Philadelphia Regional Port Authority
3460 North Delaware Ave. 2nd Floor
Philadelphia, PA 19134

October 12, 2022

To: All Bidders

From: Kate Bailey
Director of Procurement

Re: ADDENDUM NO. 2
22-074.0 - PAMT H6 & H7 Crane Electrification

This Addendum No. 2 is issued to:

1. Clarify that the 20% DBE minimum participation level is a requirement of the contract.

2. To respond to the following questions received:

Q1: Are you looking for a VFD controlled cable reel or a magnetic coupler cable reel, which is the design we proposed for Tioga? The original specification for PAMT called out a VFD reel. And it looks like this requirement has been removed from the latest specification.

A1: VFD controlled cable reel.

Q2: It looks like the "Buy America" requirement may have a waiver. Conductix Wampfler can supply a solution using 60 to 65% US Steel content. Is this beneficial here or not relevant?

A2: The waiver excludes the cable reel system only from the Buy America requirements. All other project related costs are subject to Buy America requirements. There is no requirement to list the makeup of steel content used for the cable reel.

Q3: Does the Port/Tenant have a preferred brand of inverter for the cable reel drive system?

A3: There is no preference as long as supplier can meet the specification.

Q4: What is the intent for the Ethernet cable C20 shown on drawing 0034.0004.10-301 – for command of the cable reel drive, or only for monitoring?

A4: The purpose of the ethernet cable is to both receive and send data to the Crane PLC. Programming of the Crane PLC is not within this contract. Intention is for control of the Cable Reel Drive from the Crane PLC.

Q5: If the ethernet interface from crane PLC is not intended for control of the cable reel drive, what signals will be available from the main PLC or gantry drive? Minimum would be dry contact signals for Cable Reel Run, Reeling Out. Preferred to also have signals for gantry acceleration, deceleration and emergency stop.

A5: Ethernet communications from the Crane PLC to the Cable Reel Drive is intended for control of the Cable Reel Drive. Crane PLC programming is not within this contract.

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Q6: Is the vacant engine room a conditioned space? If not, would consideration be given to locate the cable reel drive PCD in the electrical house?

A6: The Engine room will not be an air conditioned space but will have ventilation fans for air movement. The PCD will be mounted in this room.

Q7: Who is responsible for software changes in crane PLC to accomplish cable reel control and interlocking with gantry system?

A7: Crane PLC programming is outside the scope of this contract.

Q8: Understand that final commissioning of the cable reel is outside the scope of this contract due to other owner/tenant work. Will there be a separate contract for final commissioning of the cable reel?

A8: Yes, final commissioning will be on a separate contract.

Q9: Per the technical spec on page 273 of 390, you find the below table.
Question is: What is meant by "shall comply"? Does this mean the reels and controls need to be third party listed/certified or is it simply enough to build the reels and controls to those standards?

5.2. Standards and Codes

5.2.1. The Contractor work and all supplied components shall be in accordance with the latest version of all applicable standards.

5.2.2. All electrical components and systems shall comply with NEMA, National Electrical Code (NEC)-NFPA 70, NFPA 79 Electrical Standard for Industrial Machinery, UL, IEC, IEEE, ASME B30.24 and with the latest version of regulatory requirements in effect at the Owner's site.

5.2.3. The following table provides a list of regulations referred to in these Specifications.

5.2.3.1. Standards Table

Abbreviation	Title / Description
ABMA	American Bearing Manufacturers Association
AGMA	American Gear Manufacturers Association
AISC	American Institute of Steel Construction (ASD)
AISI	American Iron and Steel Institute
AIST	Associations of Iron and Steel Technology (formerly AISE)
ANSI	American National Standards Institute
ASCE	American Society of Civil Engineers
ASHRAE	American Society of Heating, Refrigeration, and Air-Conditioning Engineers
ASM	American Society for Metals
ASME	American Society of Mechanical Engineers
ASNT	American Society for Nondestructive Testing
ASTM	American Society for Testing and Materials
AWS	American Welding Society – Bridges and Dynamically Loaded Structures
CMAA	Crane Manufacturer's Association of America
FEM	Federation Europeenne de la Manutention
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical and Electronic Engineers
ISO	International Standards Organization
JIC	Joint Industrial Council
NACE	NACE International (formerly National Association of Corrosion Engineers)
NEC	National Electric Code
NEMA	National Electrical Manufacturer's Association
NETA	International Electrical Testing Association
NFPA	National Fluid Power Association
NFPA	National Fire Protection Association

A9: Building the reels and controls to these standards is the intent. If there are deviations to these standards, they will need to be identified during the design review process.

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Q10: The original specification for PAMT called out a VFD reel. And it looks like this requirement has been removed from the latest specification. Is a VFD controlled cable reel or a magnetic coupler cable reel required?

A10: See A1.

Q11: It looks like the "Buy America" requirement may have a waiver. Is it beneficial to supply a cable reel solution using 60 to 65% US content?

A11: See A2.

Q12: Is there a specification for the following electrical equipment:

a. SWX – 30 KVA transformer
b. SWP – 120/208 volt panel
c. PCD - ????

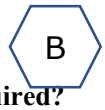
A12: a. SWX specification – Eaton 30 KVA 3 Phase Type EPT Model Y48M28T30N or approved equal.
b. SWP specification – Eaton Pow-R-Line 1X 120/208V 3 phase 4 wire with 100A main breaker. Main and load breakers to be QBHW type.
c. Section 8 13.2 KV Cable Reel & Cable.

Q13: The cable schedule on drawing 0034.0004.10.302 lists cable trays 1, 2, & 3. Are these identified on the drawings?

A13: Drawings 0034.0004.10-305, 306, and 307 identify the new trays to be procured and installed.

Q14: Drawing 0034.004.10.300 1 Line shows a 500 amp feeder from transformer ASW to 480 volt Auxiliary Power

d. Where is Aux Power



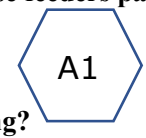
e. What size feeder is required?

f. What is the routing?

A14: This is out of scope for this project.

Q15: Drawing 0034.004.10.300 1 Line shows a 2 – 1000 amp feeders from transformer DSW to Drive #1 and Drive #2 – Are these feeders part of this bid?

g. Where are



h. What is the routing?

A15: This is out of scope for this project.

All other terms and conditions remain unchanged.

Bidders shall acknowledge receipt of this addendum by immediately emailing a copy of the completed acknowledgment to Kate Bailey at procurement@philaport.com

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ACKNOWLEDGMENT OF RECEIPT OF ADDENDUM NO. 2
Project #22-074.0
PAMT H6 & H7 Crane Electrification

Date_____ By_____

Company_____

Telephone_____

Fax_____

Email _____