



AMENDMENT NO. 1

Dated: 9/5/19

**Proposal for: Philadelphia Zoo Animal Hospital and Small Primate Holding
Mechanical Upgrades**

Project No.: 71-19-4365-01

Opening Date: 9/16/19

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NOTICE

It is the sole responsibility of the sellers to ensure that it has received any and all Amendments and the Procurement Commissioner may in his/her sole discretion reject any bid for which all Amendments have not been executed and returned.

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PROPOSAL FOR

Philadelphia Zoo Animal Hospital and Small Primate Holding Mechanical Upgrades

IS AMENDED AS FOLLOWS:

ASSOCIATES
Troy Hill, AIA
Traci Luckenbill, AIA
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1. Amendments will be posted in PRA Contracts to all known to have been added to the Bid holder's list or Qualified Sellers after the questionnaire due date. Each Seller shall ascertain prior to submitting Quote that Seller has received all Amendments issued and shall acknowledge their receipt in their Quote on PRA Contracts.
2. Common to both Projects (Hospital and Small Primate) Delete all "Not for Construction" notes as noted on Contract Drawing set.
3. Common to both Projects (Hospital and Small Primate) Add Attached Section 013513.17 "Special Requirements for Work at the Philadelphia Zoo" as a contract requirement for both projects.
4. Common to both Projects (Hospital and Small Primate) All contractor personnel working on site for these projects will be required to be TB tested. Attached please find the Zoo's Tuberculosis Screening Policy and Protocol form that will need to be completed and submitted for each individual prior to that person being cleared for work on the project site.
5. Philadelphia Zoo Animal Hospital Mechanical Upgrades: Specification Section 011100 "Summary of Work" – Remove Paragraph 1.4, Subparagraph D-4:
"Provide the instrumentation and controls system for the mechanical equipment specified in Sections 232123 and 236426"

Replace the exact same section with the following:

“Provide the instrumentation and controls system for the mechanical equipment specified in Sections 230900 and 230993”.

6. Philadelphia Zoo Animal Hospital Mechanical Upgrades: Specification Section 011100 “Summary of Work” NOTE: All references to “Division 16” shall be replaced with “Division 26” in their entirety.
7. Philadelphia Zoo Animal Hospital Mechanical Upgrades: Specification Section 011100 “Summary of Work” NOTE: All references to “Division 15” shall be replaced with “Division 23” in their entirety.
8. Philadelphia Zoo Animal Hospital Mechanical Upgrades: Specification Section 012300 “Alternates” – Remove Paragraph 3.1, Subparagraph A:

“Mechanical Add Alternate No. 1: Insulate exhaust ductwork for AHU-1. Remove and dispose of existing duct insulation. Inspect ductwork for damage. At Contractors Option, execute repair of damages sections. Contractor is to assume 20 linear feet of ductwork requires repair or replacement. Install insulation of exhaust ductwork”

Replace the exact same section with the following:

“Remove the insulation on all the supply ductwork as noted on Contract Drawing M1.0 Detail # 1. Once complete provide repairs on the SUPPLY ductwork in the same fashion/requirement as noted for the exhaust ductwork. This shall include new supports in the same method as required in the base bid for the exhaust (assume 20 supports for bid purposed) as well as per the same detail (Detail #2, Contract Drawing M1.0). All requirements for the base contract exhaust ductwork are a requirement for this alternate for the supply ductwork. The added requirement for the supply ductwork would be the removal of the existing insulation for replacement. Replacement insulation shall be the same 2” rigid with Venture Clad as for the exhaust.”

