

STATEMENT OF WORK
NE-EB3000-23-00972

PURPOSE

This Statement of Work (SOW) is for the purchase and modification of a Container and Express (CONEX) Shipping Container to be utilized as a permanent, communications equipment shelter for the Fairbanks Command and Data Acquisition Station's (FCDAS) Collimation Tower.

SCOPE OR MISSION

Contractor shall supply and modify a shipping container to the specifications identified in this SOW and in the SOW attached Drawing Sheets E-1, E-2, and E-3. Work shall include: insulating interior walls, floor and ceiling; installing interior walls, floor, and ceiling finished surfaces; installing a side door; installing exhaust fan, louvers, dampers, and thermostats; installing electrical lighting, switches, outlets, conduit, conductors, and other electrical work identified in the SOW and attached drawings; and making all necessary wall penetrations for electrical and mechanical equipment. The CONEX shall be built offsite at the contractor's facility to the specifications identified in this SOW and delivered to the FCDAS facility.

BACKGROUND

The National Oceanic and Atmospheric Administration's (NOAA) FCDAS located in Fairbanks, AK is a 24/7 satellite tracking station operated by NOAA in support of NOAA environmental monitoring spacecraft. The tracking station has several antenna systems. The antenna systems include the antennas and the antenna communication equipment shelters. These antenna systems are part of the US Critical Infrastructure Support System.

TECHNICAL SPECIFICATIONS

Quantity: One (1) Shipping Container (NEW)
Dimensions: 20ft x 8ft x 8.6ft (Standard Height)

Architectural:

Framing:

- Walls and Ceiling shall be framed with 1-5/8" steel studs
- Floors floor shall be framed as necessary to accommodate spray foam insulation.

Insulation:

- Polyurethane Spray Foam Insulation with an R-Value of 6.9 per inch
 - Walls and Ceilings shall have a minimum of R-11.2 (1-5/8") of foam insulation
 - Floor shall have a minimum of R-21 of foam insulation

Finished Surface:

- Metal studs and spray foam shall be covered with 3/4" AC Plywood. Plywood shall be mounted with smooth side to interior of CONEX.

Painted Surface:

- Walls and ceiling shall be painted with a glossy white enamel paint.
- Floor shall be painted grey.

Doors:

- Steel-reinforced, insulated, exterior 'man door' with steel frame and lockable door knob
- Original CONEX Doors shall be Insulated to R-21 and Weather Sealed. Doors shall remain operational. Original door locking system shall remain and shall be able to be locked with padlocks.

Door Hardware:

- Door shall have a lockable door knob suitable for keying to a Best Key System.

Above-Door Weather Overhang:

- Shall be 48in wide x 36in deep and angled to shed rain/snow.

Mechanical System:

- Install two (2) 16in (approx.) square through wall penetrations the exhaust fan, dampers and louvers.
- Install Two (2) Louvers with damper motors. Damper motors shall be 120-volt AC.
- Install new Exhaust Fan. Fan shall be 120-volt, 150 CFM.
- Install new 120-volt Thermostat. Contacts shall be 120-volt, 20 amp rated.

Air handling system shall be wired to open the dampers and turn on the exhaust fan when a temperature setpoint is reached. See attached Drawing Sheet E-1 for locations and wiring for new mechanical system.

Electrical System:

All electrical work shall be performed as shown on attached Drawing Sheets E-1, E-2, and E-3. All electrical work shall conform to the most current National Electrical Code (2023 NEC).

SPECIAL REQUIREMENTS

The Contractor's place of business shall be located within the State of Alaska. Contractor shall have appropriate and required licenses in the State of Alaska to perform the work identified in this SOW.

Delivery of completed communications equipment shelter shall be on or before October 30, 2023.

Contractor shall deliver communications equipment shelter to:

Fairbanks CDA Station
1300 Eisele Road
Fairbanks, AK 99712

The Contractor shall notify the Contracting Officer's Representative (COR) 48-hours in advance of CONEX Box Delivery and provide the method of delivery. Delivery driver must be able to unload CONEX using a tilt trailer. The government doesn't have the equipment to lift/remove the CONEX.

A Pre-Construction Coordination Meeting shall be conducted with the COR and Government Technical Point of Contact prior to the commencement of construction.

Final Inspection

The COR will inspect the CONEX Box prior to acceptance.

Deliverables

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Deliverable	Deliver To	Format	Delivery Date
Pre-Construction Coordination Meeting	COR or Designee	Virtual/In-person	Within 10 days after award, but prior to commencement of construction.
Submittals of Equipment and Materials used in construction by the Contractor	COR or Designee for approval	Electronic	Within 10 days after award, however Government Approval of Submittals shall be required prior to commencement of construction.
Proof of Insurance	COR or Designee	Electronic	Within 10 calendar days after award
Project Schedule	COR or Designee for approval	Word	Within 10 calendar days after award
Bi-weekly Meeting updates on progress	COR or Designee	Virtual/In-person	Dates to be determined at Pre-Construction Coordination Meeting
Bi-weekly Progress Meeting Minutes	COR or Designee for approval	Word	3 calendar days following bi-weekly meeting

SOW Attachments

- E-1: Power
- E-2: Lighting
- E-3: Notes and Schedule