



Shelton State Community College will receive sealed bids in its Purchasing Office until **May 3, 2023, at 2:00 p.m.** for the items described in the bid invitation. Bids will be publicly opened and read aloud on the Martin Campus in room 1720.

Submit bid proposal to the following:

Bid Number 6-23-SS

Attention DeLane Bailey
Shelton State Community College
9500 Old Greensboro Road
Tuscaloosa, AL 35405

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"No Bid" responses are requested.

1. "All bids shall be sealed when received." (Alabama Code § 41-16-54) Bids delivered by the vendor, United States Postal Service, Federal Express, UPS, or other delivery service must have the bid number indicated on the envelope. It is the responsibility of the vendor to have the bid proposal delivered to the correct addressee and location. The bid should be addressed to the following:

DeLane Bailey, Associate Dean of Business Services
Shelton State Community College
9500 Old Greensboro Road
Tuscaloosa, AL 35405

2. Bids must be received prior to the bid opening date and time. Late bids will not be considered.
3. All information shall be entered in ink, typewritten, or computer generated in the appropriate space(s) on the form(s). An authorized company representative must sign the bid in ink.
4. Prices submitted on the bid must remain effective for a period of thirty (30) days for complete bid evaluation.
5. Shelton State Community College reserves the right to reject any or all bids, or any part thereof, and to waive any technicality in the bidding in the best interest of the Institution. Bids will be awarded in a manner which appears to be in the best interest of Shelton State Community College. Awards may be issued to multiple bidders.
6. This proposal is to be made without connection to any other person, company, or parties making a bid or proposal and is to be in all respects fair and in good faith, without collusion or fraud.
7. Bid prices are not to include tax. Tax exemption certificate furnished upon request.
8. Quote F.O.B. delivered to sites listed in specifications. The successful bidder must assume all liability/responsibility for damage in transit.
9. The responsibility of determining the acceptability of any products offered rests solely with Shelton State Community College.
10. The successful bidder will be required to submit a copy of general liability (umbrella) insurance. The copy must show amount limits for automobile, workers' compensation, etc. (applicable for the delivery of materials, supplies, etc.)
11. The bidder shall, at its sole expense, procure and keep in effect all necessary permits and licenses required for its performance of the requested work or service.
12. The successful bidder must provide a copy of current state, county, or city business license, general contractor's license, or applicable license as required by law.
13. It is the responsibility of the bidder to inspect the facilities (grounds, road access, and buildings) for delivery method, installation, and/or set-up of materials, supplies and/or equipment. Failure to inspect the facilities will not relieve the bidder of responsibility to provide for delivery F.O.B. or additional costs associated with delivery, installation, and set-up as requested in the bid.
14. All bidders are required to complete a Disclosure Statement. Act 2001-955 requires the disclosure statement to be completed and filed with all proposals, bids, contracts, or grant proposals to the state of Alabama in excess of \$5,000. A Vendor Disclosure Statement is included in the bid proposal. Any changes to the status of the information on this form will require the submission of an updated form to Shelton State Community College.

15. The successful bidder will be required to complete the Alabama Immigration Law Compliance Documents. The Alabama Immigration Law Compliance Documents are included in the bid proposal. The successful bidder must comply with Alabama Act 2011-535 and agrees to submit a notarized *Affidavit of Alabama Immigration Law Compliance* as well as an *E-Verify Memorandum of Understanding* (*E-Verify can be found at www.uscis.gov*). By signing this contract, the contracting parties affirm, for the duration of this agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the state of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of this agreement and shall be responsible for all damages resulting there from.
16. All bids must be notarized.
17. Bidders desiring further information or interpretation of plans or specifications must make requests in writing to DeLane Bailey, Associate Dean of Business Services, Shelton State Community College, 9500 Old Greensboro Road, Tuscaloosa, AL 35405, at least seven (7) days prior to bid opening. Questions can also be submitted via email to dbailey@sheltonstate.edu. Answers to such requests will be given to all recorded bidders.
18. When brand name or catalog number is not stated by the bidder, it is understood the offer is exactly as specified. References in the specifications to name brands, catalogue numbers, etc., are for identification purposes only and are in no way intended to eliminate or discourage the offering of substitute items which equal the specifications.
19. The awarded bid must remain in effect for one year from the date of the contract.
20. The contract may be extended for a period of two additional years if no changes are made in the specifications and/or pricing by the vendor. Shelton State Community College and the vendor must agree in writing for the contract extension.
21. Shelton State Community College may cancel this agreement at any time with 30 days written notice.
22. Payment shall be contingent upon Shelton State Community College's inspection of and satisfaction with completed work or materials.
23. Any defective work or materials, non-conformance to bid specifications, damaged materials, or unsatisfactory installation shall be corrected to Shelton State Community College's satisfaction by the successful bidder at no additional charge. No payments on partial shipments will be made until all items have been received in good condition.
24. Notwithstanding any other provision in this Agreement, the parties acknowledge and agree that the terms and commitments contained herein shall not constitute a debt of the State of Alabama in violation of Section 213 of the Constitution of Alabama of 1901, as amended by Amendment No. 26.
25. It is further agreed that if any provision of this Agreement shall contravene any statute of Constitutional provision, either now in effect of which may be enacted during the term of

