

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date:	October 26, 2015
	Agenda Item No.	38
	Roll Call No.	<u>15-1797</u>
	Communication No.	<u>15-580</u>
	Submitted by:	John F. TeKippe, Fire Chief

AGENDA HEADING:

Approve purchase of one (1) replacement aerial ladder truck for the Des Moines Fire Department from Rosenbauer South Dakota, LLC.

SYNOPSIS:

Approval of the bid from Rosenbauer South Dakota, LLC., Harold Boer, President, 100 Third Street, Lyons, South Dakota for the provision of one (1) 75-foot mid-mount aerial ladder truck. The purchase of this apparatus is a scheduled replacement and is not an addition to the fire department fleet.

FISCAL IMPACT:

Amount: \$833,069.00

Funding Source: FY 2016 CIP: C041FR99 FR013 Fire Protection Improvements - 4

ADDITIONAL INFORMATION:

Bid number V16-021 for one (1) 75-foot mid-mount, single axle, aerial ladder truck was sent to nine (9) vendors and one (1) bid was received. Rosenbauer South Dakota, LLC is the compliant bid.

Bids were sent to several manufacturers who build ladder trucks for the fire service. Only one (1) bid was received. Four (4) manufacturers did not respond to the Bid; four (4) others acknowledged the Bid, but passed on submitting a proposal. Since the economic downturn, very few manufacturers (routinely 1-2) build a single axle mid-mount steel aerial, the specific design criteria desired to best serve our neighborhoods and provide safety for fire fighters.

The purchase cost of aerial apparatus varies greatly based on the specific operational needs and design specifications. However, an internet search of new ladder trucks and their purchase cost, after discounts or other conditions, was conducted following the single compliant bid to provide additional information regarding market value:

2015 West Haven FD (CT)	75-foot	Pierce	\$870,895
2015 West Haven FD (CT)	75-foot	KME	\$872,603 (unsuccessful bid)
2015 Spartanburg FD (SC)	75-foot	Spartan	\$843,974
2014 Youngstown FD (OH)	95-foot	Sutphen	\$890,000
2013 Chelmsford FD (MA)	100-foot	Smeal	\$895,000

Bid specifications were consistent with the design of the last five (5) mid-mount 75-foot aerials purchased. This design takes into consideration department operations, familiarity of use by department fire fighters and engineers as well as equipment mechanics for maintenance, ease of use, safety, and future operating costs. The mid-mount design allows for a lower overall height. This is important to allow apparatus access to height restricted roadways, access to structures commonly encountered by fire personnel, and accessibility for newer fire station doors and ceiling designs as well as older stations that may have height or ceiling design height restrictions.

Specifications are consistent with the National Fire Protection Association 1901, entitled “Standards for Automotive Fire Apparatus”, 2009 Edition, as approved by the American Insurance Association and International Association of Fire Chiefs.

Main design components / specifications required for Des Moines Fire Department:

- Mid-Mount:
 - To allow apparatus access to height restricted roadways, access to structures commonly encountered by fire personnel, and accessibility for newer fire station doors and ceiling designs as well as older stations that may have height or ceiling design height restrictions.
- On turntable controls:
 - Improves safety through increased vision in all directions to avoid overhead hazards such as power lines, tree canopy, etc.
- Welded Steel aerial ladder:
 - A welded steel ladder is much stronger than an aluminum riveted ladder when exposed to fire and during rescue operations. Additionally, steel requires less cost of maintenance, upkeep, and repairs over its life expectancy.
- Single-axle:
 - Single-axle and short wheel base allows for ease of access to the City’s residential neighborhoods.

Upon receipt of this new 75-foot mid-mount aerial ladder truck, it will replace a 1999 American LaFrance 75-foot (16 years old). The Fire Department’s standard replacement schedule is 15 years (10 years in frontline then five (5) years in ready reserve). The 1999 American LaFrance will be removed from the fleet by selling the unit in coordination with our Purchasing Division. This new unit will be placed in-service as a frontline unit and another existing unit will be placed in a ready reserve status.

PREVIOUS COUNCIL ACTION(S):

Date: December 8, 2014

Roll Call Number: [14-1874](#)

Action: Award of Bid to [Rosenbauer](#) South Dakota LLC (Harold Boer, President) for one replacement ladder truck as requested by the Fire Department, \$838,210. (Four bids mailed, two proposals received). ([Council Communication No. 14-580](#)) Moved by Gatto to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE

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 first 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.