



AMENDMENT NO. 3

Dated: 9/12/19

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

Project No.: 71-19-4365-01

Opening Date: 9/16/19

150 S. Independence Mall West
Suite 1200
Philadelphia, PA 19106
t. 215-829-0922
f. 215-829-0596
www.blackneyhayes.com
A Professional Corporation

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.

John Fox Hayes, FAIA
Kevin R. Blackney, AIA, LEED AP
Jennifer Crawford, AIA
Michele Barnett, AAHID
Merixsa Garcia-Johnson
Megan Hayes, NCIDQ
Darin Jellison, AIA
Christopher Stigler, AIA

PROPOSAL FOR

Philadelphia Zoo Animal Hospital and Small Primate Holding Mechanical Upgrades

ASSOCIATES

Troy Hill, AIA
Traci Luckenbill, AIA
Andrew Lengel, RA
Christopher Menchin, LEED AP

IS AMENDED AS FOLLOWS:

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. Attached are the Pre-Bid Meeting Minutes dated: 9/6/19
3. Attached is the Q&A sheet for Questions Received Post Pre-Bid
4. Philadelphia Zoo Animal Hospital Mechanical Upgrades and Small Primate Holding Mechanical Upgrades: Add the following note to Specification Section 230900 "Instrumentation and Control for HVAC" Paragraph 3.1- subparagraph "F" as follows:
 - F. *All removed control points shall be removed graphically from the existing JACE (FX-60) such that there is no indication of the operation or existence of the removed points (aka Cooling Tower (Animal Hospital)) and hot water induction/booster pump between Rare Animal and Small Primate (Small Primate).*
5. Philadelphia Zoo Animal Hospital Mechanical Upgrades: Please see attached sketches ASK-1 and ASK-2 for Partial Reflected Ceiling Demolition and

Construction Plans for the areas beneath the removal and installation of new rooftop equipment dunnage.

END OF AMENDMENT NO. 3

Seller must acknowledge receipt of Amendments on PRA Contracts.





Department of Public Property – City of Philadelphia
One Parkway Building
1515 Arch Street – 11th Floor
Philadelphia, PA 19102

Mandatory Pre-Bid Meeting Minutes
Meeting Date: 9/5/2019

Issue Date: 9/12/2019

Project: Philadelphia Zoo Animal Hospital and Small Primate Holding Mechanical Upgrades
Address: 3400 Girard Ave, Philadelphia, PA 19104

Project No.: 71-19-4365-01

Attendees

Name / Title

Representing

Marc Orgovan, (Project Director)	Department of Public Property
Angelina Castro (Project Coordinator)	Department of Public Property
John Osifchok, (Senior Project Manager)	The Philadelphia Zoo
Keith Hacke (Superintendent of Engineering)	The Philadelphia Zoo
Dr. Keith Hinshaw (Director of Animal Health)	The Philadelphia Zoo
Andrew O’Pella (Engineer)	Wick Fisher White
Traci Luckenbill (Architect)	Blackney Hayes Architects
Robert LaBrum (Director of Design & Construction)	Philadelphia Redevelopment Authority

All Attendees (Refer to attached sign-in sheet)

Distribution:

Department of Public Property (**DPP**)
 Philadelphia Redevelopment Authority (**PRA**)
 The Philadelphia Zoo (**TPZ**)
 All Attendees

Item	Issue	Action By	Due Date/Status
0.1	The meeting began at 10:00am, the sign-in sheet was circulated.	N/A	N/A
0.2	The City Project team introduced themselves	N/A	N/A