this Agreement, then the conflicting provision of the Agreement shall be deemed null and void.

26. The bidder acknowledges and agrees that its sole and exclusive remedy for any monetary claim or any claim for which Shelton State Community College has sovereign immunity that may arise from or relate to this Agreement is to file a claim with the Board of Adjustment of the State of Alabama. Any claim for equitable relief or for which Shelton State Community College does not have sovereign immunity shall be brought exclusively in the appropriate state or federal court which are situated in and/or covering Tuscaloosa County, Alabama.
27. This Agreement shall be governed by and construed in accordance with the laws of the State of Alabama without giving effect to any choice or conflict-of-law provisions or rules (whether of the State of Alabama or any other jurisdiction) that would cause the application of the laws of any jurisdiction other than those of the State of Alabama.
28. These terms and conditions shall supersede any contrary language in any agreement entered into by the parties. All terms shall be reduced to writing and will not rely on any oral terms, nor shall any oral terms or agreement be incorporated herein.
29. As an entity of the State of Alabama, the parties recognize and agree that Shelton State Community College cannot and will not agree to indemnify any party to a contract resulting from this bid.
30. In accordance with the recommendations of the Governor and the Attorney General of the State of Alabama, the parties shall consider settling all disputes arising from or related to this agreement by using appropriate forms of non-binding alternative dispute resolution.
31. In the event of proration of the fund from which payment under which this agreement is to be made, the agreement will be subject to termination.
32. Shelton State Community College reserves the right to purchase according to availability of funds.
33. All applicable shipping and handling costs must be included in the pricing submitted with the bid.
34. Shelton State Community College will not accept prepay terms for the items and services in this bid.
35. Quantities listed on the specifications sheet are believed to be correct. However, Shelton State Community College reserves the right to alter or vary the quantities for a period of ninety (90) days from the bid opening.
36. This agreement constitutes the sole and entire agreement of the parties to this agreement with respect to the subject matter contained herein, and supersedes all prior and contemporaneous understandings, negotiations, and agreements, both oral and written, with respect to such subject matter.
37. By signing this contract, the contracting parties affirm, for the duration of this agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the state of Alabama.

Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of this agreement and shall be responsible for all damages resulting there from.

38. This agreement may be executed in counterparts, each of which shall be deemed and original, but all of which together shall be deemed to be one and the same agreement.

39. In compliance with Act 2016-312, the contractor hereby certifies that it is not currently engaged in, and will not engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which this state can enjoy open trade.

NONRESIDENT BIDDER INFORMATION

41-16-57

(b) The awarding authority in the purchase of or contract for personal property or contractual services shall give preference, provided there is no sacrifice or loss in price or quality, to commodities produced in Alabama or sold by Alabama persons, firms, or corporations. Notwithstanding the foregoing, no county official, county commission, school board, city council or city councilmen, or other public official, state board, or state agency charged with the letting of contracts or purchase of materials for the construction, modification, alteration, or repair of any publicly owned facility may specify the use of materials or systems by a sole source, unless:

(1) The governmental body can document to the satisfaction of the State of Alabama Building Commission that the sole source product or service is of an indispensable nature, all other viable alternatives have been explored, and it has been determined that only this product or service will fulfill the function for which the product is needed. Frivolous features will not be considered.

