



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
800 BAY ROAD
P.O. BOX 778
DOVER, DELAWARE 19903

JENNIFER COHAN
SECRETARY

VIA WEBSITE POSTING

June 25, 2020

Contract No. DOT2004-TRACTOR_MOWER
Tractors and Mowers
Statewide

Ladies and Gentlemen:

Enclosed is Addendum No. 1 for the referenced contract consisting of the following:

1. The Bid Proposal Cover, revised, to be substituted for the same page in the Proposal.
2. Revised Specification A, page 27, Number 2 title to read Tractor Specifications
3. Revised Specification B, page 34, Number 2.1 changed Four to Two
4. Revised Specification B, page 35, Number 2.19 changed 440/80R24 R4 Nokian Tri2 Radials to 11L X16
5. Revised Attachment E2, page 74, added item number 26B

Please note the revisions listed above and submit your bid based upon this information.

Sincerely,

~signature on file~

Crystal Smith

Contracts Coordinator

Delaware Department of Transportation



DELAWARE DEPARTMENT OF TRANSPORTATION

State of Delaware

Request for Proposal

Title: **TRACTOR/MOWER**

Contract ID: **DOT2004-TRACTOR_MOWER**

- *Deadline to Respond* -

Tuesday, July 7, 2020

PRIOR TO 2:00 P.M. Local Time

Responses to be received at:



State of Delaware
DEPARTMENT OF TRANSPORTATION
Administration Building
Contract Administration
800 Bay Road, Dover, DE 19901



QUESTIONS are to be submitted via e-mail to dot-ask@state.de.us.

Responses to Questions will be posted to this project at <http://www.bids.delaware.gov>.

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- 1.16 Lighting shall be 2 cab mounted headlights and 2 hood mounted headlights facing forward and 2 cab mounted work lights facing the rear of the tractor. The tractor shall be equipped with turn signals, warning flashers and brake lights. The unit shall also have a MINI LIGHT BAR with branch guard securely mounted on the roof of the cab. Acceptable lights are the Whelen or approved equal. The MINI LIGHT BAR SHALL be wired directly to the tractor, so light is on when tractor key is on. Tractor shall also be provided with a license tag bracket and tag light to be mounted on the left side of the cab visible at all times.
- 1.17 The rear window of the cab shall have a rear wiper with wash capability.
- 1.18 Tires shall be 440/80R24 R4 Nokian Tri2 Radials on the front and 480/80R38 R4 Nokian Tri2 Radials for the rear Department approval for standard tires offered by manufacturer.
- 1.19 CAT III 3-point hitch.
- 1.20 Tractor provided shall be supplied in the standard manufacturers color and as a minimum, the paint film shall be 4 mils thick including the primer coat.

2. ~~22 FT. ARTICULATED HYDRAULIC BOOM ARM SPECIFICATION~~

TRACTOR SPECIFICATIONS

- 2.1 It is the intent and purpose of these specifications to describe a Four wheel drive (4WD) 130 Engine/102 PTO HP TRACTOR WITH ENCLOSED CAB WITH A RIGHT-SIDE MOUNTED, HYDRAULIC POWERED 22 OR 25 FOOT REACH BOOM MOWER for roadside maintenance in sufficient detail to secure bids on comparable equipment. All parts not specifically mentioned which are necessary to provide a complete specification shall be included in the bid and shall conform to strength; quality of material and workmanship to what is usually provided in general for above noted need.
- 2.2 In addition, the units shall comply with all applicable Federal, State and Local Standards inclusive of all OSHA and D.O.T. Safety and Health Regulations.
- 2.3 The units must be factory mounted at awarded mower manufacturer's facility. No dealer-mounted equipment will be accepted without tractor manufacturer's supervision and approval. All units must be delivered with a certificate of proof of factory mounting.
- 2.4 102 SAE P.T.O. Horsepower minimum.
- 2.5 After-Treatment System with Corner Post Exhaust.
- 2.6 Factory installed Cab premium plus LH and RH traditional door, fully enclosed, fully Air Conditioned, Heat, and AM/FM Radio. The cab instrument panel (Dash) shall contain as a minimum an Electronic Fuel Gauge, Engine Hour Meter, Oil Pressure Gauge, Temperature Gauge, Ammeter or Voltmeter and an Engine Tachometer. NOTE: Warning lights in lieu of gauges will be accepted. Operating side or passenger side windows of the tractor shall be Lexan or polycarbonate equivalent factory installed.
- 2.7 MFWD front axles Heavy-Duty for model quoted with Heavy Duty 6-Bolt front wheel hubs as a minimum.
- 2.8 51 Gal (195 L) Fuel Tank Capacity minimum.
- 2.9 16 x 16 transmission with LH power reverser.

