

**THE NEW JERSEY TURNPIKE AUTHORITY
PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT**

New Jersey Turnpike Administrative Offices
1 Turnpike Plaza
P.O. Box 5042
Woodbridge, New Jersey 07095-5042
Tel. - 732-750-5300 Ext. 8640

REQUEST FOR BID

TITLE: 4-WHEEL ROTARY BOOM MOWERS

BID NO: R-155304

DUE DATE: FEBRUARY 26, 2020

TIME: 11:30 AM

SUBMIT BIDS BEFORE THE DUE DATE AND TIME STATED ABOVE TO THE ABOVE ADDRESS

BIDDER INFORMATION (PLEASE PRINT)

NAME OF BIDDING ENTITY

ADDRESS

CITY, STATE AND ZIP CODE

E-MAIL ADDRESS

REPRESENTATIVE TO CONTACT-NAME & TITLE

TELEPHONE NO.

FEDERAL TAX I.D. NO. or TAXPAYER I.D. NO.

FAX NO.

SECTION I

A. INTRODUCTION

The New Jersey Turnpike Authority (the “Authority”) was created by an act of the New Jersey Legislature in 1948, known as the New Jersey Turnpike Authority Act (as amended and supplemented, “Act”). The Act authorizes the Authority to construct, maintain, repair, and operate the New Jersey Turnpike, to collect tolls, and to issue Turnpike Revenue Bonds or Notes, subject to the approval of the Governor, payable from tolls and other revenues of the Authority. On May 27, 2003, the Act was amended to empower the Turnpike to assume all powers, rights, obligations and duties of the New Jersey Highway Authority (the “Highway Authority”), which owned and operated the Garden State Parkway and PNC Bank Arts Center. On July 9, 2003, the Authority assumed all powers, rights, obligations and duties of the Highway Authority. The Authority currently operates both the Garden State Parkway (“GSP”) and the New Jersey Turnpike (“Turnpike”) (both roads are collectively referred to herein as the (“Roadways”).

The Authority is governed by an eight-member Board of Commissioners (“Board”). The Governor of New Jersey appoints each of its members and has the statutory authority to overturn an action of the Board by vetoing any Board action within 10 days of receiving the minutes of the meeting. The Board authorizes awards of all public contracts over \$100,000, except in cases where it has delegated authority to the Executive Director.

This bid solicitation is being conducted pursuant to the Authority’s enabling statute as found in *N.J.S.A. 27:23-6.1* and Executive Order number 37 (Corzine 2006) and the regulations and policies of the Authority regarding public bid procurement.

BIDDER GUIDELINES/CHECKLIST

BIDS THAT FAIL TO CONFORM TO THE FOLLOWING REQUIREMENTS MAY BE REJECTED:

1. The Request for Bid (“RFB”), including specifications and related bid documents (“Bids”) must be received at or before the due date and time stated on the cover page at the following place: New Jersey Turnpike Authority, Administration Building, 1 Turnpike Plaza, Woodbridge, New Jersey 07095. **LATE BIDS WILL BE RETURNED UNOPENED. ELECTRONIC, EMAILED OR FACSIMILE BIDS WILL NOT BE ACCEPTED.** A public Bid Opening will take place at the New Jersey Turnpike Authority, Administration Building, 1 Turnpike Plaza, Woodbridge, New Jersey 07095.
2. **The entity submitting a Bid (“Bidder”) must provide one original and one copy of the Bid.** The Bid must include all price information. Bid prices shall include delivery of all items F.O.B. destination or as otherwise provided. Price quotes must be firm through issuance of contract.
3. All Bid prices must be typed or written in ink. Quote the specified unit of measure. If bidding an alternate, provide detailed specifications on the exception form attached.
4. All corrections, white-outs, erasures, re-striking of type, or other forms of alteration or the appearance of alteration, to unit and/or total prices must be initialed in ink by the Bidder.
5. **IF CHECKED, THIS RFB REQUIRES THE FOLLOWING MANDATORY DOCUMENT(S) BE SUBMITTED WITH THE BID. FAILURE TO COMPLY WILL RESULT IN REJECTION OF THE BID.**
 - (a) Bid Bond, Letter of Surety or a Cashier’s Check for 10% of the amount Bid
 - (b) Ownership Disclosure Statement
 - (c) Disclosure of Investment Activities in Iran
 - (d) Vendor Disclosure Form
6. **TO FACILITATE THE CONTRACT AWARD PROCESS, THE FOLLOWING DOCUMENTS SHOULD BE SUBMITTED WITH THE BID. IN THE EVENT THE DOCUMENTS ARE NOT SUBMITTED WITH THE BID, THEY SHALL BE SUBMITTED WITHIN THREE (3) BUSINESS DAYS FOLLOWING A VERBAL OR WRITTEN REQUEST FROM THE AUTHORITY.**
 - (a) Certification of Registration with the Secretary of State (only if non-NJ corporation)
 - (b) Acknowledgement of requirement for Disclosure of Political Contributions (ELEC)
 - (c) SBE/WBE/MBE Certificates and Form
 - (d) Bidder must sign the Bid
7. **SEE THE AUTHORITY’S INSTRUCTION TO BIDDERS (ATTACHED) FOR A COMPLETE LIST OF THE AUTHORITY’S STANDARD CONTRACT TERMS AND CONDITIONS, AS WELL AS OTHER FORMS THAT ARE REQUIRED PRIOR TO THE AWARD OF THE CONTRACT(S). THE RECOMMENDED LOW BIDDER(S) MUST SUBMIT THE FOLLOWING CHECKED DOCUMENTS PRIOR TO CONTRACT AWARD.**
 - (a) Mandatory Equal Employment Opportunity Language
 - (b) Affirmative Action Information Sheet with Certificate or Form AA302
 - (c) State Contractor Political Contributions Compliance Public Law 2005, Chapter 51 & EO 11
 - (d) Notice to All Bidders of Set-Off for State Tax
 - (e) Insurance Certificate
 - (f) State of New Jersey Division of Business Registration Certificate

SECTION II

A. INTENTION

1. **Sealed Bids (Paper Submission Only) for R-155304** must be received at the New Jersey Turnpike Authority Administrative Offices, 1 Turnpike Plaza, Woodbridge, New Jersey 07095-5042, by the due date and time stated on the cover page of this “RFB” at which time and place said Bid will be opened and read in public.
2. Bidders mailing Bids should allow for their normal mail delivery time to ensure timely receipt of the Public Bids. **Please be advised that using an overnight/next-day delivery service does not guarantee overnight/next-day deliveries to our location. The Authority will not be responsible for any Bid not being received by the required date and time.**
3. **It is the intention of the Authority to issue a Purchase Order for the procurement of TWO (2) ROTARY BOOM MOWERS.**
4. Items purchased under this contract will be delivered as directed by the Authority.
5. Please contact Richard Bava with any questions regarding this procurement at 732-750-5300 X-8636 or bava@njta.com.

B. BID SHEET INSTRUCTIONS

1. Bidders must follow all instructions in this RFB and in the Instructions to Bidders issued by the Authority, and any other documents issued by the Authority regarding this RFB (collectively, “Bid Documents”).
2. Bidders must examine the bid documents carefully before bidding and must ask the Director of Procurement and Materials Management Department (“PMM”) in writing for any interpretation or correction of any apparent ambiguity, inconsistency or apparent error therein. If necessary, an interpretation or correction to the specifications in the form of an addendum shall be issued at least three (3) days prior to the bid opening by the Director of PMM to Bidders who have obtained the Bid Documents in accordance with *N.J.A.C. 19:9-2.2(a)(3)*. **Requests for interpretation or correction shall be considered only if received at least 5 business days prior to the Bid opening date.**
3. The submission of the Bid is conclusive evidence that the Bidder is fully aware of the conditions, requirements, and details as stated in the Bid Documents. If the Bidder, prior to submitting its Bid, fails to notify the Director of PMM of the existence of an ambiguity or inconsistency in the Bid Documents, a Bid will conclusively be presumed to have been based upon the Authority’s interpretation of such ambiguity or inconsistency.

