



# CITY of NOVI CITY COUNCIL

**Agenda Item I  
August 29, 2016**

**SUBJECT:** Approval to award a sole source procurement for the repair and upgrade of two (2) in-ground vehicle lift assemblies to Allied, Inc., the proprietary Rotary Lift provider in southeast Michigan, in the amount of \$82,729.

**SUBMITTING DEPARTMENT:** Department of Public Services – Field Operations Division

*(Handwritten initials)*

**CITY MANAGER APPROVAL:** *(Handwritten signature)*

EXPENDITURE REQUIRED	\$82,729
AMOUNT BUDGETED	\$83,000
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	101-442.20-982.008

**BACKGROUND INFORMATION:**

The approved FY 16/17 budget includes funding for repair of one of the two in-ground lift systems at the Department of Public Services' garage. The lift systems are 31 years old and used daily to elevate vehicles and various pieces of equipment to enable mechanics to perform underbody maintenance.

This project will involve work on the westernmost lift and include the removal of the middle and rear lift cylinders, the surrounding concrete and casing, and some of the hydraulics. Three new higher capacity replacement cylinders will be installed (two that would support the middle axle and one on the rear), increasing the system's lifting capacity to a total of 61,000 pounds from its current rating of 54,000 pounds. Increased system capacity will allow mechanics to work on trucks loaded with salt during snow storms, and pickup select fire apparatuses for repair when needed. Currently, neither of these actions can be performed without unloading inoperable trucks or emptying water out of fire trucks.

It is estimated that the repair of the system will begin within 30 days of award and be completed by early November. A portable above ground lift system will be used to service large vehicles while work is being performed on the in-ground equipment.

**RECOMMENDED ACTION:** Approval to award a sole source procurement for the repair and upgrade of two (2) in-ground vehicle lift assemblies to Allied, Inc., the proprietary Rotary Lift provider in southeast Michigan, in the amount of \$82,729.

	1	2	Y	N
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Burke				
Council Member Casey				

	1	2	Y	N
Council Member Markham				
Council Member Mutch				
Council Member Wrobel				

## Current System



## New Three Cylinder Rear Axle Support System



# ALLIED INC

240 METTY DRIVE PO Box 988  
Ann Arbor, Michigan 48103  
ph 734-665-4419 fax 734-665-0599

July 27, 2016

City Of Novi  
Department Of Public Services  
26300 Lee BeGole Drive  
Novi, Michigan 48375

Sirs,

We are pleased to submit the following estimate for your consideration:

Replacement of the center and rear lifting assemblies of (1) existing Weaver EC106-3FA triple post lift.

The center replacement assembly to include (2) 10.5" cylinder assemblies with Rotary protective coating, rear framework housing, lifting saddle with adapters, and lift lock assemblies.

The rear replacement assembly to include (1) 10.5" cylinder assembly with Rotary protective coating, rear channel framework with covers, hydraulic valve, hydraulic cylinder movement mechanism, lifting saddle with adapters, and lift lock assemblies. The existing pit to be modified to accept the special EFR section and allow the lifting saddle to be recessed below the floor grade in a recessed pocket.

The replacement cylinder assemblies to be capable of 25,000 lb. lifting capacity @ 350 psi, and be manufactured by Rotary Lift. (When used with the existing pumping system, the units will be capable of lifting 18,000 lb each @ 250 psi.).

The additional hydraulic fluid displacement requirement will require an auxiliary reservoir to be mounted adjacent to, and connected to the existing pumping unit.

Installation includes saw cut floor, remove concrete, excavation, set replacement cylinder assemblies and framework, pea stone backfill, pour removed concrete floor section, all assembly, refill with hydraulic fluid as required, and check for proper operation. The main section of the rear pit will be reused.

**Total Material And Installation.....\$80,985.00**

Optional: (2) Sets flat pad lifting adapters.

**Total Material Add To Base.....\$872.00 Per Set**

The existing front cylinder assembly, framework, valves, all internal and external hydraulic piping and pipe trench will not be modified and reused in it's current configuration.

The removal of the existing stationary assembly is based on the assumption that the existing installation is in accordance with the manufacturer's recommendation regarding concrete placement and depth. Any condition contrary to this must be evaluated at the time of it's discovery, and any overage will be charged on a time and material basis.

This estimate does not include disposal of removed hydraulic fluid, or potentially contaminated excavated material, or include any other repairs found necessary.

The above proposal is based on normal and non hazardous soil conditions and on the assumption that there are no underground utility lines, containers, pipes, objects, conduits, other obstructions, or any unforeseen conditions. It is the responsibility of the owner for locating and identifying any such utility lines, containers, pipes, objects or obstructions and for calling them to our attention. Further, if (a) any underground obstructions or impediments or other unforeseen or abnormal conditions are encountered that would delay excavation or assembly, such as junk fill, rock, rock-like strata, old foundations, frost, contaminants, water pipes, drains, sewer lines or other crotch work, electric lines or conduit , gas, air or oil lines, or other utility lines, or (b) any conditions are encountered that would cause (1) cave-ins, or necessitate the pumping of water or additional forming and/or fill, such as sand or water or water/sand, in order to complete specified installation; then the additional charges will be made on a time and material basis.

Terms: Net 10<sup>th</sup> prox on progress  
Delivery: FOB Novi, MI. – Prepaid Freight  
Tax: Plus Michigan sales tax is applicable

If there are any questions regarding this matter, or if we may be of any assistance, please contact us at your convenience.

Sincerely,  
**Thomas Clark**  
Thomas Clark  
Sales Manager