

**VILLAGE OF DOWNERS GROVE**  
**Report for the Village Council Meeting**  
**3/22/2016**

<b>SUBJECT:</b>	<b>SUBMITTED BY:</b>
Change Order – Water System Leak Detection Services	Nan Newlon Director of Public Works

**SYNOPSIS**

A motion is requested to authorize a change order to an existing three-year contract for Water System Leak Detection Services with M.E. Simpson Co., Inc. of Valparaiso, Indiana in the amount of \$18,000.

**STRATEGIC PLAN ALIGNMENT**

The goals for 2015-2017 include *Exceptional Municipal Services*.

**FISCAL IMPACT**

This proposed change order would increase the existing contract amount from \$135,840 to \$153,840. Sufficient budget authority exists in the FY16 Water Fund to accommodate this change.

**RECOMMENDATION**

Approval on the March 22, 2016 consent agenda.

**BACKGROUND**

In September 2014, the Village awarded a three-year contract to M.E. Simpson, Co., Inc. of Valparaiso, Indiana in the amount of \$135,840 for water system leak detection services. The contract's scope of work consists of two main components:

- Annual system-wide proactive survey to locate subsurface water leaks, and
- Site-specific on-call leak detection services in response to possible watermain breaks.

The Village has contracted for site specific on-call detection services for many years and these services are used to determine if a leak exists and to help pin-point the location of a leak. There are instances where potential water system leaks are reported to the Village that are not watermain breaks or leaks. By determining the source of the water through leak detection services, unnecessary excavations and the costs associated with them are avoided. If it is determined that a system leak exists (either through leak detection service or staff observation) and it is not readily apparent the exact location of the leak, leak detection services help to pin-point the location. Main breaks under the pavement are more difficult to find than leaks in turfed areas and frozen ground can cause water to surface far away from the actual source of the main

break or leak. Pin-pointing the location of the break results in cost savings and reduces the time water is shut off, inconveniencing residential and commercial water customers.

The amount included in the contract for these services was based upon historic costs for this work. On average, on-call leak detection services have been used for 40% of the water main breaks that occur. During the past year these services were used for approximately 60% of the water main breaks that occurred. This was a result of many factors such as the number of suspected leaks and the location of water main breaks.

Excavating one incorrect location costs approximately \$1,000 - \$2,000 in overtime and fuel while the cost for emergency leak detection services is a per occurrence price that varies from \$375 to \$500 for the first hour, and \$195 to \$215 for each additional hour depending on whether the call is made during regular business hours or after hours. The original contract allowed a total of \$24,000 for on-call leak locating services. Through 2015, \$21,755 was used for this service, leaving \$2,245 on the contract for the 2016.

The proposed change order will authorize the payment for additional services necessary from the existing M.E. Simpson contract for the remainder of 2016. These services will only be authorized by staff in response to suspected watermain breaks and leaks.

## **ATTACHMENTS**

Proposed Change Order #1

VILLAGE OF DOWNERS GROVE  
COUNCIL ACTION SUMMARY

INITIATED: Public Works DATE: March 22, 2016  
(Name)

RECOMMENDATION FROM: \_\_\_\_\_ FILE REF: \_\_\_\_\_  
(Board or Department)

**NATURE OF ACTION:**

**STEPS NEEDED TO IMPLEMENT ACTION:**

- Ordinance
- Resolution
- Motion
- Other

Motion to authorize a change order to M.E. Simpson Co., Inc. under the Water System Leak Detection Service contract in the amount of \$18,000 for additional site-specific on-call leak detection services.

**SUMMARY OF ITEM:**

Adoption of this motion shall authorize a change order to M.E. Simpson Co., Inc. under the Water System Leak Detection Service contract in the amount of \$18,000 for additional site-specific on-call leak detection services.

**RECORD OF ACTION TAKEN:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## Village of Downers Grove Change Order

**Project Name:** Water Distribution System Leak Detection Services **Date:** 3/2/2016  
**Project No:** **No:** 1  
**Contractor:** M.E. Simpson Co., Inc. pw30.00976

**You are directed to make the following changes to this contract:**

Increase contract amount to cover emergency leak detection costs for FY2016. Emergency leak detection services are used on an as needed basis and are agreed upon in the contract at an hourly rate.

The original contract sum was:.....	(1)	\$ 135,840.00
Net amount of previous change orders:.....	(2)	\$ -
Current contract amount (1) + (2):.....	(3)	\$ 135,840.00
This Proposed Change Order:.....	(4)	\$ 18,000.00
Proposed Revised Contract Amount (3) + (4):.....	(5)	\$ 153,840.00

Net of Change Orders Pending Approval (2) + (4): \$ 18,000.00

Budget Estimate:..... \$10,565.00

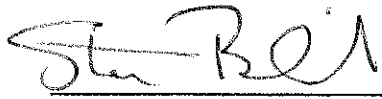
Original Completion Date:..... N/A

Time Extension or Reduction:..... N/A

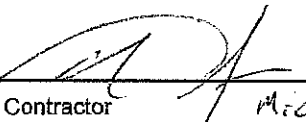
Total Contract Time (Pending Approval):..... N/A

**RECOMMENDED FOR ACCEPTANCE:**

**APPROVED:**

 3/4/16  
 Asst. Dir. of PW Date

Village Manager Date  
 Director of Public Works

 LEO 03-04-16  
 Contractor Michael D. Simpson Date

It is understood that as part of this change order that the Contractor agrees that all bonds, permits, insurance, and guarantees are hereby extended to incorporate this Change Order.