

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date	May 18, 2009
	Agenda Item No. 71C Roll Call No. <u>09-</u> Communication No. <u>09-313</u> Submitted by: Merrill Stanley, Deputy City Manager	

AGENDA HEADING:

Approving the purchase of seven (7) purpose-built three-wheeled mechanical street sweepers.

SYNOPSIS:

Recommend Council approval to purchase seven (7) Purpose-Built Three-Wheeled Mechanical Street Sweepers Contract from Trans-Iowa Equipment Inc., 4607 SE Rio Court, Ankeny, IA 50021, Eric Thorson, General Manager. The units will be used in the Public Works Department for routine street cleaning and in the Parks and Recreation Department for facility, street and parking lot cleaning. This purchase of seven (7) units will replace nine (9) current units that exceed replacement criteria with increasing maintenance and repair costs. The fleet reduction of two (2) units is achieved through inter-department sharing of combined resources under Centralized Fleet Management and will avoid \$319,000 of acquisition costs and \$50,000 per year of repair and maintenance costs.

FISCAL IMPACT:

Amount: \$1,116,017

Funding Source: \$1,116,017 Master Lease Agreement – Debt Administration, FIN900100, FY2010 Recommended Operating Budget, page 114.

ADDITIONAL INFORMATION:

Nine (9) existing street sweepers exceeding established replacement criteria were identified for replacement with seven (7) street sweepers with current mechanical sweeping technology, resulting in a fleet reduction of two units. Two known existing manufacturers of purpose built three wheeled mechanical street sweepers demonstrated their products to using departments. Fleet Services conducted simultaneous performance testing in a controlled functionality test and determined the Elgin Pelican NP best performs the street cleaning task necessary in Public Works and Parks and Recreation Departments. Elgin, a subsidiary of Federal Signal Corporation markets their Elgin brand products exclusively through established dealers in targeted marketing areas, making competitive bids for like products unavailable from multiple dealers. The Iowa dealer, Trans-Iowa Equipment, has agreed to supply the City, Elgin units as specified for the same cost as quoted on last year’s State of Minnesota Contract with options identified as necessary by the receiving department. This represents a total purchase savings for seven (7) units of \$54,243.00 compared to this year’s State of Minnesota Contract price. The units will be assigned for use on both shifts of Public Works Street Cleaning Division operations and will be available to clean streets and parking lots within the parks system. Life cycle expectancy of the new units is 8,500

hours of use or approximately 6 years. The nine units being replaced will be remarketed through auction or competitive sealed bids with an anticipated total value of \$50,000.

The units being purchased have diesel engines with minimum horsepower and torque necessary to operate units and sweeper functions. They meet the 2007 clean air emissions standards for off-road heavy equipment requirement of 60 percent reduction in Nitrogen Oxides (NO_x) and a 65 percent reduction in Particulate Matter (PM) or soot compared to the units that are being replaced. These units will utilize up to B20 (20% Bio-Diesel) fuel to further reduce emissions that impact the environment. Purpose built (non-truck chassis mounted) street sweepers are self propelled by hydraulically driven wheel motors and therefore no electric or diesel electric hybrid engines are available. While the performance of hydraulic operated equipment is reliant on horsepower and torque, fuel efficiency in future passenger vehicle purchases will continue to provide the best opportunities for gaining fuel efficiencies with smaller or hybrid engines along with decreases in the size of vehicles.

PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

In a related action, Council approval will be sought for the lease financing of this equipment.

For more information on this and other agenda items, please call the City Clerk's Office at 515-283-4209 or visit the Clerk's Office on the second floor of City Hall, 400 Robert D. Ray Drive. Council agendas are available to the public at the City Clerk's Office on Thursday afternoon preceding Monday's Council meeting. Citizens can also request to receive meeting notices and agendas by email by calling the Clerk's Office or sending their request via email to cityclerk@dmgov.org.