



**CITY of NOVI CITY COUNCIL**

**Agenda Item E  
July 25, 2016**

**SUBJECT: Approval to purchase hydraulic extrication tools for the Novi Fire Department from Apollo Fire Equipment Company, the sole source provider in Michigan, in the amount of \$19,000.**

**SUBMITTING DEPARTMENT:** Public Safety - Fire *Dem*

**CITY MANAGER APPROVAL:** *RA*

<b>EXPENDITURE REQUIRED</b>	<b>\$19,000</b>
<b>AMOUNT BUDGETED</b>	<b>\$21,840</b>
<b>APPROPRIATION REQUIRED</b>	<b>N/A</b>
<b>LINE ITEM NUMBER</b>	<b>101-337.00-982.000</b>

**BACKGROUND INFORMATION:**

As part of the 2016-17 Budget, funds were approved for the purchase of hydraulic extrication tools. The hydraulic extrication tools are used for the removal of victims trapped in motor vehicles. The new technology from Hurst offers hoseless technology that allows the tools to be limitless in their capabilities and usefulness to assist with a wider range of rescue situations. The extrication tools being requested are; the new Hurst eDraulic SC 757E2 Combi Tool Spreader/Cutter and the Ram R421E2 telescoping Ram package. These tools eliminate the need for a hydraulic power unit and hoses giving you tools that are stronger, lighter and easier to use. The eDraulic tools utilize batteries to operate them, eliminating the problem of Carbon Monoxide from the gasoline combustion power units. The units now become self-contained giving the freedom to take and place the unit in any situation or space.

The tools will be stored and used on Engine 1. Engine 1 is first due on many of the City's major roadways in which these tools would be utilized. Engine 1 is also the primary response apparatus to specialized rescues throughout the city increasing the intrinsic value of the tools. The current tools on Engine 1 are approximately twelve years old. Due to the new technology in automobiles and the materials used in their production to increase safety of the occupants, older tools are not apt to cut through these high strength steel material as effective and efficiently.

The purchase will be made through Apollo Fire Equipment, the sole source provider of Hurst equipment in Michigan.

**RECOMMENDED ACTION: Approval to purchase hydraulic extrication tools for the Novi Fire Department from Apollo Fire Equipment Company, the sole source provider in Michigan, in the amount of \$19,000.**

	<b>1</b>	<b>2</b>	<b>Y</b>	<b>N</b>
<b>Mayor Gatt</b>				
<b>Mayor Pro Tem Staudt</b>				
<b>Council Member Burke</b>				
<b>Council Member Casey</b>				

	<b>1</b>	<b>2</b>	<b>Y</b>	<b>N</b>
<b>Council Member Markham</b>				
<b>Council Member Mutch</b>				
<b>Council Member Wrobel</b>				

# MEMORANDUM



**TO:** JEFF JOHNSON, DIRECTOR OF FIRE/EMS  
**FROM:** SCOTT PERRY, FIRE PROTECTION OFFICER  
**SUBJECT:** BUDGET REQUEST FOR EXTRICATION TOOLS FOR ENGINE 1  
**DATE:** JUNE 23, 2016

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The hydraulic extrication tools are used for the removal of victims trapped in motor vehicles. The new technology from Hurst offers hoseless technology that allows the tools to be limitless in their capabilities and usefulness to assist with a wider range of rescue situations. The extrication tools being requested are; the new Hurst eDraulic SC 757E2 Combi Tool Spreader/Cutter and the Ram R421E2 telescoping Ram package. These tools eliminate the need for a hydraulic power unit and hoses giving you tools that are stronger, lighter and easier to use. The eDraulic tools utilize batteries to operate them, eliminating the problem of Carbon Monoxide from the gasoline combustion power units. The units now become self-contained giving the freedom to take and place the unit in any situation or space.

The tools will be stored and used on Engine 1. Engine 1 is first due on many of the City's major roadways in which these tools would be utilized. Engine 1 is also the primary response apparatus to specialized rescues throughout the city increasing the intrinsic value of the tools. The current tools on Engine 1 are approximately twelve years old. Due to the new technology in automobiles and the materials used in their production to increase safety of the occupants, older tools are not apt to cut through these high strength steel material as effective and efficiently.

The Novi City Council always strives to provide the fire department with the best and latest equipment available. One of the main functions of city government is to keep citizens safe. This requested extrication equipment meets that commitment.

The life cycle of these new eDraulic units are estimated at ten years. This is due to the technology of the batteries that power the units.

There is very little operation costs after the initial purchase. Any additional costs would be expensed through the normal operation budget.



FIRE EQUIPMENT COMPANY  
FIRE APPARATUS REPAIR, INC.

