

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda

 X Resolution or Ordinance (Blue) _____ Waiver of First Requested

Recommendations of Boards, Commissions & Committees (Green)
Other Business (Pink)

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: Scott Niehaus, Village Manager

DATE: October 14, 2021 (COW) (B of T) **Date:** October 21, 2021

TITLE: Well #7 Emergency Inspection, Cleaning, and Repair
Change Order No. 1

SUBMITTED BY: Brian Jack, Utilities Superintendent 

BACKGROUND/POLICY IMPLICATIONS:

Change Order No. 1 is a net increase of \$11,860.00. The change order represents additional work to free the pumping equipment.

FISCAL IMPACT/FUNDING SOURCE:

Project #: RM PROG 32
Budget Amount: \$20,000
Current Contract Amount: \$16,340.00
Change Order #1: \$11,860.00
Total Revised Contract Amount: \$28,200.00
PO #: 2021-00002171

Review (as necessary):

Village Attorney X _____ Date _____

Finance Director X _____ Date _____

Village Manager X _____ Date _____

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda Distribution.



MEMORANDUM

To: Scot Niehaus, Village Manager
From: Brian Jack, Utilities Superintendent *Bj*
Through: Carl Goldsmith, Director of Public Works *CJ*
Date: October 14, 2021
Subject: Change Order #1
Well #7 Emergency Inspection, Cleaning and Repair
Water Well Solutions

Background

The Village awarded a contract under the Village Manager's approval on August 5, 2021 in the amount of \$16,340.00 for the removal and inspection of the pump and well column piping of Well #7.

This well is one of three emergency back-up wells for potable water in the event that the DuPage Water Commission is not able to provide the Village water.

Water Well Solutions (WWS) was contracted by the Village of Lombard to pull Well No. 7 for preventative maintenance. After several attempts at pulling the pump, which included mobilizing multiple pump hoists and aid of 100,000lbs hydraulic jacks, the pumping equipment can only be lifted a couple inches. In total, WWS put more than 150,000lbs of pull back on the pumping equipment which should weigh less than 60,000lbs. WWS attempts thus far to remove the pumping equipment has not been successful. A camera was used for video inspection alongside the pumping equipment to identify what may have caused the pumping equipment to become stuck. The video inspection was unsuccessful as only a few hundred feet were able to be inspected before the camera became stuck. It is assumed that the cause for the camera to become lodged is also part of the issue preventing the removal of the pumping equipment most likely due to the well collapsing in and around the pumping equipment.

Staff is seeking approval for Change Order #1 in the amount of \$11,860.00 to include the additional work already completed to free the pumping equipment (\$8,160.00) and an additional proposed work to attempt to free the obstruction (\$3,700) for a total change order of \$11,860.00. This would bring the total contract to \$28,200.00.

The final attempt to remove the pump, WWS will cut off the well head, hook onto the column pipe and attempt to lower the well down into the casing pipe. This hopes to allow the obstruction to break free and loosen whatever is restricting removal of the

pump and column pipe. If these efforts do not work, the next step would be to abandon and cap the well in place. DuPage County Health Department, the IEPA and the Village would work together to successfully cap the well.

Recommendations:

The Water Treatment and Wastewater Pumping Division requests that we approve an amendment to the contract for an additional \$11,860.00 for the Well #7 Emergency Inspection, Cleaning and Repair to Water Well Solutions of Elburn, IL and authorize an increase in the purchase order by \$11,860.00 bringing the total amount of the purchase order to \$28,200.00. Sufficient funds for this procurement exist in the current budget under account: CIP # 520.790.715.75420 - RM PROG 32 Water Maintenance and Improvements.

RESOLUTION

R _____

A RESOLUTION AUTHORIZING A CHANGE ORDER INVOLVING AN INCREASE IN THE DOLLAR AMOUNT OF THE CONTRACT OF \$10,000 OR MORE

WHEREAS, pursuant to Illinois Compiled Statutes, Chapter 720, Section 5/33E-9, units of local government are required to make specific findings prior to authorizing any change order relative to a contract which would increase or decrease the dollar amount of the contract by \$10,000 or more, or would extend or shorten the time in which the contract is to be completed by thirty days or more; and

WHEREAS, staff has presented and recommended the proposed Change Order No. 1 to the contract between the Village of Lombard and Water Well Solutions, LLC. regarding Well #7 Emergency Inspection, Cleaning, and Repairs, as attached hereto as Exhibit "A" and made part hereof, to the Corporate Authorities of the Village of Lombard; and

WHEREAS, said change order attached hereto as Exhibit "A" would increase the dollar amount of the contract by \$11,860.00.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: That after reviewing the explanation of staff as to the necessity of and reasons for the change order attached hereto as Exhibit "A", the President and Board of Trustees find as follows:

- A. That the circumstances which necessitated said change order were not reasonably foreseeable at the time the contract was entered into.
- B. That the basis of the change order was not within the contemplation of the contract when the contract was signed.
- C. That it is in the best interests of the Village of Lombard to approve the change order in its proposed form.
- D. That to the extent that it may have been necessary to go to bid relative to the work contemplated by said change order, bidding is hereby specifically waived as to the change order work.

SECTION 2: That having made the findings set forth in Section 1 above, the President and Board of Trustees hereby approve the change order attached hereto as Exhibit "A", and direct and authorize the Village President and Village Clerk to execute said change order on behalf of the Village.

