



# NORFOLK AIRPORT AUTHORITY

## INVITATION FOR BIDS

**Project:** Medium Wheel Loader REPLACEMENT

**Issue Date:** Tuesday, September 13, 2022

**IFB #:** 2022-09-13

**Issuing Agency:** Norfolk Airport Authority®  
2200 Norview Avenue  
Norfolk, Virginia 23518

**Deadline for Questions/Substitution Requests** Monday, September 26, 2022  
5:00 pm eastern

**Sealed Bids Due:** Tuesday, October 11, 2022  
**Opening Location:** 2:00 pm eastern  
Norfolk International Airport HR Offices  
Conference Room A

**All Inquiries Should be Directed To:** Shelia Ward,  
Chief Operations Officer [sward@norfolkairport.com](mailto:sward@norfolkairport.com)

## INVITATION FOR BIDS

**PROJECT: Purchase of 2 Medium Wheel Loaders**

**LOCATION: Norfolk International Airport**

**INVITATION DATE: 2022-09-13**

The Norfolk Airport Authority will receive sealed Bids for the above titled Project at the **Administration Office front desk, located at Norfolk International Airport, until 2:00 pm local time Tuesday, October 11, 2022**, at which time the Bids will be publicly opened and read aloud. Any Bids received after the specified time and date will not be considered.

The Wheel Loaders specifications must have at a minimum...

- Engine Power@ 1,600 rpm => 321 HP
- Gross Power @ 1, 600 rpm => 325 HP
- Net Power @ 1,600 rpm => 292 HP
- Engine Torque @ 1,200 rpm => 1300 ft-lbf
- Gross Torque @ 1,200 rpm => 1300 ft-lbf
- Net Torque @1,200 rpm => 1200 ft-lbf
- Bore < 5.0 in
- Stroke < 6.0 in
- Displacement <600 in
- The Cat engine must meet U.S. EPA Tier 4 Final
- The Cat engine should be compatible with the following renewable, alternative and biodiesel fuels that reduce greenhouse gases on a lifecycle basis.
- Operating Weight =>45000 lb
- Static Tipping Load – Full 37 Degree turn, => 30000 lb  
With tire deflection
- Static Tipping Load – Full 37 Degree turn => 32000  
With no tire deflection
- Breakout Force =>36000 ibf
- Bucket Capacities 5-10 yds
- With Cooling Fan Speed at Maximum Value- 75 dB(A)  
Operator Sound Pressure Level
- With Cooling Fan Speed at Maximum Value- 110 dB(A)  
Exterior Sound Power Level
- Forward -1 => 4.0 mile/h
- Reverse -1 =>4.0 mile/h
- Forward -2 =>7.0 mile/h
- Reverse- 2 =>8.0 mile/h
- Forward -3 =>13 mile/h

- Reverse - 3 =>14 mile/h
- Forward -4 =>21 mile/h
- Reverse- 4 =>22 mile/h
- Fuel Tank =>84 gal (US)
- DEF Tank =>6.0 gal (US)
- Cooling System =>14 gal (US)
- Crankcase =>6.0 gal (US)
- Transmission =>14 gal (US)
- Differential - Final Drives - Front =>15 gal (US)
- Differential - Final Drives - Rear =>15 gal (US)
- Hydraulic Tank =>26 gal (US)
- Implement Pump Type Variable Displacement Piston, Load Sensing
- Implement System - Maximum Flow@ 2,275 rpm =<80 gal/min
- Implement System - Maximum Operating Pressure =< 4047 psi
- Implement System - Maximum Flow 3rd Function =<60 gal/min
- Implement System - Maximum Operating Pressure 3rd Function =<3304 psi
- Hydraulic Cycle Time - Raise from Carry Position =>5.0s
- Hydraulic Cycle Time - Dump, at Maximum Raise =<1.8 s
- Hydraulic Cycle Time - Lower, Empty, Float Down =>2.0 s
- Brakes must meet industry standards
- Height-Top of Hood =>9.0 ft
- Height-Top of Exhaust Pipe =>11 ft
- B-Pln Height =>13 ft
- Height-Top of ROPS =>11 ft
- Centerline of Rear Axle to Edge of Counterweight =>8.0 ft
- Ground Clearance >1.45 ft
- Wheel Base >11 ft
- Centerline of Rear Axle to Hitch >5.5 ft
- Rack Back - Maximum Lift => 62°
- Rack Back - Carry soO
- Rack Back - Ground =>42 °
- Lift Arm Clearance =< 12.6 ft

