

Feb - 2019

Project Manual

Fire Station No. 64 Live Fire Training System

**East Olympia
Fire District No. 6
Fire Station No. 64
Live Fire Training System**

Project Manager: Mark Nelson, Assistant Chief/Operations
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NOTICE TO BIDDERS

Thurston County Fire Protection District No. 6 will accept Bids to install a new Live Fire Training System which utilizes Class A fuels, at Station 64 located at 9530 Old Hwy 99 S.E., Olympia, WA.

Bids will be received at Headquarters Station 61, 8047 Normandy Street S.E., Olympia, WA until 2:00 P.M., Pacific Daylight Time, on March 11, 2019. The District will have staff on location to receive Bids between the hours of 8:30 A.M. and 2:00 P.M.

All copies of the Bid and the “Statement of Bidders Qualification” shall be enclosed in a sealed, opaque envelope. The envelope shall be addressed to **Thurston County Fire Protection District No. 6, Attention: Mr. Mark Nelson, Assistant Chief, Operations.** The envelope shall be clearly marked **“Bid”** and identified with the **Project Name and Bidders Name and Address.** If the Bid is sent by mail, the sealed envelope shall be enclosed in a separate mailing envelope with the notation **“SEALED BID ENCLOSED”** on the face thereof.

Specifications and requirements may be obtained at the District’s website at www.eofd.org or at Headquarters Office at 8047 Normandy Street SE, Olympia, Washington or by calling 360.491.5533. Direct all inquiries to Assistant Chief Mark Nelson.

Project Overview

East Olympia Fire District 6 is seek bids from qualified vendors for one (1) Live Fire Training system constructed out of two (2) new ISO containers (International Organization for Standardization). The Live Fire Training System shall be in compliance with NFPA 1402 “Guide to Building Fire Service Training Centers 2019 Edition” and applicable state and local codes. No exceptions!

The live fire system shall be meet the requirements as outlined in the bidding documents.

Hours of construction /installation must be between 8:00 A.M and 4:30 P.M. Monday through Friday. This is a staffed station and provides living quarters to fire fighters.

SUBMITTALS

A. GENERAL

1. The listing of submittals hereinafter is set forth generally as a checklist for the Vendor's convenience and are general in nature.
2. The Owner reserves the right to add to this list in case of omissions of any submittals specified in other Sections but not listed hereinafter.

B. SUBMITTALS, PRIOR TO NOTICE TO PROCEED

1. Executed Agreement.
2. Certified copies of Vendor's Liability Insurance Policies (AIA Doc.G705).
3. Construction/delivery schedule.

C. SUBMITTALS PRIOR TO BEGINNING SPECIFIC WORK

1. Manufacturer's specifications on all system components.

INSURANCE

The successful supplier will not be awarded any contract and will not be allowed to start any work until proof of coverage has been approved by the Owner. The following requirements are not intended to set an upper limit for either party in the amount or type of insurance they may procure for this project.

VENDOR'S INSURANCE

1. Provide an appropriately worded "ACORD" Certificate of Insurance acceptable to the Owner.
2. Workman's Compensation: procure and maintain, during the entire term of this project, Workman's Compensation Coverage for all employees in an amount equal to the statutory limits set by the State. In the event exemption has been granted, provide evidence of such exemption.
3. Employer's Liability: procure and maintain, during the entire term of this project, Employer's Liability Coverage in the amount of \$1,000,000 combined single limit occurrence.
4. General Liability: procure and maintain, during the entire term of this project, General Liability Coverage in the amount of \$1,000,000 combined single limit per occurrence. Coverage shall include premises, operations, products, completed operations, and Broad Form Contractual Liability and Broad Form Property Damage. Owner shall be named as Additional Insured.
5. Certificate of Insurance: Certificates of Insurance are required for all specified coverage's before any work can commence.

