

INVITATION TO BID	LSU	BID DUE DATE AND TIME	
BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL & MECHANICAL COLLEGE		10/20/2020	11:00 AM
SOLICITATION RFQ-0000001255 SUPPLIER # SUPPLIER NAME AND ADDRESS <div data-bbox="196 426 784 632" style="border: 1px solid black; height: 100px; width: 100%;"></div>		RETURN BID TO Louisiana State University and Agricultural and Mechanical College Procurement 213 Thomas Boyd Hall Baton Rouge, LA 70803 Buyer Alexandra Torres Huber Buyer Phone +1 (225) 578-9398 Buyer Email atorre6@lsu.edu Issue Date 09/25/2020	
TITLE: FIRE BEHAVIOR PROPS AND TRAILER			
To Be Completed By Supplier			
1. _____ "No Bid" (sign and return this page only). 2. _____ My Company does not wish to receive future solicitations for this spend category. 3. Specify your Delivery: To be made within _____ days after receipt of order. 4. If applicable, Supplier's Addendum Acknowledgement/Response: As an authorized agent/signatory of the supplier, I/we acknowledge receipt of this Addendum, and _____ submit no alterations/clarifications to our original bid. _____ submit superseding revisions/clarifications to our original bid as written herein or attached hereto.			
General Instructions to Suppliers			
1. Sealed bids for furnishing the items and/or services specified are hereby solicited, and will be received by LSU Procurement at the "Return Bid To" address stated above, until the specified due date and time. 2. Read the entire solicitation, including all terms, conditions and specifications. 3. All bid information and prices must be typed or written in ink. Any corrections, erasures or other forms of alteration to unit price are to be initialed by the supplier. 4. Bid prices are to be quoted FOB LSU/Destination and inclusive of any and all applicable shipping and handling charges unless otherwise specified in the solicitation. Any invoiced delivery charges not quoted and itemized on the LSU purchase order are subject to rejection and non-payment. 5. Payment is to be made within 30 days after receipt of properly executed invoice, or delivery and acceptance, whichever is later. 6. By signing this solicitation, the supplier certifies compliance with all general instructions to suppliers, terms, conditions and specifications; and further certifies that this bid is made without collusion or fraud.			
SUPPLIER NAME	MAILING ADDRESS		
AUTHORIZED SIGNATURE	CITY, STATE ZIP		
PRINTED NAME	PHONE #		
TITLE	FAX #		
E-MAIL	FEDERAL TAX ID #		

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These standard terms and conditions shall apply to all LSU solicitations, unless otherwise specifically amended and provided for in the special terms and conditions, specifications, or other solicitation documents. In the event of conflict between the General Instructions to Suppliers or Standard Terms & Conditions and the Special Terms & Conditions, the Special Terms & Conditions shall govern.

Bids submitted are subject to provisions of the laws of the State of Louisiana, including but not limited to: the University Procurement Code (LAC 34:XIII. Chapters 3-25) and the terms, conditions, and specifications stated in this solicitation.

1. Supplier Enrollment

Suppliers providing a bid/quote in response to a LSU solicitation must be setup in the University's new procurement system (Workday) for bid tabbing and award of a purchase order. Suppliers should complete the online supplier registration form prior to submitting a bid response and/or the bid due date and time to ensure bid tabbing can be done timely after the bid deadline. This website is used in place of a paper form and must be accompanied with an IRS Request for Taxpayer Identification Number and Certification form (W-9 or W-8 if foreign) to collect the required business and tax information that support the University's reporting and compliance requirements. To inquire if you or your company is setup or for questions regarding setup, email suppliers@lsu.edu. The supplier enrollment form can be located at: http://www.lsu.edu/administration/ofa/procurement/supplier_registration.php

2. Bid Delivery and Receipt

Bids must be received and time-stamped at the "Return Bid To" address no later than the due date and time specified herein. To assure consideration, your bid must be submitted in a sealed envelope or package and should be clearly and prominently marked with the solicitation number and bid due date, or may be submitted in the special bid return envelope if one was furnished for that purpose.

Supplier are advised that the U.S. Postal Service does not make deliveries to our physical location. USPS mail is delivered to the University's mail center and is redelivered using internal resources. Suppliers may deliver bids by hand or by a courier service to the Procurement Office. The University shall not be responsible for any delays caused by the supplier's chosen means of bid delivery. Supplier is solely responsible for the timely delivery of its bid, and failure to meet the bid due date and time shall result in rejection of the bid. Late bids cannot be accepted per LAC 34:XIII.515.B.

3. Bid Forms

Bids are to be submitted on the LSU solicitation forms provided, and must be signed by an authorized agent of the supplier in accordance with LAC 34:XIII.517. Bids submitted on other forms or in other price formats may be considered informal and may be rejected in part or in its entirety. Bids submitted in pencil and/or bids containing no original signature indicating the supplier's intent to be bound will not be accepted. Bid submissions should not be spiral bound.

4. Interpretation of Solicitation/Supplier Inquiries

If supplier is in doubt as to the meaning of any part or requirement of this solicitation, supplier may submit a written request for interpretation to the Buyer-of-Record at the address and/or fax number shown above. Written inquiries must be received in the Procurement Office no later than 4:30 pm CST four (4) business days prior to the opening of bids, and shall be clearly crossreferenced to the relevant solicitation/specification in question.

No decisions or actions shall be executed by any supplier as a result of oral discussions with any LSU employee or consultant. Any interpretation of the documents will be made by formal addendum only, issued by the Procurement Office, and mailed or delivered to all suppliers known to have received the solicitation. LSU shall not be responsible for any other interpretations or assumptions made by supplier.

