

University of South Carolina Salkehatchie

Walterboro, SC

USC SALK WALTERBORO NURSING LAB HVAC REPLACEMENT

PROJECT NUMBER: H38-9517 / CP00400749

March 24, 2014

Table of Contents

Project Name: USC SALK WALTERBORO NURSING LAB HVAC REPLACEMENT

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Table of Contents

Invitation for Minor Construction Quotes (SE – 311, 2011 Edition)

Quote Form (SE – 331, 2011 Edition)

USC Supplemental General Conditions for Construction Projects

Contractor's One Year Guarantee

Specifications

Division 1 – General Requirements

**SE-311****Invitation for Minor Construction Quotes****SCBO NOTES 2, 4 and 5 APPLY TO THIS INVITATION FOR QUOTES**PROJECT NAME: USC SALK WALTERBORO NURSING LAB HVAC REPLACEMENTPROJECT NUMBER: CP00400749 PROJECT LOCATION: USC Salkehatchie - Walterboro, SCBID SECURITY REQUIRED? Yes ☐ No ☒PERFORMANCE BOND REQUIRED? Yes ☐ No ☒PAYMENT BOND REQUIRED? Yes ☐ No ☒ CONSTRUCTION COST RANGE: \$10,000 - \$16,000

DESCRIPTION OF PROJECT:

Remove and replace existing Lennox gas pack rooftop HVAC unit with new 10 ton self-contained gas pack rooftop unit. Work includes all materials, labor, and equipment necessary to remove existing system and install new system for complete operation. This includes new adapter curb, installation of lockable 7 day programmable thermostat, electric smoke detection system in air return duct to meet code, repairs to any damaged existing wiring.

A/E NAME: University of South Carolina A/E CONTACT: Dwight Cathcart, USC PMADDRESS: 743 Greene Street PHONE: 803-777-9824 Fax: 803-777-8739CITY: Columbia STATE: SC ZIP: 29208 E-MAIL: dcathcar@fmc.sc.edu

PLANS ON FILE AT: AGC: _____

DODGE: _____

OTHER: _____

PLANS MAY BE OBTAINED FROM: http://purchasing.sc.edu (See Facilities Construction Solicitations & Awards)PLAN DEPOSIT AMOUNT: \$0.00 IS DEPOSIT REFUNDABLE? Yes ☐ No ☐PRE-QUOTE CONFERENCE? ☒ Yes ☐ No MANDATORY ATTENDANCE? ☐ Yes ☒ NoDATE: 4/8/2014 TIME: 10am PLACE: 807 Hampton St. Walterboro SC 29488 outside Bld #858AAGENCY: University of South CarolinaNAME AND TITLE OF AGENCY COORDINATOR: Juaquana Brookins, Procurement Specialist IIADDRESS: 743 Greene Street PHONE: 803.777.3596 Fax: 803.777.3596CITY: Columbia STATE: SC ZIP: 29208 E-MAIL: jbrookin@fmc.sc.eduIFQ CLOSING DATE: 4/15/2014 TIME: 1:30 pm LOCATION: 743 Greene St. Col. SC 29208

IFQ DELIVERY ADDRESSES:

HAND-DELIVERY:

See Mail

MAIL SERVICE:

ATTN: Juaquana Brookins
University of South Carolina/Bid Enclosed
743 Greene Street, Columbia SC 29208

IS PROJECT WITHIN AGENCY CONSTRUCTION CERTIFICATION? (Agency MUST check one) ☒ YES ☐ NO

APPROVED BY: _____ (State Engineer) _____ (Date)

SE-331

Quote Form

2011 Edition

Quotes shall be submitted only on SE-331

QUOTE SUBMITTED BY: _____
(Offeror's Name)

QUOTE SUBMITTED TO: University of South Carolina
(Agency Name)

FOR PROJECT: CP00400749 USC SALK WALTERBORO NURSING LAB HVAC REPL
(Number) (Name)

OFFER

1. In response to the Form SE-311, *Request for Minor Construction Quotes*, and in compliance with the *Instructions to Bidders* for the above-named Project, the undersigned **OFFEROR** proposes and agrees, if this Quote is accepted, to enter into a Contract with the **AGENCY** in the form included in the Solicitation Documents, and to perform all Work as specified or indicated in the Solicitation Documents, for the prices and within the time frames indicated in the Solicitation and in accordance with the other terms and conditions stated.

