STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HONOLULU, HAWAII

SPECIFICATIONS

FOR

FURNISH AND INSTALL NEW POLYCARBONATE PLASTIC BIRD SPIKES INCLUDING MAINTENANCE OF EXISTING POLYCARBONATE PLASTIC BIRD SPIKES AT 98-314 PONOHALE STREET, AIEA, HAWAII

PROJECT NO. HWY-O-02-2017

ISLAND OF OAHU

2017

I. DESCRIPTION OF WORK

The scope of work includes furnishing and installing new polycarbonate plastic bird spikes on concrete bridge ledges, drainage pipes, pipe supports, luminaire supports, and metal shipping container; cleaning, disinfecting, and preparing the surface prior to installation; and cleaning and maintenance of existing bird spikes on concrete bridge ledges at the property, located at 98-314 Ponohale Street, Aiea, Hawaii, 96701. Highlighted plans are provided in the Appendix of these specifications to indicate the general locations of the various types of work to be provided.

II. SPECIFICATIONS

A) Installation of New Polycarbonate Plastic Bird Spikes

1) Furnish and install new polycarbonate plastic bird spikes on concrete bridge ledges, drainage pipes, pipe supports, luminaire supports, and metal shipping container as shown on the highlighted plans and as follows (Dimensions are estimates only. Vendor to field verify):

DESCRIPTION	TOTAL LENGTH (FT.)
Type "A" Ledge	15
Type "B" Ledge	20
Type "C" Ledge	5
8-Inch Ductile Iron Drainage Pipe	75
Pipe Supports	70
Luminaire Supports	25
Metal Shipping Container	60

2) Installation sites may be in excess of 40 foot elevation, and may be required to be installed above existing structures.
3) Remove and dispose of all debris, bird nests, waste, eggs and anything not to remain. Only a dry method of removing bird waste and debris will be allowed. Water blasting will not be allowed. Disposal of all debris shall be done off-site and in accordance with federal, state and county regulations.
4) No stockpiling of material and/or waste will be allowed on site, unless previously approved by the State.
5) Clean, disinfect, and prepare surfaces for installation in accordance with manufacture's recommendations.
6) Installation of new polycarbonate plastic bird spikes shall be done in accordance with manufacture's recommendations and with manufacturer's recommended adhesive. Anchoring, drilling, screwing into concrete bridge ledges, drainage pipes, pipe supports, and luminaire supports will not be allowed.
7) Submit three (3) copies of a detailed procedure for the installation of bird spikes to the State for review at least fourteen (14) days prior to installation.
8) Use proper personal protective equipment and comply with OSHA and HIOSHI regulations.

9) Warranty shall guarantee against all defects in installation of the polycarbonate plastic bird spikes for 1 year, from date of final approval. The contractor shall be notified of repair or replacement issues in writing within the warranty period.

B) Maintenance of Existing Polycarbonate Plastic Bird Spikes
   1) Remove and dispose of all nesting material, waste, eggs, and debris from existing polycarbonate plastic bird spikes and adjacent areas. Only a dry method of removing bird waste and debris will be allowed. Water blasting will not be allowed. Disposal of all debris shall be done off-site and in accordance with federal, state and county regulations.
   2) No stockpiling of material and/or waste will be allowed on site unless previously approved by the State.
   3) Inspect and replace damaged or dislodged bird spikes with new polycarbonate plastic bird spikes (Bird-B-Gone Spike 2000 or equivalent) as specified in Section II.C. Installation of new bird spikes shall be performed according to Section II.A.

C) Material
   1) Bird spikes shall be made of transparent polycarbonate plastic, with U.V. inhibitors, and with a minimum 20 points per foot. Stainless steel and/or metal spikes will not be allowed. Bird spikes shall have a minimum 5 year warranty. Submit 5-sets of the material specifications and a 1-foot long sample for approval by the State prior to installation.
   2) Adhesive, used for installation, shall be in accordance with manufacturer's recommendations.

D) Schedule of Work
   1) Coordinate all workdays and times with the State. Property is secured 24-hours 7-days a week.
   2) Allowable workdays and hours are Monday thru Friday, except on State Holidays, from 7:00am – 3:30pm, unless otherwise approved by the State.
   3) Inform State one (1) week prior to beginning any work.
   4) Allow access throughout entire property at all times.

E) Term of Contract - The term of this contract shall be for three (3) months from the date indicated in the Notice to Proceed from the Department.

F) License – Contractor shall have all appropriate federal, state and/or county licenses to complete the work. At minimum, an active State of Hawaii Pest Control Operator license.

