

WADE R. FOWLER, JR., COMMISSIONER
EVELYN O. SHAW, COMMISSIONER
RONNA ROWE GARRETT, COMMISSIONER
DONALD L. PORTER, COMMISSIONER
ELAINA L. BALL, CEO/GENERAL MANAGER



FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302-1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

March 22, 2022

TO: Prospective Bidders
FROM: Shelby Lesane, Procurement Advisor
SUBJECT: Invitation to Bid

PWC2122042 MISCELLANEOUS ELECTRIC INVENTORY

In accordance with North Carolina General Statutes (N.C.G.S.) §143-129, Fayetteville Public Works Commission (PWC) will receive bids until **3:00 p.m. April 7, 2022**, by the entrance doors of the PWC Administration Building, located at 955 Old Wilmington Road, Fayetteville, NC 28301, at which time all bids properly received will be publicly opened and read for the purchase of the following: Miscellaneous Electric Inventory.

Enclosed please find the Instructions to Bidders, Material Specifications, and Bid Proposal forms. Proposals 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 proposal forms and any other information specified in the bid documents.

Bids may be delivered in person or by express mail to the Fayetteville Public Works Commission, Procurement Department, Attn: Shelby Lesane, 955 Old Wilmington Road, Fayetteville, NC, or may be mailed to Fayetteville Public Works Commission, Attn: Shelby Lesane, P.O. Box 1089, Fayetteville, NC 28302. Bids received after the stated date and time will not be considered by PWC.

Questions regarding this bid must be submitted in writing to the attention of Shelby Lesane, Procurement Advisor at shelby.lesane@faypwc.com later than **5:00 p.m., March 31, 2022**, in order to be considered for response.

INSTRUCTIONS TO BIDDERS

PWC2122042 MISCELLANEOUS ELECTRIC INVENTORY

1. Bids shall be received no later than **3:00 p.m., April 7, 2022**, for miscellaneous electric inventory items (see included Material Specifications and quantity requirements). The bids will be publicly opened and read aloud outside of the entrance doors of the PWC Administration Building located at 955 Old Wilmington Road, Fayetteville, North Carolina, 28301. Late bids will not be considered and will be returned to the Bidder unopened.
2. Bids will be examined promptly after opening and an award will be made at the earliest possible date. All submitted bids must be held firm by the bidder for acceptance by PWC for a period of ninety (90) days after bid opening date. Such time is necessary to conduct bid evaluations and schedule PWC Board and Fayetteville City Council Approvals A purchase order will be issued to the awarded bidder.
3. Bidders shall submit bids only on the Bid Proposal form provided herein, or exact copies thereof (See Exhibit A). Failure to provide full and complete Bid Proposal Forms may result in a bid being deemed non-responsive.
4. Bids shall be submitted in a sealed opaque envelope providing the bid title, date and time of opening on the front of the envelope. Bids may be sent via US Mail to PWC, Attn: Shelby Lesane, Procurement Advisor, P.O. Box 1089, Fayetteville, NC 28302, or may be delivered in person or by express mail to PWC, Attn: Shelby Lesane, Procurement Advisor, 955 Old Wilmington Road, Fayetteville, NC 28301.
5. All questions regarding this Invitation to Bid shall be submitted in writing to Shelby Lesane, Procurement Advisor, by fax at (910) 483-1429 or e-mail to shelby.lesane@faypwc.com, no later than **5:00 p.m., March 31, 2022**.
6. Bidders are expressly prohibited from contacting any PWC official or employee associated with this Invitation to Bid, **except as noted above**. Violation of this prohibition is grounds for the immediate disqualification of the bidder.
7. 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.
8. Do not submit alternate bids unless specifically called for on the bid proposal form.
9. Delivery of the purchased goods shall be F.O.B. PWC Warehouse Facility, 1097 Public Works Drive, Fayetteville, NC 28301 (the "Delivery Point"). Title of 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.

