



## Legislation Text

File #: 19-237, Version: 1

### ACTION REQUESTED:

Communication from the City Manager and the Fire Chief with a Request to APPROVE the PURCHASE of One (1) FIRE ENGINE from BANNER FIRE EQUIPMENT (E-One) in the Amount of \$589,835.00.

**BACKGROUND:** The 2019 Community Investment Plan is budgeted for \$600,000 and provides for the purchase of one (1) fire engine. This new fire engine will replace one (1) fire engine (1995 Spartan Smeal) that has 112,000 miles on it, is 24 years old, and is currently not running due to severe engine issues that would be too costly to repair.

Bids were solicited from an open bidding process with three (3) vendors responding. One vendor, KME, was eliminated from the process by the Fire Department Spec Committee due to their bid not meeting many of the requirements within the bid. This vendor was also rejected due to poor performance and the lack of ability to get replacement parts in a timely manner.

Although Banner Fire Equipment (E-One) was not the lowest bidder, the Fire Department Spec Committee recommends this purchase from E-One for the following reasons:

- The safety rating of the cab and the machine is higher.
- E-One was able to configure the cab to meet the department's needs, including compartment sizes and seating designs.
- E-One more closely met the expectations in matching the design spec.
- E-One is able to provide our desired pump panel, while Pierce is unwilling to install it.
- The stainless steel design was chosen to help combat the rusting problems we have had on the Pierce machines. This design allows the department the ability to remove the body from this machine in order to have the under carriage replaced, if needed, which will save money.

The bids received are as follows:

	E-One	KME	Pierce
Initial Price	\$596,585	\$556,883	\$551,450
Discount	\$15,650	\$12,762	\$17,206
Price After Discount	\$580,935	\$544,121	\$534,244
Stainless	\$8,900	\$4,800	\$8,292
Total Cost	<b>\$589,835</b>	<b>NOT CONSIDERED</b>	<b>\$543,173</b>
Delivery	Yes	No	Yes
Chassis	Typhoon	Predator	Enforcer
Wheelbase	186"	166"	165 1/2"
Inside Turn Radius	12.6'	NOT IN CONSIDERATION	13'
Curb to Curb Turn Radius	26' 2"	24' 8"	25' 8"
Wall to Wall Turn Radius	31' 2"	29' 4"	29' 11"
Cramp Angle	48 degrees	45 degrees	45 degrees

Gross Vehicle Weight	51,000	44,000	43,500
Frame	10-1/4" X 3-1/2" X 3/8"	10-1/4" X 4" X 3/8"	10-1/4" X 3-1/2" X .375"
Yield Strength	110 PSI	110 PSI	120,000 PSI
RBM	1,827,045	2,023,560	1,921,069
Bumper Extension	20"	20"	19"
Independent Front Suspension	Reyco Granning IFS	No	Tac-4
Gross Axle Weight Rating	24,000	20,000	18,000
Front Axle Warranty	3 years	5 years/2 years	3 years
Rear Axle Warranty	5 years	5 years	5 years
Front Tires	Michelin 385/65R/22.5	Michelin 315/80R/22.5	Goodyear 315/80R/22.5
Rear Tires	Michelin 385/12R/22.5	Michelin 315/11R/22.5	Goodyear 315/12R/22.5
Alternator	Leece-Neville	Delco Remy 430 Brushless	Leece-Neville
Fuel Tank	Alluminized	Steel	Stainless Steel
Transmission	EVS 3000 5 Speed	EVS 3000 6 Speed	EVS 3000 5 Speed
Seating Capacity	Yes	Yes	No- 2 rear SCBA seats
Cab Raise-Fluid Check	Yes	No	No
Door Thickness	3/16"	3/16"	.09"
Crew Cab Heights	55.25"	64"	64 1/2"
Fender Crowns	Brush Aluminum	NOT IN CONSIDERATION	Stainless Steel
Drivers Seat	Bostrom Sierra EX6 6 way electronic seat	NOT IN CONSIDERATION	PS6 Air Suspension
Crew Cab Heater	50,000 BTU Aux Heater with controls	NOT IN CONSIDERATION	2 Heaters at 44,000 BTU
EMS Cabinet Dimensions	36" wide x 20" deep x floor to ceiling Driver side	NOT IN CONSIDERATION	23" wide x 26 3/4 deep x 53" high Driver side
	36" wide x 20" deep x floor to ceiling Captain side	NOT IN CONSIDERATION	22" wide x 26 3/4 deep x 53" high Captain side
A/C Unit	19 cu inch compressor	NOT IN CONSIDERATION	13.1 cu inch compressor
Battery System	5 Battery System 40 amp charging	NOT IN CONSIDERATION	6 Battery System 75 amp charging
Tow Eyes	Tow Eyes in Back Compartment like current E-1	NOT IN CONSIDERATION	1 Tow loop under rear bumper reinforced properly
Front Inlet	Manual Front Inlet	NOT IN CONSIDERATION	Electric Front Inlet- If manual need to increase pump panel size
Crosslay	Divider Style	NOT IN CONSIDERATION	Clarification that style asked for is not conducive for use
Painting Guidelines	Dupont Emeron Red and White	NOT IN CONSIDERATION	Dupont Emeron can't be used- Provide high solid base/clear coat

The last three (3) machines purchased with the desired pump panel have worked much better than the previous machines. The pump panel is the side of the machine with levers that are used to pump water from the machine while fighting fires. The new pump panel adds an upfront cost to the machine, however we have found this new sealed cable system panel holds up to our ever changing weather conditions and the need to salt roadways. The previous panel systems would rust and become inoperable causing problems at emergency scenes and causing maintenance costs to increase.

The department currently has three (3) machines that have been purchased from E-One, and have found that their customer service and warranty needs have met and exceeded expectations.

**FINANCIAL IMPACT:** The cost of the fire engine is \$589,835 and is included in the Community Investment Plan 4012201-525404 (V1901) Fleet Replacement.

**NEIGHBORHOOD CONCERNS:** N/A

**IMPACT IF APPROVED:** The fire department will have less maintenance and repair expenses and a more reliable life-saving apparatus in their fleet.

**IMPACT IF DENIED:** Higher repair expenses due to the cost of repairing the current fire engine, as well as higher maintenance fees to the aging apparatus.

**ALTERNATIVES:** N/A

**EEO CERTIFICATION NUMBER:** 03125-200630

**WHICH OF THE GOALS IDENTIFIED IN THE COUNCIL'S 2017 - 2032 STRATEGIC PLAN DOES THIS RECOMMENDATION ADVANCE?**

1. Financially Sound City
2. Safe Peoria

**WHICH CRITICAL SUCCESS FACTOR(S) FROM THE COMPREHENSIVE PLAN DOES THIS RECOMMENDATION IMPLEMENT?**

1. Invest in our infrastructure and transportation.
2. Have an efficient government.

**DEPARTMENT:** Fire