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- 1.12 4 cylinder turbo charged engine with Final Tier 4 Approved Emissions.
- 1.13 Air suspension seat.
- 1.14 Steering shall be power assist or hydrostatic.
- 1.15 Lighting shall be 2 cab mounted headlights and 2 hood mounted headlights facing forward and 2 cab mounted work lights facing the rear of the tractor. The tractor shall be equipped with turn signals, warning flashers and brake lights. The unit shall also have a MINI LIGHT BAR with branch guard securely mounted on the roof of the cab. Acceptable lights are the Whelen or approved equal. The MINI light BAR SHALL be wired directly to the tractor so light is on when tractor key is on. Tractor shall also be provided with a license tag bracket and tag light to be mounted on the left side of the cab visible at all times.
- 1.16 The rear window of the cab shall have a rear wiper with wash capability.
- 1.17 Tire size shall be 11L - 15F2, 8PR on the front and 18.4X30 R1 for the rear.
- 1.18 CAT I/II 3-point hitch.
- 1.19 Tractor Hydraulics: OCFD- Tandem Gear Pump 24.7 GPM @ 2100 RPM.
- 1.20 90 amp alternator minimum with single 925 CCA battery.
- 1.21 35 Gallon fuel tank minimum.
- 1.22 Tractor provided shall be supplied in the standard manufacturers color and as a minimum the paint film shall be 4 mils thick including the primer coat.
- 1.23 Operating side or passenger side windows of the tractor shall be Lexan or polycarbonate equivalent factory-installed.

2 TRACTOR SPECIFICATION – 2 WD Engine HP 110/86 HP PTO

- 2.1 It is the intent and purpose of these specifications to describe a ~~Four~~ **Two** wheel drive (4 **2** WD) 110 Engine/86 PTO HP TRACTOR WITH ENCLOSED CAB WITH A RIGHT OR LEFT-SIDE MOUNTED FLAIL MOWER AND A REAR FLAIL MOWER for roadside maintenance in sufficient detail to secure bids on comparable equipment. All parts not specifically mentioned which are necessary to provide a complete specification shall be included in the bid and shall conform to strength; quality of material and workmanship to what is usually provided in general for above noted need.
- 2.2 In addition, the units shall comply with all applicable Federal, State and Local Standards inclusive of all OSHA and D.O.T. Safety and Health Regulations.
- 2.3 The units must be factory mounted at awarded mower manufacturer's facility. No dealer-mounted equipment will be accepted without tractor manufacturer's supervision and approval. All units must be delivered with a certificate of proof of factory mounting.
- 2.4 86 SAE P.T.O. Horsepower minimum.
- 2.5 After-Treatment System with Corner Post Exhaust.
- 2.6 Factory installed Cab premium plus LH and RH traditional door, fully enclosed, fully Air Conditioned, Heat, and AM/FM Radio. The cab instrument panel (Dash) shall contain as a minimum an Electronic Fuel Gauge, Engine Hour Meter, Oil Pressure Gauge, Temperature Gauge, Ammeter or Voltmeter and an Engine Tachometer. NOTE: Warnings lights in lieu of gauges will be accepted.