(2) The sole source specification has been recommended by the architect or engineer of record and who also documents that there is no other product available and that the use of the requirement is of an indispensable nature and why.

(3) All information substantiating the use of a sole source specification is documented in writing and is filed into the project file.

BID PROPOSAL FORM

Proposal of _____
(Company Name)

of _____
(City and State)

Hereinafter, called "Bidder," a corporation, organized and existing under the laws of the State of _____, a partnership, or an individual doing business as:

TO: Shelton State Community College
9500 Old Greensboro Rd.
Tuscaloosa, AL 35405
Attn: DeLane Bailey

BID PRICE \$ _____

FEDERAL IDENTIFICATION # _____

**6-23-SS
BID CERTIFICATE**

I hereby affirm I have not been in any agreement or collusion among bidders or prospective bidders in restraint of freedom of competition, by agreement to bid at a fixed price or to refrain from bidding, or otherwise.

Firm or Company Name

Address

City, State and Zip Code

Telephone Number Fax Number

Email Address

Name of Company Representative
(Please Print)

Signature of Company Representative

BID CERTIFICATE MUST BE NOTARIZED

Sworn and subscribed before me this the _____ day of _____, 20____.

Notary Public

Date my Commission Expires





State of Alabama Disclosure Statement

(Required by Act 2001-955)

ENTITY COMPLETING FORM

ADDRESS

CITY, STATE, ZIP TELEPHONE NUMBER
()

STATE AGENCY/DEPARTMENT THAT WILL RECEIVE GOODS, SERVICES, OR IS RESPONSIBLE FOR GRANT AWARD

ADDRESS

CITY, STATE, ZIP TELEPHONE NUMBER
()

This form is provided with:
 Contract Proposal Request for Proposal Invitation to Bid Grant Proposal

Have you or any of your partners, divisions, or any related business units previously performed work or provided goods to any State Agency/Department in the current or last fiscal year?

Yes No

If yes, identify below the State Agency/Department that received the goods or services, the type(s) of goods or services previously provided, and the amount received for the provision of such goods or services.

STATE AGENCY/DEPARTMENT	TYPE OF GOODS/SERVICES	AMOUNT RECEIVED

Have you or any of your partners, divisions, or any related business units previously applied and received any grants from any State Agency/Department in the current or last fiscal year?

Yes No

If yes, identify the State Agency/Department that awarded the grant, the date such grant was awarded, and the amount of the grant.

STATE AGENCY/DEPARTMENT	DATE GRANT AWARDED	AMOUNT OF GRANT

1. List below the name(s) and address(es) of all public officials/public employees with whom you, members of your immediate family, or any of your employees have a family relationship and who may directly personally benefit financially from the proposed transaction. Identify the State Department/Agency for which the public officials/public employees work. (Attach additional sheets if necessary.)

NAME OF PUBLIC OFFICIAL/EMPLOYEE	ADDRESS	STATE DEPARTMENT/AGENCY

2. List below the name(s) and address(es) of all family members of public officials/public employees with whom you, members of your immediate family, or any of your employees have a family relationship and who may directly personally benefit financially from the proposed transaction. Identify the public officials/public employees and State Department/Agency for which the public officials/public employees work. (Attach additional sheets if necessary.)

NAME OF FAMILY MEMBER	ADDRESS	NAME OF PUBLIC OFFICIAL/ PUBLIC EMPLOYEE	STATE DEPARTMENT/ AGENCY WHERE EMPLOYED

If you identified individuals in items one and/or two above, describe in detail below the direct financial benefit to be gained by the public officials, public employees, and/or their family members as the result of the contract, proposal, request for proposal, invitation to bid, or grant proposal. (Attach additional sheets if necessary.)

Describe in detail below any indirect financial benefits to be gained by any public official, public employee, and/or family members of the public official or public employee as the result of the contract, proposal, request for proposal, invitation to bid, or grant proposal. (Attach additional sheets if necessary.)

List below the name(s) and address(es) of all paid consultants and/or lobbyists utilized to obtain the contract, proposal, request for proposal, invitation to bid, or grant proposal:

NAME OF PAID CONSULTANT/LOBBYIST	ADDRESS

By signing below, I certify under oath and penalty of perjury that all statements on or attached to this form are true and correct to the best of my knowledge. I further understand that a civil penalty of ten percent (10%) of the amount of the transaction, not to exceed \$10,000.00, is applied for knowingly providing incorrect or misleading information.