10. The Invitation to Bid, Material Specifications, Bid Proposal Forms, and these Instructions to Bidders are referred to herein as the “bid documents.” By submitting a bid, a bidder acknowledges and agrees to be bound by the terms and conditions set forth in the bid documents.

11. Any changes or clarifications to the Material Specifications or other bid documents made by PWC will be issued in writing by PWC in the form of an addendum. No verbal changes or clarifications will be binding upon the PWC.

12. For purposes of evaluation of the bids, all bidders are instructed to submit their proposal in the unit of measurement requested. PWC reserves the right to accept or reject bids submitted in any other form, unit of measurement, or quantity. Additionally, no changes, additions, or deletions will be allowed after the bid is opened.

13. 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, reference list showing companies currently utilizing the proposed equipment, etc.

14. Contract award shall be made to the lowest, responsive, responsible bidder(s). PWC reserves the right to award contract(s) or purchase order(s) in the best interest of PWC. PWC also reserves the right to reject any or all bids and to waive all informalities concerning bid. 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, delivery time to PWC, and conformity with the Material Specifications in these bid documents. PWC may also consider, among other considerations, the bidder's past performance conduct on other contracts, and other information as PWC deems necessary to assist in the evaluation of any bid. The right is reserved to reject any or all bids and to waive any and all informalities

15. The bidder’s bid as opened and evaluated, the bid documents, and any purchase orders issued by PWC pursuant to the Invitation is advertisement for Bid shall constitute the contract (“Agreement”) between the awarded bidder and PWC. The awarded bidder is also referred to throughout the bid documents as the “Supplier.” In the event of a conflict between the provisions of a bidder’s bid and the provisions of the bid documents, the terms of the bid documents shall govern.

16. Pricing shall remain firm for the quantities ordered. PWC reserves the right immediately terminate the contract or cancel a portion of an order for a specific item should the awarded bidder fail to maintain bid pricing, comply with delivery requirements and protocol, necessary safety requirements, or provide a product that does not meet the Material Specifications. Any unapproved price change shall also be grounds for termination.

17. Payment for any purchase made pursuant to the awarded bid shall be due from PWC to Supplier approximately thirty days (30) after delivery of the goods to PWC at the Delivery Point consistent with the terms set forth in the bid documents and after inspection and acceptance by PWC. Supplier shall ensure delivery of goods that comply with all of PWC’s specifications. If the delivered goods fail to comply with all of PWC’s Material Specifications, are damaged, or

otherwise defective, Supplier shall promptly upon PWC's request and, at Supplier's sole cost, replace the non-compliant goods with compliant goods. PWC reserves all rights and remedies available under North Carolina law and the applicable provisions of the Uniform Commercial Code set forth in the N.C.G.S.

18. Termination for Cause: The occurrence of any one or more of the following events will justify termination for cause:

- a. Supplier's disregard of any applicable laws or regulations of any public body having jurisdiction over PWC.
- b. Supplier's disregard of the authority of PWC; or
- c. Supplier's violation in any substantial way of any provisions of the terms and conditions set forth herein.

Supplier shall not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

19. Termination for Convenience: PWC may terminate the parties' Agreement for PWC's convenience without further liability upon thirty (30) days prior written notice to Supplier, and PWC shall be obligated to pay Supplier for the materials ordered and delivered before expiration of the notice period.

20. The Supplier shall not assign any of its right, duties or obligations hereunder, or subcontract any of the obligations to performed hereunder, without the prior written consent of PWC.

21. Supplier 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 the parties' agreement by Supplier or any of its employees, agents, representatives, and subcontractors. Supplier's obligation to indemnify, defend, ad hold harmless the Indemnitees shall survive the termination of the parties' 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.

22. The parties' 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 the parties' agreement shall be the State and Federal Courts serving Cumberland County, North Carolina, and Supplier consents to personal jurisdiction in such courts. Supplier irrevocably waives, to the fullest extent permitted by law, and 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.

