

# Memorandum

City of Lawrence  
Fire Medical

**TO:** David Corliss, City Manager  
**FROM:** Mark Bradford, Chief  
**Date:** May 3, 2010  
**RE:** Extrication Equipment Purchase – Capital Equipment

## **Introduction**

The department initiated an evaluation process of hydraulic rescue equipment in 2009. Five manufactures evaluation included compatibility to present system, operations warranty, maintenance requirements, and cost. The equipment made by Genesis were selected and the department purchased a power unit, spreader, large cutter, large and small ram, and hoses which were all placed on Rescue 5. The department currently has ten sets of hydraulic rescue equipment made by Phoenix and Hurst, along with 10 sets of lift bags made by Vetter and Hurst and positions one set of each on every medic unit. These units were purchased approximately 8 – 10 years ago. There reliability and cost of maintenance have far exceeded their operations life and have become inefficient.

Response statistics indicate fewer numbers of this specialized equipment are needed to meet the mission of extrication and rescue. This fact, along with the age and condition of the equipment carried on the medic units necessitates a change in numbers and which apparatus it is located on.

## **Phased Purchase**

This proposal expands the initial implementation in 2009 and has several purchase options. These options are ranked by priority and are:

1. Purchase a lift bag system consisting of a pressure regulator, controller, hoses, and lift bags of various sizes for Rescue 5. Several manufacturers will be evaluated. Prices listed are from *Paratech* whose strut system is currently used by the department allowing use of compatible equipment.

QTY	DESCRIPTION	AMOUNT
1	Paratech Control Package	1,157.81
1	Paratech Lift Bag Kit Model 92	6,754.69
1	Paratech Lift Bag KPI-44	1,523.44
1	Paratech Lift Bag KPI-74	2,179.69
		<b>11,615.63</b>

2. Purchase a *Genesis* power unit, combination tool (cutter/spreader) and hose for a quick response vehicle (Utility). This places hydraulic rescue equipment allows availability of the equipment during times of simultaneous incidents or when Rescue 5 is involved at prolonged operations.

QTY	DESCRIPTION	AMOUNT
1	M1X OSC Mini Pump (Honda)	3,668.14
1	16c Brute Vario Combination Tool	4,907.08
1	30' Extension Hose	805.31
		<b>9,380.53</b>

### **Sole Source Request**

We currently have Paratech and Genesis equipment and are not interchangeable with other manufactures equipment. The connections, operating fluids and operating capacities do not allow for operations with other brands.

### **Program Funding**

Our departments approved FY 2010 Capital Equipment request allocated \$60,500 for the purchase of extrication equipment. I have phased this program request and will monitor our expenditures and make additional requests later in the FY depending on our expenditure levels and revenue income.

### **Action Request**

Fire Medical Department staff requests the approval for the following:

- Purchase:
  - Purchase Phase 1 extrication equipment from Paratech in the amount of \$11,615.63;
  - Purchase Phase 2 extrication equipment from Genesis in the amount of \$9,380.53