Signature _____ Date _____

Notary's Signature _____ Date _____ Date Notary Expires _____

Act 2001-955 requires the disclosure statement to be completed and filed with all proposals, bids, contracts, or grant proposals to the State of Alabama in excess of \$5,000.

THIS VENDOR CERTIFICATION FORM HAS TO BE COMPLETED AND RETURNED IN ORDER TO MEET SPECIFICATIONS OF BID.

**VENDOR CERTIFICATION BY
ALABAMA DEPARTMENT OF REVENUE**

GENERAL INFORMATION:

Shelton State Community College considers all vendors to be valuable assets in fulfilling its education, health, research, and service missions. As such, vendors should conduct their business openly, fairly, and honestly. All vendors are expected to fulfill their contractual commitments to the College in terms of cost, delivery, and quality of products and services. The College procurement contracts are a matter of public record, and they are based upon formal competitive bids or good faith negotiations between the College and the vendor. Failure to fulfill contractual commitments can jeopardize a company's status as an acceptable College vendor.

The following statement is applicable to all Requests for Formal Bid and Contracts for Professional Services that are required on all taxable sales and leases into Alabama:

Certification Pursuant to Act No. 2006-557

Alabama law (Section 41-4-116, Code of Alabama 1975) provides that every bid submitted, and contract executed shall contain a certification that the vendor, contractor, and all of its affiliates that make sales for delivery into Alabama or leases for use in Alabama are registered, collecting, and remitting Alabama state and local sales, use, and/or lease tax on all taxable sales and leases into Alabama. By submitting this bid, the bidder is hereby certifying that they are in full compliance with Act No. 2006-557, they are not barred from bidding or entering into a contract pursuant to 41-4-116, and acknowledges that the awarding authority may declare the contract void if the certification is false.

COMPANY NAME

SIGNATURE OF RESPONSIBLE PARTY

PRINT: NAME, TITLE

DATE

The following statement is applicable to all Requests for Formal Bid and Contracts for Professional Services:

Certification Pursuant to Minority-Owned Business

Alabama law (Section 25-10-3, Code of Alabama 1975) provides a definition of minority-owned businesses. Bidder from a business within the state that is a woman-owned enterprise, an enterprise of small business, as defined in Section 25-10-3, a minority-owned business enterprise, a veteran-owned business enterprise, or a disadvantaged-owned business enterprise shall acknowledge this status by signing this certification.

COMPANY NAME

SIGNATURE OF RESPONSIBLE PARTY

PRINT: NAME, TITLE

DATE

OR PLEASE INDICATE WITH N/A

AFFIDAVIT OF ALABAMA IMMIGRATION LAW COMPLIANCE

In compliance with SECTIONS 9 (a) and (b) BEASON-HAMMON ALABAMA TAXPAYER AND CITIZEN PROTECTION ACT (the "Act"); CODE OF ALABAMA, SECTIONS 31-13-9 (9a) and (b), this Affidavit of Alabama Immigration Law Compliance is to be completed and signed by an officer or owner of a contractor or grantee and notarized, as a condition for the award of any contract by Shelton State Community College to an employer that employs one or more employees in the State of Alabama and is a recipient of funds from Shelton State Community College. Contractors and Grantees are to provide notice to their Subcontractors of their Alabama Immigration Law Compliance obligations.

State of Alabama:

County of _____:

Before me, a notary public, personally appeared _____ (print name) who, is duly authorized by the business entity/employer which appears below, being sworn, says as follows:

As a condition for being a contractor or grantee on a project paid for by contract, grant, or incentive by the State of Alabama, or any political subdivision thereof, or any state-funded entity, I hereby attest that in my capacity as _____ (your position) for Grantee does not knowingly employ, hire for employment, or continue to employ an unauthorized alien. Further, Contractor of Grantee affirms that it is providing notice to its subcontractors of their Alabama Immigration Law Compliance obligations.

I further attest that said Contractor or Grantee is enrolled in the E-Verify program and have affixed below said Contractor or Grantee's E-Verify Employment Eligibility Verification User Identification Number confirming such program enrollment. I have read this Affidavit and swear and affirm that it is true and correct.

E-Verify Employment Eligibility Verification User Identification Number

Signature of Affiant

Sworn to and subscribed before me this _____ day of _____, 2_____.