23. Compliance: Supplier 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. Supplier 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 N.C.G.S. §64-26(a). Supplier hereby pledges, attests and warrants through execution of the agreement that Supplier 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 Supplier shall comply with all E-Verify requirements. Failure to comply with the above requirements shall be considered a breach of the agreement. Supplier hereby further acknowledges that the execution and delivery of the agreement constitutes Supplier’s certification to PWC and to the North Carolina State Treasurer that, as of the date of the agreement, Supplier 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. Supplier represents and warrants to PWC that Supplier, 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. Supplier also shall at all times during the term of the 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. Supplier 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.

24. PWC has an equal opportunity purchasing policy. PWC seeks to ensure that all segments of the business community have access to supplying the goods and services needed by PWC. PWC encourages utilization of small and minority business enterprises in its procurement. PWC provides opportunities for all businesses and does not discriminate regardless of race, color, religion, age, national origin or disability.

25. Insurance: Supplier shall maintain during the duration of the Agreement and for at least three (3) years thereafter commercial general liability insurance with a combined single limit of liability of not less than \$1,000,000 for each occurrence of bodily injury and/or property damage and an annual aggregate of liability of not less than \$2,000,000 for bodily injury and/or property damage, and annual aggregate of liability of not less than \$2,000,000 and shall provide PWC upon request with a certificate of insurance confirming such coverage, and Supplier shall direct its insurers to provide to PWC annually certificates confirming such coverage during the coverage period.

26. As North Carolina and the nation continues to deal with COVID 19 pandemic, we must all take necessary steps to ensure the health and safety of employees, coworkers, family, friends, associates and people that we come in contact with on a daily basis. At PWC we implemented measures including requiring our employees to conduct temperature and wellness checks, wear a face covering or mask, whenever possible, maintain proper distancing (minimum of 6 feet) and take other actions such as washing their hands, using approved sanitizer and wiping down surfaces, especially commonly shared equipment or tools. This applies to employees working in our facilities, working in public or at filed sites. For firms who are under contract with PWC or working under purchase orders, those firms are expected to comply with all OSHA/EPA guidelines, CDC recommendations including and applicable North Carolina Executive Orders regarding the performance of work under COVID 19 conditions. Examples of such guidance can be found at the following:

OSHA COVID-19

Overview <https://www.osha.gov/SLTC/covid-19/>

OSHA COVID-19 – Control and Prevention / Construction Work

[https://www.osha.gov/SLTC/covid19/construction.html#:~:text=Keep%20in%2Dperson%20meetings%20\(including,Fill%20hand%20sanitizer%20dispensers%20regularly.](https://www.osha.gov/SLTC/covid19/construction.html#:~:text=Keep%20in%2Dperson%20meetings%20(including,Fill%20hand%20sanitizer%20dispensers%20regularly.)
<https://www.osha.gov/Publications/OSHA4000.pdf>

North Carolina COVID-19 Executive Orders

<https://www.nc.gov/covid-19/covid-19-executive-orders>

Center for Disease Control

<https://www.cdc.gov/coronavirus/2019-ncov/index.html>

Implementing Safety Practices for Critical Infrastructure Workers

<https://www.cdc.gov/coronavirus/2019-ncov/community/critical-workers/implementingsafety-practices.html>

Essential Staff- Do's & Don'ts

https://www.cdc.gov/coronavirus/2019-ncov/downloads/EssentialCriticalWorkers_DosandDonts.pdf

NC Licensing Board for General Contractors

<https://www.nclbgc.org/2020/07/02/board-buzz-summer/>

NC Association of General Contractors

<https://www.cagc.org/CAGC/SafetyHR/CAGC/Safety/SafelyHomeInitiative.aspx?hke=e3439388-0c36-4755-91bd-4c8fc6d22a41>

NC Department of Health and Human Services

<https://covid19.ncdhhs.gov/>

Cumberland County Health Department

<https://www.co.cumberland.nc.us/departments/public-health-group/public-health>

Department of Homeland Security

<https://www.ready.gov/pandemic>

Cape Fear Valley- What to do if you have COVID symptoms

https://www.youtube.com/watch?time_continue=1&v=tD0D7Apa_vw&feature=emb_logo

FAYPWC COVID Response

<https://www.faypwc.com/covid-19-update/>

Small Business Administration

<https://www.sba.gov/page/coronavirus-covid-19-small-business-guidance-loan-resources>

