

Exhibit A

Phased City Council Approval of the Refurbishment, Purchase and Installation of Equipment and Supplies to Fully Outfit Three Plow/Sander Trucks

Resolution	1 st Phase	2 nd Phase	Amount
17-0399R 5/22/2017	Purchase all necessary parts and equipment, as well as labor, to refurbish three current "sander bodies."		\$304,190.83
17-0488R 6/26/17		Purchase Cab and Chassis to complete the plow truck build	\$253,600.20
			Total. Cost for three trucks:
			\$557,791.03

The purchase and refurbishing of the new plow trucks in 2017 will be a two phase venture. This is due to a delay in the State Contract Assignments.

In the first phase of the project, we purchased all of the necessary parts and equipment, as well as the labor involved, to refurbish three current "sander bodies" for a cost of \$304,190.83. In the past we have made the investment in stainless steel sander bodies for this purpose. By rebuilding the sanders instead of purchasing new, the City saves over \$25,000 per truck. These will be refurbished by removing and rebuilding the stainless Radius Dump Spreader (RDS) bodies with new bearings gears and chains. We will also be updating the hydraulic system, box lift cylinder, conveyer system, plows, and electronic controls to our current standards.

Phase two includes the ordering of the cab and chassis to complete the plow truck build. This will consist of a purchase of three new truck cab and chassis at a cost of \$253,600.20.

These phases were separated in order to move forward on the time-consuming process of rebuilding the units while waiting on the cab and chassis delivery in order to reduce the time we are without these important resources.



City of Duluth
Maintenance Operations
Fleet Services
4825 Mike Colalillo Drive, Duluth, MN 55807
218-730-4450
Inter-Department Correspondence

FROM: THOMAS ANDERSON
SUBJECT: REPLACEMENT OF UNIT #
DATE:

This purchase is part of a plan involving existing vehicle(s).

New unit that will result in net change in the number of vehicles in our fleet.

Unit # will be sold at auction, traded in, or repurposed.

Unit # will be repurposed to replace unit #

Unit # will be replaced with the new vehicle purchase authorized here.

Unit # is years old.

The 2014-2015 Fleet Study found that, in order to minimize total City vehicle costs for purchase and maintenance, vehicles of this kind should be replaced when they reach years old.

This vehicle is years beyond the recommended replacement age. Attached is a vehicle lifecycle report outlining total cost of maintenance for review.

This vehicle was originally purchased by the It was transferred to for continued City use.

* UNIT NUMBERS FOLLOWED BY "R" AND THEN A NUMBER ARE RETIRED. (Example 3356R2017)
THE NEW SYSTEM ALLOWS THE REUSE OF UNIT NUMBERS. R=RETIRED FOLLOWED BY THE YEAR.



UNIT	MAKE	MODEL	DESCRIPTION	YEAR	PURCHASE PRICE
3356	FREIGHTLINER	FL80	RDS DUMP BODY	2003	\$119,199.00

PLACEMENT	MILES	AGE	MAIN FRAME TOTALS	EXPENSED TO DATE	% OF VALUE
STREET MAINTENANCE	67,656	14	\$16,838.00	247,289.60	207%

Asset Life Cycle - Percent of Maintenance

<u>Asset</u>	<u>Purchase Cost</u>	<u>Upfitting Cost</u>	<u>Total Cost</u>	<u>Maintenance Expense</u>	<u>Percent</u>
Vehicle: 3356: 2003 Freightliner FL80	\$119,199.00	\$0.00	\$119,199.00	\$230,451.60	193%
Grand Total:	\$119,199.00	\$0.00	\$119,199.00	\$230,451.60	193%

MAINFRAME TOTAL \$16,838.00



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UNIT	MAKE	MODEL	DESCRIPTION	YEAR	PURCHASE PRICE
3357	MACK	CV712	RDS DUMP BODY	2005	\$149,262.00
PLACEMENT	MILES	AGE	MAIN FRAME TOTALS	EXPENSED TO DATE	% OF VALUE
STREET MAINTENANCE	62,136	12	\$0.00	\$192,437.23	129%

Asset Life Cycle - Percent of Maintenance

<u>Asset</u>	<u>Purchase Cost</u>	<u>Upfitting Cost</u>	<u>Total Cost</u>	<u>Maintenance Expense</u>	<u>Percent</u>
Vehicle: 3357: 2005 MACK CV712	\$149,262.00	\$0.00	\$149,262.00	\$192,437.23	129%
Grand Total:	\$149,262.00	\$0.00	\$149,262.00	\$192,437.23	129%



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UNIT	MAKE	MODEL	DESCRIPTION	YEAR	PURCHASE PRICE
3358	MACK	CV712	RDS DUMP BODY	2005	\$147,811.00

PLACEMENT	MILES	AGE	MAIN FRAME TOTALS	EXPENSED TO DATE	% OF VALUE
STREET MAINTENANCE	52,766	12	\$0.00	\$220,285.99	149%

Asset Life Cycle - Percent of Maintenance

<u>Asset</u>	<u>Purchase Cost</u>	<u>Upfitting Cost</u>	<u>Total Cost</u>	<u>Maintenance Expense</u>	<u>Percent</u>
Vehicle: 3358: 2005 MACK CV712	\$147,811.00	\$0.00	\$147,811.00	\$220,285.99	149%
Grand Total:	\$147,811.00	\$0.00	\$147,811.00	\$220,285.99	149%