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- 2.7 MFWD front axles Heavy-Duty for model quoted with Heavy Duty 6-Bolt front wheel hubs as a minimum.
 - 2.8 51 Gal (195 L) Fuel Tank Capacity minimum.
 - 2.9 16 x 16 transmission with LH power reverser.
 - 2.10 540/1,000 independent PTO (2-speed).
 - 2.11 Front auxiliary drive (crankshaft pulley without drive shaft).
 - 2.12 Wet Multi-Disk Clutch.
 - 2.13 Flanged rear axle with 8-position steel wheels equipped with Heavy Duty Rear Brakes.
 - 2.14 4 cylinder turbo charged engine with Final Tier 4-Emissions.
 - 2.15 Air suspension seat.
 - 2.16 Steering shall be power assist or hydrostatic.
 - 2.17 Lighting shall be 2 cab mounted headlights and 2 hood mounted headlights facing forward and 2 cab mounted work lights facing the rear of the tractor. The tractor shall be equipped with turn signals, warning flashers and brake lights. The unit shall also have a MINI LIGHT BAR with branch guard securely mounted on the roof of the cab. Acceptable lights are the Whelen or approved equal. The MINI LIGHT BAR SHALL be wired directly to the tractor, so light is on when tractor key is on. Tractor shall also be provided with a license tag bracket and tag light to be mounted on the left side of the cab visible at all times.
 - 2.18 The rear window of the cab shall have a rear wiper with wash capability.
 - 2.19 Tires shall be ~~440/80R24 R4 Nokian Tri2 Radials~~ **11L X16** on the front and 480/80R38 R4 Nokian Tri2 Radials for the rear Department approval for standard tires offered by manufacturer.
 - 2.20 CAT III 3-point hitch.
 - 2.21 Tractor provided shall be supplied in the standard manufacturers color and as a minimum the paint film shall be 4 mils thick including the primer coat.
- 3 RIGHT SIDE MOUNTED FLAIL UNIT**
- 3.1 Mowers shall be 74".
 - 3.2 Mower shall provide cutting height adjustments by adjustment of the roller in increments from ¾" or less to 6".
 - 3.3 The mower shall be constructed to handle mowing roadside grasses from 6" to 2' in height.
 - 3.4 The hydraulic reservoir shall be frame mounted to the front of the tractor. The hydraulic pump shall be crank driven from the front of the tractor and connected to the tractor crankshaft with a NEAPCO driveline or approved equal. The mower hydraulics shall be piston pump. Gear pumps shall not be accepted for this application.
 - 3.5 The mower knives shall be Heavy-Duty, weighing 4 oz. each as a minimum.
 - 3.6 The mower units shall be cooled in frame. No use of external fans shall be accepted.

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22	1	EACH	Rear Flail Mower 96" Manufacturer: _____ Model: _____	\$ _____	\$ _____
23	1	EACH	Rear Flail Mower 112" Manufacturer: _____ Model: _____	\$ _____	\$ _____
24	1	HR	Maintenance and PM (see paragraph 14.2)	\$ _____	\$ _____
TOTAL BID:				\$ _____	\$ _____

OPTIONAL PRICING

ITEM NO.	APPROX QUANTITY	UOM	ITEM DESCRIPTION UNIT PRICE	UNIT PRICE IN \$XXXX.XX	TOTAL PRICE IN \$XXXX.XX
25	1	HR	Rate per student hour (see paragraph 12.1)		
26	1	EACH	Option for pricing for a Four-Wheel Drive (4WD) tractor (see paragraph 13.1)		
26 B	1	EACH	Option for pricing for a Two-Wheel Drive (2WD) tractor (see paragraph 13.1)		
27	1	EACH	Diagnostics software annual cost (if purchased by Department. See paragraph 15.1) Type of System: _____		

ITEM NO.	APPROX QUANTITY	UOM	ITEM DESCRIPTION	ENTER PERCENT
28	1	EA	Percent Markup for other component/parts (See paragraph 14.1)	%