commission, if applicable			

SUBMISSION INSTRUCTIONS

- 1) Bids should be complete and carefully worded and should convey all the information requested in the IFB. Bids should be prepared simply and economically, providing a straightforward, concise description of the bidder’s capabilities to satisfy the requirements of the IFB. Emphasis should be on completeness and clarity of content. If the bid includes any comment over and above the specific information requested in the IFB, the bidder should include this information as a separate appendix to its bid. Bids that include clarifications or modifications to any of the IFB’s contractual requirements, or a bidder’s standard terms and conditions, may be deemed non-responsive and not considered for award at PWC’s discretion. Unsolicited bid samples or descriptive literature will not be examined or tested, will not be used to determine responsiveness, and will not be deemed to vary any of the provisions of the IFB. Failure to comply with these requirements shall constitute sufficient cause to reject a bid without further consideration. PWC reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to award of a Sale of Goods Agreement, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders the reasons for PWC’s action.
- 2) Bids may be withdrawn by the bidder only in writing and if receipt of such withdrawal is acknowledged by PWC prior to the time for the bid submittal deadline identified in the

Advertisement for Bidders (or such later date included in an Addendum). Written withdrawal requests shall be submitted on the bidder's letterhead and signed by an official of the bidder duly authorized to make such request. Any withdrawal request made after the bid submittal deadline shall be allowed only if the price bid was based upon a mistake that constituted a substantial error, provided the bid was submitted in good faith, and then only pursuant to the terms of N.C.G.S. § 143-129.1.

- 3) Bids submitted in an envelope must have the bid title, date, and time of the bid submittal deadline on the front of the envelope no later than the bid due date and time. The sealed bid will be due at the Fayetteville Public Works Commission, Administration Building, Procurement Department, 955 Old Wilmington Road, Fayetteville, NC 28301. No electronic submissions will be accepted.
- 4) Bids will be examined promptly after the due date and an award will be made at the earliest possible date. Bids must be held firm for PWC for a period of sixty (60) days after the bid due date. A purchase order will be issued to the awarded bidder.
- 5) Bidders shall submit bids only on the Bid Pricing Forms provided herein, or exact copies thereof (**See Exhibit B – Bid Pricing Form**). Failure to provide full and complete Bid Pricing Forms may result in a bid being deemed non-responsive.
- 6) All bids must be signed by an authorized official of the bidder. Bids may be rejected for any omission, alteration of form, additions not called for, conditional bid, or any irregularities of any kind.
- 7) Do not submit alternate bids unless specifically called for on the Bid Pricing Forms.

QUANTITIES AND PRICING

- 1) Quantities listed are estimates ONLY based on historical usage. PWC does not guarantee a minimum or maximum quantity to be purchased.
- 2) All bidders are advised to include all costs incurred by the bidder in delivering the **RELAY CONTROL HOUSES** to the **following address** in their bid submittal:

CONTROL HOUSE FOR CUMBERLAND RD.

2336 Carbine Street
Fayetteville, NC 28306

CONTROL HOUSE FOR P.O. HOFFER

401 Hoffer Dr.
Fayetteville, NC 28311

The invoice submitted for payment shall not reflect any other costs (fuel surcharge, toll, etc.).

EVALUATION AND AWARD

- 1) An award of a contract is subject to the approval by the Board of Commissioners of PWC and the Fayetteville, North Carolina City Council.

- 2) PWC reserves the right to inspect, at a reasonable time, the equipment, item, plant, or other facilities of a prospective Bidder prior to award, and during the Sale of Goods Agreement term, as PWC deems necessary to determine that such equipment, item, plant, or other facilities conform with the specifications/requirements and are adequate and suitable for the proper and effective performance of the Sale of Goods Agreement.
- 3) PWC reserves the right to request additional information from bidders to aid in the evaluation process. This information may include but is not limited to, financial statements, a reference list of contracts of similar size, etc.
- 4) PWC reserves the right to make a single award for all items or may award separate contracts to multiple bidders for various items to the lowest responsive, responsible bidder or bidders, taking into consideration product quality, performance to PWC, and conformity with the specifications in these bid documents. PWC may also consider, among other things, the Bidder's past performance conduct on other contracts, and other information as PWC deems necessary to assist in the evaluation of any bid.
- 5) The Sale of Goods Agreement will be awarded for a period of **one (1) year** . The Sale of Goods Agreement may be extended for an **additional one-year** period upon the agreement of both parties.

DELIVERY AND PAYMENT

- 1) Delivery to be made F.O.B. to the following addresses:

CONTROL HOUSE FOR CUMBERLAND RD.

2336 Carbine Street
Fayetteville, NC 28306

CONTROL HOUSE FOR P.O. HOFFER

401 Hoffer Dr.
Fayetteville, NC 28311

- 2) Deliveries shall be made between the hours of **9:00 a.m. and 3:00 p.m., Monday through Friday**, within the time frame specified on the Bid Pricing Form.
- 3) Payment for equipment, material, supplies, etc. purchased pursuant to this bid shall be made by Public Works Commission approximately thirty days after the same has been delivered, inspected, approved and the invoice received in the PWC Accounts Payable Office, P.O. Box 1089, Fayetteville, North Carolina 28302.

ATTACHMENT A: TECHNICAL SPECIFICATIONS & DRAWINGS

TECHNICAL SPECIFICATIONS

**PUBLIC WORKS COMMISSION
FAYETTEVILLE, NORTH CAROLINA**

**PREFABRICATED RELAY CONTROL HOUSE FOR THE
CUMBERLAND ROAD SUBSTATION AND PO HOFFER SUBSTATION**

TECHNICAL SPECIFICATIONS

1.0 Scope

These Specifications cover the design, manufacture, delivery, and installation, in good order, for one (1) prefabricated relay control house, as specified herein, and as required for the operation of the Cumberland Road Substation and PO Hoffer Substation.

The work shall include furnishing all labor, materials, equipment, and supplies, except materials and equipment to be furnished by others, necessary for the complete fabrication of the prefabricated relay control house including all primary and secondary structural framing members, connecting bolts, covering adjustable louvers, doors, flashing, closures, sealer, insulation, house wiring for outlets, switches, ventilation, and light fixtures, electric distribution panels, and other miscellaneous items as shown or called for in the Drawings or Specifications. The building is to be used for the substation relay control house upon their completion. The building shall be completely wired and fully built when delivered. The relay panels will be drop shipped to the Bidder for installation and wiring to termination cabinet, ac and dc panels. The Bidder will unload the building and place it on the foundation. Any parts removed for shipment shall be reinstalled by the Bidder. The intent of this specification is that the Bidder deliver and install one (1) fully functional control building, minus batteries, to the Cumberland Road Substation and PO Hoffer Substation.

2.0 General

- 2.1 All materials and equipment shall be new.
- 2.2 These Specifications describe the type, size and characteristics of the various materials and equipment required to be furnished. The Drawings indicate general arrangement, equipment location and spacing.
- 2.3 Strict adherence to these general Specifications and Drawings is requested to facilitate checking and consideration of the Proposal.
- 2.4 Proposals shall include the following:
 - 2.4.1 A complete bill of materials for the building, identifying each item by catalog number, manufacturer, ratings, characteristics, types, sizes, etc., of all materials and equipment included. A simple statement that all necessary materials and equipment will be provided is not acceptable.
 - 2.4.2 Prices shall include the cost of delivery to the substation site.
- 2.5 All construction shall be performed in a workmanlike manner and shall conform to the Drawings and Specifications. The installation shall conform to the latest editions of the National Electric Code, Uniform Building Code, and the ACI 318 "Building Code Requirements for Reinforced Concrete".
- 2.6 The Drawings and Specifications are complementary, one to the other. That which is shown on the Drawings or called for in the Specifications shall be as binding as if both were called for and shown. The intention of the Drawings and Specifications is to include all labor, materials, transportation, equipment, and any other items necessary to do a complete job.
- 2.7 The Bidder shall wire all electrical interconnections in the building. This includes relay cabinets, Termination cabinets, battery charger, ac and dc supply to all equipment in the building.

3.0 Special Conditions

3.1 Defective Materials, Equipment and Workmanship

- 3.1.1 All materials and equipment furnished hereunder shall be subject to the inspection, tests, and approval of the Commission and the Bidder shall furnish all information required concerning the nature or source of any materials and equipment and provide adequate facilities for testing and inspecting the materials and equipment at the plant of the Bidder.
- 3.1.2 The materials and equipment furnished hereunder shall become the property of the Commission when delivered at the point to which shipment is to be made, provided, however, that the Commission may reject any such materials and equipment as does not comply with the Specifications for materials and equipment and warranties of the Bidder and manufacturers. Recognition and subsequent rejection of any defective materials and equipment may occur either before or after incorporation of such materials and equipment into the facilities, provided such rejection is made within one (1) year from date of delivery of the materials and equipment. Upon any such rejection, the Bidder shall replace the rejected materials and equipment with materials and equipment complying with the Specifications for materials and equipment and warranties, F.O.B. truck at suitable destination. The Commission shall return the rejected materials F.O.B. truck at the same destination. In the event of the failure of the Bidder to so replace rejected materials and equipment, the Commission may make such replacement and the cost and expense thereof shall be paid by and recoverable from the Bidder.

3.2 Miscellaneous

The Bidder shall hold harmless and indemnify the Commission, its agents and employees, from any and all claims, suits and proceedings for infringement of any patent or patents covering materials and equipment purchased hereunder. The Bidder shall defend any suit or proceeding brought against the Commission, its agents or employees, based upon a claim that the materials and equipment or any part thereof constitute an infringement of any patent, or if the Bidder shall fail to defend such suit or proceeding, the Commission may do so and the Bidder shall make reimbursement for the expense of such litigation. If the materials and equipment, or any part thereof is enjoined, the Bidder shall, at its own expense; either procure for the Commission the right to continue to use the materials and equipment, or such part thereof, or shall replace the materials and equipment, or such part thereof, with non-infringing materials and equipment.

4.0 Standards

All equipment and materials covered by these Specifications and all tests applied thereto shall, unless otherwise stated herein, be in accordance with the applicable provisions of the latest editions of the Standards of the ASTM, ACI, ANSI, AEIC, NEMA, NESC, and IEEE.

Where the term "Standards" is used in the Specifications, it shall be understood to refer to the above Standards.

5.0 Drawings and Instruction Books

The Bidder shall provide adequate documentation to fully describe the equipment being furnished. Each set of Approval and Final Drawings and documentation shall include, but not be limited to, the following information.

- a. List of Material which shall include a complete description of all items furnished including quantity, catalog numbers, ratings, and manufacturer.
- b. Structural, Electrical and Mechanical Drawings for the concrete control house.
- c. Heating, ventilation, and air-conditioning calculations shall be submitted for approval with Structural Drawings.

