



55 International Drive Portsmouth NH 03801

INVITATION FOR BID

Phantom CNC Systems, Reaper, CNC Router or Equal

Date Issued: March 25, 2024

Your response should include one original and one duplicate copy (labeled as such).

Pease Development Authority
Phantom CNC Systems, Reaper, CNC Router, or Equal
Invitation For Bid
March 25, 2024

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ADVERTISEMENT FOR BIDS

The Pease Development Authority (herein called "PDA" or "Owner") invites sealed bids for the supply and delivery of one (1) new Phantom CNC Systems, Reaper, CNC Router, or Equal. Bids will be received at the offices of the PDA Maintenance Department, 7 Lee St, Portsmouth, New Hampshire until **10:00 a.m. local time, April 8, 2024**, at which time they will be opened publicly and read aloud. The mailing address is:

PDA Maintenance Dept.
ATTN: K.C. Conley
7 Lee Street
Portsmouth, NH 03801

Bids shall be enclosed in **two (2) sealed envelopes (inner and outer)**, both of which shall be sealed and clearly labeled on the outer envelope, **Bids for One (1) New Phantom CNC Systems, Reaper, CNC Router, or Equal. Attn: Maintenance Department."**

Bid documents and instructions for submittal may be obtained online at <https://peasedev.org/business/bids-opportunities> beginning on March 25, 2024, or by email at bids@peasedev.org. Please direct bidding questions to Pease Development Authority procurement department, Toni-Marie Vaughn bids@peasedev.org, technical questions to Pease Development Authority maintenance department, KC Conley 603-234-5307.

Disadvantaged Business Enterprises will be afforded full opportunity to submit responses to this advertisement. PDA, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (42 USC §§ 2000d to 2000d-4), hereby notifies all offerors that it will affirmatively ensure no businesses will be discriminated against on the grounds of race, color, national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability in consideration for an award

INSTRUCTIONS FOR SUBMITTING BIDS

1. Receipt and Opening of Bids.

The Pease Development Authority (herein called "PDA" or the "Owner"), invites sealed bids on the form attached hereto, all blanks of which must be appropriately filled in. The Owner will receive bids at its offices located at 7 Lee St, Portsmouth, New Hampshire, **until 10:00 a.m., April 8, 2024**. The mailing address is:

Pease Development Authority
Attn.: Maintenance Department
7 Lee St
Portsmouth, New Hampshire 03801

The bid package should include **one (1) original** and **one (1) duplicate** copy and shall be enclosed in **two (2) envelopes (inner and outer)** to prevent premature opening. Both envelopes shall be sealed and clearly labeled, "**One (1) New Phantom CNC Systems, Reaper, CNC Router, or Equal**".

The Owner may consider informal any bid not prepared and submitted in accordance with the provisions herein and may waive any informalities or reject any and all bids. Any bid may be withdrawn prior to the above scheduled time for opening or authorized postponement thereof. Any bid received after the time and date specified above shall not be considered. No Contractor may withdraw a bid within 90 calendar days after the actual date of the opening thereof.

Bidders must quote on all items appearing on the bid form. All blank spaces must be correctly filled in. Failure to quote on all items may disqualify the bid.

Bid award will be based on the bidder submitting the best value proposition in the market. This fact will be considered during the evaluation of each bid.

2. Description.

This Invitation For Bid (IFB) document consists of Technical Specifications providing the purchase of One (1) new Phantom CNC Systems, Reaper, CNC Router, or Equal with included training, tooling, warranty, delivery and installation at the Pease Development Authority Maintenance department.

3. Contract Award.

The award will be based on both feature set and costs “value proposition”. The Owner will award the Contract, at its sole discretion, to the lowest responsive, responsible Bidder. Upon approval of the selected Contractor by the Pease Development Authority Board of Directors, a Notice to proceed will be prepared by PDA and forwarded to the Contractor for execution.

4. Eligibility.

At the sole discretion of PDA, any Contractor that has previously submitted a bid to the PDA or entered into an Agreement with the PDA and has not complied with the required terms of the Agreement may not be eligible to submit a bid.

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1. GENERAL

The following technical specifications describe a Phantom CNC Systems Reaper CNC Router. Dictated by Portsmouth Development Authority's (herein referred to as PDA) Bid Policy and NH State guidelines, it is customary to provide a comparable (comp) product within the pertinent open market to constitute the Owner's - desired attributes are realistic and accurate against a current offering, as prescribed within, when advertising for a bid.

2. INTERPRETATION OF BID REQUEST & INSTRUCTION

Given the custom nature of the item in this IFB, a CNC router, the technical specifications provided for the comp serve as a general baseline. Providing a detailed list of all non-standard features could potentially be- misrepresentative of the market, leading, and unethical, and thereby undermining the bid process and associated comp manufacturer. For that reason, not all specifications will meet PDA's needs, and some will exceed them; it is imperative to refer to the *Options and Exceptions* section of this document for supplemental detail.