**ORDER**  
**QUOTATION**

QUOTATION NO. 20482  
DATE 6/8/16  
TERMS Net 30  
F.O.B. Delivered  
QUOTE VALID FOR 120 DAYS.  
PROJECTED DELIVERY DATE 30-60 days

Novi FD.  
Attn: Scott Perry

248-735-5645

CUSTOMER PHONE 517 861 9065 FAX: \_\_\_\_\_ EMAIL: sperry@cityofnovi.org

QUANTITY	PART NO.	DESCRIPTION	PRICE EACH	TOTAL AMT.
1	3622542	Hurst Electric SC757E2 combi tool pkg		10,100
1	274085000	" " R421E2 ram pkg		7000
2	272085412	AC/DC converter packs	625	1250
1	247R028	Quick Kick Ram Support		650
				<u>19,000</u>
Note: MSRP of above equipment is \$23,915				

**1-800-626-7783**

FAX: (586) 752-6907

12584 LAKESHORE DRIVE, ROMEO, MI 48065

BY X



HURST Jaws of Life, Inc.  
711 North Post Road  
Shelby, NC 28150  
www.jawsoflife.com



Dinglee  
Hurst  
Lukas  
Vetter

June 21, 2016

Novi Fire Department  
Attn: Captain John Martin  
42975 Grand River Avenue  
Novi, MI 48375

This will confirm that, as of the date hereof, the following Hurst dealer is the only Hurst dealer whose sales territory for Hurst® Low Pressure (5,000 PSI), Hurst® High Pressure (10,000 PSI) and Hurst® eDRAULIC™ rescue equipment includes the County of Oakland in the State of Michigan and whose personnel have been factory trained and certified by Hurst Jaws of Life, Inc. on operation, maintenance and service and are approved by Hurst Jaws of Life, Inc. to perform warranty repairs, warranty required annual maintenance and other service on Hurst Low Pressure (5,000 PSI), Hurst High Pressure (10,000 PSI) and Hurst eDRAULIC rescue equipment:

**Apollo Fire Equipment Company**  
**Romeo, MI 48065**  
**Phone Number: 1-800-626-7783**  
**Fax Number: 586-752-6907**

Thank you for your interest in our rescue equipment. Feel free to contact us at 1-800-537-2659 or 704-487-6961 should you have any further questions or concerns.

Sincerely,

Mike Canon  
Director of Rescue Sales  
Hurst Jaws of Life, Inc.

ADG

Cc: Tim Shott, Midwest Regional Sales Manager, Hurst Jaws of Life, Inc.



The SC 757E2 combi tool is the single most powerful battery combination tool on the rescue market. And that's only half the story, because it also has the largest spread and best cut rating. Simply put, it is the best battery combi tool out there... bar none.

#### Features and Benefits:

- Perfect for police, military, and rescue/disaster management teams
- Fast opening and closing action for increased speed during time-critical rescues
- Detachable tips achieve better cutting efficiency and eliminate squeezing of material between spreading tips
- Cutting blade surface is taken to the end of the blade, allowing for a more aggressive blade geometry
- "Shark Tooth" removable tips offer multifunctional design, with four rows of shark-like teeth for maximum performance and gripping
- Ergonomically designed star-grip permits tool actuation from almost any gripping position
- Each tool comes with two Li-Ion rechargeable batteries and one charger
  - If needed, you can plug it in for limitless power with a 110v adaptor



#### Technical Specifications:

- Length: 40.7 in / 1,033 mm
- Width: 11.6 in / 294 mm
- Height: 11.2 in / 285 mm
- Weight: 52.9 lbs / 24 kg
- Spreading Distance: 17.7 in / 450 mm
- Max Spread Force: 292,000 lbs / 1,300 kN
- NFPA HSF: 11,000 lbs / 49 kN
- NFPA LSF: 8,770 lbs / 39 kN
- NFPA HPF: 14,800 lbs / 66 kN
- NFPA LPF: 10,800 lbs / 48 kN
- NFPA Cutter Rating: A8/B9/C8/D9/E9
- Cutter Opening: 14.5 in / 369 mm
- NFPA 1936 2015 Compliant: Yes
- IP Rating: IP54



R 421E2  
RAM  
part #: 274085000

### Extends up to 53"

The R 421E2 is the industry's only battery-powered telescopic rescue. And while it is extremely compact, it offers enough strength to pack a powerful wallop. The newly designed, sharp claws at both ends can be rotated 360°, enabling you to apply the ram effectively in almost any precarious situation.

#### Features and Benefits:

- Ergonomically designed star-grip permits tool actuation from almost any gripping position.
- Weighs only 41.9 pounds, making it easy to maneuver.
- Extended length of 53.0 in., giving you a wider rescue opening.
- Each tool comes with two Li-Ion rechargeable batteries and one charger.



#### Technical Specifications:

- Length Retracted: 23.5in/597mm
- Length Extended: 53.0in/1347mm
- Width: 5.3in/135mm
- Height: 12.3 in/313mm
- Weight: 41.9lbs/19kg
- Stroke: Piston 1: 15.2in/387 mm  
Piston 2: 14.3in/363mm  
Overall 29.5in/750mm
- Max Pushing Force: Piston 1: 28,600lbs/127kN  
Piston 2: 13,500lbs/60kN
- NFPA 1936 2015 Compliant: Yes



800.537.2659 • 711 N. Post Road • Shelby, NC 28150

[www.JAWSOFLIFE.com](http://www.JAWSOFLIFE.com)

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