- 4 All erasures, interpolations or other physical changes on the Bid form shall be signed or initialed by the Bidder. Bids containing any conditions, omissions, erasure's, alterations, or items not called for in this "RFB" or irregularities of any kind, may be rejected by the Authority, in its sole discretion.
- 5 The Bidder shall not attach conditions, limitations or provisos to its Bid.
- 6 **The Authority will accept Approved Equivalent items on this Bid.** If a Bidder is basing the RFB on items other than what is specified, and wishes the items proposed to be considered as an "Approved Equivalent", the Bidder shall enter a price on the Bid sheet then submit on the Exception Form in the exact format of the line item on the RFB contained herein, the item number, an item description including manufacturers name, model number, informational brochure(s), and packaging quantities of those items that the Bidder proposes to substitute.

C. BASIS OF AWARD

1. Bidders must supply a price for every item listed. **Bids not having a price for all listed items may be rejected.**
2. Bidders must quote only one price per line item. **If a Bidder quotes multiple prices per line item, the Bid may be rejected.**
3. The Authority will purchase amounts of any given item as needed, at the sole discretion of the Authority and shall not be bound by any quantities listed. The Authority reserves the right to make reasonable increases to line item quantities.
4. All items are to be Bid FOB Destination. All shipping, handling, and other costs should be considered in the Bid price(s).
5. The Authority is tax exempt from New Jersey Sales and Excise Tax.
6. Award will be made to the lowest responsible and responsive bidder for the total line items Bid.

D. MISCELLANEOUS

1. **ELECTRONIC PAYMENT: The Vendor will be required to accept payment(s) for goods or services via automatic deposit from the Authority. NO OTHER FORM OF PAYMENT WILL BE PROVIDED. See Exhibit M in the Instructions to Bidders on the Authority's website for the required electronic payment forms: <http://www.njta.com/doing-business/goods-and-services>**

BID QUOTATION SHEET

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL BID AMOUNT
1	2	EA	ROTARY BOOM MOWERS, AS PER ATTACHED SPECIFICATIONS	\$	\$

Number of days, after receipt of a Purchase Order, that all vehicles or equipment will be delivered to the Authority, fully completed and compliant with the Specifications:

DAYS

Award will be made to the lowest responsive and responsible bidder for the Total Bid Amount.

**ANY INQUIRIES CONCERNING THIS BID MUST BE SENT VIA EMAIL TO:
bava@njta.com**

PURSUANT TO N.J.A.C. 19:9-2.2 (a)(3), ADDENDA WILL BE DISTRIBUTED AND POSTED ON THE AUTHORITY'S WEBSITE AT LEAST THREE DAYS PRIOR TO THE BID OPENING.

NEW JERSEY TURNPIKE AUTHORITY

Very truly yours,

**Dale Barnfield, Acting Director
Procurement and Materials Management**

_____/_____
Name of Company / Authorized Signature of Bidder

E. SIGNATURE PAGE

1. **ADDENDA / INQUIRIES:** COMPLETE (if applicable) BEFORE SUBMITTING

BID:

Receipt of Addendum / Inquiries # _____ dated _____ is hereby acknowledged.

Receipt of Addendum / Inquiries # _____ dated _____ is hereby acknowledged.

CHECK BOX IF NO ADDENDA/INQUIRY ISSUED

(All Addenda / Inquiries must be acknowledged as indicated above.)

2. **BID IRREVOCABLE:** This offer shall be irrevocable for ninety (90) working days after the date on which the Authority publicly opens this Bid except in those instances where an unsuccessful Bidder has filed a bid protest pursuant to *N.J.A.C. 19:9-2.12*. Upon notification of a protest, Bidders are required to hold their prices for an additional 90 days. All Bidders will be notified in writing of the action taken by the Authority.

