

**CITY OF LA VISTA**  
**MAYOR AND CITY COUNCIL REPORT**  
**MAY 5, 2009 AGENDA**

<b>Subject:</b>	<b>Type:</b>	<b>Submitted By:</b>
PURCHASE OF MECHANICAL STREET SWEEPER	◆ RESOLUTION ORDINANCE RECEIVE/FILE	JOE SOUCIE PUBLIC WORKS DIRECTOR

**SYNOPSIS**

A resolution has been prepared authorizing the purchase of (1) one 2009 Allianz MX450 Street Sweeper from Rose Equipment Company, 8055 Fletcher Ave., Lincoln, Nebraska for an amount not to exceed \$165,975.00.

**FISCAL IMPACT**

The FY 2008/09 General Fund – Street Operating Budget authorized \$180,000 in funding for the lease/purchase of a new mechanical street sweeper.

**RECOMMENDATION**

Approval

**BACKGROUND**

The Public Works Department requested this street sweeper purchase to replace street sweeper #1136, a 1992 Johnson 3-Wheel Mechanical Sweeper. City Council authorized the advertisement of bids on April 7, 2009. Bids were opened on April 23, 2009; the results of the bid opening are listed below:

			# of items <b>not</b> meeting specs.
Rose Equipment	2009 Allianz R3000	\$160,685.00	0
Rose Equipment	2009 Allianz MX450	\$165,975.00	0
NE Environmental Products	2009 Elgin Pelican NP	\$148,655.00	16

The Public Works Department is recommending the purchase of the 2009 Allianz MX450. The MX450 meets all specifications and has several options that set it apart from the other models. This is explained in the attached report from the Street Superintendent. The Elgin Pelican NP was the low bid but did not meet 16 major specification items and numerous minor specifications.

**RESOLUTION NO. \_\_\_\_\_**

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF LA VISTA, NEBRASKA, AUTHORIZING THE PURCHASE OF ONE (1) 2009 ALLIANZ MX450 STREET SWEEPER FROM ROSE EQUIPMENT COMPANY, LINCOLN NEBRASKA, IN AN AMOUNT NOT TO EXCEED \$165,975.00.

WHEREAS, the City Council of the City of La Vista has determined that the purchase of one new Street Sweeper for the Public Works Department is necessary; and

WHEREAS, the FY08/09 General Fund – Street Operating budget does include funds for the lease/purchase of said equipment; and

WHEREAS, Rose Equipment Company, Lincoln, Nebraska, is the most responsible bidder; and

WHEREAS, Subsection (C) (9) of Section 31.23 of the La Vista Municipal Code requires that the City Administrator secure Council approval prior to authorizing any purchase over \$5,000.00.

NOW, THEREFORE, BE IT RESOLVED, that the Mayor and City Council of La Vista, Nebraska, do hereby authorize the purchase of one 2009 Allianz MX450 Street Sweeper for the Public Works Department from Rose Equipment Company, Lincoln, Nebraska, in an amount not to exceed \$165,975.00.

PASSED AND APPROVED THIS 5TH DAY OF MAY 2009.

CITY OF LA VISTA

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Douglas Kindig, Mayor

ATTEST:

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Pamela A. Buethe, CMC  
City Clerk

April 27, 2009

TO: Mayor and City Council  
FROM: Greg Goldman, Street Superintendent  
RE: Street Sweeper Bid Summary

I am recommending the purchase of the Allianz MX450 Street Sweeper. The MX 450 meets all requested specifications and exceeds several major specifications. I have listed below a few of the advantages the Allianz has over the Pelican. Then listed are the MX 450 advantages over the R3000. And last I have listed the 16 major specifications not met by the Elgin Pelican NP Sweeper:

#### **Allianz advantages over the Pelican**

- Meets and exceeds all specifications.
- Public Works personnel are familiar with operating the Allianz which is the same as the two current units.
- Public Works personnel are familiar with the daily maintenance and repair of the Allianz.
- Public Works mechanics are very familiar with repair and overhaul of the Allianz.
- The Allianz is a front cab – front steer unit; reduces the possibility of turning accidents.
- Public Works personnel were able to test drive both units and preferred the Allianz.
- The Allianz is equipped with a stainless steel hopper.

#### **MX 450 advantages over the R3000**

- In-cab Leaf Gate: Switching the R3000 elevator from leaf to debris sweeping requires half a day of manual adjustments; the MX 450 does it with the flip of a switch.
- The MX 450 has an 11 squeegee lift system for more efficient picking up of debris; as compared with 8 squeegee system on the R3000.
- The MX 450 has a 3 pump system. One pump runs the drive system; the second pump runs the gutter and pickup brooms; and the third runs the elevator lift system. The three pump system runs much cooler and efficiently since the pumps do not get as hot and there is less work being exerted on the hydraulic system.

#### **Specifications not met by Elgin Sweeper**

##### **Hopper**

- Hopper lifting capacity is 3000 pounds under minimum lifting capacity
- Hopper capacity is only ½ the capacity of the Allianz which means the sweeper would have to stop sweeping to dump twice as often, therefore cutting productivity.
- Lifetime warranty on the hopper was not included on the bid (lifetime warranty hopper is a spray on liner similar to a pickup truck bed liner) and warranty does not include neglect or damage which can be interpreted in different ways and even if it is covered under warranty, would have to go into the shop for repairs

similar to an auto body paint repair in which cure time of one to two days on the hopper before it could go back into service.

- The Pelican does not have a “hopper full” indicator light which would require the sweeper to stop and raise the hopper to check how full it is. This would increase wear and tear on the hydraulic system and also decrease productivity.
- The Pelican does not have an access door in the hopper which is used to place debris too large to be swept up into the hopper. The Pelican’s hopper needs to be raised for this increasing wear and tear on the hydraulic system.
- The Pelican is able to move while hopper is in raised position which will increase the chances of damage to dump truck while dumping.

#### **Cab**

- Pelican does not have a “buddy seat” which is required for operator training purposes.
- Cab doors do not have grease fittings or stainless steel hinges which would require more maintenance.

#### **Hydraulic System**

- Hydraulic system does not have 2 separate tanks that are dedicated to separate functions, which in the event of a hydraulic hose failure in the sweeping function, would require the hose to be repaired in the field rather than being able to drive to back to the shop for repairs.

#### **Gutter Brooms**

- The Pelican’s gutter brooms require bolts for replacement which increases the time required for replacement.

#### **Water System**

- The Pelican does not have a water level indicator in the cab requiring the operator to constantly turn around to look at the water level in the tank.

#### **Brakes**

- The parking brake does not automatically apply when the sweeper is placed in park, operators get in and out of the sweeper many times during the course of a day to pick up objects too large to be swept up. It is also very important when dumping the hopper into a dump truck that the sweeper not move forward potentially causing damage to the dump truck.

#### **Frame**

- The Pelican does not have a tool/storage box which is needed for carrying a fill hose and fire hydrant wrench which is required for filling sweeper with water.
- The Pelican does not have a full suspension system which has the potential to increase wear and tear on the operator, as well as wear and tear on the sweeper, which spends a lot of time moving at full speed to and from the shop and to and from the dump site.

#### **Electrical System**

- The Pelican’s electrical schematic is in the service manual and not laminated and kept with the sweeper, which when repairing the unit would subject the manual to more abuse and it would also be subject to getting grease over the pages rendering the manual unreadable after using it a few times. A new service manual is approximately \$200.00

#### **Sweeper Dimensions**

- The Pelican’s overall height is almost one foot taller, increasing the chances for damage from low hanging tree branches.