5. Bid Addenda

Bid Addendum is to be signed and returned with your bid. If you have already submitted your bid, and this Addendum creates a need to revise/clarify your original response in any way, you are required to submit such in writing. To be considered, your addendum response must be submitted to and received by LSU Procurement at the "Return Bid To" address stated above. Submittals for price alterations and addenda to bids must be clearly marked with the solicitation number and the bid due date/time and returned via fax, email, courier service, hand delivery, or USPS mail. Bid revisions received after bid opening cannot be considered, whereupon the supplier must either honor or withdraw its original bid.

6. Bid Opening

Suppliers may attend the public bid opening of sealed bids. No information or opinions concerning the ultimate contract award will be given at bid opening or during the evaluation process. Written bid tabulations will not be furnished.

7. Special Accommodations

Any "qualified individual with a disability" as defined by the Americans with Disabilities Act, who has submitted a bid and desires to attend the public bid opening, must notify the Procurement Office in writing not later than seven days prior to the bid opening date of their need for special accommodations. If the request cannot be reasonably provided, the individual will be informed prior to the bid opening.

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8. Standards of Quality

Any product or service bid shall conform to all applicable federal, state and local laws and regulations, and the specifications contained in the solicitation. Any manufacturer's name, trade name, brand name, or catalog number used in the specification is for the purpose of describing the standard of quality, performance, and characteristics desired; and is not intended to limit or restrict competition. Supplier must specify the brand and model number of the product offered in his bid. Bids not specifying brand and model number shall be considered as offering the exact product specified in the solicitation.

9. New Products/Warranty/Patents

All products bid for purchase must be new, never previously used, of the manufacturer's current model and/or packaging, and of best quality as measured by acceptable trade standards. No remanufactured, demonstrator, used or irregular products will be considered for purchase unless otherwise specified.

The manufacturer's standard published warranty and provisions shall apply, unless more stringent warranties are otherwise required by LSU and specified in the solicitation. In such cases, the supplier and/or manufacturer shall honor the specified warranty requirements, and bid prices shall include any premium costs of such coverage.

Supplier guarantees that the products proposed and furnished will not infringe upon any valid patent or trademark; and shall, at its own expense, defend any and all actions or suits charging such infringement, and shall save LSU harmless.

10. Descriptive Information

Suppliers proposing an equivalent brand or model are to submit with the bid descriptive information (such as literature, technical data, illustrations, etc) sufficient for LSU to evaluate quality, suitability, and compliance with the specifications. Failure to submit descriptive information may cause bid to be rejected. Any changes made by supplier to a manufacturer's published specifications shall be verifiable by the manufacturer. If items bid do not fully comply with specifications, supplier must state in what respect items deviate. Supplier's failure to note exceptions in its bid will not relieve the supplier from supplying the actual products requested.

11. Bids/Prices/F.O.B. Point

- The bid price for each item is to be quoted on a "net" basis and F.O.B. LSU Destination, i.e. title passing upon receipt and inclusive of all delivery charges, any item discounts, etc.
- Bids other than F.O.B. LSU Destination may be rejected.
- Bids indicating estimated freight charges may be rejected.
- Bids requiring deposits, payment in advance, or C.O.D. terms may be rejected.
- Suppliers who do not quote "net" item prices and who separately quote an overall "lump sum" freight cost or discount for all items shall be considered as submitting an "all-or-none" bid for evaluation and award purposes; and risk rejection if award is made on an item or grouped basis.
- Prices shall be firm for acceptance for a minimum of 30 days, unless otherwise specified. Bids conditioned with shorter acceptance periods may be rejected.
- Prices are to be quoted in the unit/packaging specified (e.g. each, 12/box, etc), or may be rejected.
- In the event of extension errors, the unit price bid shall prevail.

12. Taxes

Supplier is responsible for including all applicable taxes in the bid price. LSU is exempt from all Louisiana state and local sales and use taxes. By accepting an award, resident and non-resident firms acknowledge their responsibility for the payment of all taxes duly assessed by the State of Louisiana and its political subdivisions for which they are liable, including but not limited to: franchise taxes, privilege taxes, sales taxes, use taxes, ad valorem taxes, etc.

13. Terms and Conditions

This solicitation contains all terms and conditions with respect to the purchase of the goods and/or services specified herein. Submittal of any contrary terms and conditions may cause your bid to be rejected. By signing and submitting a bid, supplier agrees that contrary terms and conditions which may be included in its bid are nullified.

14. Supplier Forms/LSU Signature Authority

The terms and conditions of the LSU solicitation and purchase order/contract shall solely govern the purchase agreement, and shall not be amended by any supplier contract, form, etc.

The University's chief procurement officer, or authorized designee, is delegated sole authority to execute/sign any supplier contracts, forms, etc, on behalf of LSU. Departments are expressly prohibited from signing any supplier forms. Any such supplier contracts/forms bearing unauthorized signatures shall be null and void, shall have no legal force, and shall not be recognized by LSU in any dispute arising therefrom. Suppliers who present any such forms to department users for signature without regard to this strict LSU policy may face contract cancellation, suspension, and/or debarment.

15. Awards

Award will be made to the lowest responsible and responsive supplier. LSU reserves the right: (1) to award items separately, grouped, or on an all-or-none basis, as deemed in its best interest; (2) to reject any or all bids and/or items; and (3) to waive any informalities.

All solicitation specifications, terms and conditions shall be made part of any subsequent award as if fully reproduced and included therein, unless specifically amended in the formal contract.

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16. Acceptance of Bid

Only the issuance of an official LSU purchase order/contract, a Notification of Award letter, or a Notification of Intent to Award letter shall constitute the University's acceptance of a bid. LSU shall not be responsible in any way to a supplier for goods delivered or services rendered without an official purchase order/contract or award letter. Bid tabulations may be requested after acceptance of bid.