2. Pursuant to Section 11-32-3030(1) of the SC Code of Laws, as amended, **OFFEROR** has submitted Bid Security as follows in the amount and form required by the Solicitation Documents:

☐ Bid Bond with Power of Attorney ☐ Electronic Bid Bond ☐ Cashier's Check
(OFFEROR check one, if Bid Security is required)

3. **OFFEROR** acknowledges the receipt of the following Addenda to the Solicitation documents and has incorporated the effects of said Addenda into its Quote:

ADDENDUM No: _____

4. **OFFEROR** agrees that this Quote, including all bid alternates, if any, may not be revoked or withdrawn after the opening of bids, and shall remain open for acceptance for a period of 30 Days following the Quote Date, or for such longer period of time that **OFFEROR** may agree to in writing upon request of the **AGENCY**.

5. **OFFEROR** agrees that from the compensation to be paid, the **AGENCY** shall retain as Liquidated Damages the amount of for each calendar day the actual construction time required to achieve Substantial Completion exceeds the specified or adjusted Contract Time for Substantial Completion, as provided in the Contract Documents.

6. **OFFEROR** herewith submits its offer to provide all labor, materials, equipment, tools of trades and labor, accessories, appliances, warranties and guarantees, and to pay all royalties, fee, permits, licenses and applicable taxes necessary to complete the following items of construction work:

6.1 BASE BID _____
(enter BASE BID in figures only)

6.2 ALTERNATE NO. 1 _____ to be ADDED/DEDUCTED from BASE BID.
(circle one)

6.3 ALTERNATE NO. 2 _____ to be ADDED/DEDUCTED from BASE BID.
(circle one)

FEIN/SSN: _____

SC Contractor's
License Number: _____

Address: _____

Telephone/Fax _____

E-mail _____

This Quote is hereby submitted on behalf of the Offeror
named above.

BY: _____
(Signature of Offeror's Representative)

(Print or Type Name of Offeror's Representative)

ITS: _____

USC SUPPLEMENTAL GENERAL CONDITIONS
FOR CONSTRUCTION PROJECTS

1. Contractor's employees shall take all reasonable means not to interrupt the flow of student traffic in building corridors, lobbies and stairs. All necessary and reasonable safety precautions shall be taken to prevent injury to building occupants while transporting materials and equipment through the building to the work area. Providing safe, accessible, plywood pedestrian ways around construction may be required if a suitable alternative route is not available.
2. Fraternization between Contractor's employees and USC students, faculty or staff is strictly prohibited - zero tolerance!
3. USC will not tolerate rude, abusive or degrading behavior on the job site. Heckling and cat-calling directed toward students, faculty or staff or any other person on USC property is strictly prohibited. Any contractor whose employees violate this requirement will be assessed a fine of up to \$500 per violation.
4. Contractor's employees must adhere to the University's policy of maintaining a drug-free and smoke-free/tobacco free workplace.
5. Contractor must sign a Contractor Key Receipt/Return form before any keys are issued. Keys must be returned immediately upon the completion of the work. The Contractor will bear the cost of any re-keying necessary due to the loss of or failure to return keys.
6. A welding permit must be issued by the University Fire Marshall before any welding can begin inside a building. Project Manager will coordinate.
7. Contractor must notify the University immediately upon the discovery of suspect material such as those potentially containing asbestos or other such hazardous materials. These materials **must not** be disturbed until approved by the USC Project Manager.
8. At the beginning of the project, the USC Project Manager will establish the Contractor's lay-down area. This area will also be used for the Contractors work vehicles. No personal vehicles will be allowed in this area, or in any areas surrounding the construction site that are not regular or authorized parking lots. Personal vehicles must be parked in the perimeter parking lots. Parking permits can be obtained at the USC Parking Office located in the Pendleton Street parking garage. The lay down area will be clearly identified to the contractor by the PM, with a sketch or drawing provided to Parking. In turn, the contractor will mark off this area with a sign containing the project name, PM name, Contractor name and contact number, and end date. Where this area is subject to foot traffic, protective barriers will be provided as specified by the PM. The area will be maintained in a neat and orderly fashion.
9. Contractor will be responsible for providing its own temporary toilet facilities, unless prior arrangements are made with the USC Project Manager.