#### OPERATOR ENVIRONMENT

- Air conditioning (HVAC) with 10 vents and filter unit located outside of cab Bucket/work tool function lockout
- Switch, transmission neutralizer lockout Cab, pressurized and sound suppressed Camera, rearview
- Coat hook

- Computerized monitoring system
- Cup holders and personal tray on right console and behind seat Horn
- Mirrors, rearview external with integrated spot mirror
- Pilot hydraulic controls, lift and tilt function; two (2) single axis levers or joystick 12V power port (10A) radio ready ROPS/FOPS structure
- Seat, Cat Comfort (cloth), mechanical suspension Steering column, adjustable angle
- Window, sliding (left and right sides) Wipers/washers (front and rear)

#### POWER TRAIN

- Axels, Open/Open differentials
- Brakes, full hydraulic enclosed wet-disc
- EIMS (Engine Idle Management System) AIS (Auto Idle Shutdown)
- Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand Fan, reversing automatic and manual control
- Filter, fuel primary/secondary/tertiary Filters, engine air, primary/secondary Fuel priming pump (electric) Fuel/water separator
- Radiator, unit core with ATAAC Torque converter
- Transmission, powershift, automatic with kick-down function, overspeed protection

#### LINKAGE

- Lift and bucket return-to-dig kickouts (electro-magnetic), mechanical adjustment

#### HYDRAULICS

- Dedicated brake and fan pump
- Dedicated load sensing steering pump
- Load sensing implement system pilot operated, oil sampling valves

#### ELECTRICAL

- Alarm, back-up variable/main disconnect switch Alternator
- Ignition key; start/stop
- Lighting system
- Starting and charging system, 24V

#### CONNECTING RAMP PLOW

- Must be capable of dozing => 31' wide path with the end cups containing => 544 cubic feet of snow
- Width =>21'
- Height 55"
- Cutting Edge Steel Cutting edge
- Angle => 35 degrees left and 35 degrees right
- Mode of Angle Hydraulically actuated ends that fold forward independently
- Mount Multiple hitch configurations available that match most loaders. Retrofittable to existing Loaders

#### ADDITIONAL EQUIPMENT

- Cold weather starting
- Fenders (front) steel Grill, airborne debris' Hitch, drawbar with pin
- Hood, metallic on steel structure
- Doors, service access (locking)
- L3 radial or bias ply tires
- Precleaner, strata tubes
- Backup camera
- Yellow Beacon Light
- Heated mirrors
- Power windows
- Power locks
- Heated cab

**WARRANTY (COMMERCIAL):** The contractor agrees that the goods or services furnished under any award resulting from this solicitation shall be covered by the most favorable commercial warranties the contractor gives any customer for such goods or services and that the rights and remedies provided therein are in addition to and do not limit those available to the Commonwealth by any other clause of this solicitation and rights and remedies permitted under applicable law. A copy of this warranty should be furnished with the bid/proposal.

**MAINTENANCE MANUALS:** The contractor shall provide with each piece of equipment an operations and maintenance manual with wiring diagrams, parts list, and a copy of all warranties.

**EXTRA CHARGES NOT ALLOWED:** The bid price shall be for complete delivery, to each location, ready for the Owner's use, and shall include all applicable freight and installation charges; extra charges will not be allowed.

#### **Bid Document Availability:**

<https://www.norfolkairport.com/about-us/business-opportunities/>

Bid Security in the amount of **five** percent (5%) of the Bid shall be submitted with each Bid.

Withdrawal of Bids due to error shall be subject to and in accordance with Section 2.2-4330 of the Code of Virginia and the Contract Documents.

**AWARD:** The award(s) will be based on the lowest responsive and responsible bidder that is received, provided that the bid is up to and including \$10,000 and the agency in its sole discretion determines that the bid price is fair and reasonable. In case of arithmetic errors, the unit price will govern. If cash discount for prompt payment is offered, it must be clearly shown in the space provided. Discounts for early prompt payment will not be considered in making awards.

