

REQUEST FOR QUOTATION

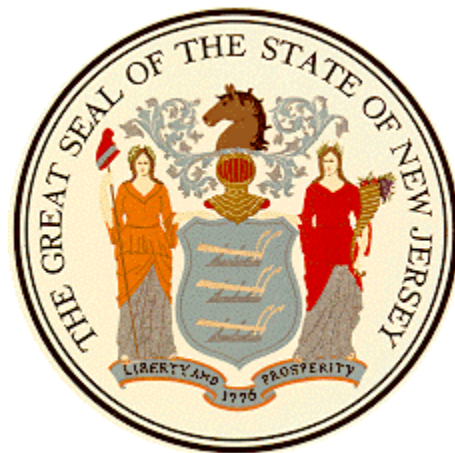
Inspection and Testing of Aerial Lift Vehicles

STATE OF NEW JERSEY

Honorable Philip D. Murphy, Governor
Honorable Sheila Y. Oliver, Lt. Governor

DEPARTMENT OF TRANSPORTATION

Diane Gutierrez-Scaccetti, Commissioner



September 6th, 2023

Important Dates

Question Cut-Off:	September 12th , 2023 @ 10:00 AM Email: dot-ems_bid.procurement@dot.nj.gov
Answers to Bid Questions:	Bidders are encouraged to monitor the NJDOT – EMS website daily for updates, changes and responses to questions through the submission due date. http://www.nj.gov/transportation/business/procurement/ems/current.shtm
Bid Opening:	September 19th, 2023 @ 10:00 AM Email: dot-ems_bid.procurement@dot.nj.gov Please identify the Project Name in the subject line of your e-mail. Quotes sent to any other e-mail address may result in the quote being rejected. The quote must be submitted in PDF format. No other format will be accepted.
Procurement Contact:	Nikki Ghorbani Email: dot-ems_bid.procurement@dot.nj.gov

1.0 INFORMATION FOR BIDDERS

1.1 PURPOSE AND INTENT

This Request for Quote (RFQ) is issued by the New Jersey Department of Transportation (NJDOT). The purpose of this RFQ is to solicit proposals for the inspection and testing of uninsulated and insulated aerial lift vehicles.

The intent of this RFQ is to award a contract to that responsible bidder whose quote, conforming to this RFQ is the lowest all-inclusive hourly rate and percentage discount on parts from the manufacturer's catalog, quoted for one (1) year at the start of the award.

This RFQ is for the testing and re-testing (if necessary) of aerial lift vehicles and does not encompass repairs. Repairs may be required as per the inspection; however, will be procured separately as per the NJDOT garage/vehicle user. The parts discount will be applied if repairs are required per the inspection and is a bid requirement for this RFQ

2.0 DEFINITIONS

ASTM – American Society for Testing and Materials

ANSI – American National Standards Institute

SNT-TC-1A-NDT Certification – An employer based certification program recommended by the American Society for Non-Destructive Testing

FRP – Fiberglass reinforced plastic. Used to characterize the construction of booms in aerial lift vehicles

COMMODITY DESCRIPTION/SCOPE OF WORK

3.0 GENERAL

This specification identifies the requirements for inspection and testing services for the State’s fleet of uninsulated and insulated aerial lift vehicles. Safety testing, to include inspection and dielectric testing in accordance with ASTM/ANSI standard specification A92.2 (Acoustic Emission testing is required on all lifts) and the additional specifications provided herein, shall be provided on an as needed basis. Retesting of vehicles which fail the inspection and testing, if required by NJDOT shall also be included.

3.1 INFORMATION FOR BIDDERS

Compensation for the services obtained under this time and material contract will be at the rates stated within this RFQ.

All Prices after discount shall be net firm prices, including all transportation charges to the state agency and not subject to increase during the period of the contract. Escalation clauses will not be accepted. No price escalation will be allowed during the period of the contract. Travel costs will not be paid and shall be incorporated in the proposed price. Overtime will not be compensated.

The bidder’s signature will guarantee that prices offered in the manufacturer’s preprinted price lists and/or catalogs will hold firm for the entire contract period. The bidder also waives all reference to the price escalation clauses, for shipping point, and shipping charges contained in the preprinted price lists, catalogs, and/or literature.

Vendor shall respond to a service call within three (3) days of agency request. In the event vendor fails to respond within three (3) days, agencies can seek damages and/or file a complaint with the Department of Treasury.