I certify that the affiant if known (or made known) to me to be the identical party he or she claims to be.

Signature and Seal of Notary Public

TO BE RETURNED TO SHELTON STATE COMMUNITY COLLEGE

ATTACHMENT

Request for Bid

- I. **Bid Items**: Quantity of one (1) custom-built and fabricated semi-trailer equipped with eight (8) ready-to-use and individual welding booths. The trailer must be a fully functional mobile lab for welding training.
- II. **Bid Price**: Price must include all expenses needed to fabricate, assemble, deliver, and commission a fully operational, ready-to-use fabricated semi-trailer equipped with 8 individual welding booths. The bid price will include:
- A. All costs associated with design, fabrication, assembly, delivery, and on-site commissioning following delivery of all electrical and mechanical equipment and systems listed in the bid specifications.
 - B. Full and complete minimum 12-month warranty against any and all electrical and mechanical defects.
 - C. Any and all costs, equipment, and materials required to provide Shelton State Community College with one (1) fully operational and functioning mobile welding training trailer with eight (8) ready-to-use welding booths.

III. **Bid Item Specifications**: The bid is for the fabrication and delivery of one (1) mobile welding lab that will be used to conduct career technical education welding instruction. The mobile welding lab will be fabricated using a standard enclosed semi-trailer. The mobile welding lab must be fabricated to be road-ready to permit towing at will within the State of Alabama and also be stationed for extended durations at one location.

General Overview

- Quantity of one (1) ready-to-use welding training labs, with each training lab fabricated using a standard, fully enclosed semi-trailer.
- Each trailer will include eight (8) individual welding booths and a fully enclosed electrical/mechanical area.
- Each trailer will be equipped with a ducted HVAC system capable of heating and cooling the entire trailer while in operation.
- Each trailer will be equipped with a welding fume ventilation/extraction system capable of venting fumes from 8 welding booths simultaneously.
- Each trailer will include all electrical and mechanical components and equipment required to provide a heated/cooled mobile trailer equipped with 8 fully functional welding booths.
- Each trailer must be fabricated to permit full operation via diesel generator(s) AND/OR via a metered electrical service connection(s).

- Each trailer must be fabricated with a fully-enclosed electrical-mechanical room/area housing all electrical and mechanical systems and the specified equipment detailed within the bid specifications.

Trailer Specifications

- The semi-trailer (new or fully refurbished) is to be a standard 53' (feet) multi-axle, fully enclosed, drop deck dry van trailer.
- Trailer must be road-ready and in compliance with the State of Alabama Department of Transportation (DOT) statutes and the United States DOT.
 - Appropriate weight rating.
 - Equipped with new or professional retreaded tires.
 - Equipped with air ride suspension.
 - Certified braking system.
 - Equipped with any and all exterior lighting and safety features, components, and equipment required by Alabama DOT and U.S. DOT., including spare tire with rim.
- Trailer must be vinyl wrapped with Shelton State Community College-supplied graphics. The wrap will encompass the entire trailer (both sides and back of trailer).
 - Graphics and design parameters will be provided upon bid award.
- Trailer is to be equipped with an automatic four-point (or greater) leveling system capable of suspending the trailer for long-term use and storage.
- Trailer will include a propane or diesel generator permanently affixed to the front exterior of the trailer. The generator will provide power to all electrical and mechanical equipment and systems included in and on the trailer, with the exception of welding equipment requiring 480V, 3-phase power.
- The interior and exterior of the trailer must be fabricated to be road-ready with any and all systems, components, and equipment safely securable for over-the-road operation.
 - Trailer must be equipped with a fire suppression system throughout the entirety of the trailer.
 - Trailer is to be constructed with steel walls, tread plate slip-resistant metal flooring, and corrugated tin ceiling.
 - Trailer is to be insulated with a minimum of 1 ½" insulation throughout floors, walls, and ceiling to permit year-round use.
 - Trailer is to have a rubberized weld-safe mat installed in each welding booth, OR the trailer must have a rubberized weld-safe matting placed throughout the entire working area of the trailer.