10. Use of USC communications facilities (telephones, computers, etc.) by the Contractor is prohibited, unless prior arrangements are made with the USC Project Manager.
11. For all projects over \$100,000, including IDC's, an SE-395, Contractor Performance Evaluation, will be completed by the USC Project Manager and reviewed with the GC at the beginning of the project and a copy given to the GC. At the end of the project the form will be completed and a Construction Performance rating will be established.
12. Contractor is responsible for removal of all debris from the site, and is required to provide the necessary dumpsters which will be emptied at least one (1) times per week. Construction waste must not be placed in University dumpsters. The construction site must be thoroughly cleaned with all trash picked up and properly disposed of on a daily basis and the site must be left in a safe and sanitary condition each day. The University will inspect job sites regularly and will fine any contractor found to be in violation of this requirement an amount up to \$1,000.00 daily per violation.
13. Contractor must provide all O&M manuals, as-built drawings, and training of USC personnel on new equipment, controls, etc. prior to Substantial Completion. Final payment will not be made until this is completed.
14. Tree protection fencing is required to protect existing trees and other landscape features to be preserved within a construction area. The limits of this fence will be evaluated for each situation with the consultant, USC Arborist and USC Project Manager. The tree protection fence shall be 6' high chain link fence unless otherwise approved by USC Project Manager. No entry or materials storage will be allowed inside the tree protection zone. A 3" layer of mulch shall be placed over the tree protection area to maintain moisture in the root zone if USC Arborist determines that construction may decrease amount of moisture needed to sustain health of tree(s).
15. Contractor shall water trees and other landscape material as directed by USC Arborist until site is returned to Owner.
16. Where it is necessary to cross walks, tree root zones (i.e., under canopy) or lawns the following measures shall be taken: For single loads up to 9,000 lbs., a 3/4" minimum plywood base shall be placed over areas impacted. For single loads over 9,000 lbs., two layers of 3/4" plywood is required.
17. For projects requiring heavy loads to cross walks, tree root zones or lawns on a regular basis (as determined by USC Project Manager), a construction entry road consisting of 10' X 16' oak logging mats placed on 12" coarse, chipped, hardwood base. Mulch and logging mats shall be supplemented throughout the project to keep matting structurally functional.
18. Any damage to existing landscaping (including lawn areas) will be remediated at Contractor's expense before final payment is made.

Contractor Vehicle Requirements on Campus

1. All motorized vehicles on the University campus are expected to travel and park on roadways and/or in parking stalls.
2. All motorized vehicle traffic on USC walkways must first be authorized by USC Grounds Department and USC Project Manager. Violators may be subject to fines and penalties.
3. All motorized vehicles that leak or drip liquids are prohibited from traveling or parking on walks or landscaped areas.
4. Contractors, vendors, and delivery personnel are required to obtain prior parking authorization before parking in a designated space. Violators may be subject to fines and/or penalties. See Item 10 below.
5. Drivers of equipment or motor vehicles that damage university hardscape or landscape will be held personally responsible for damages and restoration expense.
6. Vehicle drivers who park on landscape or drives must be able to produce written evidence of need or emergency requiring parking on same.
7. All vehicles parked on landscape, hardscape, or in the process of service delivery, must display adequate safety devices, i.e. flashing lights, cones, signage, etc.
8. All drivers of equipment and vehicles will be respectful of University landscape, equipment, structures, fixtures and signage.
9. All incidents of property damage will be reported to Parking Services or the Work Management Center.
10. Parking on campus is restricted to spaces designated by Parking Services at the beginning of the project. Once the project manager and contractor agree on how many spaces are needed, the project manager will obtain a placard for each vehicle. This placard must be hung from the mirror of the vehicle, otherwise a ticket will be issued and these tickets cannot be Afixed@. Parking spaces are restricted to work vehicles only; no personal vehicles.

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University of South Carolina

CONTRACTOR'S ONE YEAR GUARANTEE

STATE OF _____

COUNTY OF _____

WE _____
as General Contractor on the above-named project, do hereby guarantee that all work executed under the requirements of the Contract Documents shall be free from defects due to faulty materials and /or workmanship for a period of one (1) year from date of acceptance of the work by the Owner and/or Architect/Engineer; and hereby agree to remedy defects due to faulty materials and/or workmanship, and pay for any damage resulting wherefrom, at no cost to the Owner, provided; however, that the following are excluded from this guarantee;

Defects or failures resulting from abuse by Owner.

Damage caused by fire, tornado, hail, hurricane, acts of God, wars, riots, or civil commotion.