3.2 APPROXIMATE VEHICLE QUANTITIES

NJDOT fleet comprises approximately one hundred thirty (130) aerial lift vehicles comprised of ninety (90) insulated vehicles and forty (40) uninsulated vehicles.

The types of vehicles are as follows:

- Utility aerial basket trucks (1.5 ton and 2ton)
- Utility aerial platform trucks (1 ton and 2ton)
- Stake body trucks with aerialplatforms

All quantities are approximate and the State makes no guarantee as to minimum or maximum volume of work. NJDOT reserve the right to add or delete vehicles at any time during the term of the contract and the contractor shall service such vehicles at the same price as submitted in its bid proposal.

3.3 INSPECTION LOCATIONS

Testing shall be performed by two SNT-TC-1A NDT certified technicians and when performing NJDOT testing, will be conducted at the following NJDOT facilities:

NORTH REGION

1. NJDOT – Electrical Maintenance
RD#2 Hi Glen Drive
Stanhope, NJ 07874
2. NJDOT – Electrical Maintenance
602 Route 1 & 9 SB
Newark NJ 07114
3. NJDOT – Electrical Maintenance
Minisink Road At Rt. 80 East
Totowa NJ 07512

CENTRAL REGION

1. NJDOT – Electrical Maintenance
999 Parkway Ave – Bldg.#20 Fernwood
Trenton NJ 08625
2. NJDOT – Electrical Maintenance
2436 Paynters Road
House In Rear
Manasquan NJ 08736

SOUTH REGION

1. NJDOT – Electrical Maintenance
Rear Bldg. – 2nd Floor
Rt 70 & N.J. Turnpike
Cherry Hill, NJ 08037
2. NJDOT – Electrical Maintenance
398 Egg Harbor Road
Hammonton NJ 08037

Inspection and testing shall be performed Monday through Friday (excluding State Holidays) from 8:00AM to 3:30 PM. Testing shall be completed by the contractor as per the schedule provided by the NJDOT at the time it issues its purchase order.

3.4 INSPECTION

Inspection shall include visual and structural inspection as indicated in the following sub-sections.

Each Apparatus shall be prepared and conditioned in accordance with the latest ASTM/ANSI standard specifications for vehicle-mounted elevating and rotating aerial devices, ANSI A92.2.

Inspection and testing shall be performed by a two-man crew of certified SNT-TC-1A NDT technicians.

3.4.1 VISUAL INSPECTION

Visual inspection shall include, but not to be limited to, the following:

- Visual Inspection shall include the removal of inspection covers.
- Outriggers, pads, structure/welds, bolts, hoses, fittings, cylinders, check valves, pins and retainers.
- Chassis, truck frame, aerial sub-frame/mounting, suspension, PTO, brake hoses, brake (micro brake)lock assembly, pintle hook, electrical system, hydraulic/electrical components, steering components, exhausting system and cooling lines.
- Pedestal, mounting bolts/welds, pedestal structure, diagonal brace, attachment welds/pins, hydraulic swivel joint, hydraulic components, swing drive gear box/mounting bolts, backlash between swing pinion/bull gear and electric collector ring/brushes.
- Rotation bearing, upper/lower bearing attachment weld/bolts, vertical movement of bearing, and proper torque on accessible bearing bolts.
- Turntable, turntable structure, bucket leveling cables, leveling cylinder, compensating chain/sprocket, hydraulic components and lower control operation.
- Lower boom, boom structure, welds, lift cylinders/attachment, hydraulic components/lines, leveling cables/rods, upper/extend cylinders/attachment, push links, boom rest supports, tie down straps, lower boom insulator/mounting, boom extension roller assembly and wear pads.
- Elbow area, elbow structure, hydraulic hoses and levelling cables.
- Upper boom (extension), boom structure, welds, levelling cables/rods, wear pads, upper boom, insulator/mounting, hydraulic lines/components, jib structure/mounting, tool circuit hoses/fittings and pole claw arms/mounting brackets.
- Platform (bucket), mounting bracket/bolts, levelling system, exterior condition, control operation and hydraulic lines/components.
- Winch, mounting brackets/bolts/pins, gear box, hydraulic motor/lines load line condition and control operation.
- Load rating chart, electrical hazard placards, MADDCC placards and upper/lower control operation placards.
- Pin joints and retainers on outriggers, boom pivot, lower/lift cylinder, upper/extend cylinder, push links, elbow pivot, platform (bucket), leveling cylinders.
- Ultrasonic test (pins).
- Dielectric test of upper boom insulator, lower boom insulator, baskets/liners, jib (for insulated lifts only).
- Acoustic emission test of upper boom insulator, lower boom insulator, structural components.