17. Applicable Law

All contracts shall be construed in accordance with and governed by the laws of the State of Louisiana.

18. Awarded Products/Unauthorized Substitutions

Only those awarded brands and numbers stated in the LSU contract are approved for delivery, acceptance, and payment purposes. Any substitutions require prior approval of the Procurement Office. Unauthorized product substitutions are subject to rejection at time of delivery, post-return at supplier's expense, and non-payment.

19. Testing/Rejected Goods

Supplier warrants that the products furnished will be in full conformity with the specification, drawing or sample, and agrees that this warranty shall survive delivery, acceptance, and use. Any defect in any product may cause its rejection. LSU reserves the right to test products for conformance to specifications both prior to and after any award. Supplier shall bear the cost of testing if product is found to be non-compliant. All rejected goods will be held at supplier's risk and expense, and subject to supplier's prompt disposition. Unless otherwise arranged, rejected goods will be returned to the supplier freight collect.

20. Delivery

Supplier is responsible for making timely delivery in accordance with its quoted delivery terms. Supplier shall promptly notify the LSU Department and/or Procurement Office of any unforeseen delays beyond its control. In such cases, LSU reserves the right to cancel the order and to make alternative arrangements to meet its needs.

21. Default of Supplier

Failure to deliver within the time specified in the bid/award will constitute a default and may be cause for contract cancellation. Where the University has determined the supplier to be in default, LSU reserves the right to purchase any or all goods or services covered by the contract on the open market and to surcharge the supplier with costs in excess of the contract price. Until such assessed surcharges have been paid, no subsequent bids from the defaulting supplier will be considered for award.

22. Supplier Invoices

Invoices shall reference the LSU purchase order number, supplier's packing list/delivery ticket number, shipping/delivery date, etc. Invoices are to be itemized and billed in accordance with the order, and submitted on the supplier's own invoice form. Invoices submitted by the supplier's third party supplier are not acceptable.

23. Delinquent Payment Penalties

Delinquent payment penalties are mandated and governed by Louisiana R.S. 39:1695. Supplier penalties to the contrary shall be null and void, shall have no legal force, and shall not be recognized by LSU in any dispute arising therefrom.

24. Assignment of Contract/Contract Proceeds

Supplier shall not assign, sublet or transfer its contractual responsibilities, or payment proceeds thereof, to another party without the prior written consent and approval of the Procurement Office. Unauthorized assignments of contract or assignments of contract proceeds shall be null and void, shall have no legal force, and shall not be recognized by LSU in any dispute arising therefrom.

25. Right to Piggyback

Where this solicitation may name one department as the primary contract user, LSU reserves the right to authorize additional departments/campuses to use the contract as their needs arise; and Vendor shall honor all such purchase orders.

26. Contract Cancellation

LSU has the right to cancel any contract for cause, in accordance with procurement rules and regulations, including but not limited to: (1) failure to deliver within the time specified in the contract; (2) failure of the product or service to meet specifications, conform to sample quality or to be delivered in good condition; (3) misrepresentation by the supplier; (4) fraud, collusion, conspiracy or other unlawful means of obtaining any contract with the University; (5) conflict of contract provisions with constitutional or statutory provisions of state or federal law; (6) any other breach of contract. LSU has the right to cancel any contract for convenience at any time by giving thirty (30) days written notice to the supplier. In such cases, the supplier shall be entitled to payment for compliant deliverables in progress.

27. Prohibited Contractual Arrangements

Per Louisiana R.S. 42:1113.A, no public servant, or member of such a public servant's immediate family, or legal entity in which he has a controlling interest shall bid on or enter into any contract, subcontract, or other transaction that is under the supervision or jurisdiction of the agency of such public servant. See statute for complete law, exclusions, and provisions.

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28. Equal Employment Opportunity Compliance

By submitting and signing this bid, supplier agrees to abide by the requirements of the following as applicable: Title VI and VII of the Civil Rights Act of 1964, as amended by the Equal Opportunity Act of 1972; federal Executive Order 11246; federal Rehabilitation Act of 1973, as amended; the Vietnam Era Veteran's Readjustment Assistance Act of 1974; Title IX of the Education Amendments of 1972; the Age Act of 1975; the Americans with Disabilities Act of 1990. Supplier agrees not to discriminate in its employment practices, and will render services under any contract entered into as a result of this solicitation without regard to race, color, religion, sex, age, national origin, veteran status, political affiliation, handicap, disability, or other non-merit factor. Any act of discrimination committed by supplier, or failure to comply with these statutory obligations when applicable, shall be grounds for termination of any contract entered into as a result of this solicitation.

29. Mutual Indemnification

Each party hereto agrees to indemnify, defend, and hold the other, its officers, directors, agents and employees harmless from and against any and all losses, liabilities, and claims, including reasonable attorney's fees arising out of or resulting from the willful act, fault, omission, or negligence of the indemnifying party or of its employees, contractors, or agents in performing its obligations under this agreement, provided however, that neither party hereto shall be liable to the other for any consequential damages arising out of its willful act, fault, omission, or negligence.

30. Certification of No Suspension or Debarment

By signing and submitting this bid, supplier certifies that its company, any subcontractors, or principals thereof, are not suspended or debarred under federal or state laws or regulations. A list of parties who have been suspended or debarred by federal agencies is maintained by the General Services Administration and can be viewed on the internet at www.sam.gov.

