



STAFF REPORT

Report To: Board of Supervisors

Meeting Date: 03/02/2017

Staff Contact: Laura Rader and Jennifer Budge

Agenda Title: For Possible Action: To approve the purchase of a Groundsmaster 4700-D T4 Compliant Diesel 54HP mower from Turf Star through Joinder NASPO (National Association of State Procurement Officials) Contract #3114 for a not to exceed amount of \$75,483.45 to be funded from the Question 18 and Carson City School District Turf Maintenance Accounts. (LRader@carson.org and JBudge@carson.org).

Staff Summary: The Parks, Recreation and Open Space Department has a significantly aging fleet of rolling stock/equipment to service the parks maintenance needs of the community. With the newest mower in the Department's inventory purchased in 2008, the Department continues to face on-going challenges in maintaining an aging and outdated inventory of equipment. Issues with discontinued parts from vendors, retrofits and repairs outside of manufacturer's recommendations/warranties often result in operational deficiencies and best practices to be compromised. Continuing to operate with existing equipment not only increases operator time, transport costs, and safety concerns; but impacts service hours on older equipment.

The recommended mower is larger than originally specified and will be able to cover more acreage in less time than our existing operation. The mower will also be equipped with rollers designed to stripe fields and level out turf. This feature will not only improve aesthetics, but will aid in maintaining level playing surfaces, which improves the safety of our facilities, while reducing opportunity for injuries.

Agenda Action: Formal Action/Motion

Time Requested: 5 minutes

Proposed Motion

To approve the purchase of a Groundsmaster 4700-D T4 Compliant Diesel 54HP mower from Turf Star through Joinder NASPO (National Association of State Procurement Officials) Contract #3114 for a not to exceed amount of \$75,483.45 to be funded from the Question 18 and Carson City School District Turf Maintenance Accounts.

Board's Strategic Goal

Quality of Life

Previous Action

N/A

Background/Issues & Analysis

Applicable Statute, Code, Policy, Rule or Regulation

NRS 332.195

Financial Information

Is there a fiscal impact? Yes No

If yes, account name/number:

Question 18: 254-5046-452-77-75 \$60,000

CC School District Turf Maintenance: 101-5017-452-77-86 \$15,483.45

Is it currently budgeted? Yes No

Explanation of Fiscal Impact:

\$60,000 is currently budgeted for purchase of a mower for park maintenance. After conducting an inventory of park maintenance equipment and assessing equipment conditions, it was determined that a different mower was the greatest need for the Department, especially in supporting the Carson City School District park maintenance obligations. There are adequate funds in Question 18 and CC School District Turf Maintenance funds to cover the cost without augmentation from the general fund.

Alternatives

Not approve the purchase.

Board Action Taken:

Motion: _____

1) _____

2) _____

Aye/Nay

(Vote Recorded By)



Date: December 6, 2016

Quotation for Carson City Parks Maint

Quote No: 602508-00

Prepared For: David Navarro

Quote No: 602508-00

Carson City Parks Maint
3303 Butti Way Bldg 9
Carson City, NV 89701

iQuote No: 2120008

Sales Person: Don Kittilsen
don.kittilsen@turfstar.com
(916) 861-7901

Nevada NASPO Contract Pricing; Contract No: 3114, Pricing is based on number of Traction Units purchased on a single order.

Summary

Configuration Name	Qty	Unit Price	Sub Total	Sales Tax	Total
010-Groundsmaster 4700-D T4 Compliant Diesel 54HP	1	\$75,483.45	\$75,483.45	\$0.00	\$75,483.45
Totals:					\$75,483.45

Unit price reflects state and local taxes, if applicable



Date: December 6, 2016

Quotation for Carson City Parks Maint

Quote No:602508-00

Configuration Product Details 010-Groundsmaster 4700-D T4 Compliant Diesel 54HP

Model	Product Description	Qty	Unit Price	Extended	Sales Tax	Total
30882	Groundsmaster 4700-D T4 Compliant Diesel 54HP	1	\$73,991.20	\$73,991.20	\$0.00	\$73,991.20
30552	Universal Sun Shade-Red	1	\$663.20	\$663.20	\$0.00	\$663.20
136-1830	45/4700 Univ Sunshade Mount Kit	1	\$199.18	\$199.18	\$0.00	\$199.18
30836	Leaf Mulching Kit Contour Plus II Deck	7	\$47.20	\$330.40	\$0.00	\$330.40
108-1464	BLADE SERVICE PACK, 27 I N	2	\$132.87	\$265.74	\$0.00	\$265.74
131-6691	SEAT COVER, LARGE	1	\$33.73	\$33.73	\$0.00	\$33.73
Totals:						\$75,483.45



Date: December 6, 2016

Quote No:602508-00

Quotation for Carson City Parks Maint

Standard Terms and Conditions

Prices, including all finance options, are valid for 30 days from date of quotation. Open Account Terms are N30, subject to credit approval. Used and demo equipment is in high demand and availability is subject to change. Delivery is FOB Destination, unless otherwise stated

TORO

Count on it.

