

Statement of Work
For
Vertical Carousel Replacement

6 March 2023

I. Background:

The National Museum of the USAF requires (4) electric vertical high density storage carousels to store records pertaining to the Museum's Collection Management (MUC) division's historic property collection and various loans programs. The (4) units currently in the MUC office area are over 20 years old and operating beyond their typical lifespan. They have become increasingly unreliable in recent years, requiring more frequent service calls and repairs. As the units continue to age, the parts required to make repairs are becoming scarcer. Additionally, there is no space for future growth in the existing units. However, new, larger units will provide the space needed to house new artifact records for years into the future, as well as allow for many records currently stored in various filing cabinets around the office to be centrally stored.

II. Minimum Technical Requirements:

- a. (4) units in total, each maximizing available horizontal and vertical space, using existing units as basis for footprint within office area;
 - i. Unit 1: ~128"W x ~49"D x ~220"H
 - ii. Unit 2: ~120"W x ~49"D x ~206"H
 - iii. Unit 3: ~103"W x ~47"D x ~173"H
 - iv. Unit 4: ~120"W x ~49"D x ~195"H
- b. Integrated counter-height work table;
- c. Safety light curtain with auto-stop;
- d. Mechanical sliding door;
- e. Emergency stop button;
- f. Manual handcrank for continued operation in event of power outage;
- g. Integrated, stand-alone (non-networked) control system;
- h. Multipurpose carriers capable of housing the 616 trays used in existing units;
- i. Additional trays measuring ~12-1/2"W x ~15"D x 6"H to accommodate six-part folders to fully populate all multipurpose carriers;
- j. An increase in storage capacity of existing units of at least 35%, from 616 trays to at least 830 trays.

**** Due to the location of the existing units, all tools, equipment, and carousel components for 3 of the 4 units will need to be brought into the MUC office area for disassembly and reassembly through a standard height, 60" wide set of double doors, while the fourth unit can only be accessed through standard height, 36" wide doors. The End Frames of the new units will need to arrive on site disassembled in order to accomplish this. Additionally, contractors will need to work around the fire suppression system in and above the office area during installation. Sprinkler heads are currently located 12"-24" in front of and/or next to the corners of the existing units, so contractors must be able to disassemble

the old units and reassemble the new units in the space available between the sprinkler heads and office walls. *****

*III. **Training:***

Up to one(1) week of operator training.

*IV. **Installation:***

The Contractor shall provide all supervision, labor, materials, and equipment required to dismantle, dispose of existing equipment, and the install four (4) replacement Vertical Carousels to support this requirement. The contractor shall dismantle, dispose of the old Vertical Carousel systems, and install the new Vertical Carousel systems at the Wright Patterson AFB, NMUSAF/MUC office. NMUSAF Operations Division staff will coordinate with WPAFB CE to ensure appropriate electrical power is provided to the unit. The contractor will provide final electrical hookup connections from the unit motor to the electrical disconnect.

*V. **Delivery:***

SHIP TO DoDAAC: FG2300
Jackie Heiss, NMUSAF/MUC
2601 E Street, Area B, Bldg 5, Door 17
WPAFB, OH 45433
937-255-1292

*VI. **Lead Time:***

22-24 weeks after contract is signed.

*VII. **Warranty:***

All Vertical Carousels shall come with a lifetime warranty of the motor to ensure years of reliable usage. All Vertical Carousels will come with a standard five (5) year, full parts and labor warranty.

*VIII. **Delivery Procedures – Commercial Vehicles:***

IX. All vehicles larger than a large pick-up truck are required to be inspected by the Wright-Patterson Air Force Base Commercial Vehicle Delivery Gate (CVDG) prior to entering the installation. Vehicles to be inspected include, but are not limited to, the following:

1. Step van/panel truck
2. Tractor/trailer, box and flatbed containing cargo
3. Tanker trucks
4. Box trucks
5. Tour buses

6. Garbage/recycled waste trucks
7. Concrete trucks/mixers, dump trucks
8. Cranes, recreational vehicles, petroleum tanker

This inspection will be conducted at Gate 26A located off State Route 235.

- b. The following are exemptions to vehicles utilizing the CVDG:
 1. If the vehicle has the product inside (concrete and asphalt trucks) and timely delivery is necessary due to product deterioration it does not need to enter the CVDG. To bypass the CVDG, the contractor shall submit a list containing drivers' names, social security numbers and the state in which the driver's license is held for those drivers who will be entering the base. This shall be accomplished 24 hours prior to requested entry time. If entry is requested on Monday, this list must be submitted by Friday at 1630 hours. All lists shall be submitted to the 88th ABW/CE Directorate contract inspector. The only gates that may be used under this exemption shall be 15A, 26A, 38A, and gate 1B. If the driver's name is not on the list, he/she will not be allowed access to the installation through these gates and the base will not assume liability for denied access.
 2. If a delivery vehicle must exit, and then re-enter the base to complete its route, the vehicle shall be resealed upon exiting the base. After initially passing through the commercial vehicle delivery gate, trucks shall be resealed at Gates 15A, 38A and 22B. The resealing of the trucks will allow them to continue to any other area of the installation (Areas A, B, or Kittyhawk) without reprocessing through the CVDG. To receive resealing assistance, the drivers shall physically stop at one of the three authorized gates and request the installation entry controller to reseal their truck and provide the next location of their delivery. The controller will reseal the truck and give the delivery driver a pre-clearance form. The driver shall present the pre-clearance form to the entry controller at the next point of installation entry. This reentry can be through any base gate.
- c. Vehicles may be subject to an inspection at any of installation entry control points during a directed random antiterrorism measure (RAM.) Any commercial vehicle, regardless of size, can be directed to the CVDG at the discretion of the installation entry controller.