

COUNCIL ACTION FORM

**SUBJECT: FLEET REPLACEMENT OF SEWER JET TRUCK WITH COMBO
 JET/VAC TRUCK**

BACKGROUND:

The City has one specialized sewer jet truck in the fleet, used by Public Works to clean sanitary and storm sewers. This unit only has the capability of cleaning the inside of sewer pipes with high pressure water, which eventually drains to the waste water treatment facility or to streams through storm sewers. In some cases, the debris creates another plug or restriction in the pipe “down stream” at another location, requiring additional cleaning efforts. Consequently, this purchase replaces the existing sewer jet truck with a combination sewer jet/vac truck. A combination jet/vac unit will provide the option to not only clean the sewer pipes, but also to vacuum the debris out of the sewers, manholes, and intakes to prevent further restrictions.

The nineteen bids received for a combination jet/vac truck are as follows, listed from lowest cost to highest cost (Lowest cost bid is Bid #1; second low bid is #2, etc.):

DEMO UNITS ALREADY BUILT:

<u>Bid # & Bidder</u>	<u>Jet / Vac & Truck manufacturer</u>	<u>Combined Total</u>
#1 Mid-Iowa	Vac-Con & Intl Truck	\$267,944.75
#2 Elliott Equip	Camel & Intl Truck	\$280,709.00
#12 Municipal Pipe	Vacall & Sterling Truck	\$311,341.00
#14 Municipal Pipe	Vacall & Sterling Truck	\$313,399.00

NEW UNITS:

<u>Truck Chassis</u>	<u>Jet / Vac manufacturer</u>	<u>Chassis cost</u>	<u>Combined Total</u>
#3 Truck Country – Freightliner	\$87,127 Gapvax -	\$206,372.00	\$293,499.00
#4 Truck Country – Freightliner	\$88,813 Vacall -	\$207,479.00	\$296,292.00
#5 Freightliner of DSMS -	\$89,317 Mid- Iowa - Vac-Con -	\$208,400.00	\$297,717.00
#6 Truck Country – Freightliner	\$88,813 Vacall -	\$209,538.00	\$298,351.00
#7 Freightliner of DSMS -	\$87,632 Mid-Iowa - Vac-Con -	\$213,400.00	\$301,032.00
#8 Truck Country – Freightliner	\$87,127 Camel -	\$219,433.25	\$306,560.25
#9 Freightliner of DSMS -	\$87,891 Camel -	\$219,433.25	\$307,324.25
#10 O’Halloran – Intl -	\$100,229 Mid-Iowa - Vac-Con -	\$208,400.00	\$308,629.00
#11 O’Halloran – Intl -	\$97,632 Mid-Iowa - Vac-Con -	\$213,400.00	\$311,032.00
#13 Freightliner of DSMS -	\$92,390 Elliott - Camel -	\$219,433.30	\$311,823.30
#15 O’Halloran – Intl -	\$97,908 Elliott - Camel -	\$219,433.25	\$317,341.25
#16 O’Halloran – Intl -	\$100,506 Elliott - Camel -	\$219,433.25	\$319,939.25
#17 Truck Country – Freightliner	\$92,380 Vactor -	\$252,225.00	\$344,605.00
#18 O’Halloran – Intl	\$98,173 Vactor -	\$252,225.00	\$350,398.00
#19 O’Halloran – Intl	\$100,770 Vactor -	\$252,225.00	\$352,995.00

Bids were evaluated starting with the lowest combined total cost first, looking for the lowest cost acceptable bid.

Each bid was reviewed for specification compliance, with bid numbers 1, 2, 3, 4, and 6 being rejected because they either did not meet the specifications or were non-responsive and incomplete.

Bids #5 and #7 do meet specifications and are acceptable. However, on low bid #5, the jet/vac unit runs entirely on the truck engine (a 330 HP diesel), while bid #7 runs the jet/vac unit on a quieter and more fuel efficient auxiliary engine (a 131 HP diesel). Bid #5 is the lower cost total option by \$3,315 under bid #7. However, bid #7, with the auxiliary engine, is more fuel efficient by 11.4%.

Projected life cycle fuel costs for bid #7 are \$67,750 less over 10 years (\$6,775 annually in 2010 dollars) than bid #5. The auxiliary engine in bid #7 also is a quieter machine for use in residential areas on evening or night calls.

The FY 10/11 budget contains \$348,500 for this purchase. The fleet replacement fund will have a balance of \$142,000 by June 30, 2011, the salvage value of the existing jet truck is estimated at \$25,000, and the 2010/11 Public Works budget contains \$181,500, for a total amount of available funding of \$348,500.

ALTERNATIVES:

1. The City Council can award this bid as follows:
 - A. to Freightliner of Des Moines for a 2012 Freightliner, Model M2, medium duty truck chassis for \$87,632.00, and
 - B. to Mid-Iowa Solid Waste Equipment for a Vac-Con jet/vac with an auxiliary engine for \$213,400.00.Total cost under this alternative is \$301,032.00
2. The City Council can approve one of the other bids.
3. The City Council can reject the bids and direct staff to rebid the unit.
4. The City Council can delay award of the bid.

MANAGER'S RECOMMENDED ACTION:

The Director of Fleet Services and Public Works department have thoroughly reviewed these bids. The low, evaluated bid #7, is acceptable and will provide the sewer cleaning services as expected. It will operate on less fuel to save on fuel expense and will operate quieter in the community, especially on evening or late night calls.

Therefore, it is the recommendation of the City Manager that the City Council award these bids as shown under Alternative #1 above.