CONSIDERATION OF BIDS

The Owner reserves the right to reject all bids without cause and without costs, to waive informalities and minor errors discovered by the Owner to be incidental or not material to awarding of the lowest responsible and responsive bid. The Owner further reserves the right to determine the lowest responsive and responsible vendor, based upon such factors as competency and reputation in the construction community, work references and performance at other projects

and work sites, as determined by the Owner, to reflect full and complete compliance with Contract terms and conditions, specifications and all applicable laws.

Under no circumstances is the District required to accept the lowest monetary bid received as the lowest responsive and responsible vendor. It is the intent of the Owner to award a contract to the lowest responsible supplier provided the bid has been submitted in accordance with the requirements of the Bid Documents, and is judged to be reasonable.

The supplier shall certify to the District that no litigation is threatened or pending against the supplier that may interfere with or delay the construction of the project, and the performance of the contract by the vendor, if the supplier shall be awarded the Contract.

STATEMENT OF BIDDER'S QUALIFICATIONS

Each supplier bidding on work included in these Documents shall prepare and submit the data requested in the following schedule of information:

This data sheet must be included in and made a part of each Bid Document.

1. NAME OF VENDOR: _____

2. BUSINESS ADDRESS: _____

3. HOW MANY YEARS HAVE YOU BEEN ENGAGED IN THE CONTRACTING BUSINESS UNDER THE PRESENT NAME:

4. CONTRACTS NOW IN HAND. GROSS AMOUNT: \$_____

5. GENERAL CHARACTER OF WORK PERFORMED BY YOUR COMPANY:

6. LIST THREE (3) CONSTRUCTION PROJECTS COMPLETED BY YOUR COMPANY, INCLUDING APPROXIMATE COSTS AND NAME AND TELEPHONE NUMBER OF ARCHITECT OR OWNER:

7. BANK REFERENCES:

Thurston County Fire District #6
Station #64
Live Fire Training System

Thurston County Fire District #6
8047 Normandy St. SE
Olympia WA, 98501

Having carefully examined the project entitled **Live Fire Training System** the undersigned states he/she has the labor force and means to complete the work, and proposes to furnish all labor and materials to perform all work required by, and in strict accordance with, the above-named documents for the following sums:

For the total:

_____ DOLLARS (\$_____)

SALES TAX (\$_____)

TOTAL (\$_____)

OPTION #1 (\$_____)

OPTION #2 (\$_____)

OPTION #3 (\$_____)

Name of Firm: _____

Signed by: _____

Address: _____

Telephone: _____

NOTE: If bidder is a corporation, write State of incorporation; and if a partnership, give full names and address of all partners below:

PAYMENT

Final payment will be made once final acceptance has been authorized by the district based on an accurate summary of the work performed in accordance with the contract document.

TIME FOR COMPLETION

Upon notification of award, the Supplier shall within seven ten (10) calendar days to enter into an agreement with the Owners, to deliver the live fire training system for the lump sum bid price.

The Supplier will deliver the live fire training system within 90 calendar days from the notice to proceed.

Delivery time for completion is based on the assumption that no delaying site conditions will be encountered. If delaying factors are encountered on site, the time for completion will be adjusted accordingly.

Live Fire Training System

General Requirements

1. The training facility shall be constructed from (2) New ISO Containers. 1-20' container and 1-40' container. The training facility shall be in compliance with NFPA 1402 "Guide to Building Fire Service Training Centers 2019 Edition, and applicable state and local codes. No exceptions!
2. Any and all welding will be done by AWS American Welding Society certified welders with a Structural Steel Welding Endorsement. No Exceptions!
3. The supplier shall provide a pictorial representation and floor plan drawings of their training facility, provide supplier prepared layout drawings and coordinate a design review to finalize the facility configuration/layout upon project award.
4. The training facility shall include multiple points of egress via personnel doors.
5. The training facility exterior shall be painted with a high grade industrial direct to metal paint will be used. The supplier shall provide color options for the district to choose from prior to building of the containers.
No exceptions!
6. The district will be provided a copy of all of the Maintenance and Operations manuals at the time of delivery.
7. The live fire training container system must allow additional system components and other training props for future expansion should the district choose to add at a later date.