9. Philadelphia Zoo Animal Hospital Mechanical Upgrades: Specification Section 012300 “Alternates” – Remove Paragraph 3.1, Subparagraph B in its entirety. It is now a separate project bid. Note: the fiber optics line shall be bid in its entirety through the “Small Primate Holding Project”.
10. Philadelphia Zoo Animal Hospital Mechanical Upgrades: Specification Section 230000 “Summary of Work” – Add the following to the contract requirements: 230000 Paragraph 1.4, Subparagraph B-3 “New Work Roof”- “b”: Provide and mount ULINE Model H-2726 Spill Containment Platform for each of the (3) 55 gallon glycol drums provided as part of this contract (1-800-295-5510).
11. Philadelphia Zoo-Small Primate Holding Mechanical Upgrades: Insert section 011100 “Summary of Work” for this “Separate Bid” as attached to this Amendment. Refer to Specification Section 230000 for additional information



related to the mechanical summary of work requirements for the Mechanical Contract. Note that this includes Plumbing and Fire Protection as well as HVAC.

12. Philadelphia Zoo-Small Primate Holding Mechanical Upgrades: Revise the hardware sets in Section 08 7100 "Hardware" as follows:
 - In Set 1.0, revise the 1 Storeroom Lock to read ML2057 YZB LC
 - In Set 2.0, revise the 1 Passage Latch to read ML2010 YZB.
13. Philadelphia Zoo-Small Primate Holding Mechanical Upgrades: Sheet S3.1: Revise all notes that read "crushed stone" to "No. 57 coarse aggregate".



END OF AMENDMENT NO. 1

Seller must acknowledge receipt of Amendments on PRA Contracts.

SECTION 013513.17
SPECIAL REQUIREMENTS FOR WORK AT THE PHILADELPHIA ZOO

PART 1 GENERAL

1.1 DESCRIPTION OF WORK

- A. This section describes special administrative and procedural requirements for all contractors, subcontractors and their employees performing work in the Philadelphia Zoo.

1.2 DEFINITIONS

- A. "Zoo Authorities" or "proper authorization" shall mean the Chief Executive Officer, Director of Planning, or Curator, unless otherwise specified.
- B. "Personnel" shall mean all employees or related staff or associates of the contractors, subcontractors, suppliers, delivery services, consultants, testing or inspection agencies, or other group performing work or services required for completion of this contract.

1.3 SECURITY OPERATIONS

- A. Work in all animal areas will be coordinated with the Curator in order to insure that the animals are removed or supervised while work is underway.
- B. Daily cleanup will be performed by the contractor and reviewed by Animal Department staff.
- C. All contractor personnel will enter the Zoo through gate "H" and will be issued vendor identification tags which will be worn at all times within the Zoo and returned at the completion of their work.
- D. All contractor vehicles will enter the public areas of the Zoo before 9:30 a.m. where practicable. All contractor vehicles, which must travel in the public areas of the Zoo between 9:30 a.m. and 6:00 p.m., must be escorted by a "Flagman" provided by the contractor. All contractor vehicle access must be coordinated and approved by the facilities department "contact" and must follow the prescribed route.

1.4 ADMINISTRATIVE REQUIREMENTS

- A. All work is to be coordinated with the Facilities Department representative to minimize disruption to the animals and the Zoo's operation.
- B. Any work that will affect or disrupt the plant material in the Zoo must be coordinated with and approved by the Horticulture Department to insure that plant material is protected.
- C. All contractors will be provided with and acknowledge receipt of the Zoological Society of Philadelphia Hazard Communication Training Program.
- D. The Contractor shall execute and delivery to the Zoological Society of Philadelphia not less than two business days before commencement of Work of the Project, a Waiver of Liens on behalf of himself, all Subcontractors, and material men in a form which is satisfactory to the Owner. A Release of Liens shall be submitted with each Request for Payment.
- E. All contractors working within buildings which house primates or large mammals will be required to submit evidence that he/she has not been exposed to tuberculosis by providing a physicians statement of a negative response to a Mantoux PPD test taken within the last year.

1.5 TOOLS, EQUIPMENT AND MATERIALS

- A. All contractors are required to advise the Zoological Society of Philadelphia of any hazardous materials to be brought on site and to provide the Zoo with Material Safety data sheets for such materials.

