HIAWATHA FIRE-RESCUE

MEMORANDUM

TO: MAYOR, HIAWATHA CITY COUNCIL, CITY STAFF

FROM: MIKE NESSLAGE, FIRE CHIEF

SUBJECT: AMBULANCE REPLACEMENT/REMOUNT

DATE: 8/1/2019

I am writing for approval to replace the existing 2008 Ford Ambulance, known as M8. This evening on your agenda is an item to approve $127,066 to Klocke Emergency Vehicles (dealer for Lifeline Emergency Vehicles). There is $175,000 allocated in the Capital Improvement Plan for this purpose. M8 was purchased in March of 2008 for $122,705. and has been in service for 11 years. It has 75,448 miles on it as of this writing. Most significantly, we have spent $30,309 in maintenance on it, including more than $11,000 in 2017 and $5,927 so far this year.

We are proposing to do a "remount". This consist of returning the unit to the manufacturer. They proceed by taking the patient compartment or "box" off of the chassis. The box is then remodeled and brought up to date, consistent with the last ambulance we bought. This includes updating the lighting, the multiplex electrical system, HVAC, and seating to improve safety. The exterior is also repainted and lighting is updated. The box is then remounted on a new chassis. In this case, a 2019 Ford E-450 with a gasoline engine. Essentially, they use the base components of the box to build us a new ambulance. The cost of a new ambulance built nearly identically, is $170,083. By remounting, we are saving the City $43,017.

We are using Lifeline Emergency Vehicles to complete this project. They built the original unit, and are familiar with the interface between the new units. Using another ambulance vendor would create compatibility issues that could affect us for the life of the unit, particularly with the electrical components. The vehicle should meet or exceed federal specification KKK-A-1822E, Federal Motor Vehicle Safety Standards (F.M.V.S.S.), National Truck Equipment Association (N.T.E.A) Ambulance Manufacturers Division (A.M.D.) standards and Ford Qualified Vehicle Modifier (Q.V.M.) Program Truck Guidelines. A non-ambulance vendor, such as an RV or truck builder, would not be able to meet those requirements. We chose the Ford because the box was originally designed to fit on a Ford Chassis. Putting the box on a Chevy Chassis would require additional changes including space changes on the interior, increasing the price at least $6,000. It's important to mention that the chassis used is designed to be an ambulance. A normal van chassis would not meet the criteria above.

As stated above, the cost of the remount is $127,066. These numbers do not include all the graphics, which will be done locally by Banacom for $1,850, and radio work done by Racom for apx $1,800. This price also does not include the cot. We will return to you at a later date for approval of the cot and loading system, pending the outcome of grants we applied for.

The dealer will provide us with a loaner unit while ours is gone, if we choose. The turnaround time for the remount is approximately 2 months. The currently have start dates available in September, October, and November. Thank you for your consideration of this request.

	Quote for: Hiawatha, IA	
	Dealer: Klocke's Emergency Vehicles / Dalton Jacobson	
	Serial # 241008SD	
	Remount Quote	**Each Cost**
	Date: 06-19-2019 Revised: 7/03/2019	
	00-03-0600 Base Remount	$59,750.00
	10-00-1501 Chassis: 2019 E-450 SD Cutaway Van	$36,394.00
	Ford GPC Fleet Discount	-$5,900.00
	Life Line Keeping Chassis	
	Exterior:	
1	Std Remount Items Replaced	INC
2	Whelen LED Side Scene Lights (LED 900 Series)	$1,456.00
3	Whelen M6 LED Rear Back-Up Lights (Mounted above the rear doors like unit #3903)	$222.00
4	Set of Velvac Heated/Motorized Mirrors	$650.00
5	New Federal Siren Speakers in the Bumper Wings	$275.00
6	Change Light Bar Lights To LED's	INC
7	Tecniq LED Compartment Strip Lights (7)	$1,001.00
8	3" Round Super LED Surface Mounted Compartment Door Flashing Lights (7)	$483.00
9	Hidden Switch In Rear License Plate Housing	$125.00
10	(2) New 600 Series Back Up Lights	$222.00
	Interior:	
1	Std Remount Items Replaced	INC
2	New Elite G3 (Touch Screen) Electrical System	$11,945.00
3	Add Elite G3 Touch Pad on Squad Bench Side	$750.00
4	EVS Child Safety Seat on EVS Pedestal/Swivel Base	$843.00
5	Intellitec Clock in Rear	$275.00
6	TecNiq LED Dome Lights (8)	INC
7	Ducted ProAir Center Mounted Heat/AC Location ILOS	$1,600.00
8	Change Squad Bench To Match Last Unit #3903 w/ Valor Mount System	$11,750.00
9	Need (2) Drawers Instead of Sliding Poly Doors Where Smithworks Is Located (See Pic.)	$800.00
10	Delete Box on Left Rear Door (See Pic.) Ship Loose	N/C
11	Add Side Facing CPR Seat w/4 point harness / Includes Removing back of CPR wall, and	$1,100.00
	adding tubes, then finishing off.	
12	Recessed Glove (Three) Box Storage In Side Door Cushion Area	$225.00
	Paint & Lettering:	
1	Lower Cab & Module Painted 2-Tone (50/50 Design) Match to Unit #3903	$1,300.00
2	Delete Standard Beltline Stripe	N/C
3	Delete Standard Edge Pinstripe	N/C
4	Install Roof "SOL" Decal Only (Delete All Other Decals)	INC
5	Add Rear Chevrons to Full Back Wall & Doors 6" Two Colors	$1800.00
	Grand Total	$127,066.00
	"Pricing Good 60 Days After Quoting" SJ	