- d. Structural calculations for control house lifting lug design shall be submitted with Approval Drawings.
- e. The building manufacturer shall furnish complete Drawings showing anchor bolt settings, sidewall, underwall and roof framing, transverse cross-sections, covering and flashing details, and accessory installation details.
- f. The control house shall be designed for earthquake zone one (1). Structural Drawings shall note earthquake certification and bear the seal of a professional engineer of the state in which the building will be located.

All Drawings shall have marked on each sheet the label, as appropriate:

**PUBLIC WORKS COMMISSION – FAYETTEVILLE, NORTH CAROLINA
PREFABRICATED RELAY CONTROL HOUSE FOR THE
CUMBERLAND ROAD SUBSTATION AND PO HOFFER SUBSTATION**

Dimensional information shown on all Drawings shall be stated in feet and inches.

5.1 Drawings Furnished with Specifications

Standard Booth & Associates, LLC Substation Design Drawings have been prepared for the Commission's substation. A list of Drawings is located in the Appendices.

5.2 Drawings Furnished by Manufacturer

5.2.1 Approval Drawings

Before proceeding with fabrication, All Drawings and documentation shall be submitted directly to the Public Works Commission; Attention: **Mr. Joel Valley, 1094 Commission Drive; Fayetteville, NC 28302 (joel.valley@faypwc.com)** to demonstrate that all parts conform to the requirements and intent of these Specifications. Each set of Drawings shall include those Drawings as outlined in Section 5.0.

For Drawing approval, the manufacturer shall submit digitally, or if paper copies are sent, four (4) sets each of the Drawings.

Approval of Drawings shall not be held to relieve the manufacturer of obligations to meet all requirements in the Specifications, of responsibility for correctness of the Drawings, or of responsibility to meet original shipping promise on the basis of the Commission being allowed two (2) weeks for approval.

Receipt of Approval Drawings by the manufacturer constitutes authorization for manufacture only, based upon the corrections found thereon.

The Owner may require a second submittal of Shop Drawings if, in the opinion of the Owner, such is required due to the extent of changes required on the first submittal. If an extension of time is required due to a protracted Drawing approval process, the price will remain as quoted for the quoted delivery.

5.2.2 Final Drawings

Contingent upon Approval Drawing review and product manufacture, the Bidder shall issue final documentation as follows:

- a. One (1) complete set of all Drawings, revised to "as-built" status.
- b. One (1) complete set of all Drawings, revised to "as-built" status, released on two (2) separate CD-ROMs, compatible with AutoCAD® 2010.
- c. The specified number of copies of applicable bound instruction books, including one (1) print each of all Drawings representing physical and electrical details as furnished per paragraph 5.0 plus one (1) copy each of renewal parts catalog.

- a. **Two (2) copies of bound Instruction Books and Drawings shall be furnished for each control house.**
- b. Two (2) copies of certified test reports corresponding to functional performance measurements after final assembly shall be furnished for each control house.
- c. All Drawings are to be certified correct and supplied within a reasonable length of time prior to shipment of the equipment.

6.0 Shipping

- 6.2 Equipment shall be shipped upright to the substation site in an open-top truck so as to facilitate crane unloading by the Bidder.
- 6.3 The method of packing and loading shall be such as to protect all parts from dampness, corrosion, breakage, or vibration damage that might reasonably be encountered in transportation and handling.
- 6.4 Release for shipment is to be granted by either the Commission or the Engineer based upon the manufacturer's compliance with the following:
 - 6.4.1 Approval of factory inspection as called out in General Conditions, Section 8.0.
 - 6.4.2 Furnishing of the required number of copies of the Final Drawings, test reports, and instruction books as called for in the Specifications.
 - 6.4.3 Coordination of manufacture and delivery with the Commission's construction schedule as may be noted in the Specifications.
 - 6.4.4 Thirty (30) days notification of tentative shipping schedule and two (2) working days notification prior to all deliveries.
- 6.5 Shipments will be received only between the hours of 8:00 a.m. and 3:00 p.m. Monday through Thursday.
- 6.6 See Appendices for substation vicinity maps for location of delivery.

7.0 Building Construction

- 7.1 Design
 - 7.1.1 Design and construction shall conform to the latest applicable standards as issued by the following agencies:
 - a. American Concrete Institute (ACI 318-89)
 - b. National Electric Manufacturers Association (NEMA)
 - c. National Electric Code (NEC) (NFPA #70)
 - d. Uniform Building Code (UBC)
 - e. American Standards Institute/American Society of Civil Engineers (ANSI/ASCE 7-88/ANSI 58.1)
 - f. American Society for Testing and Materials (ASTM)
 - 7.1.2 The building shall be precast, preassembled concrete. The building shall withstand 30/06 rifle fire at 15' distance per UL 752 standards.

The building shall be designed for the explicit use of housing electronic equipment, measuring devices, and other related components, within a controlled atmosphere required for the proper operating conditions for the equipment.

The building shall be sealed to resist dust infiltration and be watertight.
 - 7.1.3 Building components shall be designed to withstand external loading as prescribed by the applicable codes in Section 7.1.1. All Drawings shall bear the seal of a currently licensed Professional Engineer.

- 7.1.4 Floor and base shall be designed to withstand all dead and live loads as applicable, or a minimum of 250 lbs/ft².
- 7.1.5 Walls shall be designed to withstand an additional 450 lbs per linear foot (225 ft-lbs moment per linear foot) resulting from equipment mounted on interior, in addition to the external loadings above.
- 7.1.6 The ceiling/roof shall be capable of withstanding a single continuous load of 100 lbs per linear foot located at mid span of the ceiling panels and running the entire building length.

Roof live loads shall be applied to the horizontal roof projection and shall be 30 pounds per square foot (30 psf). The roof shall be designed to accommodate a static vertical load of 50 lbs. for each cable tray support rod as shown on the Cable Tray Plan. The design wind pressure shall be ninety pounds per square foot (90 psf) (150 MPH) winds applied to the primary framing and to wall components per ASCE 7-88.

- 7.1.7 If transportation restrictions allow, the structure shall be constructed in one piece. Should transportation restrictions dictate multi-piece construction, shipping splits shall be structurally reinforced to minimize distortion during handling and transportation.
- 7.1.8 The entire structure (or each shipping piece for multi-piece structures) shall be designed for lifting from lugs located along the base perimeter members at fifteen foot (15'-0") approximate intervals. Base and floor system shall be designed to withstand all loads while supported at lift points only. All lifting lugs shall be removable or be cast in flush to exterior walls.
- 7.1.9 The optimum operating temperature of the equipment to be installed shall be assumed to be 78°F. The heating and cooling requirements for the shelter shall be based upon the outside ambient temperature and minimal equipment operating heat output. Heating, ventilation, and air-conditioning calculations shall be submitted for approval with Structural Drawings.
- 7.1.10 The Bidder shall also be responsible for the installation of the cable tray system. Suspension rods shall be one-half inch (1/2") diameter stainless steel rod, continuously threaded, and shall be securely attached to roof structure to achieve the spacings and elevations required as indicated on the Drawings. The bottom elevation of all suspension rods shall be a minimum of eight feet (8'-0") above finished floor.
- 7.1.11 The manufacturer shall provide NEMA four-hole pads at corners for grounding the building to the substation ground grid. All electrical equipment, panels, and cable tray shall be bonded to these pads with a bare stranded 2/0 AWG copper conductor. This 2/0 AWG grounding conductor shall be routed as detailed on the Control House Plan.

7.2 Materials and Construction

- 7.2.1 The entire structure shall remain indoors, totally protected from weather, from fabrication through the complete preparation. All preparation shall be performed indoors, in a temperature and humidity controlled environment.
- 7.2.2 Concrete
 - a. Compressive strength shall be 4000 psi at 28 days.
 - b. Mix design shall be 114-118 lb./cu. ft. structural lightweight concrete using expanded shale or expanded clay aggregate. Mix shall be homogeneous. Seeding of aggregates for exposed aggregate finish is not allowed.

- c. Cement used in concrete shall be standard Portland Cement conforming to the requirements of the "Standard Specifications for Portland Cement" ASTM Designation C150.
 - d. Concrete aggregates shall conform to "Specifications for Concrete Aggregates" ASTM Designation C33 or "Specifications for Lightweight Aggregates for Structural Concrete" ASTM Designation C330.
 - e. Water shall be free from injurious quantities of oil, alkali, vegetable matter and salt. Non-potable water shall not be used in mixing concrete.
 - f. Reinforcement bars shall be deformed steel bars conforming to the requirements of the "Specifications for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement" ASTM Designation A615.
 - g. Welded smooth wire fabric shall be steel wire fabric conforming to the requirements of the "Specifications for Welded Steel Wire Fabric for Concrete Reinforcement" ASTM Designation A185.
 - h. Air-entraining admixtures shall conform to "Specifications for Air-entraining Admixtures for Concrete" ASTM Designation C260.
 - i. Water reducing admixtures, retarding admixtures, accelerating admixtures, and water reducing and accelerating admixtures shall conform to "Specifications for Chemical Admixtures for Concrete" ASTM Designation C494.
 - j. Fly ash or other pozzolans used as admixtures shall conform to "Specifications for Fly Ash and Raw or Calcined Natural Pozzolans for Use in Portland Cement Concrete" ASTM Designation C618.
- 7.2.3 Floor section shall be six (6) to eight (8) inches waffled structural precast concrete section. Ribs shall be a maximum of two feet (2'-0") o.c. transverse and four feet (4'-0") o.c. longitudinal. All surfaces shall be smooth. Floor will be designed to support dead load of five equipment cabinets, mounted mid-floor, with a minimum footprint of 28" x 32" each, with a weight of 800 lbs. each.
- 7.2.4 The interior floor surface in the main equipment room shall be covered with 1/8" x 12" x 12" square vinyl floor covering, bonded with a waterproof contact adhesive. Floor to wall intersection shall be finished with 4" vinyl baseboard.
- The interior floor surface in the battery room shall be bare concrete primed with high solids epoxy primer and finished with high solids polyurethane enamel with anti-skid additive. Floor-to-wall intersection shall be finished with 4" vinyl baseboard.
- 7.2.5 Wall section shall be four inches (4") solid concrete, cast in one piece to minimize joints, with an exterior exposed aggregate finish.
- All joints shall be sealed with a compressible, resilient sealant. There shall be no exposed roof-to-wall or wall-to-floor joints.
- 7.2.6 Roof section shall be concrete with 1/8" per foot drainage slope. Roof section shall provide two inch (2"-0) overhang on all sides. The roof will be a hip type sloping four (4) directions, it shall be a cap and fit over the walls, leaving no exposed roof to wall joint. Roof shall be designed to withstand external loading as prescribed by the applicable codes in Section 7.1.1.
- 7.2.7 Exterior surfaces of walls and roof shall be sealed with two (2) coats of Thoroglaze H Sealer, or acceptable equal, in strict conformance with manufacturer's instructions.