Item	Issue	Action By	Due Date/Status
0.3	Mr. LaBrum briefly introduced the project and discussed the procurement requirements for the PRA.	N/A	N/A
0.4	It was noted that the Small Primate Holding project is identified in the documents as alternate number 2. The bid form will be revised accordingly and issued in an amendment.	N/A	N/A
0.5	This project will be one prime contract. All references in the documents to multi-prime contracts are to be disregarded. Mechanical contractors who are in attendance are permitted to bid as the prime contractor.	N/A	N/A
0.6	Sealed bids are due by September 16, 2019 at 2:00 PM to PRA.	N/A	N/A
0.7	Bid award will be based on the Animal Hospital base bid.	N/A	N/A
0.8	This project is subject to Prevailing Wage rates.	N/A	N/A
0.9	The Office of Economic Opportunity has established participation requirements for this project which are listed in the project manual.	N/A	N/A
0.10	Questions are to be submitted to Mr. LaBrum at the PRA by noon on September 10, 2019. Answers to questions will be posted by Friday, September 13, 2019.	N/A	N/A
0.11	The PRA anticipates presenting the bid results to their board in October. Once the project received Board approval, the Preconstruction meeting will be scheduled.	N/A	N/A
0.12	If Alternate #2 is selected, the anticipated start of construction date for the Small Primate Holding Mechanical Upgrade project is April of 2020.	N/A	N/A
0.13	Due to the nature of the animals associated with this project, all contractors performing work on site must be TB tested. A copy of the Zoo's TB protocol and form are included in Amendment #1.	N/A	N/A
0.14	Ms. Luckenbill reviewed the architectural requirements for the Animal Hospital project, which include removal of the existing rooftop steel dunnage, replacement with new steel dunnage, and existing roof repair. Mr. O'Pella reviewed the mechanical, electrical, and plumbing scope of the project as listed on the attached "Checklist of Items".	N/A	N/A
0.15	Ms. Luckenbill reviewed the architectural requirements for the Small Primate Holding project, which include excavation of the	N/A	N/A

	foundation for a new vestibule to the existing building, construction of a masonry wall, installation of steel beams, metal roof deck, insulation, and a standing seam roof with gutters and downspouts. The interior of the vestibule will be painted and receive an acoustical ceiling panel ceiling. Mr. O’Pella reviewed the mechanical, electrical, plumbing, and fire protection scope of the project as listed on the attached “Checklist of Items”.		
0.16	Amendment #1 was distributed in hard copy to all attendees. It was noted that the digital version will be posted to the PRA bidding website.	N/A	N/A
0.17	Mr. Osifchok noted that the Zoo Hours would be from 8:00AM to 5:00PM for contractors at the Gate H entry point. All equipment, including the crane, will access the premises via Gate H. All equipment movement on the Zoo premises shall require an escort.	N/A	N/A
0.18	TPZ requires that all roof access for the Animal Hospital will be via contractor-provided exterior ladder. The internal roof access ladder will not be made available for contractor’s use.	N/A	N/A
0.19	TPZ indicated that temperature within the Small Primate Holding building must always be maintained between 76-78 degrees. Mr. O’Pella noted this will require spot coolers and will be noted in the addendum.	N/A	N/A
0.20	TPZ indicated that because the majority of the work in the Animal Hospital is on the roof or in the basement, very little interruption of day-to-day construction activity is anticipated. Staff access to the northern garage doors must always be maintained.	N/A	N/A
0.21	TPZ confirmed that the crane lifts can be scheduled during the day. Care must be taken during crane activity so as not to disturb the communication wires running between the Animal Hospital and the Rare Animal building. Crane vendor shall be Thackray.	N/A	N/A
0.22	TPZ will identify a dumpster location once the contractor conveys their dumpster needs. Work boxes and staging areas will be permitted to be located near Gate I, which is north of the Animal Hospital.	N/A	N/A
0.23	Contractor parking is to be along Zoological Drive. Parking within the Zoo grounds for	N/A	N/A

	contractor vehicles will not be permitted due to space restrictions.		
0.24	TPZ noted that live load removal will be permitted if this activity does not create excessive noise or debris on the site.	N/A	N/A
0.25	TPZ noted that the Small Primate Holding building will require cleaning at the end of each day as the animals will be returned to the enclosure each night.	N/A	N/A
0.26	TPZ indicated that any open flames or spark-generating activity, including welding and chop saws, will require a Zoo hot work permit. This work also requires a 1-hour fire watch. Fans and ventilation are required for welding.	N/A	N/A
0.27	TPZ confirmed that the existing Animal Hospital roof is not currently under warranty.	N/A	N/A
0.28	Mr. O’Pella was able to review the control requirements and noted that the acceptable control venders were as follows: <ol style="list-style-type: none"> 1. Honeywell Corporate Branch (Mike Hamil)-present during pre-bid. 2. Johnson Controls (ABCS) Devine Brothers/Dynamic Controls (Mike Cunningham) 	N/A	N/A
0.29	Mr. O’Pella noted that the Small Primate Building Fire Protection contract work must be through the existing service provided (TYCO/Simplex Grinnell).	N/A	N/A
0.30	The attendees walked through the Small Primate Holding Building, and Animal Hospital roof and basement.	N/A	N/A

Minutes taken by Traci Luckenbill, Blackney Hayes Architects.