3.5 STRUCTURAL INSPECTION

All structural inspections are mandatory and shall include, but not be limited to, the following:

- Magnetic particle inspection shall be performed on all critical welds, plates and castings.

- Dye penetrate inspection shall be performed on all critical welds, plates and castings made of nonferrous material and any area requiring verification of magnetic particle inspection.
- Ultrasonic inspection shall be performed on all accessible pins including outriggers, pedestal, boom and platform.

3.6 TESTING

An acoustic emission and load test shall be performed on the fiberglass structures and metal components as specified by ASTM (F 914-85)/ANSI (A92.2) standards.

Functional and operational tests are to be performed to check the operation of controls, bearings, pins, bushings, cylinders, holding valves, bucket leveling mechanism, etc., according to the ASTM/ANSI standards.

Dielectric test (to 100,000 volts) shall be conducted to verify the electrical insulating in the FRP upper/lower booms, double buckets and upper controls (for insulated lifts only).

A dielectric test on the hydraulic oil corresponding to ASTM D1816 standards shall be performed.

3.7 REASON FOR FAILURE

Vehicle mounted articulated boom devices shall be rejected for the following:

- Electrical breakdown
- Leakage current exceeding maximum limits as set forth in the appropriate ASTM/ANSI standard
- Mechanical Failures
- Manufacturing defect

3.8 REPORTS

For each vehicle that is tested, the contractor shall supply a written report that includes the information indicated in the following subsections.

Each vehicle report shall be reviewed with the NJDOT representative. Two (2) copies of each vehicle report shall be provided. One copy should be given to the appropriate regional site contact. The second copy of the report shall be sent to the contract manager.

IMPORTANT NOTE: Each bidder submitting a bid proposal should submit a sample “Standard Written Report Form” for use in the bid evaluation. The form shall be representative of the report format and content the bidder would provide if selected as the successful bidder. A bidder who fails to submit a sample report within five business days of a written or oral request from the State shall have its bid proposal rejected.

3.8.1 COVER SHEET

A cover sheet shall be provided for each report which must include the following information:

- Date of test, location of test
- Vehicle type and license plate number
- Manufacturer, model, serial number, month & year manufactured for the aerial device and chassis.
- Type of test performed.
- Rework recommendation, immediate repair recommendation
- Number of pages of report.
- Signature and date of technician performing test

3.8.2 VISUAL INSPECTION CHECKLIST

A checklist for the visual inspection must be provided which includes:

- All items listed under section Visual Inspection.
- If item is operationally sound, the checklist should indicate so:
- If item is defective, a defect code shall be assigned as follows:
 - Immediate action required – unit should be taken out of service (critical)
 - Repair as soon as possible, item may become critical shortly
 - Repair soon, next time unit is due for maintenance
 - No repair needed – defect should be watched and inspected periodically.

3.8.3 DIELECTRIC TEST RESULT

The dielectric test result must show the following:

- Rated RMS line voltage of vehicle.
- Temperature and humidity at time of test.
- Test voltage and leakage current for upper and lower boom insulators.
- Evaluation of test result.
- Location/cause of high leakage, if tested result indicate a problem.

3.8.4 ACOUSTIC EMISSION AND LOAD TESTS

The acoustic emission and tests must show the following:

- Type of device
- Type of suspension (outrigger 2 or 4m torsion bars, etc)
- Test loads indicating rated load and test loads
- Test results.
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3.8.5 TEST REPORT DEFECT SUMMARY

The defect summary must provide a listing of all defective items, defect codes and comments.

3.9 RETESTING

The State shall have the option to retest or not retest at no additional cost.

The retesting of vehicles shall take place at the facility where the original testing took place. Retesting shall conform to all requirements of these specifications. Unless the contractor and using agency agree to an alternate schedule, retesting of vehicles must be accomplished within three weeks of written or telephone notification by the Department of Transportation.

3.10 SCHEDULE

The contractor is expected to perform all aerial truck inspection annually for NJDOT. The goal of NJDOT and the contractor will be 100% inspection rate.

Inspections shall be performed at seven electrical maintenance yards in this RFP, unless the contractor and the State agree to conduct the inspection at an alternate site.

Any scheduling problems are reported immediately to the contract manager. Failure of the contractor to perform/adhere to the inspection schedule will result in the contractor being in non-conformance with the contract terms and conditions and may result in the termination of its contract.

Any changes in the inspection and testing schedule are subject to the approval of NJDOT. Acceptance of any schedule changes is solely at NJDOT's discretion.