Public Works Commission
Fayetteville, NC
Electric Systems Division
Material Specification

1-030-825

Revision Date: March 31, 2020
Revised By: Glenn Andersen

INSERT, EXT, LOAD-BREAK BUSHING, 200A, 25 kV

Description:

Extra long type 25 kV loadbreak bushing insert. Insert will be suitable to be installed by hand tightening onto mating stud in the bushing well of de-energized dead-front equipment. Insert, when properly installed and used with complementary elbow connectors or bushing plugs, will be dead-front construction. All conducting parts of the insert shall be copper.

Loadbreak bushing insert shall have vents in the housing to minimize the possibility of partial vacuum discharge when breaking load while removing the elbow when energized.

Performance Standards:

Rated Continuous Current: 200 amperes
Complete unit will comply with ANSI/IEEE 386-2016
Rated Maximum Voltage: 26.3Y/15.2 kV
AC Withstand: 40 kV for 1 minute
Basic Impulse Level: 125 kV
Minimum Corona Level: 19 kV

Delivery Standards:

Inserts will be shipped in individual packages containing the insert with protective cap, silicone lubricant, and installation data sheet.

Types Accepted:

Manufacturer
ELASTIMOLD

Product
2701EA4

Note: Catalog/Series information is shown for reference use only. Supplier is responsible for conforming to specifications as stated.

Specification reviewed by: _____

Public Works Commission
Fayetteville, NC
Electric Systems Division
Material Specification

1-110-015

Revision Date: March 13, 2019
Revised By: Glenn Andersen

ELBOW, 25 kV 200 A LB, 1/0 AL

Description:

Molded EPDM rubber, 200-amp class, 25 kV, rod-and-bore, loadbreak elbow connector with reinforced stainless steel hotstick eye and capacitively-coupled test point in complete compliance with ANSI/IEEE 386; Molded EPDM shield covering insulation body in conformance to IEEE 592; field replaceable, tin-plated, pilot lead-threaded copper probe/follower assembly; long-barrel, bimetallic, Class "A," circumferential-die type, compression lug connector (per ANSI C119.4) to accept #1/0 AWG solid primary conductor. Cable entrance/stress relief area to accommodate #1/0 AWG solid primary conductor insulated with 260 Mils of EPR insulation (0.905" nominal OD).

The elbow shall provide increased creepage distance via an insulated sleeve around the top of the copper probe and a layer of EPDM rubber over the conductive internal insert of the elbow.

Performance Standards:

Design Tests:

Single fault closing of 10,000 Amps Symmetrical per IEEE 386
Short time rating: 10,000 Amps for 10 cycles
Load Make/Break: minimum 10 cycles @ 200 Amps; 80% P.F.
Rated Maximum Voltage: 15.2Y26.3 kV
Current Rating: 200 Amps continuous (probe & connector tip)
Current Rating: 161 Amps continuous (connector body)
Basic Impulse Level: 125 kV (1.2 X 50 microsecond wave)

Production Tests:

Corona Extinction Level: 19 kV (3 Pico Coulomb threshold)
One Minute 60 Hz AC Withstand Level: 40 kV

Delivery Standards:

Deliver in individually marked packages with probe, connector, lubricant, probe installation tool and installation instructions. Elbows will be permanently marked with manufacturer's name and year of manufacture.

Types Accepted:

Manufacturer
COOPER

Product
PLE225CC05T

Note: Catalog numbers are shown for reference use only. Supplier is responsible for conforming to specifications as stated.