- Trailer must be constructed with two (2) solid steel doors located on one side of the trailer for entry/exit.
 - Each entry/exit must include steps of standard size (approx.. 8'' to 14'' between steps), with handrail, to permit easy and safe access at each of the two (2) entry/exit doors. Roll-away steps with handrails are acceptable.
 - Emergency exit signs with egress lighting and battery backup must be installed on the interior of the trailer above each entry/exit door (2 signs).
- Trailer must include a minimum of five (5) thermal pane double-hung windows that easily open/close; and can be locked/unlocked from the interior of the trailer.
- Trailer must be equipped with two (2) power/motorized retractable awnings, with each awning at least measuring a minimum of 20' (width) x 8' (depth).
- Trailer must contain a lockable storage box(es) affixed to the underside and exterior of the trailer. The tool storage box(es) should provide at least 190 cubic feet of storage space and include multiple locking access doors..
- Trailer must be fabricated with eight (8) individual welding booths, with each booth having a minimum working area of 5' (feet) x 5' (feet).
- Trailer is to be constructed with an interior 2-line gas manifold system. The manifold system is to be equipped with connections located on the exterior of the trailer. The manifold system is to supply two lines, with drops, into all eight welding booths. The manifold system must permit bottled gases to be connected. The manifold system must deliver shielding/welding gases with adequate pressure and flow rate to support and permit welding instruction in all 8 welding booths simultaneously.
- Trailer must contain locking gas cylinder storage, with the capability of locking/securing gas cylinders safely when the trailer is in tow.

Welding booth specifications and equipment:

- Trailer will be fabricated with eight (8) NFPA and OSHA-compliant welding booths.
- Each booth should have a working area of 5' x 5' or greater (width x depth) with a wall height of at least 7'.
 - The bottom of the booth walls should be a minimum of 12'' from the floor of the trailer to permit air circulation.
- Each booth must be equipped with (1) a ready-to-use advanced multi-process welding machine, (2) a digital semiautomatic wire feeder, and (3) a welding equipment package (8 total advanced multi-process welding machines.
 - 8 total digital semiautomatic wire feeders and 8 total welding equipment packages per trailer.

- The preferred multi-process welding machine, wire feeder, and equipment package is a Lincoln Power Wave S350 advanced process welder, Lincoln Powerfeed 84 wire feeder and, Lincoln 84 equipment package which includes a stick electrode holder, a weld cable package, a ground clamp, a lead for stinger, a tig torch, and a foot amptrol. Equivalent multi-process welding machines, digital wire feeders, and welding packages are acceptable, given the equivalent meets or exceeds the capabilities, specifications, and functionality of the preferred model and welding package.
- Each welding booth must be equipped with a fume extractor system. A manifold fume extraction system is preferred, but alternate systems are acceptable, given the working space within each booth is not compromised.
- Each welding booth is to have a tinted vinyl noncombustible welding curtain/screen installed. The welding booth and welding curtain/screen shall permit circulation of air at floor level.
- Each booth must be painted with a low-reflectivity finish in accordance with OSHA regulations.
- Each booth must be equipped with a minimum of 2 hooks for hanging welding equipment (i.e., hood, shields, etc.) AND with a corner shelf (the shelf should be no smaller than 9" x 9" and no larger than 12" x 12").
- Each booth must be equipped with an electrical power supply receptacle providing sufficient electrical power to operate the installed multi-processor welding machine (480V/3 phase power) OR welding machines are to be hard-wired into the 480V/3 phase electrical system.
- Each booth must be equipped with a minimum of one (1) standard dual socket electrical receptacle (110V) in addition to the multi-process welding machine power supply. The 110V electrical receptacle(s) should be placed at a sufficient height to avoid damage from welding equipment (i.e., welding spatter, sparks).

Electrical and Lighting System

- Trailer must be fabricated to operate via a diesel or propane generator(s) AND via connection to a metered electrical panel.
- Trailer must have an electrical connection point on the exterior of the trailer to permit connection to a metered electrical panel AND connection to a generator.
- The electrical system must support inlet 480V/3 phase power via a metered electrical panel AND via a generator.