- 7.2.8 Wall and ceiling insulation and finish shall be foam board insulation covered with 3/4" thick board, surfaced with fiberglass reinforced plastic. Insulation value in the ceiling shall be R-19. Insulation value in the walls shall be R-11. Plastic joint or corner trim shall be installed at all panel joints.
- 7.2.9 Interior walls for partitioning of battery room area shall extend to full height of ceiling contour. Partition wall shall include necessary insulation to achieve a minimum thermal rating of R-11. Finish of both surfaces of partition wall shall be same as that specified for interior of main walls. Material for interior wall erection may be either timber or metal. Partitions shall be capable of supporting 450 lbs per linear feet (225 feet lbs. moment per linear feet, resulting from equipment mounting)
- 7.2.10 All utilities shall be UL listed and recognized devices. Wiring of all utilities shall be performed using THW, copper wire run in exposed EMT. All utilities shall be functionally tested prior to completion.
- 7.2.11 HVAC is required, calculations shall be submitted with Approval Drawings showing required sizing for ventilation, heating and/or air conditioning loads, indicating ambient intrusion and internal equipment heat losses used as design parameters.
- 7.2.12 Lifting lugs shall be located along building base frame exterior and shall be removable or cast in flush with outside surface of the wall. Structural calculations for lifting lug design shall be submitted with Approval Drawings.
- 7.2.13 Cutouts for cable tray entrance shall be covered with 12 gauge galvanized steel cover plates with rubber gaskets as located on Drawings.
- 7.2.14 Should transportation restrictions require shipping splits, each open area shall be sealed with 2" thick wooden framing and plywood cover. Seams in plywood shall be liberally caulked at the exterior.
- 7.2.15 All permanent structural primary and secondary members shall consist of materials which do not support combustion. Use of wood or other materials which support combustion shall not be allowed.
- 7.2.16 Insulated Metal Swing Doors
- a. All exterior doors shall be three feet by eight feet by one and three-fourths inches (3' x 8' x 1 3/4") 18 gauge galvanized steel, insulated, primed, painted brown and installed flush with door check, door stop, weather-stripping, mortise lockset, and stainless steel ball bearing hinges. All exterior doors, single- and double-leaf, shall swing outward.
 - b. Door frames shall be 16 gauge galvanized steel and shall be equipped with an extruded aluminum door stop having a continuous weather-strip insert which provides a positive weather seal.
 - c. The threshold shall be extruded aluminum and shall provide a positive weather seal.
 - d. Double-leaf doors shall be installed with the left-hand door equipped with interior head and foot latching bolts and accompanying zee astragal on door edge to affect this door leaf inactive under normal conditions.
 - e. Each door shall be provided with a standard-duty hydraulic door closer with aluminum lacquer finish.
 - f. Doors shall have stop to hold door open.
 - g. Door locks shall be equipped with anti-pick coverplates.

- h. Door leaves and frames shall be bonderized galvanized steel and painted with one (1) coat of oven-dried rust-inhibitive primer.
- i. Door frames and leaves shall be factory finished with an enamel paint to match other exterior trim.
- j. Locks on all doors shall be keyed alike. The Commission will provide a master key. Lock brand to be "Lockwood" for use with Channel "L1 keyway". Twelve (12) keys will be supplied to the Commission.
- k. Each door of each main control house shall have a door sensor indicating the door is in the closed position. The sensor shall be mounted and conduit shall be run to the Alarm Enclosure. Wiring to be terminated inside Alarm Enclosure.
- l. The double door shall have an awning. The awning shall have adequate width covering the door and light and extending minimum 3 feet from the wall. The awning can be made with aluminum, metal or fiberglass.

7.2.17 Climate Control and Ventilation

The Bidder shall furnish and install the following items for climate control of the building.

- a. Wall-mount HVAC heat pumps units shall be installed in accordance with the enclosed Drawings. The units shall be rated for use at 240 volts ac, with a minimal heating/cooling capacity required to maintain an internal temperature of 68 degrees F. in the summer and 76 degrees F. in the winter.
- b. Bidder shall state the EER rating, manufacturer, BTU/H for heating/cooling and model number of the unit to be furnished in the Bidder's Proposal.
- c. A direct-driven wall-mount exhaust fan shall be mounted in the battery rooms as indicated on the enclosed Drawings. The fan shall be rated for use at 120 volts ac, having a minimum air flow capacity of six hundred and fifty (650) cubic feet per minute. The fan shall be furnished hydrogen sensor-controlled, complete with an automatic wall shutter for weather tight installation.
- d. One additional wall louver 24" x 24" shall be located as shown on the Drawings. The louvers shall be motor-operated, and electrically operated by the exhaust fan hydrogen sensor to open when the exhaust fan is running. Louver shall operate on 120 volts ac. Louver shall have a rain proof outer enclosure.
- e. Safety equipment and accessories in each control house shall include one (1) battery safety kit, including a self-contained eye-wash station model Honeywell Fendall Pure Flow 1000 with proper signage identifying eyewash station. All equipment shall be mounted per the Drawings.
- f. All alarm contacts from HVAC system and Hydrogen detection system shall be terminated in the Alarm Enclosure. All wiring to be run in conduit.

8.0 Electrical Materials, Equipment, and Installations

- 8.1 All construction shall be performed in a workmanlike manner and shall conform to the Substation Drawings. The installations shall comply with the applicable rules of the latest editions of the National Electrical Code, and Interim Amendments, the National Electrical Safety Code, and the Uniform Building Code. Defective materials and equipment or materials and equipment damaged in the course of installation or test shall be replaced or repaired in a manner meeting the approval of the Commission and Engineer.
- 8.2 All equipment shall be properly and securely mounted and connected. Proper clearances shall be maintained. All bus and lead connections shall be electrically sound.

- 8.3 The Bidder will install all AC (AC Panel Nos. 1 & 2) and DC (DC Panel No. 1) panelboards and all conduit runs to electrical devices, complete with appropriate wiring and cables. The Bidder shall terminate all conduits with appropriate bushings, weatherheads or elbows into equipment enclosures, and shall install wiring in the conduits as specified leaving enough slack cable inside for terminations. The Bidder will be responsible for termination and hook-up of all wiring internal to the control house, plus be responsible for any discrepancies encountered during check-out and station energization.
- 8.4 The manufacturer will provide NEMA 4-hole ground pads as shown at corners to connect the building to the ground grid. All electrical equipment, panels, and cable tray shall be bonded to these pads with at least a 2/0 AWG copper conductor.

8.5 Conduit

- 8.5.1 The Bidder shall exercise necessary precautions to prevent the accumulation of any foreign materials in the conduits during execution of the work. Conduits in which water or other foreign materials have been permitted to accumulate shall be cleaned thoroughly or the conduit run replaced where such accumulation cannot be removed by methods approved by the Engineer.
- 8.5.2 Surface mounted EMT conduit will be utilized for the wiring connections to all electrical devices provided by the Bidder.
- 8.5.3 Two-inch (2") EMT conduits shall be installed from the top of all ac and dc panels to the cable tray above for future power cabling. The maximum number of two-inch (2") EMT conduits that will fit in the panels shall be installed.
- 8.5.4 Four (4) two-inch (2") EMT conduits shall be installed through the battery room partition wall for wiring of the battery system.

8.6 Building Power Wiring and Control Cables

Building power wiring (furnished by the Bidder) and building control cables (furnished by the Bidder) for interconnection shall be sized and installed as shown on the Drawings as listed in the Appendices. Conductors and insulation shall conform to the Underwriters' Laboratories, Inc. Standards and the wiring systems shall in general be based on conductors with code grade insulation for wet locations. All conductors shall be marked in accordance with the National Electrical Code, showing conductor size, insulation type, and voltage rating at prescribed intervals.

- 8.6.1 Building interior service and house wiring (furnished by the Bidder) for devices, lighting, and outlets shall be 600 volt, Type THW, copper, and shall be solid in sizes #12 AWG through #10, and shall be stranded in sizes #8 AWG and larger.
- 8.6.2 Substation relay panel wiring (furnished by the Bidder) for connecting relay panels to ac and dc panels along with the termination cabinet shall be 4 conductor, #10 AWG, Color Table E-1, Anixter 2MR-1004-1 and 12 conductor, #10 AWG, Color Table E-2, Anixter 2MR-1012 or equal.
- 8.6.3 Substation relay panel communication cables (provided by Owner) shall be labeled and installed by Bidder.
- 8.6.4 Installation and Termination

Bidder shall install all wiring where both ends of the wiring are terminated inside the building.

All control cables shall be clearly and permanently marked at each termination of the jacket in accordance with the cable numbers shown on the "Conduit and Cable Schedule" (see Appendices). Each conductor shall be clearly and permanently marked at each termination using Brady or equal pressure sensitive wire markers. Conductor markings shall be in accordance with the "Interconnection Diagrams" as indicated in the Appendices. The cable jacket shall remain on the cable to a point within one (1) foot of where the first conductor is to be terminated. At the termination

of the jacket, the cable shall be securely sealed using plastic electrical tape.

All control wiring shall be continuous from terminal point to terminal point. **No splices will be permitted.** Terminations shall be made using insulated ring tongue compression connectors, AMP PIDG. All control wiring shall be neatly dressed and tied using plastic ty-wraps, in each device. Terminations, wire markers, and ty-wraps shall be furnished by the Bidder.

8.7 Lighting

Lighting for the control building shall include the furnishing and installation of three (3) systems: (1) a primary 120/240 volt ac system of primary LED lights; (2) an emergency system of self-contained, battery operated spot flood/exit sign fixture(s); and (3) exterior floods with motion detection operation.

- 8.7.1 Primary lighting shall be installed as per the Drawings using LED fixture 120 volt.
- 8.7.2 Emergency lighting shall utilize Energi-Lite Catalog Number 12LSM110-2, fixtures with steel guard with two (2) 9 watt, 12 volt DC high-intensity tungsten bulbs.
- 8.7.3 Lighting for battery room shall be 120 Vac LED, 100 watt equivalent with vapor proof globe.
- 8.7.4 Emergency light and exit sign (single-sided) over all (both) doors. Unit to be 120 Vac input with charger and battery for emergency operation.
- 8.7.5 Exterior lighting shall consist of three (3) 300 watt equivalent LED floods with motion detector as shown on the Drawings. All exterior floods shall utilize one switch for all on/off and normal motion operation.

8.8 Electrical Distribution Panels and Wiring

The Bidder shall provide and install two (2) complete wiring systems for all facilities associated with the building structure: (1) the primary system will operate at 120/240 volts ac, single-phase, and (2) the emergency system will operate at 48 Vdc.