Specification reviewed by: _____

ELECTRIC SYSTEMS DIVISION
Material Specification

1-115-038

Revision Date: May 17, 2018
Revised By: Glenn Andersen

PEDESTAL, SECONDARY, POLYMER

Description:

A 14" X 18" X 32" polymer composite stake-less flared-bottom secondary pedestal with 3 – 500 MCM secondary connectors rated up to 600 Volts. Pedestal will feature lift-off top, a gel-coated UV-stabilized Munsel green finish, and a penta-head locking bolt with padlockable mechanism. Top of pedestal shall have in 1 inch letters "ELECTRIC" and "PWC".

Performance Standards:

Connectors shall meet or exceed ANSI 119.4.
Shall accept a penta bolted flat cover at the ground line.

Delivery Standards:

None specified

Types Accepted:

Manufacturer
PENCELL

Product
AG18HDX-L50-PWC

Note: Catalog/Series information is shown for reference use only, supplier is responsible for conforming to specifications as stated.

Specification reviewed by: _____

**Public Works Commission
Fayetteville, NC
Electric Systems Division
Material Specification**

1-115-090

Revision Date: 07 JAN 13

ENCLOSURE, PRIMARY JUNCTION, 60x30x18 (FOR REPLACEMENT ONLY)

Description:

Pad-mounted, 3-phase, 3-way, sectionalizing primary cable enclosure assembly for use with up to 25 kV rated URD/UCD systems under usual service conditions. Assembly will consist of a stainless steel top-hinged formed and welded cabinet body with 3 - 4-way load break junctions installed that is factory bolted, gasketed, and shimmed as necessary to a reinforced fiberglass or stainless steel ground sleeve.

Cabinet Body will be 12-gauge minimum painted Type 304L Stainless Steel top-hinge flanged bottom type with 3 – 4 junction 25 kV IEEE 386 module mounting plates and 3 parking stands mounted on universal mounting plates' opposite sill. Cabinet Door will be removable and will be minimum 14-gauge, painted; Type 304L Stainless Steel secured by a padlockable, shrouded, Penta-bolt located in the pocketed lift handle. Door will have provisions to prevent inadvertent closing by wind. Overall dimensions for cabinet body will be 60"x30"x18". Hinge pins, bolts and other hardware will be 304L Stainless Steel. Removable lifting provisions will be provided at the approximate balance point on each end, a minimum of two 1/2"-13 cabinet ground provisions, and the cabinet will be finished in Munsell 7GY 3.29/1.5 Green Paint with Outdoor-type 8"X4-1/2" NEMA "Mr. Ouch" acrylic warning label (Brady #46246 or equivalent) to be affixed 5" above door handle.

Ground Sleeve will be a flanged/straight trapezoidal-section of 12-gauge Type 304L Stainless Steel perimeter sleeve that will bolt securely to the cabinet body and have sufficient strength and bearing to support anticipated soil and equipment loads with appropriate factors of safety. Sleeve will be 24" in height, and should match the color of the cabinet body through either pigmented polymeric resin or paint over stainless steel.

Loadbreak Junction will be a four-position, 25 kV, conforming to electrical and dimensional requirements of IEEE-386 (Elastimold 270 Series or approved equivalent) and will be mounted to back wall on universal mounting plates, (Malton # MP15/25-C-SP, or equivalent), which shall be mounted to stainless steel angle members.

Performance Standards:

Enclosure/Sleeve integrity and coating will conform to ANSI C57.28.12. Fiberglass will conform to ASTM D-756, D-543, D-1501, D-570, D-790, and D-635.

Delivery Standards:

Cabinet Body and Load-break junctions will be factory assembled. Ground sleeve shall be attached to the body. Body and sleeve will be lagged, protected, and shipped on open trailers to allow forklift access from trailer sides.

Types Accepted:

Manufacturer	Product
DURHAM	1010678
MAYSTEEL	CC360-18TH-SS
MALTON	MEH306018-SS

Note: Catalog numbers are shown for reference only. Supplier is responsible for conforming to specification as stated.