Groundsmaster® 4500-D/4700-D

F E A T U R E S

- 55 hp Yanmar® engine, Tier 4 Final compliant, turbo-diesel engine
- Patented Contour® Plus rotary cutting units for virtually no scalping
- Full-length striping rear rollers
- 9' and 12.5' width of cut
- 6.5" cutting unit overlap to eliminate streaking
- Smart Power™ – optimized mowing in all conditions
- SmartCool™ system with auto reversing cooling fan
- 4-Way Adjustable Seat and Air Ride Suspension
- Integrated ControlHub™ with fingertip electronic controls
- Mini InfoCenter™ displays simple operating info while monitoring machine health
- Full-time, bi-directional 4WD
- 4-wheel drive traction assist (optional)
- Reliable planetary gear wheel drive system

More production, same extraordinary cut.

The Groundsmaster® 4500-D and 4700-D continue to provide the clean quality of cut of a reel mower but with the maintenance ease of a rotary. Toro's exclusive new SmartCool™ system keeps your machine on the job and moving forward. Before things get too hot, SmartCool briefly reverses the cooling fan to blast chaff and debris from the intake screens. Smart? You know it. Cool? Definitely!

With a 55 hp turbo-diesel under the hood and the new Smart Power™ technology that maximizes power to the Contour® Plus cutting decks, the Groundsmaster 4500-D and 4700-D are an unprecedented blend of powerful productivity and refined results.



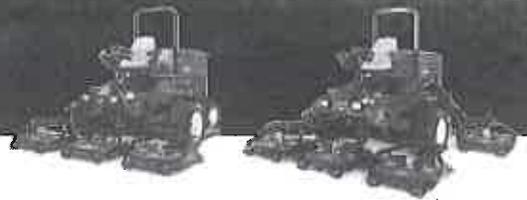
Groundsmaster® 4500-D
(30881)

Groundsmaster® 4700-D
(30882)

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8111 Lyndale Ave. S.
Bloomington, MN 55420-1196
Rev. 2/13