3. **OFFER/CERTIFICATION:** The undersigned offers and agrees to furnish to the New Jersey Turnpike Authority the services and/or materials in compliance with all terms, conditions, specifications and addenda of the RFB, Bid Documents, and resulting contract. The undersigned further certifies understanding and compliance with the requirements of the standard terms and conditions as stated in the Instructions to Bidders included with the Bid Documents. The undersigned certifies that he or she executes this Bid with full authority so to do; and that all statements contained in this Bid and in this certification, are true and correct, and made with full knowledge that the Authority relies upon the truth of the statements contained herein and in any statements requested by the Authority showing evidence of qualifications in awarding the contract.

I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

4. **AUTHORIZED SIGNATURE:** _____

Print Name and Title: _____

Bidder: _____

Address: _____

City, State, Zip: _____

E-mail address: _____

Telephone #: _____ Fax: # _____

Date: _____

ADDITIONAL YEARS PURCHASING OPTION

BID TITLE: ROTARY BOOM MOWERS

BID NUMBER: R-155304

3 - Year Open End Option: The Authority shall have the option for one (1) Model Year* from the date of Contract, to order additional units conforming to the requirements of these specifications at the same price and under the same terms and conditions as those contained herein.

The Authority shall further have the option to purchase additional units conforming to these specifications for two (2) additional Model Years. Any unit(s) offered during the two (2) subsequent Model Years shall be of the model equivalent to that specified herein. In the latter instances, if there have been any price changes, the vendor shall submit a request to the Authority covering the aforesaid price changes, and shall include appropriate explanation and justification for any such price changes.

Any such request for price adjustment shall be in writing and directed to the Director, Procurement and Materials Management Department and shall be accompanied by the following evidence as a basis for your request;

1. The published price lists for equipment, which were in effect at the time of your original proposal.
2. The equivalent published price lists in effect at the time of your request.
3. Any additional evidence which the Authority deems necessary in the evaluation of your request.

The Authority shall, within its sole discretion, have the right to accept the price changes proposed by the vendor or if it so desires, re-bid the requirement.

*Model Year is defined as the Model Year of the Manufacturer of the unit(s) offered by you in this Request for Quotation. In that instance where proposals are for equipment for which "Model Year" and "Production Cut-Off Dates" are undefined or non-existent, the "Model Year" is defined, for bid purposes, as one calendar year from the date on which the Contract is accepted. The last date on which orders may be placed for the Model currently in effect is _____.

Name of Company and / Authorized Signature of Bidder

SECTION III

NO RESPONSE BID SURVEY

BID REQUISITION NUMBER: R-155304

BID TITLE: ROTARY BOOM MOWERS

If you do not choose to respond to this Bid, please complete this form and email to Richard Bava at: bava@njta.com

Name of Company_____

Reason you did not respond (Check all that apply)

- _____ Cannot supply product or service
- _____ Cannot meet technical specifications
- _____ Cannot meet delivery specifications
- _____ Cannot meet legal requirements
(i.e. Bid/performance/security/insurance, etc.)
- _____ Cannot provide a competitive price now
- _____ Interested in receiving specifications for informational purposes only
- _____ Insufficient lead time to respond
- _____ Other:(please be specific)

Do you wish to remain on our mailing list?

_____Yes _____No

Additional comments: _____

Signed :(optional)_____

Company:_____

NEW JERSEY TURNPIKE AUTHORITY
GENERAL INSTRUCTIONS AND SPECIFICATIONS FOR:

QUANTITY: 2

DESCRIPTION: 4-WHEEL ROTARY BOOM MOWER AND ATTACHMENTS

SPECIFICATIONS: WRBM-2020

COMPLIANCE WITH RULES AND REGULATIONS: The unit and associated equipment furnished must comply with all Federal and State Motor Vehicle Safety Laws and Regulations and shall be capable of passing the New Jersey State Motor Vehicle Inspection Laws, where applicable.

ENERGY STAR REQUIREMENTS: If applicable for items specified in the bid package, the vendor must provide products that earn Energy Star Certification and meet the Energy Star specifications for energy efficiency. The vendor is encouraged to visit energystar.gov for complete product specifications and updated lists of qualifying products. The Energy Star label must also be affixed to each delivered item. The bidder's signature on the signature page certifies that items so indicated that have earned Energy Star and meet the Energy Star specifications or other standards for energy efficiency will be supplied.