Project: The Philadelphia Zoo – Animal Hospital and Small Primate Mechanical Upgrades
Date: September 12, 2019
Job #: 71-16-4365-01 BHA Job #: 17-116
Re: Checklist of items

Please note that the following “list” does not represent an “all exclusive” requirement in any manner. This list represents certain requirements and functions that are meant to be discussed at the pre-bid meeting. Please refer to the contract drawings and specifications for a through requirements list.

Animal Hospital

- Ductwork cleaning and repair, Contract Drawing M1.0: Supply and Exhaust Ductwork associated with AHU-1.
- Base Contract: All new insulation on AHU-1 exhaust ductwork only.
- Controls
 - o ABCS
 - o Honeywell
- Chiller removal (R22 evacuation)
- Thackery Crane (Store chiller in yard)
- (2) New chilled water pumps
- Roof top mechanical requirements
 - o Roof pads
 - o Access swing gate
 - o Mobile platform for raised access

Small Primate

- Fire Protection Work: Simplex Grinnell/TYCO is a contract requirement.
- Plumbing work (Storm) requires excavation and backfill. There also is a requirement to clear and scope the existing below grade piping.
- New controls require Fiber Optics from Animal Hospital Basement to Small Primate Building.
- There are new chilled and hot water piping modifications in this building.
- There are temporary cooling requirements
- The MC shall provide and install the intake louver in the vestibule.
- The new AHU will be located above the vestibule.
- Controls
 - o ABCS
 - o Honeywell
- Existing unit removal/time frame in building/clean-up (HEPA filter system)

QUESTIONS/ANSWERS: PHILADELPHIA ZOO MECHANICAL PROJECT

1. Is the ATC Contractor responsible for Fiber pull between buildings to connect ATC Panels? Drawing M4 states Prime EC is responsible, but spec looks like it is ATC Responsibility

Answer:

The provision and the installation of the fiber optic cable shall be the responsibility of the ATC Contractor to provide and install as noted in Contract Specification Section 230993 (Small Primate). Note that the detail note on Contract Drawing M4.0 Detail #4 shall require the ATC contractor to provide and install the fiber optic cable.

2. Are Chiller control valves being provided by Chiller Manufacturer? IE ATC Contractor does not have to provide Control Valves for Chiller

Answer:

All chiller "control" (Actuated) valves shall be by the manufacturer if required. There are no "Chiller" chilled water valves required as part of the ATC Contract Animal Hospital Project.

3. Is there a control drawing for the replacement of the existing FX60 per Section 1.1 Seq, of Operations and Mech Drawing MD3.0. We need to know if there are any points remaining that we need to bring into new controller being installed in Small Primate bldg.

Answer:

No, this controller (The supervisory controller is the FX-60 with an IP drop that will be reused for the new controller to communicate, the actual unit controller is a PCG connected to the FX-60. All new ATC controls are Small Primate specific and included in this contract

