

ARFF Apparatus Bay Bird Control

Hilo International Airport

Hilo, Hawaii

State Project No. CH2543-33

A. Scope of Work

The scope of work consists of installing Bird Controls (Bird Netting and Bird Spikes) in the existing Airport (ARFF) Apparatus Bay at Ellison Onizuka Kona International Airport at Keahole (KOA).

Work to include but not limited to the following:

- Installation of Bird Netting to cover the Apparatus Bay ceiling.
- Installation of Bird Spikes for exposed areas (pipes, ledges) not covered by the Bird Netting. Excluding the lift track exposed ledges.
- Installation of visual and scented bird repellent near the lift track.
- Clean and disinfect areas with bird droppings before bird control installation.
- Deliver materials to KOA ARFF in the manufacturer's original wrappings and packages clearly labeled with the manufacturer's name, brand name, and related information.
- Restoration of all areas and spaces affected by the construction including existing walls, partitions, and flooring.
- Complete relocation of electrical systems that interfere with the bird net framing route.
- All incidental work required to ensure a complete and functional installation of bird netting is included in this contract.

The work to be performed under this contract shall also include preparing and obtaining all permits required to complete this project. It is anticipated that a Building Permit will be required for this project. The Contractor is responsible for the preparation and submittal of application document(s) to the appropriate permitting agency, payment of application fee(s), and all other work necessary to obtain all permit(s) prior to starting construction operations at the project site. Construction operations shall not start until all required permits are approved by the appropriate permitting agencies and copies submitted to the Engineer for the record. Bidders are responsible for researching and confirming which permits

are and are not necessary for this project. Bidders shall factor the additional cost of obtaining this permit into their bid.

Work shall be performed between 8:00 a.m. to 4:00 p.m. Monday through Friday. The Airport reserves the right to adjust work hours in order to provide minimum interruption to Airport Operations with no additional cost to the State. Work hours shall be coordinated with the Airport Manager to provide minimum interruption to facility operations while performing work and to protect the general public and airport employees from excessive dust and noise levels. The Contractor will be required to shift to night work hours, at no additional cost to the State. However, starting and ending times as well as duration may be adjusted by the Airport Manager depending on the actual flight schedules and airport operational considerations. Contractor vehicles and equipment are not allowed on the aircraft apron fronting the terminal from midnight to 6:00 a.m.

Change Order and Allowances:

Usage of allowance only as directed by the Engineer for the airport's purposes and only by Change Orders that indicate amounts to be charged to the allowance.

Change Orders authorizing use of funds from the contingency allowance will include Contractor's related costs and reasonable overhead and profit margins.

At Project Closeout, any unused amounts remaining in the Allowance will be credited back to the State.

General:

1. Safety: The Contractor must take all necessary precautions to protect all his and/or her workers and all other personnel from injuries. The rules and regulations promulgated by the Occupational Safety and Health Acts are applicable and made a part of these specifications.

Barricades and warning signs must be erected by the Contractor in the work area to properly protect all personnel, pedestrians and property in the area.

During the progress of the work, all debris, empty crates, waste, material drippings, etc., must be removed by the Contractor at the end of each workday and properly disposed, and the work area must be left clean and orderly.

2. Outage: Written requests for power outage must be submitted to the Engineer at least seven (7) days in advance.

3. Mobilization areas, access routes and haul routes must be coordinated with the State prior to construction.

4. Vehicle Parking: The Contractor must submit the parking requests for themselves and any subcontractors to the Airport Manager through the State Project Manager (SPM) for review. Upon approval by the Airport Manager and subject to availability, a maximum of two (2) temporary parking passes per subcontractor and maximum of three (3) passes for the General Contractor will be issued at no charge. Additional parking passes may be purchased. All costs associated must be incidental to the Contract.

5. Bidders must not assume that a field office and/or storage space will be available on the Airport Property by the Notice to Proceed date. Since space on airport property is extremely limited, the State does not guarantee that space(s) provided to the Contractor will be in close proximity to the project site. The State will make every effort to provide the Contractor with space on airport property, however, should the State determine that no space is available for such use(s), the responsibility must then be on the Contractor to find space outside of airport property.

6. The contractor must preserve and protect all structures, equipment, and vegetations on or adjacent to the work site, which are not to be removed, and which do not unreasonably interfere with the work required under this Contract. The Contractor must only remove trees when specifically authorized to do so and must avoid damaging vegetation that will remain in place. If any limb or branches of trees are broken during Contract performance, or by the careless operation of equipment, or by workmen, the Contractor must trim those limbs or branches with a clean cut and paint the cut with a tree-pruning compound as directed by the Engineer.

7. Barricades: The Contractor shall take precaution to protect people and property from injury and damage. They shall erect barricades to delineate their work areas and provide the appropriate signing, hazard lights, and temporary paint striping as directed by the assigned DOTA Project Manager or its representative, to aid public and airport pedestrian and vehicular traffic around their work areas. Barricades shall be traffic cones, delineators, blinker barricades, caution tape, sawhorses, plywood barricades or other barriers as approved by the DOTA PM to effectively provide proper protection. The Contractor shall be responsible for their own security and protection of their own property, including mobilization yard barricades. In areas frequented by the general public, the barricades shall be visually presentable and plywood partitions shall be painted. Where dust is a problem, the Contractor shall erect floor to ceiling dust proof partitions.

8. Utility Maintenance: During the construction of this contract, existing utility services serving occupied or used facilities shall not be disrupted except where authorized in writing by authorities having jurisdiction. Contractor shall provide temporary services during interruptions to existing utilities, as acceptable to the Engineer. Damages to the existing utility facilities by the Contractor will be repaired at the Contractor's expense.

Outages for power, communications, or any other utility, if necessary, shall be kept to a minimum and scheduled for off-peak hours, generally from 12:00 a.m. to 6:00 a.m. The Contractor shall submit written requests to the Engineer for such outages no later than fourteen (14) calendar days in advance. The request shall include a description of work and the duration of the outage. The Contractor shall not proceed with such outages until written approval is received from the State.

9. The Contractor shall perform all construction layout and reference staking necessary for proper control and satisfactory completion of all structures, grading, paving, drainage, sewer, water, and all other appurtenances required for the completion of the work.

10. The Contractor must at all times keep the work area, including storage areas, free from accumulations of waste materials. Before completing the work, the Contractor must remove from the work and premises any rubbish, tools, scaffolding, equipment, and materials that are not property of the Airports Division. Upon completing the work, the Contractor must leave the work area in a clean, neat and orderly condition satisfactory to the Engineer.

11. Submittals: Contractor must submit all submittals to the State Project Manager for review, including but not limited to Construction Schedule, Personnel information, Insurance, shop drawings, samples, catalog cuts, certificates, maintenance data and operating instructions manuals, parts listing, manufacturer information, warranty, test reports, etc.

12. The Contractor shall file and pay for the performance and payment bonds.

13. The General Provisions of the contract, including the General Provisions for Construction Projects (2016) and Special Provisions, apply to this contract.

B. Qualifications

Bidders must possess a valid State of Hawaii General Building "B" Contractor's License at the time of bidding.

Bidders are encouraged to visit and verify all conditions before bidding.