ERRORS AND OMISSIONS: Inadvertent omissions or errors in the attached specifications must be brought to the attention of the New Jersey Turnpike Authority's Director of Procurement and Materials Management at 732-750-5300 before bid submission date. If, with knowledge of such error or omission and prior to the correction thereof, the bidder proceeds with any work affected hereby, they shall do so at their own risk and the work so done shall not be considered as work done under and in performance of this Agreement unless and until approved and accepted.

DELIVERY DATE: All bidders **must** list on their "Bid Quotation Sheet" in the space specified the number of days (e.g. 120, 150, 180, etc. after receipt of purchase order) that all vehicles or equipment will be delivered to the Authority fully completed and fully compliant with the specifications. A **specific** number of days **must** be listed. Under **no** circumstances shall bidders give approximate dates or ranges of dates to deliver such as: 210 days to 240 days. **FAILURE TO FOLLOW THESE GUIDELINES MAY RESULT IN REJECTION OF BID.**

CONFIRMATION OF ORDER: Once the Vendor receives the purchase order via email from the Authority's representative, the Vendor shall have a maximum of thirty (30) days to verify in writing to the Authority that the vehicles or equipment have been placed on order with the manufacturer of said vehicle (s) or equipment.

FAILURE TO FOLLOW THESE GUIDELINES MAY RESULT IN REJECTION OF PURCHASE ORDER AND AWARD TO THE NEXT LOWEST RESPONSIBLE BIDDER.

DELIVERY INSTRUCTIONS:

Vendor must contact Peter Perperas (Project Supervisor) at 732-750-5300 ext. 8647 for authorization to schedule date and time prior to delivery. Deliveries shall be made to:

**New Jersey Turnpike Authority
District 4 Maintenance Facility
Exit 8 NJ Turnpike and Route 33
Hightstown, NJ 08520**

- A. Vendor shall be responsible for all delivery, shipping and pick-up expenses.
- B. All units must be pre-delivery serviced, completely assembled, operational, and cleaned prior to Authority delivery.
- C. The following administrative package **must** accompany all deliveries:
 - **Certificate of Origin:** All New Jersey Manufacturers, Dealers, and/or Distributors **must** stamp the C.O. "Sales Tax Satisfied". The C.O. shall be made out to New Jersey Turnpike Authority, P.O. Box 5042, Woodbridge, NJ 07095. Certificate of Origin shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
 - **Out of Country Certificates of Origin shall not be acceptable. Awarded vendors outside the United States must use their United States Distributor to fill out Certificates of Origin. NO EXCEPTIONS**
 - **Invoice:** purchase order number must be displayed on vendors invoice. Invoice shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
 - Warranty forms properly executed.
 - Four (4) keys for each vehicle shall be furnished. **NO EXCEPTIONS**
 - Four (4) keys, keyed alike for toolboxes or similar compartments shall be furnished for each vehicle. **NO EXCEPTIONS**
 - It shall be the responsibility of the awarded vendor that all tolls, when applicable be paid when making delivery to the Authority.

- Delivery of all units fully completed and fully compliant shall be made no later than two-hundred forty (240) days after receipt of Purchase Order.

D. All units shall be delivered with a minimum of a half tank of fuel.

E. **Deliveries made directly to the Authority from the manufacturer shall not be acceptable, unless manufacturer is awarded bidder.**

F. In the event the awarded bidder contracts a trucking/delivery company to deliver units, a representative from the awarded bidders company must be at the delivery site at time of delivery to the Authority. **NO EXCEPTIONS**

WARRANTY: All units delivered must be guaranteed to be free from defects in materials, design and workmanship for a minimum of one (1) year and shall start from the time of written acceptance by the New Jersey Turnpike Authority. Warranty must include service availability from any manufacturers authorized dealer establishment most closely located to Parkway and Turnpike area. This repair facility may not be further than 100 miles from District 5 Telegraph Hill Central Maintenance Facility in Holmdel, NJ 07733 or District 4 Maintenance Facility located in Hightstown, NJ 08520. If warranty service is required, the vendor who supplied the unit shall provide for pickup, delivery and repair of unit at no charge to the New Jersey Turnpike Authority. All warranty periods shall start from date of written acceptance of the unit by the New Jersey Turnpike Authority.