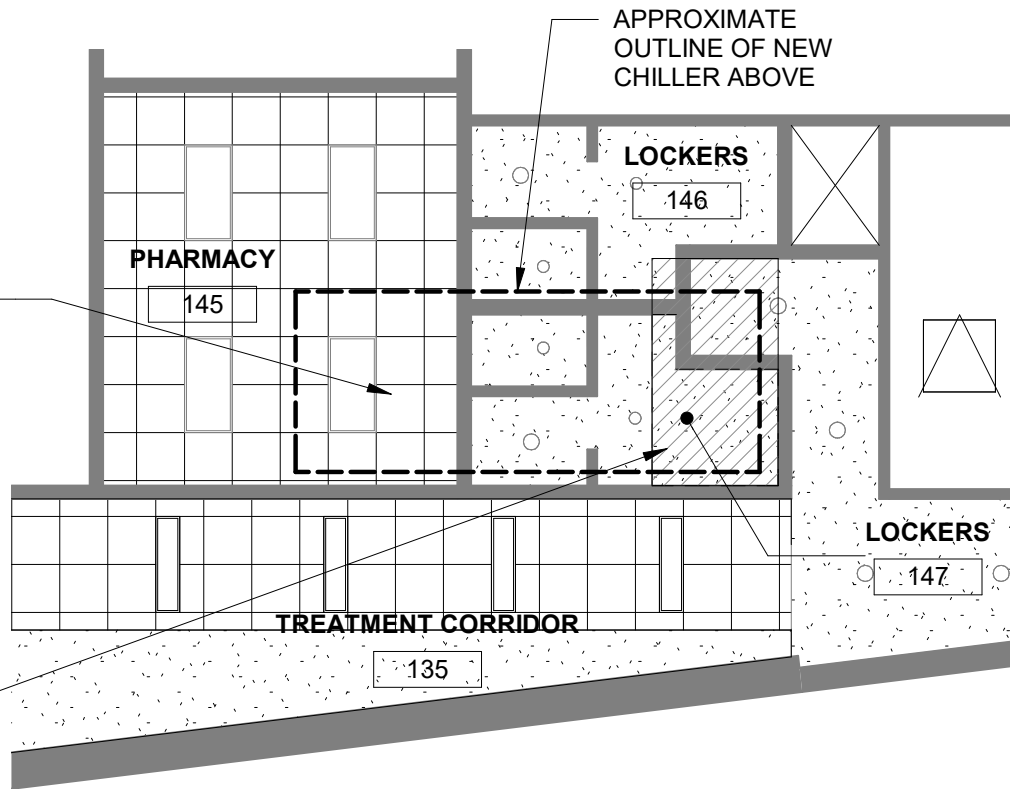
4. Section 1.2 B state upon loss of power, controller shall divert power only to AHU-1 Supply Fan, All controllers and valve actuators for EHC-1 and CC-1

Answer:

Correct. Upon loss of power as through a signal received through the fiber optics cable through the local receiver to the local controller (not supervisor) the unit supply fan shall still operate, but the condensing unit (CU-1) and electric coil (EC-1) shall not be commanded to enable, only the supply fan and valves (actuators) to both CC-1 and EHC-1, as well as the PLC.

CAREFULLY REMOVE AND SALVAGE CEILING TILE, FRAMING, DEVICES, GRILLES/ REGISTERS/ DIFFUSERS, AND LIGHT FIXTURES BELOW AREA OF STEEL DUNNAGE REPLACEMENT FOR REINSTALLATION

REMOVE HATCHED AREA OF EXISTING GWB CLG TO CREATE ACCESS FOR STEEL DUNNAGE REPLACEMENT. REMOVE AND SALVAGE ALL CEILING MOUNTED DEVICES, GRILLES/ REGISTERS/ DIFFUSERS, AND LIGHT FIXTURES FOR REINSTALLATION.



NOTE:

1. SPRINKLER AND FIRE ALARM SYSTEMS TO REMAIN IN CONSTANT OPERATION. FOR ANY CLG WORK WHERE CLG REMAINS OPEN AT THE END OF THE DAY, SPRINKLER HEADS TO BE TEMPORARILY ROTATED UP UNTIL NEW CLG IS INSTALLED.
2. EXTENT OF GWB REMOVAL MAY BE LARGER TO FACILITATE MEANS & METHODS OF WORK.