Adopted this _____ day of _____, 2021.

Ayes: _____

Nays: _____

Absent: _____

Approved this _____ day of _____, 2021.

Keith T. Giagnorio
Village President

ATTEST:

Elizabeth Brezinski
Village Clerk

APPROVAL AS TO FORM:

Thomas P. Bayer
Village Attorney



October 8, 2021

Lukas Sharp
 Village of Lombard
 255 E. Wilson Ave.
 Lombard, IL 60148

RE: WELL NO. 7 PULL & INSPECTION PROPOSAL:

Dear Mr. Sharp:

Our records indicate that Well No. 7 consists of a 350Hp Bryon Jackson, 4 pole, 2300v, type "M" mechanical sealed motor set 1008ft on 8" T&C epoxy coated column pipe. Our inspection last week indicated a potential hole in the column pipe which is causing the loss in pump age. We recommend pulling the pumping equipment for inspection at this time to determine where the hole(s) may be located and replaced with new pipe.

Project Scope Well No. 7:

Our July 28, 2021, proposal assumed that there is not an unknown downhole condition of either the well or pump that would prevent their removal from the well in a normal manner. Once mobilized to the site, WWS attempted to pull the pump and found that the pumping equipment was stuck downhole preventing removal. After several attempts at pulling the pump which included mobilizing multiple pump hoists and aid of 100,000lbs hydraulic jacks, the pumping equipment can only be lifted a couple inches which is stretch in the pipe string.

WWS recommends that we split the well casing at the surface and attempt to lower the pump in the well while lifting on the discharge head. The casing needs to be cut, because we cannot lift the pumping equipment high enough to get to the first coupling to add additional pipe to lower the pump. If the pumping equipment is able to be lowered in the well, WWS would work the pump up and down in an effort to dislodge whatever is trapping the pumping equipment. Most likely the well has collapsed in and around the pumping equipment.

If this last effort is not successful, we would approach the County and Illinois Department of Public Health with a request to abandon the well in place with an obstruction.

A: Village of Lombard Well No. 7 Removal				
	QTY	Unit	Unit Cost	Extended Total
Mobilization; Of large pump hoist, tools and support equipment	1	LS	\$500.00	\$500.00
Rig & 2-man crew; Mobilization, attempt to pull pump, demobilize pump hoist, remobilize a larger pump hoist to pick pump and found pump to be stuck. Additional labor to attempt to pull pump, cut casing and televise well.	60	HR	\$370.00	\$22,200.00
Hydraulic jacks required to place 200,000lbs pull back on pump	1	LS	\$500.00	\$500.00

Investigational TV Survey to identify potential reason pump is stuck in well.	1	LS	\$1,000.00	\$1,000.00
Rig & 2-man crew; for 1 additional day's labor to attempt to lower the pumping equipment in the well. If the pump does in fact move, then there would be additional days labor required to work the pump up and down to free it.	1	HR	\$370.00	\$3,700.00
Estimated Total Pull & Inspection				\$28,200.00

If you have any questions, comments or concerns, please do not hesitate to contact me directly on my cell phone at (630) 201-0749 or at the office at (630) 369-9099.

Sincerely,

Todd E. Kerry
Vice President - Water Well Solutions

Signature: _____

Name: _____

Title: _____

Date: _____

VILLAGE OF LOMBARD CHANGE ORDER

PROJECT NAME: Well 7 Emergency, Inspection, Cleaning & Repair PROJECT NO.: 2021-2171
 LOCATION: Village of Lombard CHANGE ORDER: 1
 CONTRACTOR: Water Well Solutions DATE: 10/12/2021
 DESCRIPTION OF CHANGE ORDER: Additional work required due to collapse inside deep well.

ORIGINAL CONTRACT AMOUNT:	[1]	<u>16,340.00</u>
TOTAL OF PREVIOUS AUTHORIZED CHANGE ORDERS:	[2]	<u>\$0.00</u>
CURRENT CONTRACT AMOUNT: ([1]+[2])	[3]	<u>\$16,340.00</u>
PROPOSED CHANGE ORDER: (PENDING APPROVAL)	[4]	<u>\$11,860.00</u>
PROPOSED REVISED CONTRACT AMOUNT: (PENDING APPROVAL) ([3]+[4])	[5]	<u>\$28,200.00</u>

NET OF ALL CHANGE ORDERS: (PENDING APPROVAL) ([2]+[4])	<u>\$11,860.00</u>	
TIME EXTENSION OR REDUCTION:	<u>NA</u>	
TOTAL CONTRACT TIME:	<u>NA</u>	
BUDGET ESTIMATE:	<u>\$30,000.00</u>	
ENGINEER'S ESTIMATE:	<u>\$30,000.00</u>	

RECOMMENDED FOR ACCEPTANCE :

 10/14/21 Date Approved By: _____ Date
 Utilities Superintendent Director of Finance

 10/12/21 Date Approved By: _____ Date
 Contractor (<\$10K or 25%) Village Manager

N/A Date Approved By: _____ Date
 Village Engineer (>\$10K or 25%) Village President

 10/18/2021 Date Attest: _____ Date
 Director of Public Works Village Clerk

 Assistant Director of Finance 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.