1.6 PERSONNEL ACTIVITY

- A. The following items are prohibited from being brought onto the Zoo grounds and construction site, any violation of these regulations may result in default of contract and may additionally be subject to prosecution:
 - 1. Alcoholic beverages and drugs.
 - 2. Explosives and firearms.
 - 3. Inflammable material except as required for performance of work (with prior Zoo approval).
- B. An important aspect of the Zoo's mission is to provide a welcoming and safe family atmosphere. To this end the contractor will be required to observe Zoo policies on Visitor contact and Sexual Harassment.
 - 1. Personnel shall stay in their respective working areas during their lunch period, unless a designated area approved in advance by the Zoo's Facility Manager is provided or leaving the grounds is permitted.
 - 2. Personnel shall restrict themselves to the work area and the path to and from the work area as approved by the Zoo's Facility Manager.
 - 3. Socializing or contact with Visitors to the Zoological Gardens is prohibited.
 - 4. Workers will maintain proper work attire while working on the Zoo grounds.
 - 5. The use of indecent, abusive or profane language is forbidden.
- C. The Zoo's mission is to provide a safe environment for the animal collection. All contractor personnel will be required to respect the animals and adhere to animal safety rules established for each animal area. These rules generally prohibit feeding or taunting the animals. Any infraction of these rules will result in the immediate removal of the offending personnel from the grounds.

PART 2 PRODUCTS Not Used

PART 3 EXECUTION Not Used

END

TUBERCULOSIS SCREENING POLICY AND PROTOCOL

To insure the health of the animal collection and persons working at the Zoo, all individuals working at the Zoo who will have access to the following areas are required to provide proof to the Zoo that they are free of active tuberculosis (TB): Rare Animal House, Small Mammal House, Lion House, Penrose Lab Animal Hospital, Primate Reserve and any other areas used to house primates. Your Zoo contact will inform you of this requirement before you are authorized to enter the above locations.

What is the TB Test?

The required TB test, called the Mantoux PPD test, consists of a skin test for the bacterium that causes tuberculosis and a subsequent reading within 48 to 72 hours. **YOU MUST be TESTED AND READ** in order for the test to be considered complete.

Testing Exemptions

You should not have a Mantoux PPD (Skin Test for Tuberculosis) If:

1. You ever had TB or were treated for it: You must provide the Zoo with a note from your physician stating that you are clear of any active infectious TB.
2. You ever had a positive (reactive) test in the past (either 4-prick tine or Mantoux or TB test): You must provide the Zoo with a note from your physician stating that you are clear of any active infectious TB and the date of your most recent chest x-ray.
3. You receive the BCG (TB) Vaccine in the past 15 years or had a negative PPD Tuberculosis test within the last 6 months: In these cases See Your Doctor and get a note about your TB status. You must provide the Zoo with a note from your physician stating that you are clear of any tuberculosis.
4. If the medical reasons you are not eligible for testing, you will receive instructions from your physician: This information must be provided to the Zoo.

Who Performs the Tuberculosis Test?

1. You may have the Mantoux PPD placed, read and this form completed by your own physician and this form completed by them.
2. Alternatively, you may use the Zoo's medical provider. Please let your Zoo contact know if you choose to use the Zoo's medical provider so that appropriate arrangements can be made.

Additional Testing

If the medical care provider determines that additional testing beyond the Mantoux PPD is required to determine that you are free of active infectious TB, you will not be able to access areas described above until it is determined that you are free of active infectious tuberculosis.

NAME _____ DATE _____

SOCIAL SECURITY # _____ Birthdate _____ Age _____ Badge ID# _____

COMPANY _____ Work Number _____

1. Date of last Mantoux (TB skin test) or Tine test. _____
2. Was there a reaction to the skin test? _____
3. If you had a positive skin test in the past, give the date of your last chest x-ray _____
4. Do you take medications such as steroids, cortisone, chemotherapy or immunosuppressants? _____
5. Have you had contact with anyone with active TB? _____ If yes, when _____ (year)
6. Have you received the BCG vaccine in the past 15 years? _____
7. Have you ever had tuberculosis or been treated for it? _____

AUTHORIZATION

I authorize the release of the information above and my mantoux TB skin test results to my Zoo Contact person and the Human Resources Department of the Zoological Society of Philadelphia on a need to know basis.