8. Within live fire container there shall be a fully insulated secondary structure to facilitate long life with repeated Class A fire live fire burns.
9. The live fire system shall be equipped with a monitoring system and ventilation system shall be equipped to keep temperatures within the permissible limits.
10. Provide contact information for a minimum of at least three agencies that have purchased a similar Live Fire Systems within the last six months.

Container #1 Requirements

Container # 1 will be considered the live fire trainer and have the following system components as identified below.

- a. The wood flooring will be removed and replaced with 3/16" non-skid diamond plate steel welded continuously and the perimeter and welded to the floor joists to avoid warping.
- b. The Live-Fire Component of the training facility shall be a fully insulated secondary structure within the container unit(s) and designed specifically for repeated Class "A" fueled live fire training. This secondary structure will be no larger than 8ft X 8ft X 20ft. This room must be capable of repetitive live fire training with ambient temperatures up to 1100 degrees F. the room will have accessible fabricated insulated doors.
- c. The flooring will be brick lined with drainage weep holes within the burn room. Additional floor drains will be installed to remove excess water accumulation within the burn room.
- d. There will be three (3) heavy duty chains located in the burn room located at the ceiling and walls. This placement of chains will allow the user to alter fuel loading and change fire behavior conditions.
- e. This container will also contain a multi-function burn crib that will allow the user to alter fuel loading and fire behavior conditions.
- f. This container will also have a hatch to allow for the cleaning of the burn room to allow for cleaning after a live fire training evolutions have been completed.
- g. This container will also have a winch operated hatch system to allow for ventilation within the burn room to allow the user to alter fire behavior conditions while training. The system must be able to operate at ambient temperatures 1100 degrees F.

- h. The container will also be provided with a Temperature Monitoring and Data logging system within the burn room. Temperature will be displayed and recorded to a remote device. The device must be mobile so it that it can be used to connect to a computer to display temperatures, and event history during the training evolution.
- i. The container will also be provided with the steel reinforced doors with roller latches thus eliminating the need to locate a locking system and or temperature failures. The doors must be capable to be secured and locked when not in use to prevent unwanted entry.
- j. The Container will also be provided with a steel framed opening, for interconnection with the adjacent second container.

Container #2 Requirements

Container # 2 will be considered the smoke room trainer and have the following system components identified below.

- a. The interior of the training facility shall include four (4) steel Pivoting Wall Panels so differing fire attack scenarios can be created. Wall panel dimensions will be 4 ft. wide and 8ft. tall.
- b. The container will have a steel framed opening to correspond and interconnected to the adjacent container #1.
- c. The container will also have one (1) standard door for exterior access, this door will also have the capability to be locked when not in use.

Container Options

- 1. The supplier shall provide pricing for the following options that can be incorporated into the appropriate containers at the time of build, should the district choose any of these options during finalizing of the facility configuration/layout.
- 2. The supplier shall provide specific details about the options listed and identify which containers they these options would best work in.
 - a. Stand pipe connections and sprinkler heads
 - b. Cutting Prop (allows the district to insert different materials for cutting)
 - c. Maze System

DELIVERY

1. The supplier will be responsible for all shipping and associated costs, and shall be delivered within 90 days upon Notification to Proceed from the District and layout drawing approval.
2. Training facility proposals, shall include all costs associated with delivery, permits, onsite training and on-site installation/assembly at customer's prepared site.

ON SITE TRAINING

1. Awarded supplier shall include a (2) two, one day "Train the Trainer Course" at a specified time by the district but within two weeks of training facility delivery, set up and operational. Course shall be conducted on-site by a Certified Fire Instructor (CFI) by the manufacture in accordance of NFPA 1403 Live Fire Training.
2. The training facility shall contain a warranty for a period of no less that (2) two years for workmanship & materials starting from the date the trainer is placed into service.