Call your Toro distributor at 1-800-803-8676

Groundsmaster 4500-D/4700-D Specifications*



		GROUNDMASTER 4500-D, TIER 4 DIESEL, MODEL 30881	GROUNDMASTER 4700-D, TIER 4 DIESEL, MODEL 30882
4 TIER	ENGINE	Yanmar® 4-cylinder liquid-cooled, turbo-charged diesel. Power: 55 hp (41.1 kW) gross power at rated speed of 2700 rpm. Torque peak: 125 ft-lbs (169 Nm) @ 2000 rpm. Displacement: 127 cu. in. (2.1 liters). EPA Tier IV Final Compliant.	
	AIR CLEANER	Dry, replaceable primary and safety elements.	
	RADIATOR	Rear-mount, single pass, 7-row, 6.3 fins per inch, 13 quart (12.3 liters) capacity.	
	FUEL CAPACITY	22 gallons (83 liters) diesel fuel.	
	TRACTION DRIVE	Parallel hydrostatic, closed loop system with full-time 4WD (2WD in transport) forward/reverse in low (mow) and high (transport) range with optional full-time, automatic traction (forward only) (Model 30876). Variable displacement piston pump with electronic servo control powers dual speed displacement piston motor drive into double reduction planetary in front, and mechanical axle in rear. Smart Power™ feature controls traction speed to maintain optimal cutting blade speed.	
	HYDRAULICS/COOLING	8.25 gallon (31.3 liter) capacity with 10 micron remote spin-on filter, 9 row single pass cooler with tilt out for cleaning. Variable speed hydraulic fan drive with automatic (based on coolant and oil temps) and manual reversing capabilities.	
	DIAGNOSTICS	Diagnostics pressure test ports: forward and reverse traction, deck circuit 1 & 2, reverse 4WD, lift, steering, traction charge, and counter balance.	
	GROUND SPEED	Transport: 0-13 mph (0-21 km/h) forward, 0-6.2 mph (0-10 km/h) reverse. Mow: 0-7 mph (0-11.3 km/h) forward, 0-3.5 mph (0-5.6 km/h) reverse.	
	TIRES	Front: 29 x 14-15, 6-ply ultra-trac tread. Rear: 20 x 10-10, 4-ply multi-trac tread.	
	MAIN FRAME	All welded formed-steel frame with integral tie-down anchors.	
	BRAKES	Mechanically actuated, internal wet disc brakes on input to each planetary drive. Individual foot-operated steering brake control of left and right wheel. Lock pedals together and latch to engage parking brake.	
	SEAT	Premium seat with adjustments for operator weight via air ride suspension, seat fore/aft position, seat back angle, arm rest height and retractable seat belt.	
	STEERING	Power steering with dedicated power source, tilt steering.	
	INSTRUMENTATION	Mini InfoCenter™ System: Onboard LCD display shows gauges, alerts/fauls, service reminders, electrical system diagnostics. Indicates fuel level, coolant temperature, intake temperature, low oil pressure, alternator, engine hours, engine rpm, hydraulic oil temperature, and voltage.	
	CONTROLS	Ignition switch, throttle switch, mow/transport range selection switch, PTO switch, light switch. Foot-operated traction pedal, individual foot-operated steering brake control of left and right wheels with parking brake lock. One 2-position switch (GM 4500-D). Three 2-position switches (GM 4700-D).	
	ELECTRICAL	12-volt, 650 cold cranking amps battery, 40 amp alternator. Overload protection with automotive type fuses.	
	INTERLOCKS	Prevents engine from starting unless traction pedal is in neutral and deck is disengaged. If operator leaves seat with deck engaged, engine stops. Mowing only permitted in low range. Engine stops if parking brake engaged and traction pedal not in neutral.	
	OPERATOR AREA	Beverage holder, radio holder, 12-volt power point, storage box (tools, jackets, golf balls, etc.), seatbelt.	
	WORK LIGHT	Standard.	
	ROPS	2-post standard.	
	DIMENSIONS W/ CUTTING UNITS		GM 4500-D
Overall length w/decks down		145.8" (370 cm)	145.8" (370 cm)
Overall width, lowered/raised		112.8" (286 cm)/88.3" (224 cm)	153.8" (391 cm)/88.3" (224 cm)
Height w/2-post ROPS		85" (216 cm)	85" (216 cm)
Wheelbase		67.5" (172 cm)	67.5" (172 cm)
Track Width, front/rear	88.3" (224 cm)/55.5" (141 cm)	88.3" (224 cm)/55.5" (141 cm)	
Ground clearance	6" (15.3 cm)	6" (15.3 cm)	
WEIGHT	4400 lbs. (1995 kg) - with full fluids.	4950 lbs. (2245 kg) - with full fluids.	
SAFETY	Complies with American National Standards Institute (ANSI B71.4-2004) and applicable CE (machine directive 89/392, 91/368, 93/44, 84/538, 89/336) requirements.		
WARRANTY	Two-year limited. (Model 30876)		
ACCESSORIES	Atomic mulching blades (107-0235-03), universal sunshade (30349), operator fan kit (110-8804), 4WD flow divider kit (30871), rear roller scraper kit, 2 post ROPS extension, windscreen, 90 amp alternator kit (115-8473), mulching kit (30836).		
TYPE	CUTTING UNITS		
	Five Contour™ Plus 27" (68.6 cm), rear-discharge rotary cutting units w/rear rollers.	Seven Contour™ Plus 27" (68.6 cm), rear-discharge rotary cutting units w/rear rollers.	
WIDTH OF CUT	109" (277 cm), overlap 6.5" (16.5 cm), overhang 10.4" (26.4 cm).	Overall: 150" (381 cm), 109" (277 cm) with deck 6 and 7 raised. Overlap 6.5" (16.5 cm), overhang 30.9" (78.4 cm).	
HEIGHT OF CUT	.75"-4" (1.9-10.2 cm) in .25" (.6 cm) increments.		
CONSTRUCTION	10-gauge steel constructed chambers with 12-gauge welded reinforcements. 1.5" (3.8 cm) square x .25" (.6 cm) wall tube with 7-gauge side supports. Spindle support 3/16" (.48 cm) high-strength steel and 10-gauge exterior channels.		
SPINDLE ASSEMBLY	Ductile cast iron spindle housing. Dual greaseable tapered roller bearings. 1.25" (3.2 cm) diameter solid cold finished steel spindle shaft. Spined connection between spindle shaft and pulley. Welded blade retainer plus anti-scalp cups.		
GROUND FOLLOWING	6" (15.3 cm) anti-scalp cups on each blade. On each deck: two 5" (12.7 cm) diameter front rollers, one 3" (7.6 cm) diameter rear roller.		
BLADES	27" (68.6 cm) long, 2.5" (6.4 cm) wide, .25" (.64 cm) thick. Standard combo blade optional Atomic Blade for leaf mulching.		
WING PROTECTION	Groundsmaster 4700-D has an impact absorption device on wing decks 6 and 7.		

*Specifications and design subject to change without notice.

**Dependent on operator and turf conditions, assumes 85% efficiency for overlaps and turns
Certification complies with ANSI B71.4-1999 and applicable CE directives.

Warranty: Two-year limited warranty. Refer to operator's manual for further details.