Date	Revision History
4-DEC-06	Original Issue
14 Feb 12	Revised Durham product number per Purchasing
07 Jan 13	Updated Durham product number per manufacturer

**Public Works Commission
Fayetteville, NC
Electric Systems Division
Material Specification**

Specification reviewed by: _____

Date	Revision History
4-DEC-06	Original Issue
14 Feb 12	Revised Durham product number per Purchasing
07 Jan 13	Updated Durham product number per manufacturer

**Public Works Commission
Fayetteville, NC
Electric Systems Division
Material Specification**

1-115-095

**Revision Date: June 6, 2018
Revised By: Glenn Andersen**

ENCLOSURE, PRIMARY JUNCTION, FBGL, LARGE

Description:

Pedestal-mounted 3-phase 4-way sectionalizing, primary cable enclosure assembly for use with up to 25 kV rated, 200 Amp, 125kV BIL, URD/UCD systems under usual service conditions. Assembly will consist of a top-hinged fiberglass laminate cabinet body with three (3) - 4-way load break junctions horizontally installed. Loadbreak junctions shall be mounted using adjustable clips for the U-brackets of the junctions. All mounting brackets, parking stands, and associated hardware shall be aluminum or stainless steel.

Cabinet body will be a minimum of 3/16" thick, self-extinguishing, shall not support combustion, UV-protected fiberglass finished in a Munsell Green color. Cabinet shall be flanged at the bottom to allow for a burial depth of 18". Hinged door shall be secured by a padlockable shrouded Penta-bolt located in the pocketed lift-handle and the door will have provisions to prevent inadvertent closing by wind. Cabinet shall have a removable front panel that extends the width of the cabinet and is 10" tall. The removable panel shall meet the entry provision of ANSI C57. The top dimension of the cabinet shall be 62"W X 32"D. Overall dimensions for base of cabinet body will be 76"W X 48"D X 50"H. Hinge pins, bolts and other hardware will be 304 Stainless Steel. Lifting provisions will be provided at the approximate balance point on each end, a minimum of two transformer-type tank ground provisions, and the cabinet shall have 6 horizontal, location-adjustable, stainless steel parking stands located at the bottom of the aluminum junction mounting bar. Loadbreak junctions will be four-position, 25 kV conforming to electrical and dimensional requirements of IEEE-386 (Elastimold 270 Series or approved equivalent) and will be mounted at a 12° to 15° angle on universal junction mounting bar.

Performance Standards:

Enclosure integrity and Coating shall conform to IEEE C57.12.28.
Fiberglass shall conform to ASTM D-638, D-695, D-2444, D-570, D-790, and D-256; and also shall conform to ANSI Z124.2.
Enclosure shall withstand a 400 lb cable pulling tension without distortion.

Delivery Standards:

Cabinet Body and Load break junctions will be factory assembled, lagged & protected, and shipped on open trailers that shall allow forklift unloading from side of trailer.

Types Accepted:

Manufacturer	Product
POWER DESIGN	CJP-35/B-50-L2-MG-2425-AC-2115R2

Note: Catalog/Series information is shown for reference only. Supplier is responsible for conforming to specification as described.

Specification reviewed by: _____

**Public Works Commission
Fayetteville, NC
Electric Systems Division
Material Specification**

1-280-260

Revision Date: 21 FEB 12

SWITCH, FUSED CUTOUT, 100 A, LOAD BREAK, 25 KV

Description:

Distribution class outdoor open type rated load break expulsion fuse cutout as conforming to ANSI C37.42-2009.

Switch will consist of a one-piece porcelain mounting insulator, a latching line side assembly with eyebolt line terminal and integral load breaking device, a double-vented fiberglass fuse barrel with dropout hinge, and a load side assembly with eyebolt terminal and dropout hinge.

Switch will be fabricated using copper/bronze along with stainless steel for current-carrying assemblies, high purity acetyl resin arc chute, and silver-plated contact surfaces. Type B multi-purpose mounting bracket will be included with cutout.

Performance Standards:

Testing according to applicable section of ANSI C37.41-2008.

