



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
PO BOX 778
DOVER, DELAWARE 19903

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VIA WEBSITE POSTING

(302) 760-2030
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March 2, 2016

Contract No. DOT1605-TRACTOR_MOWER
Tractor/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. Three (3) pages, Technical Specifications, Specification A, B and C, paragraph 1.3, pages 26, 31 and 36, have been revised, to be substituted for the same pages in the Proposal.

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

Sincerely,

signature on file

James H. Hoagland
Contract Services Administrator

:jhh
Enclosure



DELAWARE DEPARTMENT OF TRANSPORTATION

State of Delaware

Invitation to Bid

Title: **TRACTOR/MOWERS**

Contract ID: **DOT1605-TRACTOR_MOWER**

- *Deadline to Respond* -

Tuesday March 15, 2016

2:00 P.M. Local Time

Bids shall be submitted to:



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>.

STATE OF DELAWARE
Department of Transportation
Contract No. DOT1605-TRACTOR_MOWER

Technical Specifications

SPECIFICATION "A"

The following shall indicate minimum requirements, including all components, accessories, and safety features considered standard, as necessary to make a complete operating unit, whether identified herein or not.

1. TRACTOR SPECIFICATION

- 1.1 It is the intent and purpose of these specifications to describe a Four wheel drive (**4WD**) 110 Engine/86 PTO HP TRACTOR WITH ENCLOSED CAB WITH A RIGHT-SIDE MOUNTED, HYDRAULIC POWERED 22 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.
- 1.2 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.
- 1.3 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.~~
- 1.4 86 SAE P.T.O. Horsepower minimum.
- 1.5 Underhood After-Treatment System with Deluxe Corner Post Exhaust.
- 1.6 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. Cab windows shall be the shatter proof glass.
- 1.7 Operating side or passenger side windows of the tractor shall be Lexan or polycarbonate equivalent factory-installed.
- 1.8 MFWD front axles Heavy-Duty for model quoted with Heavy Duty 6-Bolt front wheel hubs as a minimum.
- 1.9 52.8 Gal (200 L) Fuel Tank Capacity minimum.
- 1.10 16 x 16 transmission with LH power reverser and creeper gear.
- 1.11 540/1,000 independent PTO (2-speed).
- 1.12 Front auxiliary drive (crankshaft pulley without drive shaft).
- 1.13 Perma-Clutch II, Wet Multi-Disk Clutch.
- 1.14 Flanged rear axle with 8-position steel wheels equipped with Heavy Duty Rear Brakes.

STATE OF DELAWARE
Department of Transportation
Contract No. DOT1605-TRACTOR_MOWER

SPECIFICATION "B"

The following shall indicate minimum requirements, including all components, accessories, and safety features considered standard, as necessary to make a complete operating unit, whether identified herein or not.

1. TRACTOR SPECIFICATION

- 1.1 It is the intent and purpose of these specifications to describe a 2WD 85 HP ENGINE/70 PTO HP TRACTOR WITH ENCLOSED CAB WITH A RIGHT AND/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.
- 1.2 In addition, the units shall comply with all applicable Federal Standards, including but not limited to the provisions of D.O.T. and Subpart O, Paragraph 1926.601, O.S.H.A. Safety and health Regulations for Construction. All component installers shall also conform to the latest recommendations, procedures, and regulations of the following: ASME, ASTM, API, AWS, FOP, ICC, ISO, JIC, MSS, NFPA, NEMA, NTEA, SAE, TIMA, AND USASI.
- 1.3 The units must be factory mounted at awarded mower manufacturer's facility. ~~No dealer mounted equipment will be awarded without manufacturer participation and supervision. All units must be delivered with a certificate of proof of factory mounting.~~ Prior to delivery, the units shall be:
 - 1.3.1 Complete with accessories, equipment and options properly installed and operative.
 - 1.3.2 Clean, lubricated and serviced, ready for immediate use.
 - 1.3.3 Provide a copy of the Manufacture's Service and Warranty Policy with all warranty certification vouchers, certificates or coupons and line-set tickets.
 - 1.3.4 Protected to -34 degrees (f) with manufacturers approved permanent type antifreeze.
- 1.4 70 SAE P.T.O. Horsepower minimum @ 2100 RPM .
- 1.5 Under hood muffler with deluxe corner post exhaust with exhaust heat guard. (After treatment: DOC/SCR).
- 1.6 Factory installed Cab fully enclosed, 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. Cab windows shall be the shatter proof glass.
- 1.7 Tractors shall have flanged rear axle with 8-position steel wheels equipped.
- 1.8 16 x 16 transmission with power reverser.
- 1.9 Independent 540/540E RPM PTO.
- 1.10 276 CU. IN 4.5L displacement.

STATE OF DELAWARE
Department of Transportation
Contract No. DOT1605-TRACTOR_MOWER

SPECIFICATION "C"

The following shall indicate minimum requirements, including all components, accessories, and safety features considered standard, as necessary to make a complete operating unit, whether identified herein or not.

1. TRACTOR SPECIFICATION

- 1.1 It is the intent and purpose of these specifications to describe a 57.6 PTO HP 2WD TRACTOR WITH ENCLOSED CAB WITH A REAR MOUNTED FLAIL MOWER (75 engine horsepower Diesel Engine at 2200 RPM) – 3 cy turbocharged engine 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.
- 1.2 In addition, the units shall comply with all applicable Federal Standards, including but not limited to the provisions of D.O.T and Subpart O, Paragraph 1926.601, O.S.H.A. Safety and Health Regulations for Construction. All component installers shall also conform to the latest recommendations, procedures, and regulations of the following: ASME, ASTM, API, AWS, FOP, ICC, ISO, JIC, MSS, NFPA, NEMA, NTEA, SAE, TIMA AND USASI.
- 1.3 The units must be factory mounted at awarded mower manufacturer's facility. ~~No dealer mounted equipment will be awarded without manufacturer participation and supervision. All units must be delivered with a certificate of proof of factory or factory mounting supervision.~~ Prior to delivery, the units shall be:
 - 1.3.1 Complete with accessories, equipment and options properly installed and operative.
 - 1.3.2 Clean, lubricated and serviced, ready for immediate use.
 - 1.3.3 Provide a copy of the Manufacturer's Service and Warranty Policy with all warranty certification vouchers, certificates or coupons and line-set tickets.
 - 1.3.4 Protected to -34 degrees (f) with manufacturers approved permanent type of antifreeze.
- 1.4 Under hood muffler with vertical exhaust stack with heat stack guard.
- 1.5 57.6 P.T.O horsepower minimum @2100 RPM.
- 1.6 Factory installed Cab fully enclosed, 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. Cab windows shall be the shatter proof glass.
- 1.7 Tractors shall have flanged rear axle.
- 1.8 16F/16R Power Reverser transmission.
- 1.9 Hydrostatic power steering.
- 1.10 Hydraulic wet disk brakes self-equalizing and self-adjusting.