G) Site Inspection – A pre-bid site inspection will be held 1-week prior to closing of this solicitation.

III. COMPLIANCE

Offeror is advised that in order to be awarded a contract under this solicitation, the vendor/contractor/service provider will be required to be compiant with all laws

governing entities doing business in the State including the following chapters and pursuant to HRS §103D-310(c):

1. Chapter 237, tax clearance;
2. Chapter 383, unemployment insurance;
3. Chapter 386, wokers' compensation;
4. Chapter 392, temporary disability insurance;
5. Chapter 393, prepaid health care; and
6. Section 103D-310(c), Certificate of Good Standing (COGS) for entities doing business in the State.

The State will verify compliance on Hawaii Compliance Express (HCE) for awards $2,500 or greater. The HCE is an electrnic system that allows vendors/contractors/services providers doing business with the state to quickly and easily demonstrate compliance with applicable laws. It is an online system that replaces the necessity of obtaining paper compliance certificates from the Department of Taxation; Federal Internal Revenue Service; Department of Labor and Industrial Relations; and Departmenet of Commerce and Consumer Affairs.

Vendors/contractors/service providers should register with (HCE) prior to submitting an offer at https://vendors.ehawaii.gov. The annual registration fee is $12.00 and the 'Certificate of Vendor Compliance' is accepted for both contracting and final payment.

Offeror is advised that in order to be awarded a contract under this solicitation, the vendor/contractor/service provider will be required to submit a performance and payment bonds executed by a surety company authorized to do business in the State of Hawaii, in an amount equal to one hundred percent of the price specified in the Contract. The performance bond shall be submitted to the contracting agency prior to the award of the Contract. **Performance and payment bonds are not required for bids less than $50,000.00.**

IV. INDEMNIFICATION

The Contractor shall indemnify and hold harmless the State of Hawaii, the contracting agency, and their officers, employees, and agents from and against all liability, loss, damage, cost, and expense, including all reasonable attorney's fees, and all claims, suits, and demands therefore, arising out or resulting from the negligent, reckless, intentional, or wrongful acts, errors, or omissions of the Contractor or the Contractor's employees, officers, agents, or subcontractors under this Contract. The provisions of this paragraph shall remain in full force and effect notwithstanding the expiration or early termination of this Contract.

V. MEASUREMENT AND PAYMENT

The Contractor's bid price shall be inclusive of all costs for furnishing all labor, materials, tools, equipment, vehicles, taxes, insurance, overhead, travel, and all incidental costs necessary for the work specified in the contract documents.

Installation of new bird spikes and maintenance of existing bird spikes will be paid by Lump Sum, based on the specifications in Section 10.II. Any related additional unforeseen work will be considered *Miscellaneous* and will be paid for by an agreed allowable amount, which shall not exceed $1,000.00.

The additional cost of $1,000.00 shall be added to the Lump Sum amount on the attached Bid Sheet of this solicitation. The Bid Sheet shall be completed and attached to the bid response. If the Bid Sheet is not attached to the bid response at closing of bid in HIePro, then it will be assumed that the additional cost of $1,000.00 is included in the Lump Sum amount.

The Contractor shall forward the original detailed invoice to Department of Transportation, Highways Division, District Engineer, 727 Kakoi Street, Honolulu, Hawaii 96819.

The invoice shall include but not limited to the following information:

(a) Contractor's name, address, and phone number.
(b) Project title.
(c) Bid item number, amount, subtotal, and total.

Payment will be made by Purchase Order as soon as the work has been inspected and an original detailed invoice and Hawaii Compliance Express document are submitted.

BID SHEET

Please see specifications and drawing for details

Item No.	Quantity	Description		Lump Sum Bid
1	LS	Installation of New Polycarbonate Plastic Bird Spikes		
2	LS	Maintenance of Existing Polycarbonate Plastic Bird Spikes		
3	ALLOW	Miscellaneous		$1,000.00
		SUBTOTAL (1 + 2 + 3)		
		TAX	4.712%	
		TOTAL BID		

Bids will be evaluated on the basis of the TOTAL BID. If the lowest TOTAL BID is less than, or approximately equal to, the funds available for this project, an award will be made to the lowest responsible bidder.

In the event the lowest TOTAL BID received exceeds the funds available for this project, the State reserves the right to negotiate with the lowest responsible bidder as permitted under Section 103D-302, Hawaii Revised Statutes, as amended, to reduce the scope of work and award a contract thereof.