31. Right to Audit

The University shall be entitled to audit the books and records of a supplier or any subcontractor under any negotiated contract or subcontract to the extent that such books and records relate to the performance of such contract or subcontract. Such books and records shall be maintained by the supplier for a period of five (5) years from the date of final payment under the prime contract and by the subcontractor for a period of five (5) years from the date of final payment under the subcontract, pursuant to LAC 34:XIII.1603.

32. Diverse Supplier

(a) Supplier understands that LSU, as the state's flagship university, has an interest in providing entrepreneurial opportunities to diversity-owned businesses. The university is dedicated to promoting the growth and development of minority, women, and small and historically underutilized businesses ("Diverse Businesses") by providing opportunities to participate in university contracts.

(b) In support of this commitment, the supplier shall use good faith and best efforts to provide opportunities to Diverse Businesses that are either certified by the state or another certifying agency in a diverse category, as a subcontractor or supplier under this agreement.

(c) If applicable, supplier shall provide LSU with a list of diversity-owned businesses during each contract year, the list of businesses should identify: (1) the name of the business; (2) its principal office or address; (3) the owner(s); and (4) the services or goods that it may provide or supply and the value of the goods or services procured from the businesses included on supplier's list.

(d) To the extent that any federal or state law, rule, or regulation would require that this section be modified or voided, the parties agree that such provision can be amended or severed from the agreement without affecting any of the other terms of the agreement.

33. Data Privacy

By signing and submitting this bid, I hereby authorize that all information provided in this solicitation, including any and all personal or company data may be shared with LSU departments, suppliers and other governmental agencies to facilitate procurement transactions. This data will be retained according to LSU's retention schedule. To learn more about privacy at LSU, please see the [LSU Privacy Statement](#).

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1. Bid prices are to be quoted FOB LSU/DESTINATION and inclusive of any and all applicable shipping and handling charges.

2. A preference, if applicable, may be allowed for products produced, manufactured, assembled, grown or harvested in Louisiana. Do you claim this preference? Yes _____ No _____. Note: Preferences shall not apply to service contracts. Is your Louisiana business workforce composed of a minimum of fifty percent Louisiana residents? Yes _____ No _____. Specify Item Number and location within Louisiana where the product is/was produced, manufactured, assembled, grown or harvested:

_____ Note: This preference is not applicable for services.

3. Due to the COVID-19 emergency, LSU Procurement Services is suspending in-person attendance at public bid openings conducted by LSU Procurement Services. The LSU campus is closed to non-essential personnel making the receipt of physical bids impossible. Therefore, bids must be submitted electronically to LSU Procurement Services until further notice.

Bids must be emailed to lsubids@lsu.edu (This email address should be used for bid submissions only).

When submitting electronically, the RFQ number and solicitation title should be listed in the subject line of the email. If you have submitted a bid through USPS, FedEx, UPS or another mail carrier, it is your responsibility to send an additional copy electronically. Neither the physical bids nor late bids will be accepted. Any supplier who would like to view the opening of this bid can access the following link: <https://lsu.zoom.us/j/8446122222>. The link will be live at 11:00 AM CST on the date of bid opening and will provide live audio and video access to this bid opening. Bid opening will begin at 11:10 AM CST to allow for all attendees to get logged in and signed in. Requests for bid tabulations and solicitation inquiries should be directed to the Buyer-of-Record listed on the solicitation.

4. Please note attached insurance requirements. Successful bidder will be required to furnish a certificate of insurance evidencing required coverages and naming the Board of Supervisors of Louisiana State University and Agricultural and Mechanical College as an additional insured on all liability policies.

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ITEM NO.	ITEM DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENDED AMOUNT
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UNLESS SPECIFIED ELSEWHERE, SHIP ALL ITEMS TO:
LSU
6868 Nicholson Dr
Baton Rouge, LA 70820

1	GROUP A: Mobile Fire Behavior Simulator prop (to be used with trailer) per attached specifications Specify Manufacturer / Brand Bid: _____ Specify Model / Number Bid: _____	1	Each	\$ _____	\$ _____
2	GROUP A: 2nd Mobile Fire Behavior Simulator prop (without trailer) per attached specifications Specify Manufacturer / Brand Bid: _____ Specify Model / Number Bid: _____	1	Each	\$ _____	\$ _____
3	GROUP B: Trailer for Fire Behavior Simulator Prop per attached specifications Specify Manufacturer / Brand Bid: _____ Specify Model / Number Bid: _____	1	Each	\$ _____	\$ _____

Mobile Fire Behavior Simulator Prop and Trailer

PURPOSE:

To obtain competitive bids for the purchase of a Mobile Fire Behavior Simulator Prop(s) and trailer. The target audience is the state of Louisiana municipal fire service. The mobile prop will primarily cater to students who cannot attend onsite training. The regional program focuses on delivery of classes to firefighters across the state of Louisiana. The fire behavior simulator prop is a significant training aid in training firefighters in recognition of pending hostile fire events and a key training in the nationwide firefighter intuitive program of firefighter survival and reducing line of duty deaths on the fire ground.

AWARD:

GROUP AWARD: Award will be made to the lowest responsible, responsive supplier PER GROUP.

Upon award, a PO will be issued for one (1) Fire Behavior Simulator Prop and one (1) trailer. It is the intent of the university to award a second Fire Behavior Simulator Prop (no trailer) contingent upon grant funding, which is expected to be finalized September 2020. The University reserves the right to not award the second Fire Behaviour Simulator Prop if deemed in our best interest.

LICENSE:

A Louisiana motor vehicle dealers license is required for the purchase of the trailer. The trailer supplier must be properly licensed by the Louisiana Motor Vehicle Commission. **Suppliers bidding on the trailer should include a copy of a valid dealer's license issued under the provisions of R.S. 32:1254 with their bid.**

DELIVERY OF 1ST PROP AND TRAILER:

Trailer must be received no later than 60 days from date of award. Trailer must be received prior to fire Behavior Simulator Prop.