**Animal Hospital
Mechanical Upgrades**

150 S. Independence Mall West
Suite 1200
Philadelphia, PA 19106
phone: 215.829.0922
facsimile: 215.829.0596

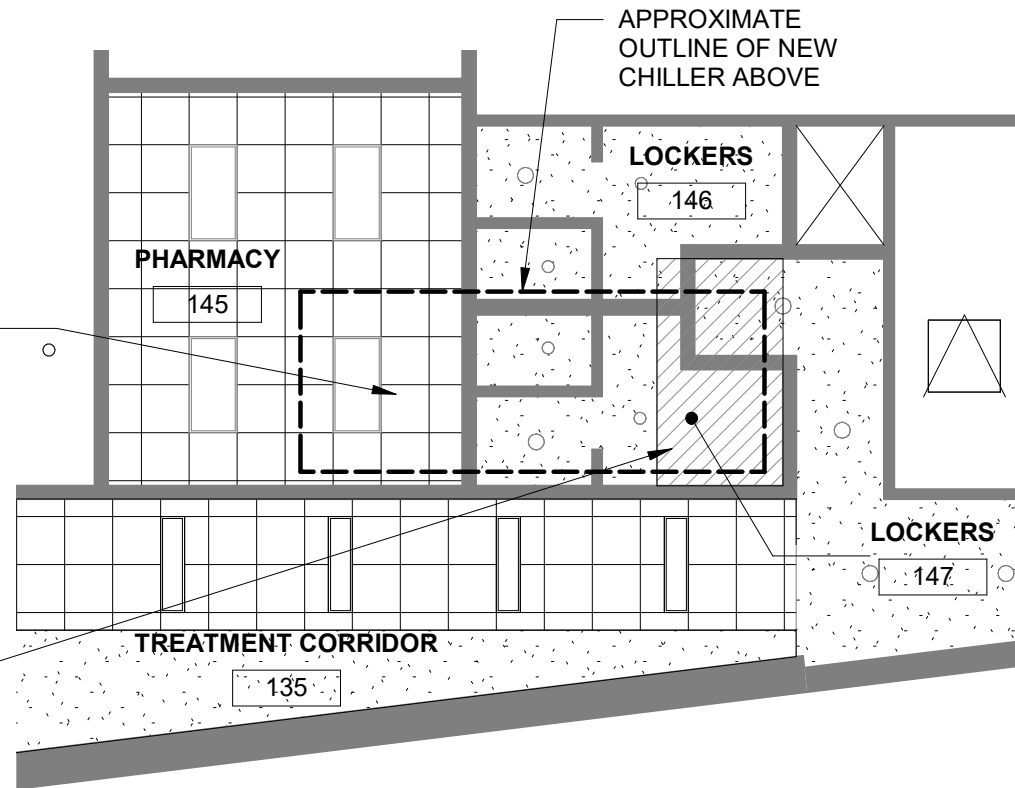
BHA Job Number:	17-116
Scale:	1/8" = 1'-0"
Drawn By:	TL
Sheet(s) Affected:	5/A1.1
Date:	09/12/19
Revision:	Amendment #3

Sheet Name:
**Partial Demolition
RCP**
Sheet No:

ASK-1

REINSTALL ALL CEILING TILE, GRID, DEVICES, GRILLES/ REGISTERS/ DIFFUSERS, AND LIGHT FIXTURES DISPLACED DURING CONSTRUCTION; REPLACE ANY DAMAGED CEILING TILE OR GRID WITH MATERIAL TO MATCH EXISTING

FURNISH AND INSTALL NEW GWB CLG IN HATCHED AREA - REINSTALL ANY CEILING MOUNTED DEVICES, GRILLES/ REGISTERS/ DIFFUSERS, AND LIGHT FIXTURES DISPLACED DURING CONSTRUCTION - PAINT TO MATCH EXISTING CEILING - CEILING HEIGHT TO MATCH EXISTING AND BE FLUSH



NOTE:

1. SPRINKLER AND FIRE ALARM SYSTEM DEVICES TO BE RETURNED TO ORIGINAL LOCATIONS AND POSITIONS.



**Animal Hospital
Mechanical Upgrades**

150 S. Independence Mall West
Suite 1200
Philadelphia, PA 19106
phone: 215.829.0922
facsimile: 215.829.0596

BHA Job Number:	17-116
Scale:	1/8" = 1'-0"
Drawn By:	TL
Sheet(s) Affected:	6/A1.1
Date:	09/12/19
Revision:	Amendment #3

Sheet Name:
**Partial Reflected
Ceiling Plan**
Sheet No:

ASK-2

© Copyright 2019 Blackney Hayes Architects