Signature _____

Medical Provider: Complete this section and fax to : (215) 243-5219

MEDICAL CARE PROVIDER NAME (PRINT) _____

MEDICAL CARE PROVIDER (SIGNATURE) _____

(If applicable): Applicant waives the TB skin test because:

PLACEMENT:

DATE _____

Location Placed: _____

PPD Placed by: _____

Right Forearm

Left Forearm

READING:

DATE _____

PPD Read by: _____

Result Negative

Positive

If Positive:

Size _____ MM induration on _____ (Date)

SECTION 01 1100
SUMMARY OF THE WORK

PART 1 GENERAL

1.1 DESCRIPTION OF WORK

- A. This Section summarizes construction operations required by the Contract Documents, defines aspects of Prime Contractor's relationship with City and lists special City requirements.

1.2 RELATED WORK SPECIFIED ELSEWHERE

- A. Applicable provisions of Bidding Requirements, Contract Requirements in Division 0 and all applicable Division 1 sections.

1.3 PROJECT DESCRIPTION

- A. The Work covers the renovation of and addition to the Small Primate Holding building for the Philadelphia Zoo located in Philadelphia, PA.

1.4 CONTRACTS

- A. Construct Work under separate Prime Contracts for: General Construction Work, Mechanical Work, and Electrical Work. The scope of Work for each Contract shall be as indicated below.
1. Incidental Work provided by a one Prime Contractor but specified in a Division mainly the responsibility of a different Prime Contractor shall conform to the applicable specifications (i.e. earthwork required for Plumbing Work shall comply with the requirements of Division 2).
- B. General Construction Work: Provide all the Work of the Contract, no matter where the information is located, except as specifically indicated to be performed by one of the other Prime Contractors.
1. Selective demolition and new construction as required for new Mechanical and Electrical Work but only if indicated on the Demolition or Architectural Drawings. Cutting and patching required by the other Prime Contractors and not specifically indicated on the drawings are the responsibility of the respective Prime.
 - a. Remove conduit runs with wiring, boxes and devices built into existing walls, floors or roof slabs which are to be removed.
 2. Install access doors and panels, anchors, embedments, bolts, plates, sleeves, boxes, etc. furnished under other Contracts.
 3. Provide blocking, backing, box-outs, openings, recesses, etc. required for the Work of other Contracts.
 4. Provide a dumpster for the use of all Contractors.
 5. Provide periodic and final cleaning of building and site.
 6. Normal patching of sprayed-on fireproofing required because of the installation of Work required in other Contracts.

7. Provide control lines and elevation benchmarks at central locations for the extension by other Prime Contractors.
 8. Provide temporary site perimeter fence and sidewalk cover if required.
 9. Provide temporary toilet facilities for all Contractors.
 10. Provide base flashing of roof-mounted curbs and rails provided under other Prime Contracts.
 11. Provide painting of all surfaces and equipment exposed to view in the finished Work, regardless of which Prime Contractor provided the surface or equipment.
 12. Furnish starters and disconnects for electrical components of systems included in the General Construction Work for installation under the Electrical Contract.
- C. Mechanical Work, Electrical Work: In addition to the Work listed under Articles D and E below, each of the separate Prime Contractors shall provide the following:
1. All the Work including administrative and managerial procedures included in Divisions 0 and 1, indicated to be performed by each Prime Contractor.
 2. Excavation, bedding, de-watering, shoring, sheeting, backfill, and rough grading to indicated sub-grade plus removal of excess material as required for the Work of this Contract.
 3. Cutting and patching required to complete the Work of each respective Prime Contract, except where selective demolition and new construction are indicated in the General Contractors Work.
 4. Coordinate, layout and furnish to others for installation all anchors, embedments, bolts, plates, sleeves, boxes, etc. required for the Work of each respective Prime Contract.
 5. Coordinate and layout all blocking, backing, box-outs, openings, recesses, etc. required for the Work of each respective Prime Contract but located in the Work of others.
 6. Provide firesafing of fire-rated assemblies at penetrations caused by each respective Prime Contract. Provide sealant at all other penetrations.
 7. Provide concrete housekeeping pads, bases, thrust blocks, grouting, etc. required for the Work of each respective Prime Contract.
 8. Remove trash and debris created by the Work of each respective Prime Contract to the dumpster provided by the General Contractor. Provide daily clean-up of each area in which Work of each respective Prime Contract is performed.
 9. Provide lay-out and coordination of the Work of each respective Prime Contract from control points established by the General Contractor.
 10. Provide on-site temporary office and storage facilities required for the Work of each respective Prime Contract.
 11. Provide temporary drinking water for the Work of each respective Prime Contract.
 12. Provide miscellaneous steel framing, channels, supports, bracing, hangers, etc. required for the Work of each respective Prime Contract.