EXCEPTION SHEET: Exception sheet is furnished with each set of specifications. Bidders making exceptions must note exceptions by item and indicate substitution in lieu and submit with bid, detailed specifications on the substitution. If the vendor is submitting an alternate product, component, feature or part to what is referenced in the specifications, the proposals **must** be accompanied by descriptive literature, marked and indicate the exact items to be furnished, with an engineering drawing of the same. **Failure to supply information requested may result in rejection of bid.** Where no exception is taken; the word "None" shall be neatly printed or typed on the exception sheet. **Failure to supply information and/or failure to complete the bidder's exception spaces in the prescribed manner may disqualify bid. It shall be understood that if no exception is taken, the vendor shall supply all material exactly as specified. No substitution will be permitted after receipt of bids.**

APPROVED EQUIVALENT: A bid substitution for a specified item brand and/or model that meets the required quality and performance standards of the original brand; substitutions will be determined to be an approved equivalent by the New Jersey Turnpike Authority.

UNIT INFORMATION FORM: Vendor shall complete the entire Unit Information Form. **Failure to complete form may result in rejection of bid.**

MANUFACTURER’S PRODUCTION SHEET: The vendor shall furnish one (1) copy of the actual Factory Production Sheet for each unit provided. The copies of the Factory Production Sheet shall be submitted at the time of the Authority’s inspection of the unit.

TRAINING: It shall be the responsibility of the successful bidder to supply all safety, operational and service training to New Jersey Turnpike Authority personnel in accordance with all applicable ANSI and OSHA regulations. The safety and operational training shall consist of a complete review and understanding of the manufacturer’s owner manual, along with actual operation of equipment. The instructor shall emphasize all proper uses for safe operation. The training shall include but not limited to all general troubleshooting of the hydraulic system and associated electronics. The instructor shall also emphasize the proper use of tools and test equipment along with general shop safety. The service seminars shall be similar to factory and manufacture type schools. The training shall be scheduled and take place at one (1) site, approximately (4) hours designated by the New Jersey Turnpike Authority.

LABELS: Plastic stick-on labels shall not be acceptable.

ADVERTISEMENTS: No **Dealer** advertisements shall appear on unit or any other related equipment.

NOTICE TO BIDDERS: Bidders shall **not** be allowed to use vehicles/equipment in any type of shows, conventions, brochures, etc. without prior written consent of the New Jersey Turnpike Authority. **NO EXCEPTIONS**

ACCESSORIES: All accessories shall be manufacturer installed when the item is available from the manufacturer.

FACILITIES: Bidders shall represent a manufacturer, which has in operation a factory adequate for the manufacture of the equipment, which it proposes to furnish. The manufacture(s) whose associated equipment or products are bid shall have a full-service warranty and parts supply facility that can guarantee availability of parts within 24 hours after telephone order and shall be located within a 100-mile radius of either District 4 Maintenance Facility (exit 8 on the NJ Turnpike) located in Hightstown, NJ 08520 or Telegraph Hill Central Maintenance Facility (exit 116 on the GSP) located in Holmdel, NJ 07733. The bidder shall submit the locations, names and telephone numbers of people who are authorized to service the equipment or who can be reached for emergency service.

Location _____

Phone # _____

Contact _____

Name & Title

**SPECIFICATIONS: WRBM-2020
4-WHEEL ROTARY BOOM MOWER**

INTENT: The intent of this specification is to describe and govern the purchase of a 2020 or new current model 4-wheel rotary boom mower and attachments designed with 4-wheel drive, 4-wheel steering, and 3-steering modes. The unit shall be a MowerMax or Authority approved equivalent 4-wheel rotary boom mower. The complete unit shall be new and of the latest design and be in current production at the time of the submission of bid. All standard and optional equipment shall be Original Equipment Manufacturer (OEM) items, when available. **NO EXCEPTIONS**

BIDDER’S INSTRUCTIONS

IT SHALL BE THE BIDDER’S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED “APPROVED EQUIVALENTS” MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED “APPROVED EQUIVALENTS” MAY CAUSE REJECTION OF BID. WHERE “MINIMUM/MAXIMUM” IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.