- 8.8.1 The primary wiring system will include circuits to all 120/240 volt ac devices and shall include interior distribution panels as the origin for all circuits. The Bidder shall mount the distribution panels and all outgoing branch circuits terminated within the building as indicated on the Drawings.
- 8.8.2 The automatic transfer switch shall be 120/240 VAC, single phase, two-pole, ASCO 300 Series, N1 or approved equal, furnished and installed by the Manufacturer. See drawings for current rating and wiring. All conduit and wire shall also be provided and installed by the Manufacturer. Alarm contacts to be terminated in Alarm Enclosure
- 8.8.3 The ac distribution panels (AC Panel No. 1 and No. 2) shall be single-phase, three-wire, 120/240 volts, provided with main breaker and frame and the number of poles and single and double pole bolt-in branch circuit breakers indicated on the Drawings. Branch circuit breakers shall be sized and positioned in the panel as indicated on the Drawings. Breakers shall be quick-make and quick-break with position handle indicator on automatic trip and arc quench and shall conform to the requirements of Federal Specifications W-C-375A; cabinet shall be constructed of zinc-coated sheet steel and shall conform to the Underwriters' Laboratories, Inc., Standard for Cabinets and Boxes. A directory holder with clear plastic cover and metal frame shall be mounted on the inside of the doors. Panelboard shall be rated at 22,000-amperes interrupting capacity and shall be **Cutler-Hammer Type Power-Line 1, with Type FD main breaker and Type QBHW branch circuit breakers.** All outside receptacle circuits shall be

equipped with ground fault interrupter (GFI) type breakers. The Bidder shall be responsible for the complete installation of the distribution panel including grounding to the system ground bus. The ac power panels shall be installed in a completely enclosed, wall-mounted sheet steel cabinet with necessary interconnecting bus and conduit. All fastenings between structural members shall be bolted, not welded. Knockouts shall be provided in the top and bottom for incoming services and branch circuits.

- 8.8.4 After fabrication, enclosure shall be rust-proofed and finished with baked-on enamel, light gray in color, ANSI 61.
- 8.8.5 The 48 volt dc system shall include all wiring to relays and devices as indicated on the Drawings and shall terminate as shown. The Bidder will be responsible for the installation of the dc power panel mounted inside the control house (DC Panel No. 1).
- 8.8.6 DC Panel No. 1 is required for installation in the control house to provide protection for the various dc circuits to the equipment. The dc power panel shall be rated 250 volts dc, with a main breaker and frame and shall be provided with the number of double-pole, bolt-in branch circuit breakers indicated on the Drawings. Branch circuit breakers shall be sized and positioned in the panel as indicated on the Drawings.

Circuit breakers shall conform to Federal Specifications W-C-375a.

The enclosure shall be constructed of Code-gauge galvanized steel with knockouts conforming to the requirements of the Underwriters' Laboratories, Inc., Standard for Cabinets and Boxes.

Trim and door shall have suitable primer coat and a finish coat of light gray color, ANSI 61. Panelboard cabinet shall be provided with not less than four-inch wiring gutters at the sides, top and bottom. Trim shall be fitted with hinged door having combination lock and latch. A directory holder with clear plastic or glass plate and metal frame shall be mounted on the inside of each door. A neatly typed directory properly identifying each circuit shall be mounted in the frame.

The panelboard shall be rated 250 Vdc at 10,000-amperes interrupting capacity and shall be **Cutler-Hammer Type Pow-R-Line 3a with Type FDB main breaker and Type EHD branch circuit breakers.**

- 8.8.7 The Bidder shall procure and install the battery charger and battery rack. The batteries themselves will be purchased by Others.
 - Battery System - Charger 40A with optional DNP/Modbus communication board (P/N: EJ5037-03) Hindle AT048040F240SXSGXXXXAPS
 - Battery System - Battery Rack two step two tier Energys SL2115
- 8.8.8 All interior wiring shall be installed in electrical metallic tubing (EMT) as specified on the Drawings or installed in cable tray and shall utilize exposed surface-mounted construction, including conduit, receptacle boxes, junction boxes, and lighting fixtures. Conduit runs shall not be allowed behind walls or under the floor.
- 8.8.9 An Alarm Enclosure shall be mounted on the wall, as shown in drawings. Enclosure to be large enough to allow alarm contacts from all manufacture supplied equipment to be terminated in this enclosure. A single 2" Conduit shall be installed and run to cable tray for field connections.
- 8.8.10 All disconnects and transfer switches shall be provided and installed by the Bidder. All conduit and wire shall also be provided and installed by the Bidder.

8.9 Transfer Switches

- 8.9.1 The Bidder shall furnish an automatic switch rated for indoor use, 240 Vac, 200 A.

8.10 Cable Tray System

A cable tray system shall be installed by the Bidder for the control house. The cable tray shall be twenty-four inches (24") wide and five-inches (5") high, with a four-inch (4") minimum loading depth and shall be of the ladder type construction, manufactured of extruded structural grade aluminum. Tray shall conform to NEMA 12C Classification, (maximum of eight feet (8') support span length and 100 pounds per foot maximum loading). Ladder type construction shall utilize nine-inch (9") rung spacing. Bends shall use twelve-inch (12") radius vertical and twelve-inch (12") radius horizontal ninety degree (90°) bends. The cable tray system shall be as manufactured by Chalfant, System 2A or approved equal. Bidder to provide twelve (12) snap-on ladder rung dropouts, Chalfant Model 9AW198, or approved equal for 24" wide tray. Drop-outs to be used where needed to facilitate cable entry/exits.

8.11 The Owner will drop ship the relay panels and termination cabinet to Bidder. These panels are to be fully installed and wired by the Bidder

9.0 Permits and Clean-up

9.1 Permits, Fees, Etc.

The Bidder shall be responsible for obtaining and paying for all permits, licenses, certificates, inspections, etc., required, both permanent and temporary.

9.2 Cleaning Up

The Bidder shall be individually responsible for cleaning smears, labels, spots, and discoloration from each piece of equipment. All building materials shall be left clean and in new condition.

10.0 Site Work

Since the control building will be installed onto an existing pad, there will be very minimal site preparation required.

11.0 Warranties

The Bidder shall furnish written warranties on the concrete building itself, including color finishes and individual manufacturer's warranties on each piece of heating, lighting, electrical, or plumbing equipment furnished and installed.

12.0 Bidder/Commission Responsibilities

The following is a summary of materials and work tasks pertaining to this building, itemized by the party who is solely responsible for the completion of each item (i.e., the Bidder or the other party).

12.1 Bidder Responsibilities

The Bidder shall furnish material for and completely install the following items in accordance with the Specifications:

- a. One (1) complete concrete building of stated size and dimension including: structural framing, wind bracing (if necessary), exterior wall and roof panels, insulation with moisture barriers, insulated metal doors, and all necessary fasteners, trim, glazing, flashing, sealants, paints, hardware, and electrical panels.
- b. Wall-mounted HVAC units.
- c. Interior walls and partitions.
- d. All necessary permits, fees, inspections, etc., for proper construction.
- e. Clean-up and touch-up of any discolored or damaged material.
- f. Building manufacturing Drawings and equipment bill of material.
- g. Battery room, exhaust fan, louvered vent and hydrogen sensor for battery rooms.
- h. Electrical wiring for outlets, switches, door switches, ventilation, HVAC unit, light fixtures, ac and dc panelboards, wiring bus duct, all transfer switches, relay panels, termination cabinet and battery charger.

- i. Battery Rack and Battery Charger (not batteries)
- j. Cable tray systems.
- k. One (1) metal desk and two (2) metal chairs.

12.2 Other Party Responsibilities

Other parties shall be responsible for furnishing materials and/or the complete installation of the following work tasks (in accordance with the Specifications):

- a. Site preparation.
- b. Grounding of building steel to the ground grid. The building manufacturer will provide NEMA four-hole pads at the corners as shown for this purpose.
- c. Pulling all control cables from the yard equipment into the building and terminating the control cable wiring on the other side of the termination cabinet.
- d. Battery for dc system.
- e. Master key for “US Lock” brand locks. US LOCK MORTISE CYLINDER 1" ADAMS RITE CAM. PWC will provide a key for setting tumblers in the cylinder to match PWC standard US Lock key.

APPENDICES

1. Booth & Associates, LLC – Drawing List
2. Vicinity Map

1

Booth & Associates, LLC
Drawing List

**PUBLIC WORKS COMMISSION
FAYETTEVILLE, NORTH CAROLINA**

**SPECIFICATIONS AND BID DOCUMENTS
FOR A PREFABRICATED RELAY CONTROL HOUSE FOR THE
CUMBERLAND ROAD SUBSTATION AND PO HOFFER SUBSTATION**

LIST OF DRAWINGS

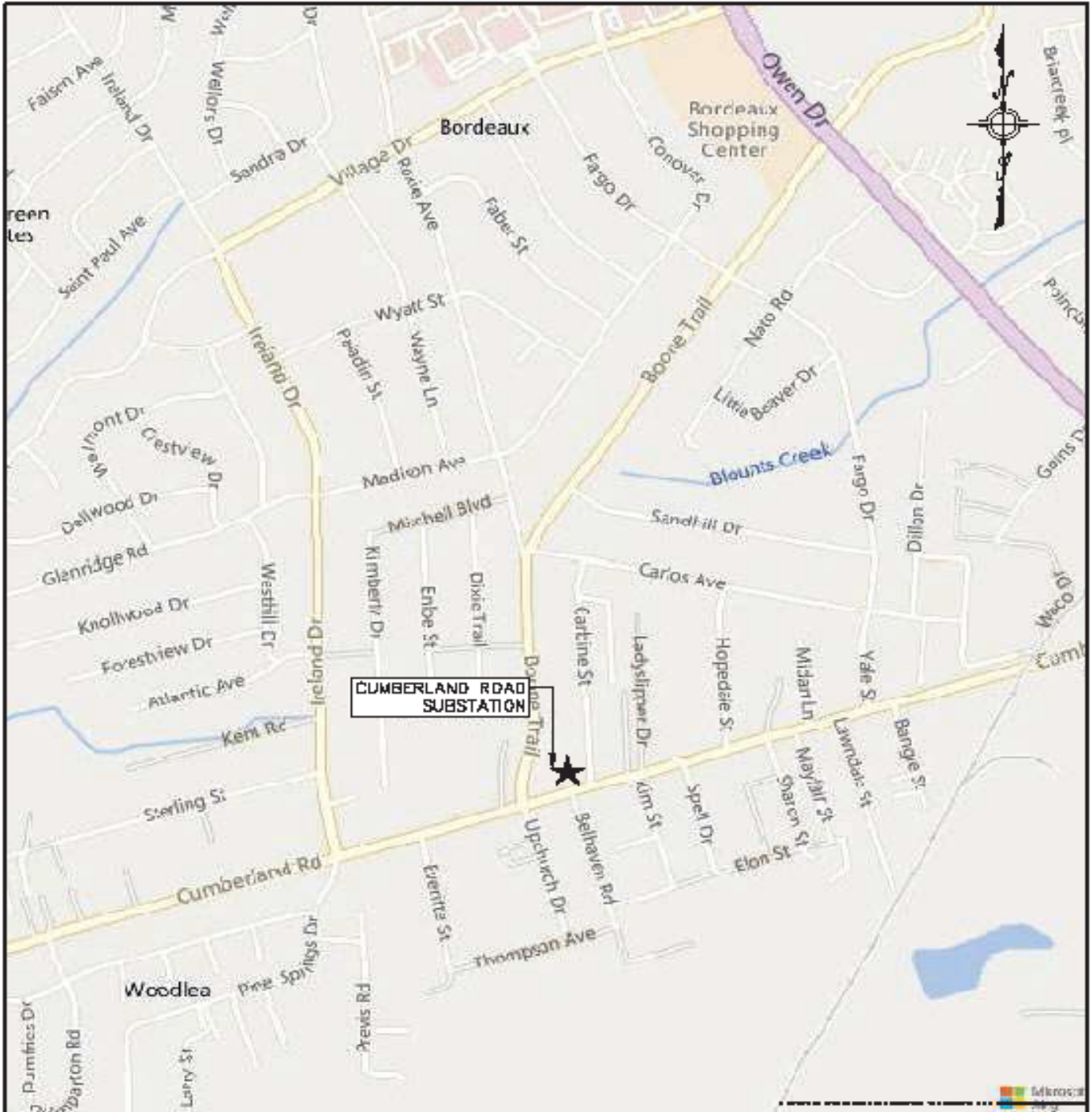
The work shall conform to the following Drawings by Booth and Associates, LLC, all of which form a part of these Specifications. The Contractor is responsible for contacting the Engineer if any Drawings not indicated to be furnished at a later date are missing from their bid package. If the Bidder does not contact the Engineer regarding any Drawings, their bid will be considered based on all Drawings and Specifications, as issued for bids.