4.0 Quote Content

A quotation must arrive at NJDOT in accordance with this RFQ, within the time frame indicated to the e-mail address noted in this RFQ. The quote should be submitted in two (2) sections with the content of each as indicated below.

A. Section 1 – Forms

The Vendor must submit all the forms listed on the checklist. The checklist and required forms can be found at the following link:

<https://www.state.nj.us/treasury/purchase/forms/Waiver%20and%20DPA%20Contract%20Checklist.pdf>.

All required DPA forms must be completed and submitted in their entirety with your bid. Failure to submit the required DPA Forms may result in your bid being rejected.

NOTE: The Vendor must be registered in NJSTART to qualify for an award. NJSTART registration link as follows: <https://www.njstart.gov/bs/>

B. Section 2 – Quote and Price

The Vendor may supply their own quote; however, a signed PB-120 Form should be submitted indicating the total price for all aspects of this RFQ. Failure to submit this form shall deem your bid non-responsive and your bid will be rejected.

The quote must be submitted in PDF format. No other format will be accepted.

5.0 Negotiation and best and final offer (BAFO)

After evaluating the quote, NJDOT may establish a competitive range and enter into negotiations with one (1) Bidder or multiple Bidders within this competitive range. The primary purpose of negotiations is to maximize the State's ability to obtain the best value based on the mandatory requirements, evaluation criteria, and cost. Multiple rounds of negotiations may be conducted with one (1) Bidder or multiple Bidders. Negotiations will be structured by NJDOT to safeguard information and ensure that all Bidders are treated fairly.

Negotiations will be conducted only in those circumstances where they are deemed by NJDOT to be in the State's best interests and to maximize the State's ability to get the best value. Therefore, the Bidder is advised to submit its best price quote in response to this solicitation since NJDOT may, after evaluation, make an award based on the content of the initial submission, without further negotiation and/or Best and Final Offer (BAFO), with any Bidder.

6.0 Award

- A. Award of this contract will be based upon the lowest responsible bid.
- B. The New Jersey Department of Transportation (NJDOT) reserves the right to reject all bids.
- C. NJDOT reserves the right to award this project in whole, in part or not make an award.
- D. Awarded Contractors, along with their proposal amount will be posted on the NJDOT, Equipment Materials & Supplies, Awarded Projects' webpage.
- E. Award of this contract shall not be interpreted to mean approval to proceed until an authorized purchase order is issued to the contractor.

7.0 Additional Notices & Requirements

A) DIANE B. ALLEN EQUAL PAY ACT

Pursuant to N.J.S.A. 34:11-56.14(b), any employer, regardless of the location of the employer, who enters into a contract with a public body to perform any public work for the public body shall provide to the Commissioner of the New Jersey Department of Labor and Workforce Development, through certified payroll records required pursuant to P.L.1963, c.150 (C.34:11-56.25 et seq.), information regarding the gender, race, job title, occupational category, and rate of total compensation of every employee of the employer employed in the State in connection with the contract. The employer shall provide the commissioner, throughout the duration of the contract or contracts, with an update to the information whenever payroll records are required to be submitted pursuant to P.L.1963, c.150 (C.34:11-56.25 et seq.).

Information regarding the Diane B. Allen Equal Pay Act and its requirements may be obtained from the New Jersey Department of Labor and Workforce Development (LWD) web site at: <https://nj.gov/labor/equalpay/equalpay.html>

LWD forms may be obtained from the online web site at:

https://nj.gov/labor/forms_pdfs/equalpayact/MW-562withoutfein.pdf

- B) NJDOT is required to comply with P.L. 2012, c. 4, which requires all agencies to encourage awarded contractors to notify their employees of organ and tissue donation options.

“Organ and Tissue Donation: As defined in section 2 of P.L. 2012, c. 4 (N.J.S.A. 52:32-33), contractors are encouraged to notify their employees, through information and materials or through an organ and tissue awareness program, of organ donation options. The information provided to employees shall be prepared in collaboration with the organ procurement organizations designated pursuant to 42 U.S.C. §1320b-8 to serve in this State.”

C) ANTI-DISCRIMINATION

All parties to any contract with the State agree not to discriminate in employment and agree to abide by all anti-discrimination laws including those contained within N.J.S.A. 10:2-1 through N.J.S.A. 10:2-4, N.J.S.A. 10:5-1 et seq. and N.J.S.A. 10:5-31 through 10:5-38, and all rules and regulations issued thereunder are hereby incorporated by reference.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time.