[Name of Contracting Firm]

*By _____

Title _____

*Must be executed by an office of the Contracting Firm.

SWORN TO before me this
_____ day of _____, 2____ (seal)

_____ State

My commission expires _____

DIVISION 1 – GENERAL REQUIREMENTS

University of South Carolina Salkehatchie

Walterboro, SC

H38-9517 / CP00400749

USC SALK WALTERBORO NURSING LAB HVAC REPLACEMENT

Furnish and Install a 10 Ton Rooftop Gas Pack Self Contained HVAC Unit

General Description – The University of South Carolina Salkehatchie Campus is accepting bids for the replacement of an existing Lennox gas pack rooftop HVAC unit with a new 10-ton self-contained gas pack rooftop HVAC unit at its Nursing Lab in Walterboro, South Carolina. The requirements and supporting photographs are provided below:

Requirements:

1. Remove the existing Lennox Gas Pack located on the roof of the Nursing Lab. The model and serial numbers are no longer readable.
2. Furnish and install a 10-Ton gas pack to replace the existing unit—adapter curb to be included.
3. Include installation of a lockable, 7-day programmable thermostat.
4. Include an electronic smoke detection system in the air return ductworks for fire code compliance. Smoke detection systems **must shut entire HVAC system down** in the event smoke is detected.

5. All exposed wiring to be in conduit. Any existing damaged or cracked conduit is to be replaced—covering cracks with electrical tape is not acceptable.
6. Include all labor, materials and equipment necessary to remove the existing systems, and install the new systems for complete operation.
7. Include a one-year labor and parts service warranty.
8. Include a 5-year Manufacturer's compressor factory warranty on parts only.
9. Installation to be between May 8 and June 6, 2014.
10. The system must **meet or exceed** the manufacturer's cooling, heating, and Sound Rating performance data as provided below.
11. **Failure to include the system manufacturer's technical specification data sheet with bid form SE – 331 will deem your bid non-responsible.**
12. Contractor must provide three references on projects completed of similar complexity and magnitude.
13. Contractor must possess all requisite certifications, licenses, and insurance to perform the work.
14. Contractor is responsible for any and all damage to sidewalks, building, roof, etc. as a result of negligence.

Minimum System Specification Requirements:

Cooling Performance^a:

- | | |
|--|-------------|
| • Gross Cooling Capacity: | 119,000 |
| • EER ^b : | 11.3 |
| • Nominal cfm/AHRI Rated cfm: | 4,000/3,500 |
| • AHRI Net Cooling Capacity: | 113,000 |
| • Integrated energy efficiency Ratio (IEER) ^c | 13.0 |
| • System Power (kW) | 10.0 |

Heating Performance^d:

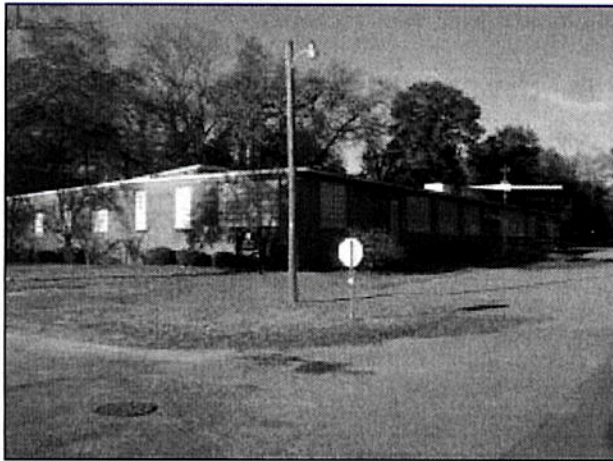
- Heating Input (Btu): 250,000/175,000
- Heating Output (Btu): 200,000/140,000
- Steady State Efficiency %: 80

Sound Rating (dB)^e: 88

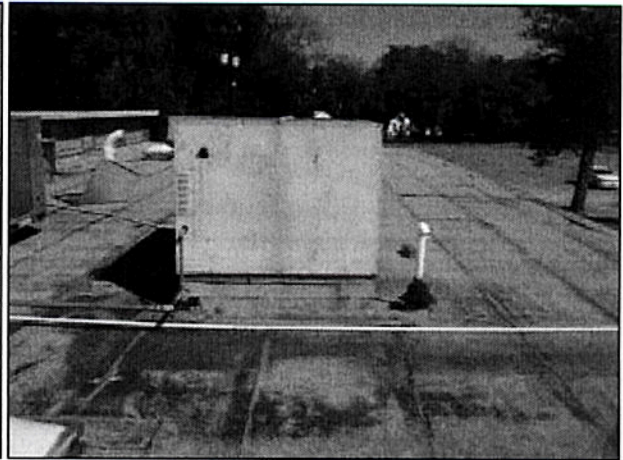
Note:

- a) Cooling performance is rated at 95 degrees F ambient, 80 degrees F entering dry bulb, 67 degrees F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to +/-20% of cfm. Units are certified in accordance with the Unitary Air-Conditioner Equipment certification program, which is based on AHRI Standard 340/360.
- b) EER is rated at AHRI conditions and in accordance with DOE test procedures.
- c) IEER is rated in accordance with AHRI standard 340/360. The IEER rating requires that the unit efficiency be determined at 100%, 75%, 50%, and 25% load (net capacity) as specified in the AHRI Standard.
- d) Heating performance limit settings and rating data were established under laboratory test conditions using American National Standards Institute standards.
- e) Sound Rating should be in accordance with AHRI Standard 270.

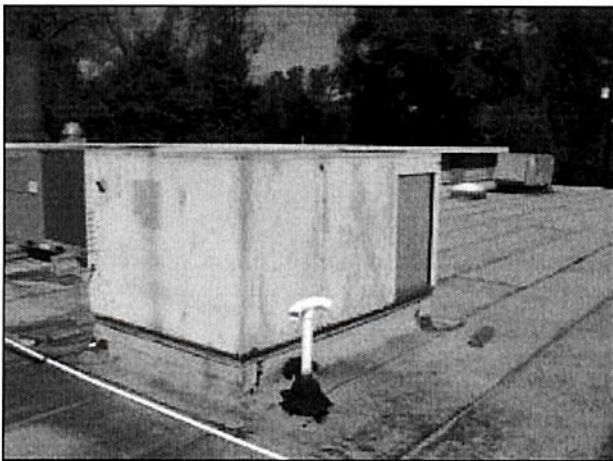
Any contractors requesting to make a site visit may contact Francis Smith at (803) 584-3446, extension #231 or at fsmith@mailbox.sc.edu.



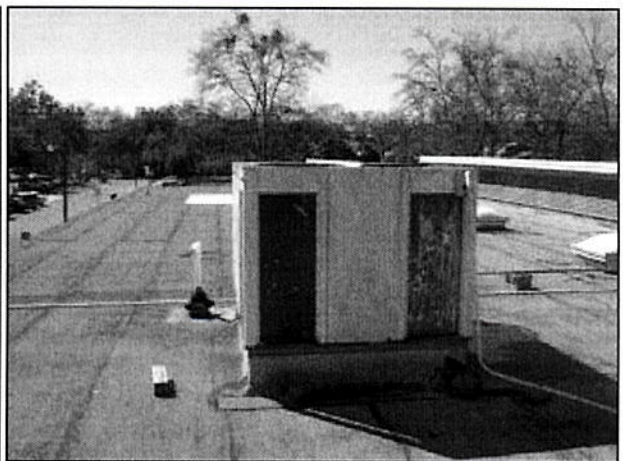
Nursing Lab Building—Existing unit by arrow



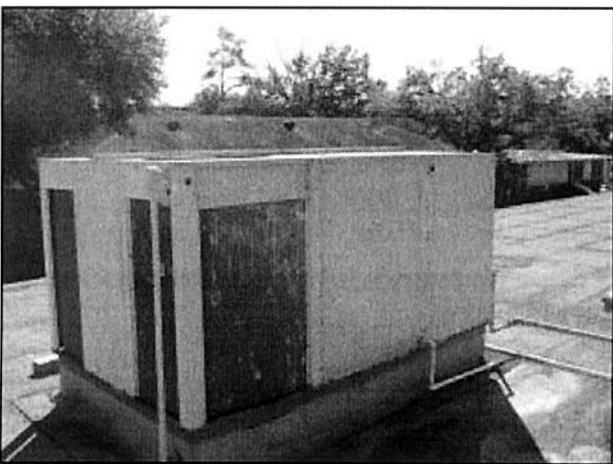
Northeast view of existing unit



Northwest view of existing unit



Southwest view of existing unit



Southeast view of existing unit



View of electrical disconnect