RELAY CONTROL HOUSE

Sheet No.	Title
CH1 of 2	Control House Plan & Sections
CH2 of 2	Control House Details
E037	AC-1 & AC-2 Panels Interconnection Diagram
E038	DC Breaker Panels Interconnection Diagram
E039	Switchboard No. 1 Interconnection Diagram
E040	Switchboard No. 2 Interconnection Diagram
E041	Switchboard No. 3 Interconnection Diagram
E042	Switchboard No. 4 Interconnection Diagram
E052	Termination Cabinet Interconnection Diagram
C3	Conduit and Cable Schedule

2

Vicinity Map



SITE LOCATION

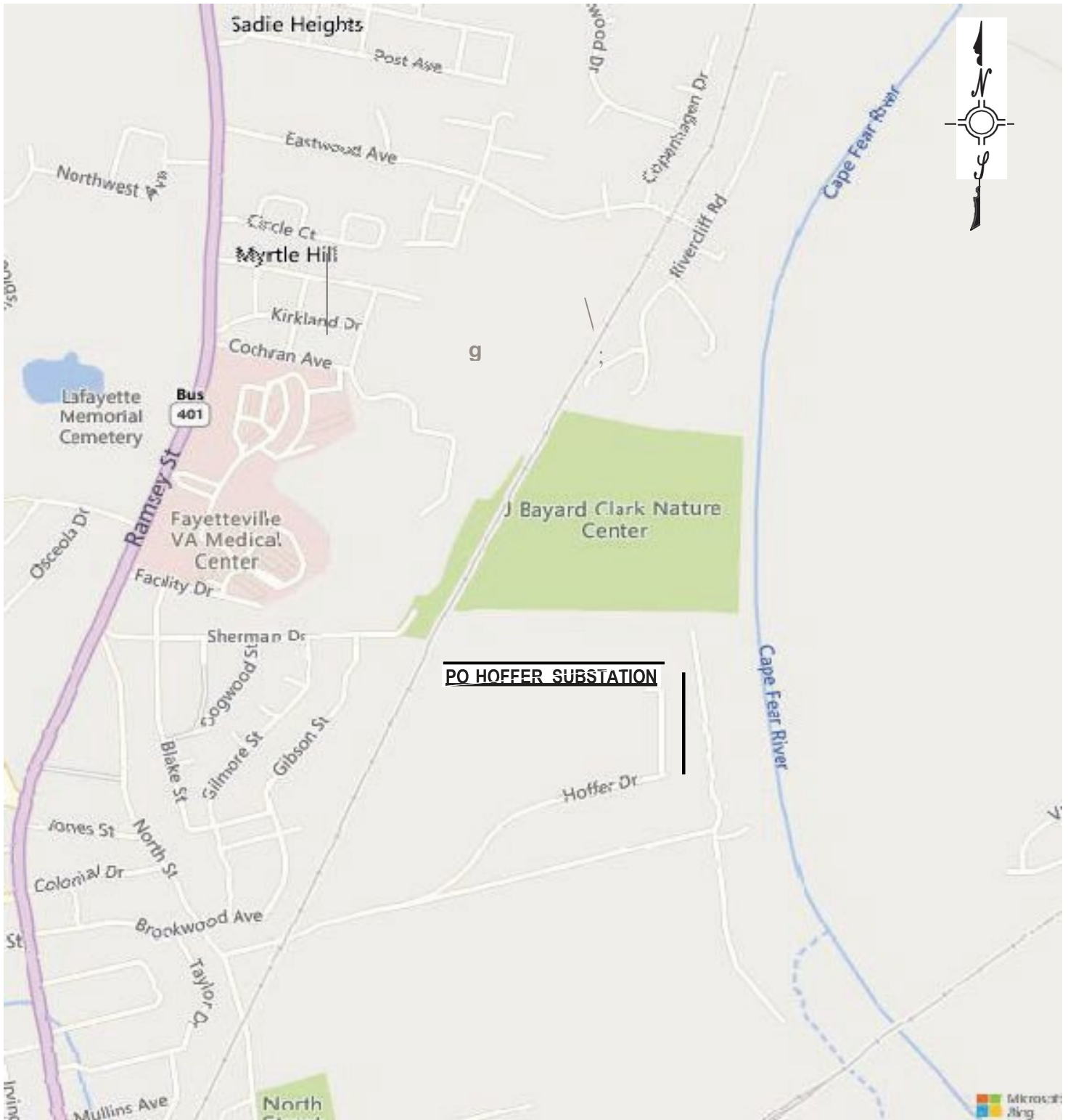
ADDRESS:
 2338 CARBINE STREET,
 FAYETTEVILLE, NC 28306

PWG OF THE CITY OF FAYETTEVILLE
 FAYETTEVILLE, NORTH CAROLINA


**CUMBERLAND ROAD 69 TO 15 X 25 kV SUBSTATION
 VICINITY MAP**



DWN. AAI	DATE: 06/08/22	DWS. NO.	
CKD. EAR	APPD. EAR		
SCALE: 1" = 1,000'	FILE: 1251DVM	VM-1	
JOB NO. 2210713	DATE		REVISION
© 06/2022			



PO HOFFER SUBSTATION

<p><u>SITE LOCATION</u></p> <p>ADDRESS: 570 HOFFER DRIVE, FAYETTEVILLE, NC 28301</p>	<p>PWC OF THE CITY OF FAYETTEVILLE FAYETTEVILLE, NORTH CAROLINA</p>		<p>DWG. NO.</p> <p>VM-1</p>				
	<p>PO HOFFER 69 TO 15 X 25 KV SUBSTATION VICINITY MAP</p>						
							
	<p>DWN. AAI</p> <p>CKD. EAR</p> <p>SCALE: 1" = 1,000'</p>	<p>DATE: 06/06/22</p> <p>APPD. EAR</p> <p>FILE: 12513VM</p>					
	<p>JOB NO. 2210714</p> <p>© 06/2022</p>	<table border="1"> <thead> <tr> <th>DATE</th> <th>REVISION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	REVISION		
DATE	REVISION						

BID PRICING FORM

BIDDER NAME: _____

Furnish And Deliver:

Item #	QTY.	UOM	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
1	1	EA	Design, furnish, and install 13'-8" x 38' x 10'-6" Prefabricated Relay Control House for the Cumberland Road Substation , all as per Specifications, including delivery to the site, and unloading.		
2	1	EA	Design, furnish, and install 13'-8" x 38' x 10'-6" Prefabricated Relay Control House for the P.O. Hoffer Substation , all as per Specifications, including delivery to the site, and unloading.		
Subtotal:					
State Sales Tax (If Applicable)					
TOTAL BID:					
Delivery Schedule (Days)*					
Approval Drawings ⁽¹⁾					
Final Drawings ⁽¹⁾					
Delivery ⁽²⁾					
Field Service Engineering (Per Day Rate)					
Per Day Rate (including expenses) for field service engineering for additional days					

*Number of consecutive calendar days (NOT business days) after receipt of written orders from the Commission.

- (1) Submittal of drawings to the Engineer shall follow promptly after issuance of Purchase Order. Delaying drawings because manufacturing/delivery schedule allows for it is not acceptable.
- (2) Allow two (2) weeks for Engineer's review and turnaround for all Drawing submittals.

BID FORM CONTINUED

BIDDER NAME: _____

CUMBERLAND ROAD STATION

Proposed HVAC Unit - Main

Manufacturer: _____

Model No.: _____

EER: _____

Proposed HVAC Unit – Battery:

Manufacturer: _____

Model No.: _____

EER: _____

PO HOFFER SUBSTATION

Proposed HVAC Unit - Main

Manufacturer: _____

Model No.: _____

EER: _____

Proposed HVAC Unit – Battery:

Manufacturer: _____

Model No.: _____

EER: _____

ATTACHMENT C: CERTIFICATION OF PRIMARY PARTICIPANT REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS

The Primary Participant, _____ (major third party contractor), certifies to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

(If the primary participant is unable to certify to any of the statements in this certification, the participant shall attach an explanation to this certification.)

THE PRIMARY PARTICIPANT _____ CERTIFIES OR AFFIRMS THE TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE PROVISIONS OF 31 U.S.C. SECTIONS 3801 ET. SEQ. ARE APPLICABLE THERETO.

