CITY COUNCIL COMMUNICATION: **02-389** **AGENDA:** JULY 22, 2002 **SUBJECT:** BID NO. V02-155 (MOWER) **TYPE:** **RESOLUTION** ORDINANCE RECEIVE/FILE **SUBMITTED BY:** DONALD M. TRIPP PARK AND RECREATION DIRECTOR	**ITEM _____** **OFFICE OF THE CITY MANAGER** **CITY OF DES MOINES, IOWA** **SYNOPSIS -** Recommend approving the purchase of a Jacobsen/HR5111 lawnmower. **FISCAL IMPACT -** Replacement - Budgeted equipment each of which has a trade-in unit (FIN220000). **RECOMMENDATION -** **Approval.** **BACKGROUND -** Although it is not the low bid machine, only the Jacobsen/HR5111 met all specifications. Both the John Deere 1600 Turbo WA and the Toro Groundsmaster 400-D failed to meet two or more of the specifications. Specifically, the cutting width of John Deere 1600 Turbo WA is only 128" compared to 134" called for in the specification. The cutting width differential translates into increased mowing time, and thus increased labor costs. In addition the vehicle differential in the John Deere machine is mechanically foot-operated in either a low or high position. For safety reasons, the specification called for a single speed, differential lock that is electro-hydraulically activated. The specification for the vehicle hydraulic system called for a 17-gallon reservoir with "O" ring face seal fittings, two filters, ten micron full flow filtration, suction screen at hydro, oil cooler, and diagnostic test ports. The John Deere has a vehicle hydraulic system with a 15-

	gallon reservoir, one filter, ten micron full flow filtration, and diagnostic test ports. The hydraulic system on the Toro Groundsmaster 4000-D has an eight-gallon capacity. In addition to the failure to meet the hydraulic specification, the Toro machine traction system is a bi-directional closed loop system. Parallel hydraulic flow powers the piston motor to the rear axle. For safety reasons, the specification calls for a hydrostatic closed loop system with a variable displacement piston pump to the front axle with integral gear reduction, and motors on the rear wheels which are electronically and hydraulically engaged and disengaged for four-wheel drive.