Concerning the Written Bid: Please provide the specifications of your proposed base model and unit cost. The subsequent items in the Bid should be all options/add-ons offered by the Bidder for the proposed base model which MATCH those indicated in the *Options and Exceptions* section of this IFB. Each option should be accompanied by a description for clarity and individual contributing cost. Please provide a sum for the grand total of the base model plus all matching options proposed at the end of that section of the bid.

Note: Any option listed within sharing the same of the comp is unintentional.

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It is understood that not all options are realistically attainable either due to platform design, cost, or marketing strategy, etc. with an “a la carte” feature set, i.e. manufacturers offer differing combinations of options, standard features, or feature omissions for a given base model to construct a unique value proposition in the market. This fact will be considered during the evaluation of each Bid. The Bidder shall be allowed a *Justification* section, if necessary, should they contest the value of a critical option over another that may eliminate them from bidding with detailed justification, however any realized inaccuracies or exaggerations will result in immediate dismissal of the bid in its entirety.

3. TECHNICAL SPECIFICATIONS- COMP BASE

- 3.1. Fully welded steel frame
- 3.2. Working Area: 4' x 8'
- 3.3. Spindle: 16.1HP VFD air cooled, type ISO30 ER32-45L compatible with automatic tool change systems (ATC) (See Section 4)
- 3.4. ATC tool holder has capacity for 8 tools matching spindle type located to the rear of the Y-Axis. (See Section 4)
- 3.5. Multi-zone vacuum table with T-slot style hold downs and ball valves for zone control
 - 3.5.1. Tabletop material: Phenolic
- 3.6. Dual pneumatic rollers applying 600 pounds of down pressure to your substrate (See Section 4)
- 3.7. 220V 1ph 50A power (See Section 4)
- 3.8. Servo motors and drives
- 3.9. High precision gear reduction
- 3.10. Z-axis transmission components made of aviation aluminum alloy T6061/6063
- 3.11. Air operated retractable dust collection hood
- 3.12. Automatic Tool Height calibration sensor (touch registration)
- 3.13. Automatic lubrication system for rack, pinion, and ball screw
- 3.14. Oil mister and air-cooling system.
- 3.15. Dedicated CNC motor controller and drive system with standalone interface

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3.15.1. Remote control (pendant) for motion control

3.16. System controller and all peripherals contained within a single enclosure.

3.17. Multi-software compatibility: Compatible with various CAD/CAM software

3.18. Pneumatic material reference pins

4. OPTIONS & EXCEPTIONS

4.1. Ref 3.3- Spindle: Minimum 10HP (L/C preferred, air cooled will be accepted)

4.2. Ref 3.4- ATC tool holder to have a minimum capacity of four tools.

4.3. Ref 3.6- Pneumatic rollers are a proprietary feature of Phantom CNC Systems and is not a requirement for any other manufacturer placing a bid.

4.4. Ref 3.7- Single phase is preferred, 3 Phase will be accepted. No present current limit

4.5. Note if Vacuum pump is included denote component cost online (2) of bid page.

4.6. Appropriately sized rotary vane vacuum pump(s) with muffler

4.7. Emergency stops located around machine perimeter.

4.8. Limit Switches on X, Y, Z axes with boundary alarms.

4.9. Full license for Vectric VCarve Pro, or similar, CAD/CAM software package

4.10. All cables/cords required for the unit to be operational to be accompanied with all supplied electronics and CNC.

5. ACCESSORIES & CONSUMABLES

5.1. Tooling:

5.1.1. Typical in Sign Making: *Diameters are for both the shank and flutes.* 1/4" Compression; 1/4" Short Flute Compression; 1/8" Down-Cut; 1/4" Up-Cut; 60 Degree V-groove; 1/32" Tapered Ball End; 1/4" Ball Nose; 1/4" 'O' Flute; 1/4" Open Helix, 1/4" 3 Flute Up-Cut, 1/2" Compression, 1/2" O-Flute

5.1.2. General Tooling: *Diameters are for both the shank and flutes.* 1/2" 45° Chamfer, Carbide; 1/2" 4 flute Endmill, Carbide.

5.1.3. 2 1/2" Diameter surfacing/ flattening bit w/ four replaceable, and indexable carbide insert blades; include 10 extra blades.

5.1.4. Drag knife cutting tool- collet insertable via 1/2" or 1/4" shank, carbide blades.

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6. INSURANCE.

6.1. Contractor to Provide.

6.1.1. **Comprehensive General Liability** Insurance, on an occurrence basis (including vendors coverage) \$2,000,000 each occurrence, \$2,000,000 products aggregate, and \$2,000,000 general aggregate.

6.1.2. **Automobile Liability** with \$1,000,000 combined single limit.