Signature

Title

Printed Name

Date

PWC At a Glance



Customers



- In operation since 1905 (116 years)
- Provide Electric, Water and Wastewater Services
- Total Customers: 119,380
- Number of Services: 273,794
 - Electric: 82,304
 - Water: 90,430
 - Wastewater: 89,913
- Customers with 2+ services: 75%
- Annual Customer Turnover: 20-25%

Customer Service



- Annual Customer Contacts: 433,794
- Average Monthly Calls: 31,452
- Annual Bills Generated: 1.4 Million
- Customer Incentive Programs: 13
- Annual Water Leak Notifications: 21,850

Employees



- Number of Employees: 651
- Average Tenure of Employees: 10.37 years
- Average Age: 44.59
- Annual Turnover: 6.0%*
- Annual Hours Worked: 1.2 Million

*non retirement

Facilities



- Butler-Warner Generation Plant (268 MW)
- PO Hoffer Water Treatment Facility (39.5 MGD)
- Glenville Lake Water Treatment Facility (18.0 MGD)
- Cross Creek Water Reclamation Facility (25 MGD)
- Electric Service Area: 147 Sq. Miles
- Water Service Area: 163 Sq. Miles
- Wastewater Service Area: 142 Sq. Miles

Electric Operations



- Purchase Wholesale Power from Duke Energy
- Only NC municipal system to own/operate a generation plant (Dispatched for use by Duke Energy)
- Generation Capacity: 268 MW
- Annual MWH Sold: 1.9 Million
- System Peak: 499 MW (Feb. 9, 2015)
- Reliability Rate: 99.9906%
- Electric Distribution Substations: 32
- Distribution Lines: 1,351 miles
- Transmission Lines: 142 miles
- Streetlights/Area Lights: 37,441

Water/Wastewater Operations



- Population Served: 225,000
- Drinking Water Treated: 11.2 Billion Gallons/Year
- 100% Complaint for all EPA Drinking Water Standards
- Daily Water Treatment Capacity: 57.5 Million Gallons
- Daily Wastewater Treatment Capacity: 46 Million Gallons
- Water/Wastewater Infrastructure: 2,700 miles
- Hydrants: 8,300
- Sanitary Sewer Lift Stations: 82

Financial



- Annual Operating Budget: \$405.2 Million
- Total Assets: \$1.44 Billion
- Bond Rating: Aa2 (Moody's), AA (Standard and Poor), AA (Fitch)
- Annual Local Purchases: \$25 Million
- Operations & Maintenance Expenses per Customer: \$432 (\$556 National Median)
- Annual Contributions to City of Fayetteville in Lieu of Taxes: \$11.4 Million
- Annual Streetlight Services: \$3.9 Million
- Annual Economic Development: \$1.2 Million (thru 2021)

SALE OF GOODS AGREEMENT

This Sale of Goods Agreement (“Agreement”) is made by and between the City of Fayetteville (the “City”), by and through the Fayetteville Public Works Commission (“PWC”), a North Carolina public authority, and _____ [insert seller’s full legal name] (“Seller”), a _____ [identify the legal entity and State in which formation was accomplished] (each of PWC and Seller is a “Party” and both are collectively the “Parties”) as of the date of execution last written below (the “Effective Date”). In consideration of the mutual covenants and agreements contained herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, The Parties agree as follows:

1. Sale of Goods. Seller shall sell to PWC and PWC shall purchase from Seller the following [Identify the goods specifically] (the “Goods”). PWC may issue a purchase order for the Goods that specifies any additional applicable terms and conditions set forth for the purchase (a “Purchase Order”), but such Purchase Order is subject to the terms of this Agreement. In the event of a conflict between the provisions of this Agreement and the provisions of any Contract Documents, attachment, exhibit or Purchase Order made pursuant to this Agreement, the terms of this Agreement shall govern.

2. Contract Documents. “Contract Documents” means, collectively, the following documents that were either made available to Seller by PWC during the bid solicitation process (including Drawings) or executed by the Parties, or both, which are all incorporated by reference herein:

- a. This Agreement
- b. Notice to Prospective Bidders
- c. Definitions
- d. Instructions to Bidders
- e. General Conditions
- f. Materialman’s Proposal
- g. Bid Bond
- h. Technical Specifications
- i. Purchase Order(s)
- j. Addenda

3. Delivery of Goods. Seller shall deliver the Goods [EITHER: “on or before _____” OR “as specified in the Contract Documents or an applicable Purchase Order issued by PWC” OR “as otherwise agreed in writing by the Parties”] (the “Delivery Date”). Timely delivery of the Goods is of the essence. If Seller fails to deliver the Goods on or before the Delivery Date, PWC may, without any liability to Seller, terminate this Agreement immediately by providing written notice to Seller. Unless otherwise specified in an applicable Purchase Order or the Contract Documents, excluding this Agreement, all Goods shall be delivered to PWC’s Warehouse at 955 Old Wilmington Road, Fayetteville, North Carolina 28301 (the “Delivery Point”) during PWC’s normal business hours. Delivery shall be made FOB Delivery Point.

4. Title and Risk of Loss. Title of the Goods passes to PWC upon delivery of the Goods to the Delivery Point. Seller bears all risk of loss or damage to the Goods until delivery of the Goods to the Delivery Point.

5. Packaging. Seller shall properly pack, mark, and ship the Goods as instructed by PWC and otherwise in accordance with applicable law and industry standards and shall provide PWC with all shipment documentation showing the quantity of pieces in shipment, the number of cartons or containers in shipment, Seller's name, the airway bill or bill of lading number, and the state of origin.

6. Inspection and Rejection of Nonconforming Goods. PWC has the right to inspect the Goods on or after the Delivery Date. PWC, at its sole option, may inspect all or a sample of the Goods, and may reject all or any portion of the Goods if it determines the Goods are nonconforming or defective. If PWC rejects any portion of the Goods, PWC has the right, effective upon written notice to Seller, to: (a) terminate this Agreement in its entirety and require Seller to remove the Goods in a commercially reasonable time period or pay the full cost and expense to have the rejected Goods returned to Seller; or (b) reject the Goods and require replacement of the rejected Goods at Seller's sole expense. If PWC requires replacement of the Goods, Seller shall, at its sole expense and in the lesser of ninety (90) days or the number of days between any applicable Purchase Order of PWC and the Delivery Date, replace the nonconforming Goods and pay for all related expenses, including, but not limited to, transportation charges for the return of the defective goods and the delivery of replacement Goods. Any inspection or other action by PWC under this Section shall not reduce or otherwise affect Seller's obligations under this Agreement, including Seller's warranties, and PWC shall have the right to conduct further inspections after Seller has carried out its remedial actions.

7. Price. PWC shall purchase the Goods from Seller in the total amount of \$_____ ("Price"). The Price includes all packaging, transportation costs to the Delivery Location, insurance, fees, and applicable taxes, including, but not limited to, all sales, use, or excise taxes. No increase in the Price is effective, whether due to increased material, labor, transportation costs or otherwise, without the prior written consent of PWC.

8. Billing and Payment. Seller shall invoice PWC within thirty (30) days after the completion of the delivery of the Goods. PWC shall pay the undisputed portion of the invoice within forty-five (45) calendar days after PWC's receipt of the invoice. All payments from PWC to Seller shall be transferred electronically to Seller's designated financial institution, and Seller shall, prior to delivery of its invoice to PWC, supply the name of Seller's financial institution, routing number, and account number on the form available from PWC and provide to PWC a completed and signed IRS Form W-9. Seller has the right to impose a late payment charge of one percent (1%) per month for amounts unpaid by PWC by the date due.

Provider shall comply with all of the following requirements so that PWC may recover the full amount of sales and use tax under North Carolina law permitted under the law:

- a. Furnish PWC documentary evidence showing the material used, sales tax paid, and County paid (County of sale). The documentary evidence shall include Provider's certified statement showing total purchases of materials from each separate vendor and total sales taxes charged to PWC and paid by Provider. The documentary evidence shall also include Provider's certified statement as to the amount paid by PWC for sales tax on the Goods. A certified form is required even if no sales tax was paid for the pay request period. Materials used from Provider's warehouse stock shall be shown in a

- certified statement at warehouse stock prices and amount of County of Use Tax charged to PWC and paid by Provider;
- b. Provider shall furnish to PWC invoices or copies of invoices for all materials purchased for said work within pay request period, and such invoices shall state the amount of North Carolina Sales Tax, if any, paid for the Goods. Provider shall also furnish to PWC invoices identifying the amount paid for the sales and use tax on Services that are subject to such taxation under North Carolina law; and
 - c. Provider shall not include any tax paid on supplies, tools, and equipment that Provider uses to perform its obligations under this Agreement.

9. Warranties. Seller warrants to PWC that for a period of twenty-four (24) months from the Delivery Date, all Goods will: (a) be free from any defects in workmanship, material and design; (b) conform to applicable specifications, drawings, designs, samples and other requirements set forth in the Contract Documents or as specified by PWC and agreed to by Seller; (c) be fit for their intended purpose and operate as intended; (d) be free and clear of all liens, security interests, or other encumbrances; and (e) not infringe or misappropriate any third party's patent or other intellectual property rights. These warranties survive any delivery, inspection, acceptance or payment of or for the Goods by PWC. These warranties are cumulative and in addition to any other warranty provided by law or equity. Any applicable statute of limitations runs from the date of PWC's discovery of the noncompliance of the Goods with the foregoing warranties. If PWC gives Seller notice of noncompliance with this Section 9, Seller shall, at its own cost and expense, within thirty (30) days replace or repair the defective or nonconforming Goods and pay for all related expenses, including, but not limited to, transportation charges for the return of the defective or nonconforming goods to Seller and the delivery of repaired or replacement Goods to PWC.

10. Termination. Notwithstanding any other or additional remedies that may be provided under this Agreement, PWC may terminate this Agreement with immediate effect upon written notice to the Seller, either before or after the acceptance of the Goods, if: (a) Seller repudiates, or threatens to repudiate, any of its obligations under this Agreement; (b) Seller is in breach of, or threatens to breach, any representation, warranty, or covenant of Seller under this Agreement and either the breach cannot be cured or, if the breach can be cured, it is not cured by Seller within a commercially reasonable period of time under the circumstances, in no case exceeding seven (7) days following Seller's receipt of Notice of such breach; (c) Seller fails to, or threatens to fail to, timely deliver Goods conforming to the requirements of, and otherwise in accordance with, the terms and conditions of this Agreement; or (d) Seller becomes insolvent, files a petition for bankruptcy, or commences or has commenced against it proceedings relating to bankruptcy, receivership, reorganization, or assignment for the benefit of creditors. PWC shall be obligated to pay Seller only for work performed and reasonable expenses incurred until delivery of the notice of termination.

11. Insurance. During the term of this Agreement and for a period of three (3) years after the date of this Agreement, Seller shall, at its own expense, maintain and carry insurance in full force and effect that includes, but is not limited to, commercial general liability (including product liability) with limits no less than \$1,000,000 for each occurrence and \$3,000,000 in the aggregate and umbrella liability in a sum no less than \$5,000,000, which insurance shall be placed with insurance companies authorized to do business in the State of North Carolina and rated A minus VII or better by the current edition of Best's Key Rating Guide or otherwise approved in writing by PWC. Prior to delivering any Goods, Seller shall deliver to PWC

certificates of insurance confirming each such coverage, and Seller shall direct its insurers to provide annually to PWC certificates confirming each such coverage during the coverage period. PWC shall be named as an additional insured in the insurance policy. Seller shall not reduce or allow the required insurance coverages to lapse without PWC's prior written approval. All policies for insurance must be endorsed to contain a provision giving PWC a thirty (30) calendar day prior written notice by certified mail of any cancellation of that policy or material reduction in coverage. Should a notice of cancellation be issued for non-payment of premiums or any part thereof, or should Seller fail to provide and maintain certificates as set forth herein, PWC shall have the right, but not the obligation, to pay such premium to the insurance company or to obtain such coverage and to deduct such payment from any sums that may be due or become due to Seller, or to seek reimbursement for said payments from Seller. Any such sums paid by PWC shall be due and payable immediately by Seller upon notice from PWC. The insurance provisions of this Agreement shall not be construed as a limitation on Seller's responsibilities and liabilities pursuant to the terms and conditions of this Agreement.