Hiawatha Fire Department Ambulance Unit Maintenance Cost.

Code #	Description Purchase Date Mileage	Purchase Cost	Maint Prior to 2016	Maint 2016	Maint 2017	Maint 2018	Maint 2019	Lifetime Maint Cost
M05	Ford E450/Lifeline 5/1/2005 71717	$ 104,775.00	$ 17,296.13	Sold June 2016				$ 17,296.13
M08	Ford E450/Life Line 3/3/2008 74527	$ 122,705.00	$ 5,889.37	$ 196.95	$ 11,334.00	$ 586.36	$ 5,927.22	$ 30,309.16
M12	Chevy E4500/Life Line 3/14/2012 50870	$ 149,645.00	$ -	$ 5,198.93*	$ 1,013.19	$ 536.86	$ 3,199.27	$ 9,948.25
M16	Chevy E4500/Life Line 5/18/2016 22535	$ 169,968.00		$ -	$ 12.50	$ 39.43	$ 89.99	$ 141.92

- Not all cost captured. In house repairs, and oil/service for example.
- * M12 2016 Maintenance cost includes $4,669 from collision with deer.

DRAFT

RESOLUTION NO. 19-
City Council

RESOLUTION AUTHORIZING THE FIRE DEPARTMENT TO PROCEED WITH THE REMOUNT OF THE 2008 FORD AMBULANCE (M8) THROUGH LIFELINE EMERGENCY VEHICLES

WHEREAS, the Hiawatha Fire Department/Ambulance Service has a need to replace the existing 2008 Ford Ambulance Unit M8, and

WHEREAS, the City Council deems it necessary to replace and update the ambulance service equipment to keep up with the growing needs for service throughout the community, and

WHEREAS, The Hiawatha Fire Department/Ambulance Service proposes a "remount" of M8; utilizing base components of the box to build a new ambualnce, and

WHEREAS, the Hiawatha Fire Department/Ambulance Service requests authorization to proceed with the remounting through the preferred vendor, Lifeline Emergency Vehicles, as Lifeline Emergency Vehicles built the original M8 unit and are familiar with the interface between the new units and the required fedreal specifications, and

WHEREAS, the City Council deems it necessary to remount Unit M8 a 2008 Ford ambulance to provide an up to date and reliable primary unit ambulance to service the community, and

WHEREAS, the box will then be remodeled and brought up to date consistent with the current federal specifications. This includes updating the lighting, the multiplex electrical system, HVAC, and seating to improve safety. The box will then be remounted on a new chasis, and

WHEREAS, the estamatied cost of the remount through Lifeline Emergency Vehicles is $127,066.00, and funding in the amount of $175,000.00 was previously bonded for the purchase of an ambulance, and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, to authorize the remounting of the 2008 Ford Ambulance (M8) directly with the preferred vendor, Lifeline Emergency Vehicles of Sumner, Iowa, rather than selecting through the bidding process. This would utilize funds bonded for in Captital Projects Fund in an amount not to exceed $127,066.00.

AYES:
NAYS:

PASSED AND APPROVED this 7th day of August, 2019

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Bill Bennett, Mayor

ATTEST:

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Amy Scheer, Deputy City Clerk