Fire Behavior Simulator Prop must be received no later than August 20, 2021.

DELIVERY OF 2nd Prop (if ordered):

Delivery must take place no later than 180 days after order.

DELIVERY LOCATION:

Trailer to be delivered to LSU FETI 6868 Nicholson Drive Baton Rouge, Louisiana 70820 – Once the trailer has been received LSU FETI will coordinate trailer delivery to the prop

manufacturer for mounting to the trailer and will take acceptance at the manufacturer location once mounting is complete.

Delivery of the 2nd prop – this is a stand alone fixed site unit and delivery must be to LSU FETI 6868 Nicholson Drive Baton Rouge, Louisiana 70802

PRE-CONSTRUCTION MEETING

Before construction of trailer, there must be a pre-construction meeting with FETI personnel to ensure proper placement of certain items on the trailer. All costs associated with this onsite meeting (travel, lodging, etc.) must be included in the bid price.

WARRANTY:

All fire behavior simulator props and trailer must come with a standard manufacturer warranty.

EXHIBITS:

Exhibit A- Fire Behavior Simulator Prop Specifications (to be used with trailer)

Exhibit B- Specifications for Fire Behavior Prop Trailer

Exhibit C- 2nd Fire Behavior Simulator Prop Specifications- No Trailer

Exhibit D- Example Picture (shows flashover to be mounted on trailer with measurements)

Fire Behavior Simulator Prop Specifications (to be used with trailer)

- Size dimensions for the Fire Behavior Simulator prop to follow:
 - Orientation must be burn chamber to the rear of trailer and Observation Box to nose
 - Observation Box must be 20-foot in length by 8-foot width
 - Burn Chamber must be 10-foot in length by 8-foot width
 - Overall unit height when on trailer not to exceed 13-foot 6-inches when on trailer
 - Burn chamber must include a retractable loading dock
 - Retractable loading dock shall be 6-foot in length and 8-foot in width
 - Overall unit with retractable loading dock extended will not be more than 36-foot
 - Burn Chamber shall be 36 inches minimum above the floor of the Observation Box
- Fire behavior simulator must meet all applicable 1402 and 1403 training standards.
- Must be a trailer mounted unit utilizing twist lock mechanisms for securement to provided trailer. Trailer to be provided by LSU.
- Unit must have high performance insulation protection for up to 2300 degrees.
- Exterior must be constructed of 16-gauge steel
- The interior insulation protection must have a covering of 11-gauge sheet metal for added protection.
- Flooring of container must be of a minimum of 10-gauge steel.
- Interior burn chambers for the purpose of holding Class A materials must have a minimum of 5/16 inch chains on walls, ceiling and doors.
- Unit must have a controllable ventilation system.
- The controllable ventilation system must have the controls located at the front of the observation box near the burn chamber for instructor control.
- Burn chamber must have a 55-gallon crib fire drum included in package.
- Rear door area of observation box must include a hose access panel in the lower corner.
- Observation box must include a baffle with a baffle latch for positioning of the baffle.

- Observation box must have extended ceiling insulation installed and covered extending at a minimum to the overhead baffle.
- Stairs must be provided and available to be placed on either side of the retractable loading dock for burn chamber loading access.
- Hand rails and / or chain guards must be provided for easy installation around the retractable loading dock.
- Loading dock must be constructed to work in conjunction with twist lock system.
- Loading dock, railings and kick plates must be painted with a yellow color paint with or equivalent to Sherwin Williams RAL 1003.
- The observation box must have two side access doors for students to enter the observation box.
- Doors on the observation box must be outward swinging doors.
- Walk up entrance ramps must be attached in a fold-up and fold-down configuration for students to enter the observation box.
 - Walk-up ramps to be 7-foot 9-inches in length and no more than 4-foot wide
- Walk up ramps must be painted with a yellow color paint with or equivalent to Sherwin Williams RAL 1003.
- Walk up ramps must have some sort of safety and securement mechanism for locking out the ramps in the up right position when the prop is in transport.
- All interior and exterior surfaces shall be painted with a Red Oxide paint with or equivalent to Sherwin Williams RAL 3009 paint.
- The burn chamber will be painted with a Red Oxide paint with or equivalent to Sherwin Williams RAL 3009 paint on the exterior portion of the burn chamber only. No interior paint.
- 2 Low flow rate nozzles equivalent to Akron Model Number SF125 must be provided with unit.

TRAINING AND MATERIALS

- Supplier must provide onsite training and delivery of training materials in a hardcopy and/or electronic format. This is required for the initial order of the first fire behavior training prop/trailer and the second fire behavior training prop (if ordered).

- Onsite Training: A training curriculum package must be provided by the manufacturer within 30 days after delivery of the prop. The onsite (at FETI location in Baton Rouge) training shall include a two-day train the trainer course, for a minimum of 10 students that includes safe burning and manufacturer burning guidelines for the unit. All costs associated with providing this training/materials shall be included in total bid price.
- Materials: The curriculum package must be delivered in hardcopy and/or electronic format for the purpose of delivering consistence in burning the prop the same way each time. Materials should be provided upon delivery of the prop.
- The complete package must cover operation and maintenance of the unit including but not limited to a package of standard operating procedures (SOP's) for the care and maintenance of the system.