12. Indemnification. Seller shall indemnify, defend, and hold harmless PWC and its Commissioners, officers, employees, agents, and representatives (collectively, "Indemnitees") from and against all claims, actions, liabilities, damages, losses, costs, and expenses (including, without limitation, injury to or death of any persons and damage to property, economic and consequential damages and attorneys' fees) asserted by one or more third parties against one or more of the Indemnitees arising out of negligent or willful acts, violations of law, infringement of any patent, trademark, trade secret, copyright, or other intellectual property right of a third party, or omissions or breach of the obligations set forth in this Agreement by Seller or any of its employees, agents, representatives, and subcontractors. Seller's obligation to indemnify, defend, and hold harmless the Indemnitees shall survive the termination of this Agreement and shall include the duty to pay for the reasonable attorney's fees and costs associated with defending the Indemnitee(s) by the legal counsel of each Indemnitee's choice.

13. Notices. Any notice which either Party is required or desires to give the other shall be deemed sufficiently given if, in writing, it is delivered personally, or sent by certified U.S. mail, return-receipt requested, postage prepaid, to the addresses listed hereinbelow, or such other address as either Party shall give to the other Party by written notice in accordance herewith. Any notice given herein by personal delivery shall be deemed delivered when received. Any properly addressed notice given herein by certified mail shall be deemed delivered on the third Business Day after the same is deposited in an official United States Post Office, postage prepaid, or if sooner upon the date when the return receipt therefor is signed, or refusal to accept the mailing by the addressee is noted thereon by the postal authorities.

To PWC:
Fayetteville Public Works Commission
Attn: Timothy Bryant, CEO/General Manager
PO Box 1089
Fayetteville, NC 28302

To Seller:
[INSERT MAILING ADDRESS]

14. Compliance. Seller hereby acknowledges that "E-Verify" is the federal E-Verify program operated by the US Department of Homeland Security and other federal agencies which is used to verify the work authorization of newly hired employees pursuant to federal law

and in accordance with Article 2, Chapter 64 of the North Carolina General Statutes. Seller further acknowledges that all employers, as defined by Article 2, Chapter 64 of the North Carolina General Statutes, must use E-Verify and after hiring an employee to work in the United States, shall verify the work authorization of the employee through E-Verify in accordance with NCGS §64-26(a). Seller hereby pledges, attests, and warrants through execution of this Agreement that Seller complies with the requirements of Article 2, Chapter 64 of the North Carolina General Statutes and further pledges, attests, and warrants that all subcontractors currently employed by or subsequently hired by Seller to provide services for PWC shall comply with all E-Verify requirements. Failure to comply with the above requirements shall be considered a breach of this Agreement. Seller hereby further acknowledges that the execution and delivery of this Agreement constitutes Seller's certification to PWC and to the North Carolina State Treasurer that, as of the Effective Date, Seller is not listed on (a) the Final Divestment List created and maintained by the North Carolina Department of State Treasurer pursuant to the Iran Divestment Act of 2015, Chapter 147, Article 6E of the General Statutes of North Carolina (the "Iran Divestment Act"); or (b) the list of companies that the North Carolina State Treasurer determines to be engaged in a boycott of Israel in accordance with Article 6G of Chapter 147 of the General Statutes of North Carolina. Seller represents and warrants to Commission that Seller, and all persons and entities owning (directly or indirectly) an ownership interest in it: (i) are not, and will not become, a person or entity with whom a party is restricted from doing business with under regulations of the Office of Foreign Asset Control ("OFAC") of the Department of the Treasury (including, but not limited to, those named on OFAC's Specially Designated and Blocked Persons list) or under any statute, executive order (including, but not limited to, the September 24, 2001, Executive Order 13224 Blocking Property and Prohibiting Transactions with Persons Who Commit, Threaten to Commit, or Support Terrorism), or other governmental action; and (ii) are not knowingly engaged in, and will not knowingly engage in, any dealings or transactions or be otherwise associated with such persons or entities described in clause (i) above. Seller also shall at all times during the term of this Agreement comply with Executive Order 11246, including but not limited to the Equal Opportunity Clause requirements set forth in 41 C.F.R. § 60-1.4. Seller shall abide by the requirements of 41 CFR 60-300.5(a) and 60-741.5(a) prohibiting discrimination against qualified individuals on the basis of protected veteran status or disability and requiring affirmative action by covered prime contractors and subcontractors to employ and advance in employment qualified protected veterans and individuals with disabilities.

15. Cumulative Remedies. All rights and remedies provided in this Agreement are cumulative and not exclusive, and the exercise by either Party of any right or remedy does not preclude the exercise of any other rights or remedies that may now or subsequently be available at law or in equity.

16. Miscellaneous Provisions. Seller is and shall remain an independent contractor. Nothing contained in this Agreement shall be deemed or construed to create the relationship of principal and agent or of partnership or of joint venture or of any association whatsoever between the Parties. No breach or non-performance of any term of this Agreement shall be deemed to be waived by either Party unless said breach or non-performance is waived in writing and signed by the Parties. No waiver of any breach or non-performance under this Agreement shall be deemed to constitute a waiver of any subsequent breach or non-performance, and for any such breach or non-performance each Party shall be entitled to such remedies as provided by law. No consent or waiver by a Party shall be effective unless it is in writing and then only to the extent specifically stated. The invalidity, illegality, or un-enforceability of any portion or provision of this Agreement shall in no way affect the validity, legality, and/or enforceability of

any other portion or provision of this Agreement. Any invalid, illegal, or unenforceable provision of this Agreement shall be deemed severed from this Agreement, and the balance of the Agreement shall be construed and enforced the same as if the Agreement had not contained any portion or provision which was invalid, illegal, or unenforceable; provided, however, severability shall not prevent this entire Agreement from being void in the event any portion or provision of this Agreement that is of the essence of this Agreement shall be void. This is the entire agreement of the Parties on the subject matter hereof, and all prior negotiations, representations, proposals, letters, agreements, understandings, or other communications between the Parties, whether written or oral, are hereby merged into the Agreement and superseded by this Agreement. This Agreement shall not be modified unless such modifications are evidenced in writing, signed by both Parties. Nothing herein shall be construed to give any right or benefits hereunder to anyone other than the Parties. This Agreement shall be governed by the laws of the State of North Carolina without the application of the laws of any other state. The exclusive venue for all mediations and litigation and any other legal proceedings regarding this Agreement shall be the State and Federal Courts serving Cumberland County, North Carolina, and Seller consents to personal jurisdiction in such courts. Seller irrevocably waives, to the fullest extent permitted by law, any objection that it may now or hereafter have to the laying of the venue of any such suit, action or proceeding in any such court serving Cumberland County or that any such suit, action or proceeding brought in any such court serving Cumberland County has been brought in an inconvenient forum. This Agreement may be executed in counterparts with the same effect as if the signatures to each counterpart were upon a single instrument, and all such counterparts together shall be deemed an original of this Agreement. For purposes of this Agreement, a facsimile copy or scanned copy or photocopy of a party's signature shall be sufficient to bind such party. This Agreement shall be subject to execution by electronic means in accordance with Article 40 of Chapter 66 of the North Carolina General Statutes. The titles of the paragraphs throughout this Agreement are for convenience only and the words contained therein shall in no way be held to explain, modify, amplify, or aid in the interpretation, construction, or meaning of the provisions of this instrument.

17. Conflicts. Except with PWC's knowledge and prior written consent, the Seller shall not engage in any activity or accept any employment, interest or contribution that would reasonably appear to compromise the Seller's professional judgment with respect to the Goods. The Seller shall disclose to PWC any business or personal relationship with any Commissioner, officer, director, manager, or supervisor of PWC.

IN WITNESS WHEREOF, the Parties have executed this Agreement by their duly authorized representatives as of the Effective Date.

Fayetteville Public Works Commission

[INSERT SELLER'S FULL LEGAL NAME]

By: _____
Timothy Bryant, CEO/General Manager

By: _____
_____, _____
(Printed Name) (Title)

Date: _____

Date: _____

This instrument has been preaudited in the manner required by the Local Government Budget and Fiscal Control Act (N.C. Gen. Stat. § 159-1 et seq.).

By: _____
Rhonda Haskins, Chief Financial Officer

Approved as to form:

Legal Dept.

SAMPLE

**FAYETTEVILLE PUBLIC WORKS COMMISSION'S
MWDBE COMPLIANCE PROVISIONS**

APPLICATION:

The requirements of Fayetteville Public Works Commission (PWC) Minority, Women, and Disadvantaged Business Enterprise (MWDBE) Program for participation specific contracts are hereby made part of the Contract Documents. Copies of the Program may be obtained from:

Fayetteville Public Works Commission
Economic Inclusion Programs
P.O. Box 1089
Fayetteville, North Carolina 28302
Phone (910) 223-4016 Fax (910) 483-1429
E-mail: EIProgram@faypwc.com

NCDOT DBE Directory: www.ebs.nc.gov/VendorDirectory

HUB Directory: <https://ncadmin.nc.gov/businesses/hub>

MWDBE Compliance Requirements:

1. The Bidder shall provide, with their Bid Form, at the time bids are due, the documents set forth below, properly executed. Returning executed copies indicates and establishes that the Bidder understands and agrees to any incorporated MWDBE contract provisions.
2. All Bidders must provide with their Bid Form, at the time bids are due, a properly completed and executed copy of **either:**
 - Affidavit A – Listing of Good-Faith Efforts **OR**
 - *Affidavit B – Intent to Self-Perform with Own Workforce.

*Affidavit B should **only** be used if the Contractor will perform **ALL Elements** of the Work on this project with their own forces **AND** will complete **ALL Elements** of this project **WITHOUT** the use of subcontractors, material suppliers, or providers of professional services.
3. Upon being identified as the apparent lowest responsive, responsible Bidder, a Bidder shall, within twenty-four (24) hours of PWC's notification provide a properly completed and executed copy of **either:**
 - Affidavit C – Percentage of MWDBE Participation **OR**
 - Affidavit D – Good-Faith Efforts.
4. All Bidders must provide with their Bid Form, at the time bids are due, a properly completed and executed copy of Affidavit E- Identification of MWDBE/Local Participation Form

All written statements, certifications, or intentions made by the Bidder shall become a part of the agreement between the Contractor and Fayetteville Public Works Commission for performance of this contract.

SUBCONTRACTOR PAYMENT REQUIREMENTS:

North Carolina General Statutes 143-134.1 (N.C.G.S.) states that the percentage of retainage on payments made by the prime contractor to the subcontractor shall not exceed the percentage of retainage on payments made by the Fayetteville Public Works Commission to the prime contractor. Failure to comply with this provision shall be considered a breach of the contract, and the contract may be terminated in accordance with the termination provisions of the contract.