6.1.3. **Evidence of Umbrella Liability** coverage if CGL coverage is short of requisite minimum.

6.1.4. **Evidence of Workers Compensation** coverage as required under state law for all personnel performing work under the Contract (state law exclusion from coverage for proprietors/partners/executive officers not permitted).

6.1.5. **Such other Insurance** as the Pease Development Authority (PDA) may determine necessary to insure against risks arising under the Contract.

6.2. PDA as Additional Insured.

6.2.1. All such policies of insurance (except Workers Compensation) shall name the PDA as additional insured, shall include a waiver of subrogation and shall be primary and non-contributory with respect to insurance carried by the PDA.

7. WARRANTY.

7.1. All non-consumable items are covered under a factory warrantee for 2 years, often referred to as a "bumper-to-bumper" warranty, with an option to extend before warranty period ends rather than ONLY at the time of purchase.

8. DELIVERY, INSTALLATION, & TRAINING.

8.1. Full order should be delivered to the installation facility within four (4) standard weeks of P.O. issuance to supplier/ manufacturer. The CNC will be delivered with all separate standard items and accessories and any purchased additional items listed on the PO.

8.2. All items to be packaged securely together on a pallet(s) to facilitate easy transfer of product package from delivery vehicle to installation location using a fork truck. The installation cannot begin until the delivery's contents are accounted for against the packing list and P.O.

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- 8.3. An OEM certified technician will be present at the time of delivery or the following day to conduct the installation and setup procedure of both the machine and software (including any required updates to both).
- 8.4. The technician will provide a signed and dated report or checklist indicating functional verification and calibration activities were performed and the results to confirm all functions are within working order as behaved.
- 8.4.1. **The technician must validate the CNC's accuracy and repeatability of the X, Y, & Z axes must be validated along each respective range of travel to be within the manufacturer's specifications before signing off and release from any obligations of delivery and installation can occur.**
- 8.5. Training will be in person either on-site at the installed location or at the manufacturer's facility for no less than 1 full working day of instruction. Further training via an online option for convenience will be available. Initial on-site training to be conducted at the time of setup with any additional training at the convenience of both parties.

9. BID SUBMITTAL.

The attached bid form on the last page is required for this bid. It must be received at the following address not later than 10:00 a.m. local time, April 8, 2024.

PDA Maintenance Dept.
ATTN: K.C. Conley
7 Lee Street
Portsmouth, NH 03801

Bids must be enclosed in sealed envelopes (inner and outer), both of which must be clearly labeled Bid Documents Submitted by (vendors name) for one (1) new Phantom CNC Systems, Reaper, CNC Router, or Equal

Before preparing the bid, vendors should carefully examine the Technical Specifications. In the event the vendor discovers discrepancies or omissions in the specifications, or is in doubt as to the intent, the vendor should contact the Airport Maintenance Manager or his/her designee at (603) 334-6015. Any discrepancies or omissions discovered will be immediately forwarded to all persons who have received the specifications directly from the PDA.

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The UNDERSIGNED does hereby certify that the items to be furnished to the Pease Development Authority (PDA) meet all of the specifications and requirements.

The UNDERSIGNED, hereby certifies that no employee, officer, or agent of the PDA, nor any member of their immediate family has any interest in the award of a contract herein; nor, is any such employee, officer, or agent employed by or about to become an officer or employee of any person, firm, partnership, or corporation which may benefit from the award of the contract herein.

The UNDERSIGNED must be familiar with all aspects of the delivery of the product and be familiar with the conditions of the site.

This certification is based on the foregoing issued before execution of this Bid Form, and any addendums hereafter to be made.

The PDA will award the contract for supply and delivery of one (1) New Phantom CNC Systems, Reaper, CNC Router, or Equal. I to the lowest responsible, responsive Bidder, PDA will consider the relevant qualifications including performance on prior contracts. **The PDA reserves the right to reject any and all bids or to waive any informalities.**

NOTE: Bids must be enclosed in sealed envelopes (inner and outer), both of which must be clearly labeled Bid Documents Submitted by (vendors name) for ONE (1) NEW Phantom CNC Systems, Reaper, CNC Router, or Equal

Price: All-inclusive price for supply and delivery of One (1) New Phantom CNC Systems, Reaper, CNC Router, or Equal at Pease Development Authority according to the specifications contained herein:

Dollars: \$ _____

(1) Components included in cost (vacuum pump) \$ _____

(Unit price is to be shown in both words and figures. In case of discrepancy, the unit price shown in words will govern.)

Note: **Bids must bear the handwritten signature of a duly authorized member or employee of the organization making the bid.**

CONTRACTOR: (Sign) _____

by: (Print) _____

(Its) (Title) _____

DATE: _____

Address: _____

Phone: _____

Fax: _____

Email: _____