Exhibit B- Specifications for Fire Behavior Prop Trailer

FRAME	GVWR: 90,000 lbs	Beam rating in 16':
	Type: double drop	
	Neck Type: Fixed Gooseneck – Narrow Arched Drop	
	Extendable: No	
Length	Overall Length: 42' 0"	
	Gooseneck Length: 10' 0"	
	Rear Deck Length: 9' 8"	
	Well Length: 22' 4"	
	Swing Clearance: 82"	
	<u>Rear deck to be flat, approximately 10' 6" long, trailer well to be approximately 21' long</u>	
Width	(minimum) 97" - 102" (maximum); delete pockets, spools and rubrail	
Beams	2 main beams (standard on 43" beam centers)	
	Inner Beam Flange: Steel: 5/8" x 7" top flange & 5/8" by 7" bottom flange	
	Web Thickness: Steel: ¼" thickness	
	Inner Beam Depth: 14" – double drop only	
	Beam Holes: None	
Well Deck Height	20" well deck height when loaded	
Rear Deck Height	35" – drop deck (BG/Dia/Plat – Based on 17.5" tires)	
	<u>Cross members on 14" centers</u>	
Fifth Wheel Height	49"	
King Pin	16"	
Side Rail	6" structural side rail- no pockets, spools or rub rail	
	Stake Pockets: None	
	Conspicuity Tape on side rails	
Front & Rear Plates	Front: Steel with beveled corners, NO stake pockets – REAR: Steel NO Stake pockets and no rub rail	
	Flag Holders: None	
	Rubber Dock Bumpers: None	

Exhibit B- Specifications for Fire Behavior Prop Trailer

Drop Plate	None – narrow neck
Knee Braces	None
Paint	Black
Flooring	NO flooring in well, Steel flooring over rear deck NO load hook track in floor
Landing Gear	Jost Fleetcraft J-Handle (or equivalent): Road type
Rear Enclosure	Open steel rear end, lights in rear sill
Lower Deck Nose	None
Pull-Outs	None
Outriggers	None
L Type Chain Anchors	None
Perimeter D-rings	None
Suspensions & Axles	GAWR: 20,000 lbs Number of Axles: 2 Suspension Type: Air ride suspension – Hendrickson – HT250 (or equivalent) Axle Type: Watson Chalin 25k axle (or equivalent) Sliding Axles: None Axle Spacing: 54" Overhang 36" Steerable Axle: None Lift Kits: None Axle Straps: None Axle Spindle Type: N-type (all axles)
Brake Type	Drum brakes – spring brakes with auto adjusters Hub Type: Cast – hub piloted Drum Type: Cast Brake Dust Covers: None
Bearing Lubricant	Synthetic Semi Solid Grease
Hub-O-Meter	None

Exhibit B- Specifications for Fire Behavior Prop Trailer

Inflation System	None
Tires & Wheels	8 tires and wheels in this configuration
Tires	Continental (tier 2) 235/75R17.5 (J) – HTL2 Eco Plus – 125 psi (or equivalent)
Outer Wheel	17.5” standard duty steel – color white
Inner Wheel	17.5” standard duty steel – color white
Spare Tire	None
Spare Wheel	None
Tire Carrier	None

Lights

- Rear Lights 4-3-4 Light pattern – center 3 are micro dot lights. Outer are 4” LED
- Side Marker Lights: 3 pair of micro dot lights

Air & Electrical

- Anti Lock Braking System: Meritor 4S/2M (or equivalent)
- Air & Electrical Connector (standard) one set of Glad Hands and 7 way connector
- Air Raise & Lower Valve: None
- Dump Valve: Manual Dock Dump Valve

Load Securement	None
Container Locks	Two (2) pair of locks for 20’ Can in well as far back as possible and one (1) pair of locks on rear deck for 10’ Can set so front Can and rear Can are set almost against each other. Rear Can locks need to be set approx. 7” off of floor (see attached drawing for Can set to be mounted on trailer).

Load Bunks and Bulkheads: None

Tool Boxes and Racks: None

Fire Behavior Simulator Prop Specifications (2nd Prop; no trailer)