- The external electrical connection point must distribute power to the trailer's electrical service entry point containing the trailer's electrical control system (i.e., breaker box(es), transformer(s), controls, switches, etc.).
 - The trailer's electrical control system should be housed in a self-contained and walled electrical-mechanical room/area.
- The electrical system must include a transfer switch(es) (located in the electrical-mechanical area) permitting the electrical system to switch between metered electrical inlet power and generator inlet power.
- The electrical system must be designed to distribute power at the proper voltage and amperage to operate all electrical and mechanical components and systems installed on and in each trailer, including the HVAC system, fume extraction system, trailer lighting, awnings, and any and all welding equipment included within the bid specifications.
- The electrical system must be connected to a propane or diesel generator affixed to the front exterior of the welding trailer (this generator must be included in the bid price), with the generator providing sufficient power to permanently and continually operate all electrical and mechanical equipment and systems included in and on the trailer, with the exception of welding machines located in the welding booths operating on 480v/3 phase power and the electrical receptacles located on the exterior of the trailer (detailed below).
 - The welding equipment and exterior electrical receptacles operating on 480V/3 phase power will be powered by an additional generator (NOT included in the bid) when the trailer is not connected to a metered electrical panel.
 - The electrical system must permit inlet 480V/3 phase power via the generator when not connected to a metered electrical panel.
- The electrical system will include a breaker box(es), controls, and a transformer(s) necessary to accept, distribute, convert, and step-down power accordingly for all equipment, systems, and components installed on and in each trailer.
 - The electrical system must accommodate and distribute 480V/3 phase power and 480V-110/240V single phase power. The electrical system will be connected to a generator (diesel or propane) affixed to the front of the trailer. The affixed generator is included in the bid and must provide sufficient power to operate all electrical and mechanical components, equipment, and receptacles that do not require 480V/3 phase power on a continual and permanent basis when not connected to a metered power source. The components, equipment, and systems that must operate by the affixed generator include the HVAC system, lighting, fume extraction, awnings, 110V electrical receptacles in each welding booth, and any and all components, equipment, and systems that do not require 480V/3 phase power.
 - The electrical system of the trailer must also support, convert and distribute 480V/3 phase power to each of the eight (8) multi-process welding machines and to the external electrical receptacles (specifications follow).

- The electrical system must also include all controls and components necessary to permit inlet power from a second generator (not included in the bid), which will provide power to the 480V/3 phase welding equipment when the trailer is disconnected from metered power.
- Trailer must be equipped with a minimum of three (3) exterior 480 V/3 phase electrical receptacles, which are to be located on the awning side of the trailer.
- Trailer must be equipped with a minimum of two (2) exterior 110 V/single phase electrical receptacles (dual socket), which are to be located on the awning side of the trailer.
- All electrical and mechanical equipment and systems must be housed in a self-contained walled room.
 - The equipment and power distribution components housed in the electrical-mechanical room will include, but not be limited to: transformers, fume extraction system power supply (if not installed in a hidden ceiling header), HVAC system equipment, breaker boxes, and electrical controls necessary to operate and switch trailer operations from generators to metered electrical power.
- All internal and external electrical receptacles must be incorporated into the trailer's main electrical and power distribution system (located in the electrical/mechanical room).
- The lighting system in the trailer must be of sufficient lumens for welding instruction to occur during evening hours when there is no external lighting through windows.
- Lighting should be installed throughout the trailer AND within each individual welding booth. Lighting should include LED lighting throughout the trailer AND an LED spotlight(s) in each welding booth.
 - Lighting should be installed in a manner to ensure safety for individuals using welding equipment (i.e., lighting housed within/behind safety enclosure).

HVAC System and Ventilation Specifications

- Trailer will be fabricated with a minimum of a 3-ton, or greater, HVAC system, capable of cooling and heating the entirety of each trailer to permit year-round use in all seasons.
- The HVAC system should include ductwork running throughout the entirety of the trailer.
- The fume extraction system must provide fume extraction from each individual welding booth via a header system with framed-in overhead exhaust fans and/or an overhead-mounted adjustable-positioning fume extraction arm.
- The fume extraction system and HVAC must be of sufficient capacity and work in concert to produce the number of air changes necessary for 8 welding booths, operating simultaneously, and must maintain welding fumes and smoke within safe limits at all times, as defined by OSHA.