The Contractor shall provide an itemized statement of payments to each MWDBE subcontractor before final payment is processed.

The Contractor shall provide an itemized statement of payments to each NON-MWDBE subcontractor before final payment is processed.

Contractor

Signature

Printed Name

Title

Date

Affidavit A: Listing of the Good Faith Efforts

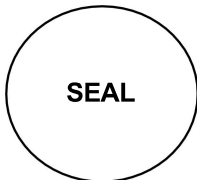
Affidavit of _____
 (Name of Bidder)

I have made a good faith effort to comply under the following areas checked:

<i>Total Available GFE Points: 155</i>		<i>Minimum Number GFE Points Required: 50</i>
Points		
10	Contacting minority businesses that reasonably could have been expected to submit a quote and that were known to the contractor or available on State or local government-maintained lists at least 10 days before the bid or proposal date and notifying them of the nature and scope of the work to be performed.	
10	Making the construction plans, specifications and requirements available for review by prospective minority businesses or providing these documents to them at least 10 days before the bid or proposals are due.	
15	Breaking down or combining elements of work into economically feasible units to facilitate minority participation.	
10	Working with minority trade, community, or contractor organizations identified by the Office for Historically Underutilized Businesses and included in the bid documents that provide assistance in recruitment of minority businesses.	
10	Attending any pre-bid meetings scheduled by the public owner.	
20	Providing assistance in getting required bonding or insurance or providing alternatives to bonding or insurance for subcontractors.	
15	Negotiating in good faith with interested minority businesses and not rejecting them as unqualified without sound reasons based on their capabilities. Any rejection of a minority business based on lack of qualification should have the reasons documented in writing.	
25	Providing assistance to an otherwise qualified minority business in need of equipment, loan capital, lines of credit, or joint pay agreements to secure loans, supplies, or letters of credit, including waiving credit that is ordinarily required. Assisting minority businesses in obtaining the same unit pricing with the bidder's suppliers in order to help minority businesses in establishing credit.	
20	Negotiating joint venture and partnership arrangements with minority businesses in order to increase opportunities for minority business participation on a public construction or repair project when possible.	
20	Providing quick pay agreements and policies to enable minority contractors and suppliers to meet cash-flow demands.	
Total GFE Points (Claimed by Bidder):		Total GFE Points (Assessed by PWC):

In accordance with NCGS 143-128.2(d) the undersigned will enter into a formal agreement with the firms listed in the Identification of Small Disadvantaged Business Participation schedule conditional upon execution of a contract with the Owner. Failure to abide by any applicable statutory provision may constitute a breach of the contract. The undersigned hereby certifies that he or she has read the terms of the MWDBE business commitment and is authorized to bind the Bidder to the commitment herein set forth.

Date: _____ Name of Authorized Officer: _____



State of North Carolina, County of _____

Subscribed and sworn to before me this _____ day of 20__

Notary Public _____

My commission expires _____

Affidavit B: Intent to Perform Contract with Own Workforce

Affidavit of _____
(Name of Bidder)

I hereby certify that it is our intent to perform 100% of the work required for contract:

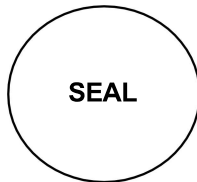
(Name of Project)

In making this certification, the Bidder states that the Bidder does not customarily subcontract elements of this type project, and normally performs and has the capability to perform and will perform **all elements of the work** on this project with his/her own current workforces; and will complete all elements of this project **without** the use of subcontractors, material suppliers, or providers of professional services.

The Bidder agrees to provide any additional information or documentation requested by the Owner in support of the above statement.

The undersigned hereby certifies that he or she has read this certification and is authorized to bind the Bidder to the commitments herein contained.

Date: _____ Name of Authorized Officer: _____



State of North Carolina, County of _____

Subscribed and sworn to before me this _____ day of 20__

Notary Public _____

My commission expires _____

Affidavit C: Percentage of MWDBE Participation

Affidavit of _____
(Name of Bidder)

I hereby certify that on contract: _____
(Name of Project)

\$ _____
(Dollar Amount of Total Bid)

I will expend a minimum of _____% of the total dollar amount of the contract with Minority, Women, and Disadvantaged Business Enterprises (MWDBE). MWDBEs will be employed as subcontractors, vendors, or providers of professional services. Such work will be subcontracted to the following firms listed below.

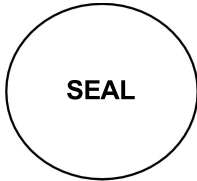
<u>Name, Address, & Phone No.</u>	<u>*MWDBE Category</u>	<u>NAICS</u>	<u>Dollar Value</u>	<u>% of Contract</u>

*MWDBE categories: Black-African Americans (B), Hispanic-Americans (H), Asian- Americans (A), Native-Americans (I), Women (F), Socially/Economically Disadvantaged (D)

Pursuant to NCGS 143-128.2(d), the undersigned will enter into a formal agreement with MWDBEs for work listed in this schedule conditional upon execution of a contract with the Owner. Failure to fulfill this commitment may constitute a breach of the contract.

The undersigned hereby certifies that he or she has read the terms of this commitment and is authorized to bind the Bidder to the commitment herein set forth.

Date: _____ Name of Authorized Officer: _____



State of North Carolina, County of _____
Subscribed and sworn to before me this _____ day of 20____
Notary Public _____
My commission expires _____

Affidavit D: Good Faith Efforts

If Owner determines using reasonable discretion that Affidavit C is insufficient, Bidder agrees to provide the following information regarding any good-faith efforts.

<u>Name, Address, & Phone No.</u>	<u>*MWDBE Category</u>	<u>NAICS</u>	<u>Dollar Value</u>

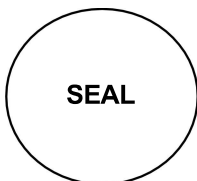
*MWDBE categories: Black-African Americans (B), Hispanic-Americans (H), Asian- Americans (A), Native-Americans (I), Women (F), Socially/Economically Disadvantaged (D)

Bidder may be requested to provide documentation of the Bidder’s good-faith efforts. Examples of documentation may include the following:

- a. Copies of solicitations for quotes to MWDBEs. Each solicitation may include a specific description of the work to be subcontracted, location where bid documents can be reviewed, representative of the Prime Bidder to contact, and location, date and time when quotes must be received.
- b. Copies of quotes or responses received from each firm responding to the solicitation.
- c. A telephone log of follow-up calls to each firm sent a solicitation.
- d. For subcontracts where a MWDBE is not considered the lowest responsible sub- bidder, copies of quotes received from all firms submitting quotes for that particular subcontract.
- e. Documentation of any contacts or correspondence to MWDBE, community or contractor organizations in an attempt to meet the goal.
- f. Copy of pre-bid roster.
- g. Letter documenting efforts to provide assistance in obtaining required bonding or insurance for MWDBEs.
- h. Letter detailing reasons for rejection of a MWDBE due to lack of qualification.
- i. Letter documenting proposed assistance offered to MWDBEs in need of equipment, loan capital, lines of credit, or joint pay agreements to secure loans, supplies, or letter of credit, including waiving credit that is ordinarily required.

Failure to provide the documentation as listed in these provisions may result in rejection of the bid and award to the next lowest responsible and responsive Bidder.

Date: _____ Name of Authorized Officer: _____



State of North Carolina, County of _____
 Subscribed and sworn to before me this _____ day of 20____
 Notary Public _____
 My commission expires _____

Affidavit E: Identification of MWDBE/Local Participation

(Name of Bidder)

I hereby certify that on contract: _____

(Name of Project)

We will use the following Minority, Women, and Disadvantaged Business Enterprises (MWDBE), and Local (Cumberland, Hoke, Harnett County) as construction subcontractors, vendors, suppliers, or providers of professional services.

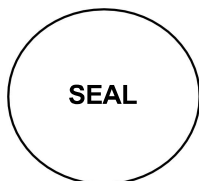
<u>Name, Address, & Phone No.</u>	<u>*MWDBE Category / **Local</u>	<u>NAICS</u>	<u>Dollar Value</u>

*MWDBE categories: Black-African Americans (B), Hispanic-Americans (H), Asian- Americans (A), Native-Americans (I), Women (F), Socially/Economically Disadvantaged (D)

**Local: Fayetteville Metropolitan Statistical Area (MSA) comprising of Cumberland County, Hoke County, and Harnett County. PWC is requesting this information for reporting purposes only, and use of local entities will not be considered for compliance with the requirements of the MWDBE Program.

The total value of MWDBE/local business contracting will be \$ _____

Date: _____ Name of Authorized Officer: _____



State of North Carolina, County of _____

Subscribed and sworn to before me this _____ day of 20__

Notary Public _____

My commission expires _____

**FAYETTEVILLE PUBLIC WORKS COMMISSION
MWDBE ADD / CHANGE FORM**

If a MWDBE subcontractor fails to complete work under the subcontract for any reason, the recipient must require the prime contractor to employ the good faith efforts set forth in the MWDBE Program if soliciting a replacement or additional subcontractor.

For MWDBE Change Request, please provide all information below:

Prime Contractor: _____

Subcontracted Work: _____

Previous Subcontractor: _____

Reason this for change request:

New Subcontractor: _____ MWDBE Category: _____

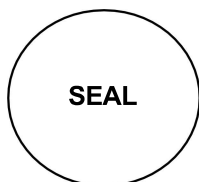
To Add MWDBE Subcontractor/Subcontracted work:

If this is a new trade being subcontracted or a subcontractor that was not documented in the original Project Bid Information submittal, then good faith efforts to solicit a MWDBE must be documented, as the original MWDBE instructions indicate. Please provide all good faith efforts below showing all the MWDBE firms contacted to perform this work along with any additional good faith efforts or evidence that there are not reasonably available firms in the work area. PWC's MWDBE Program requires that good faith efforts are to be carried out to the fullest extent practicable. If solicitations were not carried out due to being impracticable, please attach this explanation to this form.

Name, Address, & Contact Information	MBE or WBE and Certifying agency	How was this firm contacted (email, letter, or Phone) and what was the result of the solicitation? *

*Must submit copies of emails or letters. If phone calls were made this sheet can serve as documentation of calls

Date: _____ Name of Authorized Officer: _____



State of North Carolina, County of _____
 Subscribed and sworn to before me this _____ day of 20____
 Notary Public _____
 My commission expires _____

SMALL LOCAL SUPPLIER / MWDBE SUBCONTRACTOR DISCLOSURE FORM

Contractor: _____
 Address & Phone: _____
 Project: _____
 Name: _____
 Pay Application # _____

Please complete the below form by providing the necessary information for the payments made to each subcontractor, vendor, or supplier for the work associated with the identified pay application. This form must be fully completed and attached to each pay application.

Firm Name, Address, and Contact Information	Payment Amount	Type of Work/Commodity (Include NAICS Code)

Signature

Printed Name

Title

Date