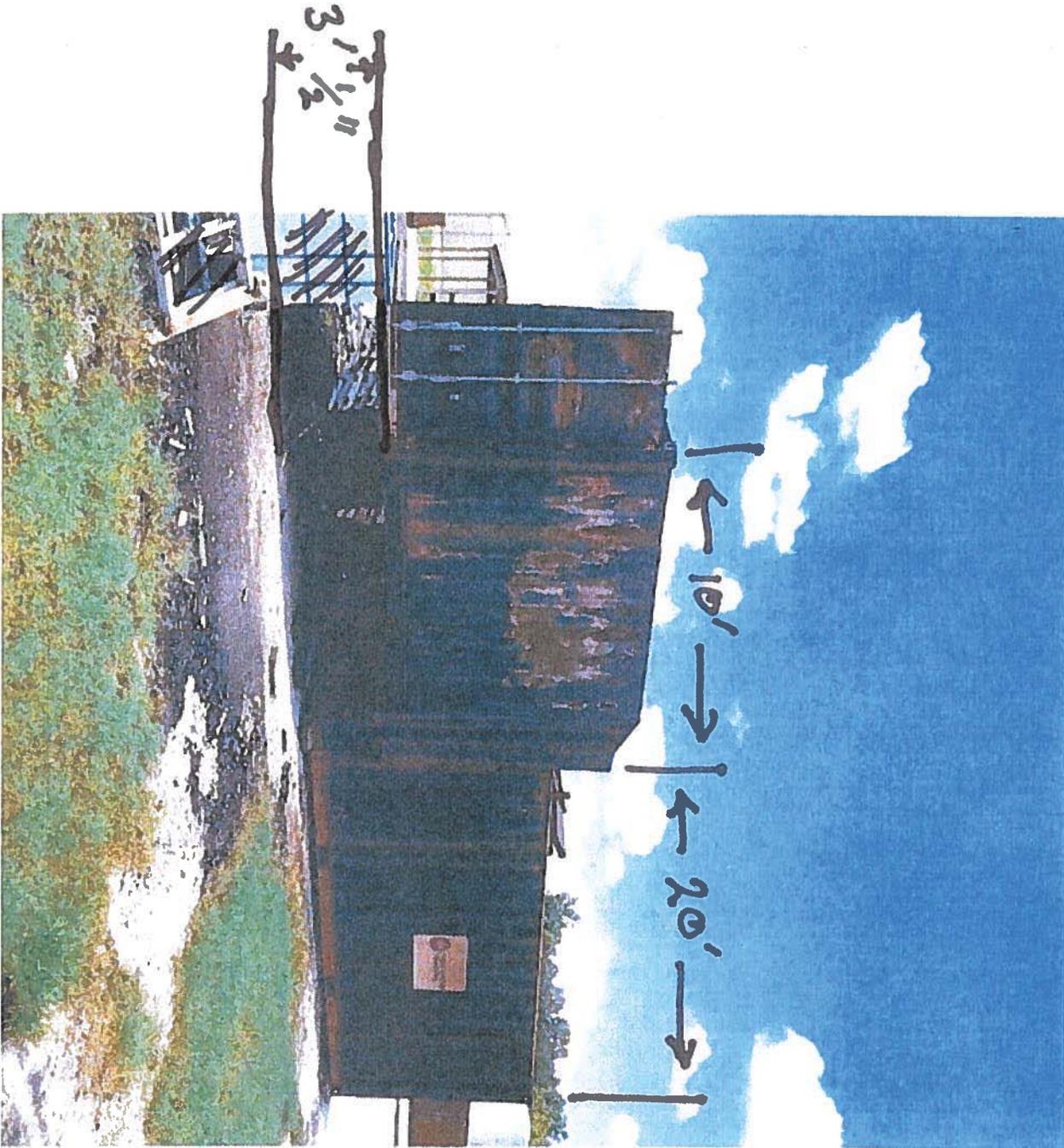
- Size dimensions for the Fire Behavior Simulator prop to follow:
 - Observation Box must be 20-foot in length by 8-foot width
 - Burn Chamber must be 10-foot in length by 8-foot width
 - Burn chamber must include a retractable loading dock
 - Retractable loading dock shall be 6-foot in length and 8-foot in width
 - Overall unit with retractable loading dock extended will not be more than 36-foot
 - Burn Chamber shall be 36 inches minimum above the floor of the Observation Box
- Fire behavior simulator must meet all applicable 1402 and 1403 training standards.
- Unit must have high performance insulation protection for up to 2300 degrees.
- Exterior must be constructed of 16-gauge steel
- The interior insulation protection must have a covering of 11-gauge sheet metal for added protection.
- Flooring of container must be of a minimum of 10-gauge steel.
- Interior burn chambers for the purpose of holding Class A materials must have a minimum of 5/16 inch chains on walls, ceiling and doors.
- Unit must have a controllable ventilation system.
- The controllable ventilation system must have the controls located at the front of the observation box near the burn chamber for instructor control.
- Burn chamber must have a 55-gallon crib fire drum included in package.
- Rear door area of observation box must include a hose access panel in the lower corner.
- Observation box must include a baffle with a baffle latch for positioning of the baffle.
- Observation box must have extended ceiling insulation installed and covered extending at a minimum to the overhead baffle.
- Stairs must be provided and available to be placed on either side of the retractable loading dock for burn chamber loading access.

- Hand rails and / or chain guards must be provided for easy installation around the retractable loading dock.
- Loading dock, railings and kick plates must be painted with a yellow color paint with or equivalent to Sherwin Williams RAL 1003.
- The observation box must have two side access doors for students to enter the observation box.
- Doors on the observation box must be outward swinging doors.
- All interior and exterior surfaces shall be painted with a Red Oxide paint with or equivalent to Sherwin Williams RAL 3009 paint.
- The burn chamber will be painted with a Red Oxide paint with or equivalent to Sherwin Williams RAL 3009 paint on the exterior portion of the burn chamber only. No interior paint.
- 2 Low flow rate nozzles equivalent to Akron Model Number SF125 must be provided with unit.

TRAINING AND MATERIALS

- Supplier must provide onsite training and delivery of training materials in a hardcopy and/or electronic format. This is required for the initial order of the first fire behavior training prop/trailer and the second fire behavior training prop (if ordered).
- Onsite Training: A training curriculum package must be provided by the manufacturer within 30 days after delivery of the prop. The onsite (at FETI location in Baton Rouge) training shall include a two-day train the trainer course, for a minimum of 10 students that includes safe burning and manufacturer burning guidelines for the unit. All costs associated with providing this training/materials shall be included in total bid price.
- Materials: The curriculum package must be delivered in hardcopy and/or electronic format for the purpose of delivering consistence in burning the prop the same way each time. Materials should be provided upon delivery of the prop.
- The complete package must cover operation and maintenance of the unit including but not limited to a package of standard operating procedures (SOP's) for the care and maintenance of the system.

Exhibit D- Example Picture



Insurance Minimum Limits and Requirements for Standard Contractor/Vendor Agreements



INSURANCE

The Board of Supervisors of Louisiana State University and Agricultural and Mechanical College (henceforth referred to as "University") requires contractors/vendors to procure the below minimum limits. The insurance must be maintained for the duration of work performed for or on behalf of the University, and for the length of any agreement with the University. Failure to maintain the required insurance throughout the term of the Agreement shall be a material breach, and shall entitle University to all remedies provided for in the Agreement, or by operation of law. The minimum insurance requirements described herein do not in any way limit the contractor/vendors' financial responsibilities as outlined in the agreement's Indemnification requirements. Therefore, the contractor/vendor may opt to have broader coverage and limits to satisfy its financial obligations.