Welding Equipment

- Eight (8) multi-process welding machines, with eight (8) digital wire feeders, and eight (8) welding-ready packages, with each package including a drive roll kit, tig torch, stick electrode holder, weld cable package with adaptor and insulating boot, a ground clamp, a lead for stinger, a mig gun (400 amp or greater), and a foot amptrol.
 - Preferred welding and equipment includes: Lincoln Power Wave S350 advanced process welder, Lincoln Powerfeed 84 wire feeder, and Lincoln Powerfeed 84 ready-pak. Equivalent multi-process welding machines, digital wire feeders, and welding packages are acceptable, given the equivalent meets or exceeds the capabilities, specifications, and functionality of the preferred model and welding package.
 - The multi-process welding machines and wire feeders are to be mounted/installed and secured in each welding booth (1 machine and 1 wire feeder per booth) in an overhead position. Each welding machine and wire feeder is to be secured in a manner to permit transport of the trailer with welding machines and feeders in place (welders should not be required to be moved from an overhead position when the trailer is in-tow).
 - The multi-process welding machines are to be connected to 480V/3 phase electrical receptacles.
- One (1) electric tungsten electrode grinder: the grinder must include a universal collet capable of grinding tungsten electrode diameters from .040" (1.0mm) to 3/32" (2.4mm) and as short as .75" (19.5mm) and taper angles from 10° - 60°. The grinder will operate on 110/220 VAC, 50/60Hz voltage. The grinder is to be powered by a single-phase electrical receptacle. The grinder must be permanently mounted, or a mechanism must be provided to secure the equipment for over-the-road transport.
- Eight (8) multi-positioning weld test and positioning stands, with purge gas attachments, adjustable height dimensions between 32"-50", with no-flash cadmium plating.
- One (1) two-stage air compressor installed in the electrical/mechanical room. The compressor must have a minimum 5-HP motor and with a CFM rating of at least 175 PSI.
- One (1) 1000W dual-volt benchtop electrode welding oven with a minimum chamber depth of 19" and minimum chamber diameter of 18". The oven is to be mounted and secured in the electrical/mechanical room, with appropriate power supplied via an electrical receptacle. The oven should be mounted to ensure the oven remains in place when the trailer is in-tow.
- One (1) manual guided strap bender with die and plunger set. The strap bender is to be 15-ton minimum, with a 0.375 (3/8") die and plunger set.
- One (1) plasma cutter, minimum 45 amps, with all necessary power cable(s), and one (1) handheld torch capable of cutting and gouging. The plasma cutter must permit operation using 480V electrical receptacles and supplied power cable(s).

- A Hypertherm 45 XP plasma cutter is preferred. Alternate plasma cutters are acceptable, given the alternate meets or exceeds all performance specifications of a Hypertherm 45 XP and can be connected to the 480V external electrical receptacles.
- Welding rod holders: 8 tig rod holders and 8 stick rod holders
- Minimum of two (2) fire extinguishers. Each fire extinguisher is to be securely mounted on the interior wall of the trailer.

Other

- Detailed drawing/design specifications containing sufficient detail must accompany each bid. The drawings must contain sufficient detail for the College to verify all bid specifications are met.
- Each bid should be accompanied by a portfolio record of a previously completed project(s) of similar scope and complexity to the bid item.
 - The portfolio should contain: (1) a project description, (2) photos of the completed project, and (3) include reference name(s) with contact information.
- Any and all fabricated structures, equipment, features, and components included in and on the interior and exterior of each trailer must be designed to be secured for over-the-road travel. All fabricated structures, equipment, features, and components should be designed to permit trailers to consistently travel over-the-road.
- All fabricated structures, equipment, systems, features, and components must be covered with a complete 12-month warranty from the date of delivery.
 - Warranty must provide at no cost to the College, full repair and/or replacement of any and all fabricated structures, equipment, systems, features, and components included in and on the interior and exterior of the trailer, including all electrical and mechanical components and systems installed on and in the trailer.
 - Warrant costs for specified welding equipment (i.e., welding machines, grinder, plasma cutter, oven, strap bender, air compressor) is NOT the responsibility of the bidder, given a full and complete 12-month warranty is provided by the manufacturer and transferrable to the College.

IV. Delivery Terms: The trailer is to be delivered to a Shelton State Community College instructional site upon completion. Shelton State Community College is located in the State of Alabama, with the instructional site located within Tuscaloosa County. The delivery addresses will be provided upon bid award.

- The trailer must be delivered within 135 days from the date of bid award notification and receipt of a purchase order.

Contact for bid specifications questions: Grant Cockrell, gcockrell@sheltonstate.edu