

WILKES COUNTY
110 North Street, Wilkesboro, NC 28697
TRAINING FACILITY
BID PACKET

Wilkes County is requesting sealed bids to erect a Fire Training Facility located at:

580 Poplar Grove Road, Wilkesboro, NC 28697

Facility is to be built on the Fire Training Grounds at the former county landfill site.

Wilkes County will provide any grading necessary to prepare the site.

Vendor shall employ a NC Registered Engineer and shall submit certified drawings showing compliance.

Wilkes County will provide a Geotechnical Report for the proposed building site indicating soil bearing capacity from Catawba Valley Engineering and Testing. (A copy of report can be obtained at a later date to all bidders)

The awarded vendor shall assist Fire Marshall Jeff Anderson 336-651-7534/email janderson@wilkescounty.net to ensure the site is properly prepared and ready to receive the facility upon delivery.

Training Facility General Requirements:

1. Vendor shall submit certification from a Nationally Recognized (third-party) Testing Laboratory (NRTL) at time of proposal noting NFPA 1402 2019 Edition Compliance. At time of delivery, the training facility shall bear a placard issued by an NRTL noting NFPA 1402 2019 Compliance.
2. Vendor shall employ certified welders as required by AWS D1.1 Structural Welding Code. Vendor shall submit certificates showing compliance.
3. Vendor shall employ a NC Registered Professional Engineer (PE) and shall submit certified drawing showing compliance.
4. Vendor shall provide a site-specific foundation design (Wilkes County shall provide a site- specific geotechnical report) signed / stamped by a PE within two weeks of project award.
5. Vendor shall provide past performance along with customer contact information showing capability to fabricate/deliver/assemble a similar facility.

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6. The Facility shall be delivered within 6 to 9 months upon project award and layout drawing approval.
7. The Facility shall be painted Wilkes County choice of color.
8. Proposals shall include costs associated with delivery and on-site assembly at Wilkes County prepared site.

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Training Facility General Requirements Continued:

9. The facility shall contain a warranty for a period of (1) year for workmanship & materials.
10. Awarded Vendor shall include a (2) two day “Train the Trainer Course” for up to 12 students within two weeks of training facility delivery. Course shall be conducted on-site by a certified fire Instructor (CFI).
11. Vendor shall include an electronic version of the Training Facility Operations and Maintenance Manual upon delivery.

Training Facility Technical Requirements:

1. The training facility shall be three-stories and be constructed from International Organization for Standardization (ISO) containers.
2. Vendor shall provide a pictorial representation of their training facility solution at time of proposal that substantially satisfies the requirements contained herein.
3. The selected vendor shall prepare layout drawings and coordinate a design review meeting to finalize the facility configuration/layout upon project award.

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4. The Live-Fire Component of the training facility shall be a fully insulated secondary structure within the container units. Two designated areas shall be designed specifically for repeated Class “A” fueled training.
5. Include a pitched roof prop for vertical ventilation training purposes.
6. Include multiple points of egress via personnel doors and include windows for differing training scenarios.

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Training Facility Technical Requirements Continued:

7. Include interior and exterior stairs to support various training scenarios.
8. Include an SCBA reconfigurable maze and confined space training capabilities. The maze system shall allow the interior floor space to be reconfigured to support various interior fire attack scenarios.
9. Include a 4’ x 8’ Wall Breach Simulator designed to hold 2” x 4” wood studs and drywall.
10. Include a Third-Party Tested and Certified Rappelling Station (certification to be provided at time of delivery) with OSHA Compliant Anchors.
11. Include rooftops with galvanized bar grating (no substitutes) and OSHA Compliant Galvanized Guard Railing.
12. Include a full height standpipe system with a Siamese FDC connection at ground level, hose connections at all story-levels, and sprinkler system.
13. Include a Forced Entry Door Prop, Steel Panel Cutting Prop, and Rebar Cutting Prop for enhanced training capabilities.
14. Include an Interior and Exterior Lighting and Electrical System for enhanced training capabilities. Electrical service to be provided by Wilkes County at the site designated by the vendor to serve the building.
15. Include a Galvanized Exterior Balcony and Guardrail System for enhanced training capabilities.

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16. Include (4) additional Tested & Certified Rope Anchors located as specific by Wilkes County for enhanced training capabilities.

17. Bid to include all foundations for structure and the following options:

Option 1. Grade area under the structure to slope a minimum of 1/4 “per foot and install landscape fabric and 4” of 57 washed stone around columns or piers. Gravel to extend 12” out past perimeter of structure.

Option 2. Grade area under the structure to slope of minimum of 1 1/8” per foot and install a 6 mil., poly vapor barrier and 4” of 3000 PSI concrete with fiber reinforcement. Concrete to have a light broom finish. Concrete to extend 12” past perimeter of structure.

Wilkes County reserves the right to reject any part of bids or all bids.

PROJECT TIMELINE:

Questions and Concerns by December 20, 2021

Sealed Bids will be due by January 18, 2022 by 4:00 p.m. at Wilkes County Office Building, 110 North Street, Wilkesboro, NC 28697

Recommendation for approval – TBD

Wilkes County Board of Commissioner Approval - TBD