Basic Impulse Level:	125 kV
Rated Frequency:	60 Hz
Rated Continuous Current:	100 Amperes
Rated Load Break Current:	100 Amperes
Interruption Rating:	8/12 kA Symmetrical/Asymmetrical @ 27 kV
Galvanizing per ASTM A153	

Delivery Standards:

Cutouts, brackets, and fuseholders will be shipped loosely assembled in cartons marked to show voltage rating and rated continuous current.

Types Accepted:

Manufacturer
ABB

Product
Y2NEBNQA12

Note - Catalog/Series information is shown for reference use only; supplier is responsible for conforming to specifications as stated.

Specification reviewed by: _____

Date	Revision History
11 JAN 12	Original Issue
21 FEB 12	Revised ANSI Standards' dates; verified ABB product number.

ELECTRIC SYSTEMS DIVISION
Material Specification

1-300-600

Revision Date: 25-JUN-03

PAD, CONCRETE, PRECAST, 42"X48"X4"

Description:

Precast concrete transformer/equipment pad that will have nominal outside dimensions of 42" wide, 48" tall, and 4" thickness. Pad will feature a cable/accessory window that will measure 25" wide by 12" deep and will be located 6" nominally from the front edge, and 8.5" from each side. All edges on the top of the pad, including the cable/accessory window will be smoothly rounded. Two sections of 1-5/8" galvanized flanged channel 4" in length will be bolted into the pad parallel to the front of the pad at the sides of the window for securing the equipment to the pad. A single 5/8" UNC threaded insert will be cast midway of each 42" side of the pad for lifting. Pad will be reinforced by a welded frame of re-bar to enable it to support a 2000 pound transformer while straddling a 36" hole. Pad will be precast from inorganic material and will be gray (natural concrete) in color. Pad will be resistant to abrasion, impact, and UV Radiation.

Performance Standards:

Pad will be rated to support up to 2000# total equipment weight and will support a minimum of 5#/sq. in. at any point on pad surface.

Delivery Standards:

Pads shall be stacked and palletized for delivery, and lagged or otherwise protected from damage in shipment. Pallets shall be delivered on open-bodied conveyance to allow fork lift access from ground level.

Types Accepted:

Manufacturer	Product
PARKING BUMPER CO.	42X48X4(7618)

Note - Bid Proposals should include detailed drawings and specifications including weight for proposed pad.

Specification reviewed by: _____

**PUBLIC WORKS COMMISSION
FAYETTEVILLE, NORTH CAROLINA**

BID PROPOSAL

(Please read information listed below carefully.)

Listed below are the Miscellaneous Electric Items currently in PWC inventory. Bidder shall provide pricing for each of the Miscellaneous Electric Items identified in the below list. Bidder shall also provide shipping/delivery costs if such costs are not included in the unit cost.

CONDUCTOR & CONDUIT CONTRACT						
I T E M #	DESCRIPTION	QUANTITY	PER EACH COST	TOTAL COST	DELIVERY SCHEDULE	DELIVERY COST (IF NOT INCLUDED)
1	PWC # 1030825 - INSERT, EXT, LOAD-BREAK BUSHING, 200A, 25KV	400				
2	PWC # 1110015 - ELBOW, 25 KV 200 A LB, 1/0 AL	1067				
3	PWC # 1115038 - PEDESTAL, SECONDARY, POLYMER	85				
4	PWC # 1115090 - ENCLOSURE, PRIMARY JUNCTION, 60 X 30 X 18	7				
5	PWC # 1115095- ENCLOSURE, PRIMARY JUNCTION, FBGL, LARGE	22				
6	PWC # 1280260 - SWITCH, FUSED CUTOUT, 100 A, LOAD BREAK, 25 KV	120				
7	PWC # 1300600 - PAD, CONCRETE, PRECAST,42"X48"X4"	166				

Exhibit A

BID PROPOSAL

STOCK NO. 1030825

DESCRIPTION: INSERT, EXT, LOAD-BREAK BUSHING, 200A, 25KV

Manufacturer: _____

Product Description: _____

Exception to Specifications: _____

Warranty: _____

Delivery: _____

BIDDER INFORMATION

Name of Company _____

Address _____

Phone No. _____ **Fax No.** _____

E-Mail Address _____

Federal I.D. No. _____

SDBE, Minority or Woman Owned Business Enterprise _____ **Yes** _____ **No**

Bid Submitted By: _____

(Name Printed Out)