	COMPLY	
	YES	NO
GENERAL:		
A. 2020 or new current model 4-wheel rotary boom mower and attachments designed with 4-wheel drive, 4-wheel steering, and 3-steering modes.		
B. The unit shall be a MowerMax or Authority approved equivalent 4-wheel rotary boom mower.		
C. The complete unit shall be new and of the latest design and be in current production at the time of the submission of bid.		
D. All standard and optional equipment shall be Original Equipment Manufacturer (OEM) items, when available. NO EXCEPTIONS		
E. Bidders must submit with their bid, detailed specifications, and pictures of their complete unit being bid. NO EXCEPTIONS		
DIMENSIONS:		
A. Weight (no attachments): 12,000 lbs.		
B. Max height: 110".		
C. Max width: 100" (with boom mower).		
D. Max length: 200" (no attachments).		
E. Ground clearance: 18".		

	COMPLY	
	YES	NO
F. Max weight: 19,500 lbs. (with attachments).		
G. Speeds: <ul style="list-style-type: none"> • Travel mode: 0-25 mph • Work mode: 0-6 mph 		
H. Unit shall have an automatic disengage disconnect from 4-wheel drive prior to transporting in the event the operator forgets to disconnect it.		
MAIN FRAME:		
A. Rigid frame with ¾" steel plates, 42" wide x 172" long with 1" cross members for attaching counter weight and side mounted cutters.		
B. Fuel tank: 48-gallon fuel tank shall be surrounded by the frame.		
ENGINE:		
A. Ford V-10 or Authority approved equivalent gasoline engine.		
B. 220 horsepower @ 2,600 rpms.		
C. Engine monitoring: console mounted electronic screen display for the following functions: <ul style="list-style-type: none"> • Engine rpm's • Engine coolant temperature • Voltage • Oil pressure • Fuel quantity • Fuel filter condition • Groundspeed • Rear axle centering sensor • Cutter hydraulic pressure • Joystick function 		
AXLES:		
A. Two (2) steerable drive axles, each rated at 22,480lbs. dynamic ft./lbs.		
B. Front axle shall be rigid mounted and rear shall be pivoted.		
C. Hydraulic cylinders on each side of rear axles shall be stabilized by an operator joystick.		
STEERING:		
A. Front, both, and crab operator selectable with rear axle centering sensors.		
TIRES:		
A. 13.00 x 24 G3/L3 tread, 12-ply mounted on 9 x 24 offset wheels.		
HYDRAULIC TANK:		
A. Baffled 78-gallon, 7-gauge steel tank with 30-horsepower oil cooler, sight gauge for temperature and two (2) filters.		
HYDRAULIC DRIVE:		
A. Hydrostatic drive system.		
CUTTER DRIVE PUMPS:		