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SUMMARY OF THE WORK

- D. Mechanical Work: All the Work indicated in the “M”, “P”, and “FP” series drawings and all the Work indicated in Division 21, 22, and 23 Specifications, except as specifically indicated to be performed by one of the other Prime Contractors, and as follows:
1. All the Work listed in Article C above.
 2. All the Work including administrative and managerial procedures included in Divisions 0 and 1 indicated to be the Work of this Contract.
 3. Demolition of all existing mechanical equipment and systems which is associated with and/or determined to be part of the Work of this Contract.
 4. Demolition of all existing plumbing and fire protection equipment and systems which is associated with and/or determined to be part of the Work of this Contract.
 5. Provide the instrumentation and controls system for the mechanical equipment specified in Sections 230900 and 230993.
 6. Furnish starters and disconnects for electrical components of systems included in the Mechanical Work for installation under the Electrical Contract.
 7. Provide both interior below grade plumbing work and all below-grade site utilities with their above grade accessories, including but not limited to the following:
 - a. Site domestic water service.
 - b. Site storm drainage service
 - c. Building sub-drainage and foundation drainage system.
 8. Provide the temporary water service required in Division 1.
 9. Provide the fire extinguishing system specified in Section 21 1313. This includes the modification and certification of the existing system to accommodate the new layout.
 10. Modify the existing downspout boots and extend the existing subsurface stormwater system to accommodate the new building addition.
 11. Provide the new fan coil unit in the new vestibule for distribution and connection to the existing system. Connect to existing work to remain and specified auxiliary equipment.
 12. Provide new building automation system controls for the new equipment to be integrated with the existing campus server.
 13. Provide supplementary heat in the new vestibule.
- E. Electrical Work: All the Work indicated in the “E” series drawings and all the Work indicated in the Division 26 Specifications except as specifically indicated to be performed by one of the other Prime Contractors and as follows:
1. All the Work listed in Article C above.
 2. All the Work including administrative and managerial procedures included in Divisions 0 and 1 indicated to be the Work of this Contract.

3. Demolition of all existing electrical equipment, systems, and exterior lighting, except conduit runs with wiring, boxes and devices built into existing walls, which is associated with and/or determined to part of the Work of this Contract.
4. Install starters and disconnects furnished under other Prime Contracts.
5. Provide the electrical service to the building.
6. Provide the temporary lighting and power systems required in Division 1.
7. Connect new fan coil and auxiliary equipment to existing electrical distribution system.
8. Connect new temperature control system to existing emergency generator.
9. Provide new internal and external light fixtures.

1.5 CONTRACTOR'S USE OF PREMISES

- A. Prime Contractors shall limit use of the premises for Work and for storage to allow:
 1. Work by others
 2. Owner occupancy
- B. Coordinate use of premises with Project Coordinator
- C. Protect products stored on-site
- D. Store products to avoid interference with operations of City or other Prime Contractors
- E. Secure and pay for additional storage and work areas if required by Contractor.
- F. Do not overload structure with stored materials.

PART 2 PRODUCTS NOT USED

PART 3 EXECUTION NOT USED

3.1 - END -

END OF SECTION