Workers' Compensation

Workers' Compensation insurance shall be in compliance with the laws of the state in which the company is domiciled. Employer's Liability shall be included with a minimum limit of \$1,000,000 per accident/per disease/per employee. If Contractor/vendor is exempt from workers' compensation or fails to provide appropriate coverage, then the Contractor/vendor is or agrees to be solely responsible and hold harmless the University for the injuries of any owners, agents, volunteers, or employees during the course of the agreement.

Commercial General Liability (CGL)

Commercial General Liability insurance shall be maintained on an "occurrence" basis, including property damage, bodily injury, products & completed operations, and personal & advertising injury with limits not less than \$1,000,000 per occurrence and \$2,000,000 aggregate on Insurance Services Office Form CG 00 01, ISO 2007 edition or equivalent.

Automobile Liability

Automobile Liability Insurance shall have a minimum combined single limit per accident of \$1,000,000 on ISO form number CA 00 01 or equivalent. This insurance shall include third-party bodily injury and property damage liability for owned, hired and non-owned vehicles.

Excess Insurance

Umbrella or Excess insurance may be used to meet the minimum limit requirements for liability insurance.

Other Insurance Requirements

Additional Insured Status

The University is to be listed as an Additional Insured on the Commercial General Liability (must use an endorsement at least as broad as ISO Form CG 20 10 11 85 or both CG 20 10 and CG 20 37 forms with edition date 2004 if later revisions used). See *Verification of Coverage* section on how the University should be listed as an Additional Insured.

Waiver of Subrogation/Recovery

All insurances shall include a waiver of subrogation/recovery in favor of the University.

Primary Coverage and Limits of Insurance

For any claims related to work performed for or on behalf of the University or related to an agreement/purchase order, the contractor/vendor's insurance coverage shall be primary insurance as respects to the University. Any applicable insurance or self-insurance maintained by the University shall be excess of the Contractor/vendor's insurance and shall not contribute with it.

Subcontractors

Subcontractors of the Contractor/vendor shall be subject to all of the requirements stated herein. Contractor/vendor shall include all subcontractors as insureds under its policies or shall be responsible for verifying insurance coverages and limits and maintaining Certificates of Insurance for each subcontractor. The University reserves the right to receive from the Contractor/vendor copies of subcontractors' certificates.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions above \$25,000 must be approved by the University or reduced prior to the commencement of work. The University may require the Contractor/vendor to provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention.

Acceptability of Insurers

Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A- VII, unless otherwise approved by the University.

Verification of Coverage

The University shall be listed as Additional Insured and Certificate Holder as follows:

**The Board of Supervisors of Louisiana State
University and Agricultural & Mechanical College
213 Thomas Boyd Hall
Baton Rouge, LA 70803**

Certificates of Insurance shall be furnished to the University evidencing the insurance required herein including amendatory endorsements. The University's failure to obtain the required documents prior to the work beginning or acceptance of a non-compliant certificate shall not waive the Contractor/vendor's obligation to have in place the required insurances or to provide the certificate. The University reserves the right to require certified copies of all the insurance policies, including endorsements.

Special Risks or Circumstances

LSU reserves the right to consider alternate coverage or limits and to modify these requirements, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

**Insurance Minimum Limits and Requirements for
Standard Supplier Agreements (no services to be performed)**



The Board of Supervisors of Louisiana State University and Agricultural and Mechanical College (henceforth referred to as "University") requires contractors/vendors to procure the below insurance. The insurance must be maintained for the duration of work performed for or on behalf of the University, and for the length of any agreement with the University. Failure to maintain the required insurance throughout the term of the Agreement shall be a material breach, and shall entitle University to all remedies provided for in the Agreement, or by operation of law. The minimum insurance requirements described herein do not in any way limit the contractor/vendors' financial responsibilities as outlined in the agreement's Indemnification requirements; therefore, the contractor/vendor may opt to have broader coverage and limits to satisfy its financial obligations.

Workers' Compensation

Workers' Compensation insurance shall be in compliance with the laws of the state in which the company is domiciled. Employer's Liability shall be included with a minimum limit of \$1,000,000 per accident/per disease/per employee. If Supplier is exempt from workers' compensation then the Supplier is or agrees to be solely responsible and hold harmless the University for the injuries of any owners, agents, volunteers, or employees during the course of the agreement.

Commercial General Liability (CGL)

Commercial General Liability insurance shall be maintained on an "occurrence" basis, including property damage, bodily injury, products & completed operations, and personal & advertising injury with limits not less than \$1,000,000 per occurrence and \$2,000,000 aggregate on Insurance Services Office Form CG 00 01, ISO 2007 edition or equivalent.

Automobile Liability

Automobile Liability Insurance shall have a minimum combined single limit per accident of \$1,000,000. This insurance shall include third-party bodily injury and property damage liability for owned, hired and non-owned vehicles.

Excess Insurance

Umbrella or Excess insurance may be used to meet the minimum limit requirements for liability insurance.

Other Insurance Requirements

Additional Insured Status

The University is to be listed as an Additional Insured on the Commercial General Liability policy.

Primary Coverage

For any claims related to an agreement/purchase order, the suppliers' insurance coverage shall be primary insurance as respects to the University. Any applicable insurance or self-insurance maintained by the University shall be excess of the supplier's insurance and shall not contribute with it.

Acceptability of Insurers

Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A- VII, unless otherwise approved by the University.

Special Risks or Circumstances

LSU reserves the right to consider alternate coverage or limits and to modify these requirements, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.