	COMPLY	
	YES	NO
A. Two-stage 35-gpm @ 3,000 psi open center gear type.		
CUTTER MANIFOLD:		
A. Two (2) electronic on/off with blade braking and with operator console pressure monitoring.		
ATTACHMENT CONTROLS:		
A. Six (6) function electronic joystick for side mounted cutter.		
CAB:		
A. Insulated operator cab protected under certified ROPS.		
B. Heat and air conditioning and independent fresh air fans.		
C. Operator's seat: swivel type with adjustable arm rests.		
D. Windows: <ul style="list-style-type: none"> • Right side window: 3/8" thick abrasion resistant polycarbonate. • Rear, left rear side, left entrance door: 1/4" thick abrasion resistant polycarbonate. • Windshield: 1/4" thick auto safety glass. • Both left and right exterior side windows shall have protective cages for operator protection. 		
E. 2-speed windshield wipers with washers.		
F. Am/fm stereo, blue tooth, GPS.		
G. Provide in cab D.O.T. approved safety reflector kit.		
H. Provide in cab 2½ lb. dry chemical "UL" listed fire extinguisher suitable for ABC class fires.		
LIGHTING/REFLECTORS:		
A. Two (2) 45-watt LED forward facing work lights and one (1) 45-watt rear facing work light.		
B. LED stop and turn signals.		
C. Warning light: <ul style="list-style-type: none"> • One (1) SAE Class I Certified Whelen Model R416AF R316AF Rota-Beam low profile LED or approved equivalent rotating amber warning beacon. A flip-down bracket shall be used for rotator light allowing light to fold down below top of cab. <u>Note:</u> A rocker type backlit switch shall be installed in cab for operating the light. 		
D. Lights and reflectors shall comply with New Jersey State D.O.T. Regulations.		
BOOM MOWER:		
A. Reach-out from centerline: 24'.		
B. Reach-up: 23'.		
CUTTERHEAD:		
A. 60" cut ax head with 1¼" thick T-1 steel two-position blade holders.		
B. Blades shall be 5/8" x 5" double edge.		
C. Replaceable 3/8" x 2½" T-1 steel full length skids.		

	COMPLY	
	YES	NO
D. Operator controlled hydraulic deck door.		
E. 90° deck swivel to allow legal transport of 100" total width.		
F. Deck shall be made of 10-gauge A606 steel reinforced with ½" sides.		
G. Operating rpm's: 1,250 rpm's.		
H. Direct drive spindle: <ul style="list-style-type: none"> • Heat treated 4140 tool steel. • 7.5" o.d. • 2⁵/₈" i.d. top bearing. • 3⁵/₈" i.d. bottom bearing. 		
BOOM CYLINDERS:		
A. Main boom: 5 x 24 all welded 3,000 psi rated.		
B. Outer boom: 4 x 20 all welded 3,000 psi rated.		
C. Deck shall be 3 x 18 all welded 3,000 psi rated.		
MAIN BOOM:		
A. 8 x 6 x ¼ wall steel tube with ½" thick T-1 steel attachment points.		
OUTER BOOM:		
A. 6 x 8 x ¼ wall steel tube with ½" thick T-1 steel attachment points.		
SWIVEL:		
A. Hydraulic helical actuator.		
B. 180° of total travel with 90° rearward and 90° forward.		
PAINT:		
A. DuPont Dulux Omaha Orange Enamel # 93-082 or Authority approved equivalent.		
B. Paint shall be applied in a two-step process with the orange base coat and additional polyurethane overcoat.		
MANUALS:		
A. The following manuals shall be supplied at time of delivery for each unit ordered: <ul style="list-style-type: none"> • Operating: 2 • Repair: 1 • Maintenance: 1 • Parts: 1 		

FAILURE TO COMPLETE ALL AREAS MAY RESULT IN REJECTION OF BID

UNIT INFORMATION FORM

(Must be submitted by vendor with bid documents)

BOOM MOWER:

YEAR: _____ MAKE: _____ MODEL: _____

ENGINE MAKE: _____

MODEL: _____ HP: _____ @ _____ RPM

FUEL TANK CAPACITY: _____ GALLONS

HYDRAULIC TANK CAPACITY: _____ GALLONS

WEIGHT: _____ LBS. (NO ATTACHMENTS)

HEIGHT: _____

LENGTH: _____

WIDTH: _____

TIRE SIZES FRONT/REAR: _____

SERVICING AGENCY: _____

ADDRESS: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

CUTTER HEAD:

YEAR: _____ MAKE: _____ MODEL: _____

SIZE: _____ THICKNESS: _____

INSTALLER: _____

SERVICING AGENCY: _____

ADDRESS: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

(1) WARNING LIGHT: (CAB-MOUNTED)

YEAR: _____ MAKE: _____ MODEL: _____

INSTALLER: _____

SERVICING AGENCY: _____

ADDRESS: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