(Signature)

Title: _____

Date: _____

BID PROPOSAL

STOCK NO. 1110015

DESCRIPTION: ELBOW, 25 KV 200 A LB, 1/0 AL

Manufacturer: _____

Product Description: _____

Exception to Specifications: _____

Warranty: _____

Delivery: _____

BIDDER INFORMATION

Name of Company _____

Address _____

Phone No. _____ **Fax No.** _____

E-Mail Address _____

Federal I.D. No. _____

SDBE, Minority or Woman Owned Business Enterprise _____ **Yes** _____ **No**

Bid Submitted By: _____

(Name Printed Out)

(Signature)

Title: _____

Date: _____

BID PROPOSAL

STOCK NO. 1115038

DESCRIPTION: PEDESTAL, SECONDARY, POLYMER

Manufacturer: _____

Product Description: _____

Exception to Specifications: _____

Warranty: _____

Delivery: _____

BIDDER INFORMATION

Name of Company _____

Address _____

Phone No. _____ **Fax No.** _____

E-Mail Address _____

Federal I.D. No. _____

SDBE, Minority or Woman Owned Business Enterprise _____ **Yes** _____ **No**

Bid Submitted By: _____

(Name Printed Out)

(Signature)

Title: _____

Date: _____

BID PROPOSAL

STOCK NO. 1115090

DESCRIPTION: ENCLOSURE, PRIMARY JUNCTION, 60 X 30 X 18

Manufacturer: _____

Product Description: _____

Exception to Specifications: _____

Warranty: _____

Delivery: _____

BIDDER INFORMATION

Name of Company _____

Address _____

Phone No. _____ **Fax No.** _____

E-Mail Address _____

Federal I.D. No. _____

SDBE, Minority or Woman Owned Business Enterprise _____ **Yes** _____ **No**

Bid Submitted By: _____

(Name Printed Out)

(Signature)

Title: _____

Date: _____

BID PROPOSAL

STOCK NO. 1115095

DESCRIPTION: ENCLOSURE, PRIMARY JUNCTION, FBGL, LARGE

Manufacturer: _____

Product Description: _____

Exception to Specifications: _____

Warranty: _____

Delivery: _____

BIDDER INFORMATION

Name of Company _____

Address _____

Phone No. _____ **Fax No.** _____

E-Mail Address _____

Federal I.D. No. _____

SDBE, Minority or Woman Owned Business Enterprise _____ **Yes** _____ **No**

Bid Submitted By: _____

(Name Printed Out)

(Signature)

Title: _____

Date: _____

BID PROPOSAL

STOCK NO. 1280260

DESCRIPTION: SWITCH, FUSED CUTOFF, 100 A, LOAD BREAK, 25 KV

Manufacturer: _____

Product Description: _____

Exception to Specifications: _____

Warranty: _____

Delivery: _____

BIDDER INFORMATION

Name of Company _____

Address _____

Phone No. _____ **Fax No.** _____

E-Mail Address _____

Federal I.D. No. _____

SDBE, Minority or Woman Owned Business Enterprise _____ **Yes** _____ **No**

Bid Submitted By: _____

(Name Printed Out)

(Signature)

Title: _____

Date: _____

BID PROPOSAL

STOCK NO. 1300600

DESCRIPTION: PAD, CONCRETE, PRECAST, 42"X48"X4"

Manufacturer: _____

Product Description: _____

Exception to Specifications: _____

Warranty: _____

Delivery: _____

BIDDER INFORMATION

Name of Company _____

Address _____

Phone No. _____ **Fax No.** _____

E-Mail Address _____

Federal I.D. No. _____

SDBE, Minority or Woman Owned Business Enterprise _____ **Yes** _____ **No**

Bid Submitted By: _____

(Name Printed Out)

(Signature)

Title: _____

Date: _____