The Owner reserves the right to waive minor non-substantive informalities in the Bid, to reject any/or all Bids, to award any Bid in whole or in part and award the Bid considered to be in the best interest of the Owner. The Owner also reserves the right to negotiate with the lowest responsive, responsible Bidder should Bid exceed available funds.

The Norfolk Airport Authority does not discriminate in the solicitation or awarding of contracts on the basis of race, religion, faith-based organizations, color, national origin, age, disability or any other basis prohibited by state or federal law.

**NOTICE – Bidders shall comply with the following Federal Provisions.**

- 1) General Civil Rights Provisions
- 2) Federal Fair Labor Standards Act (Federal Minimum Wage)
- 3) Occupational Safety and Health Act of 2970

By: Shelia Ward  
Chief Operations Officer  
Norfolk Airport Authority®

## Required Federal Contract Provisions for Non-AIP Projects (No Lease, No Land involvement)

### GENERAL CIVIL RIGHTS PROVISIONS

The contractor agrees to comply with pertinent statutes, Executive Orders and such rules as are promulgated to ensure that no person shall, on the grounds of race, creed, color, national origin, sex, age, or disability be excluded from participating in any activity conducted with or benefiting from Federal assistance.

This provision binds the contractor and subtier contractors from the bid solicitation period through the completion of the contract. This provision is in addition to that required of Title VI of the Civil Rights Act of 1964.

### CIVIL RIGHTS – TITLE VI ASSURANCE

#### Title VI Solicitation Notice:

The Norfolk Airport Authority, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

#### Compliance with Nondiscrimination Requirements:

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the “contractor”) agrees as follows:

1. Compliance with Regulations: The contractor (hereinafter includes consultants) will comply with the Title VI List of Pertinent Nondiscrimination Acts And Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
2. Non-discrimination: The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Nondiscrimination Acts and Authorities, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.

3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Nondiscrimination Acts And Authorities on the grounds of race, color, or national origin.
4. Information and Reports: The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the sponsor or the Federal Aviation Administration to be pertinent to ascertain compliance with such Nondiscrimination Acts And Authorities and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the sponsor or the Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.
5. Sanctions for Noncompliance: In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the sponsor will impose such contract sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:
  - a. Withholding payments to the contractor under the contract until the contractor complies; and/or
  - b. Cancelling, terminating, or suspending a contract, in whole or in part.
6. Incorporation of Provisions: The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the sponsor or the Federal Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the sponsor to enter into any litigation to protect the interests of the sponsor. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

Title VI List of Pertinent Nondiscrimination Acts and Authorities:

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq.*, 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin);



- 49 CFR part 21 (Non-discrimination In Federally-Assisted Programs of The Department of Transportation—Effectuation of Title VI of The Civil Rights Act of 1964);
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq.*), as amended, (prohibits discrimination on the basis of disability); and 49 CFR part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 *et seq.*), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act of 1990, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 – 12189) as implemented by Department of Transportation regulations at 49 CFR parts 37 and 38;
- The Federal Aviation Administration’s Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 *et seq.*).

#### FEDERAL FAIR LABOR STANDARDS ACT (FEDERAL MINIMUM WAGE)

All contracts and subcontracts that result from this solicitation incorporate by reference the provisions of 29 CFR part 201, the Federal Fair Labor Standards Act (FLSA), with the same force and effect as if given in full text. The FLSA sets minimum wage, overtime pay, recordkeeping, and child labor standards for full and part time workers.

The [*contractor / consultant*] has full responsibility to monitor compliance to the referenced statute or regulation. The [*contractor / consultant*] must address any claims or disputes that arise from this requirement directly with the U.S. Department of Labor – Wage and Hour Division

#### OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970

All contracts and subcontracts that result from this solicitation incorporate by reference the requirements of 29 CFR Part 1910 with the same force and effect as if given in full text. Contractor must provide a work environment that is free from recognized hazards that may cause death or serious physical harm to the employee. The Contractor retains full responsibility to monitor its compliance and their subcontractor's compliance with the applicable requirements of the Occupational Safety and Health Act of 1970 (20 CFR Part 1910). Contractor must address any claims or disputes that pertain to a referenced requirement directly with the U.S. Department of Labor – Occupational Safety and Health Administration.