



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Well #9 Change Order #1		
Presenter & Title:	Bob VanGyseghem, Superintendent of Water and Wastewater.		
Date:	February 1, 2021		
Please Check Appropriate Box:			
	Committee of the Whole Meeting		Special Committee of the Whole Meeting
X	City Council Meeting		Special City Council Meeting
	Public Hearing		Other -
Associated Strategic Plan Goal/Objective: EMS II			
Estimated Cost: \$22,884.00	Budgeted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Executive Summary:			
<p>Cahoy Pump Service, Inc., Sumner, Iowa was awarded the contract for Well #9 rehabilitation in November in the amount not-to-exceed \$100,275.42. At the time of award, the City Council was made aware that if the motor could not be repaired that staff would return to the City Council at a later date for approval of a replacement motor. The motor has been inspected and cannot be repaired. Change Order #1 reflects the purchase of a motor; increases in the quantity of certain bid items necessary; and deductions for bid items that have been reduced or determined unnecessary after the pump and motor were removed from the well.</p>			
Attachments: <i>(please list)</i>			
<ul style="list-style-type: none"> • Resolution • Cahoy Pump Service Memo & Findings 			
Voting Requirements:			
<p><i>This motion requires <u> 6 </u> affirmative votes for passage.</i></p> <p><i>The Mayor may vote on three occasions: (a) when the vote of the aldermen or trustees has resulted in a tie; (b) when one half of the aldermen or trustees elected have voted in favor of an ordinance, resolution, or motion even though there is no tie votes; or (c) when a vote greater than a majority of the corporate authorities is required by state statute or local ordinance to adopt an ordinance, resolution, or motion.</i></p>			
Recommendation / Suggested Action: <i>(how item should be listed on agenda)</i>			
<p>Recommend Approval of Resolution Authorizing the City Administrator to approve Change Order #1 with Cahoy Pump Service, Inc. in an amount not-to-exceed \$22,884.00</p>			

RESOLUTION NO. 2021-04**RESOLUTION AUTHORIZING EXECUTION OF
Change Order with Cahoy Pump Service, Inc. for the Rehabilitation of Well #9**

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GENEVA, KANE COUNTY, ILLINOIS, as follows:

SECTION 1: That the City Council of the City of Geneva, Kane County, Illinois on November 16, 2020 entered into a contract with Cahoy Pump Service, Inc. that exceeded \$10,000.

SECTION 2: Pursuant to the terms of the Agreement, the Contractor agreed to complete the Well #9 Rehabilitation at a cost of \$100,275.42

SECTION 3: That the Agreement was approved by the City Council and the scope of serviced to be provided by the Contractor needs to be increased, necessitating a change order in the Agreement.

SECTION 4: The Contractor is to make the changes requested by the City.

SECTION 5: Pursuant to 720 ILCS 5/33E-9, Change Orders, the City Council finds (1) the circumstances said to necessitate the change in performance we not reasonably foreseeable at the time the Contract was entered; and (2) is germane to the original Contract as signed, and (3) the change order is in the best interest of the City.

SECTION 6: Whereas, 720 ILCS 5/33E9 requires that any change order be made in writing.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and City Council of the City of Geneva, Kane County, Illinois as follows:

That the provisions outlined in the summary table of the change order requests as requested by Cahoy Pump Service, Inc. dated January 26, 2021, attached hereto, is hereby approved and the City Administrator is authorized to execute this Change Order incorporating said proposal increase the contract to the amount of \$123,159.42

PASSED by the City Council of the City of Geneva, Kane County, Illinois, this ____ day of _____, 2021

AYES: __ **NAYS:** __ **ABSENT:** __ **ABSTAINING:** __ **HOLDING OFFICE:** __

Approved by me this ____ day of _____, 2021.

Mayor

ATTEST:

City Clerk



January 26, 2021

City of Geneva
 22 South 1st Street
 Geneva, IL 60134

Attn: Bob VanGyseghem
 Re: Geneva Well #9 Findings - Update

Greetings Bob:

We have completed the pull / inspection / & TV survey of Geneva Well #9, I have included the cost to date as well as the next steps estimate to get this well back online for you. To that end we are pleased to provide you with the following;

Well #9 Inspection Report

PUMP:

The pump is in poor condition & it is recommended that it be replaced due to extensive re-build needed & low expected life due to soft castings on the pump. This pump also shows signs of pumping sand. (See photos)

MOTOR:

The motor is also in poor condition, this motor can be rebuilt, however we recommend replacing this motor due to the overall cost of shipping & repair of the old motor.

SUB-CABLE:

It is recommended to replace the sub-cable in this well with the new motor, the cost for replacement is relatively equal to the testing of the old sub-cable, combination of comparison cost of 5A & 5B in the bid sched. See table for replacement pricing. On this item, the bid schedule references 1/0 sub-cable, we have attached the proper sizing calculation that recommends 2/0 wire as a minimum, the 1/0 is severely under sizing this sub-cable for this application.

LAKWOOD CHECKVALVE:

The 12" Lakewood style check valve is in need of replacement.

DROP PIPE:

The 12" drop pipe is in good condition, needs to be blasted & recoated prior to reinstallation.

Cahoy Iowa West:
 Marne, Iowa

Cahoy Illinois South:
 Lincoln, Illinois

Cahoy Corporate Office:
 24568 150th Street – Suite 200
 Sumner, Iowa 50674
 (563) 578-1130

WWW.CAHOYPUMP.COM

Cahoy High Plains:
 Cheyenne, Wyoming

CPS – IL North:
 Durand, Illinois

216 **PITLESS & SPOOL:**

The pitless housing is in good condition, however the internal spool that is part of the pump set string is in unusable condition, we recommend fully replacing the spool with 2 new O-rings to ensure proper seal & performance of the well & pumping equipment.

WELL INTEGRITY:

The well was televised and the structure is in excellent condition, however, the bottom of the upper screen & the entire lower screen have build-up that is plugging off a fair percentage of the screen. With this from the video log & the evidence that the pump was pumping sand & sediment, we recommend Airburst be utilized to clean & redevelop the well. The well was also found to have 3' of fill in it so bailing of that material will be required prior to rehabilitation via Airburst.

#	DESCRIPTION	U	Q	UNIT PRICE	TOTAL PRICE
	WORK COMPLETED – PER BIDSCHEDULE				
1	Mobilize / load & transport for inspection / & inspect – 60% of line item #1	1	LS	\$ 7,338.00	\$ 7,338.00
2	Pull pumping equipment – 100% of line item #2	1	LS	\$ 4,310.00	\$ 4,310.00
3	Perform Downhole TV – 100% of line item #8	LF	152	\$ 12.50	\$ 1,900.00
4	Field Inspection of pump & motor – 100% of line item # 4A	LS	1	\$ 949.00	\$ 949.00
	TOTAL of WORK COMPLETED	xx	xx	xxxxxxxxxx	\$ 14,497.00
	WORK TO BE COMPLETED BID SCHEDULE ITEMS				
1	Job Prep & Mobilization – Remaining 40% of line item #1	LS	1	\$ 4,892.00	\$ 4,892.00
2	Material Cost for Replacement Motor – Recommend water filled SME – SS 2-pole motor	LS	1	\$ 26,100.00	\$ 26,100.00
3	Replacement Pump to deliver 1,500GPM @ 225' TDH - (This design must be verified & signed off by owner prior to order)	LS	1	\$ 25,582.00	\$ 25,582.00
4	New 2/0 sub-cable & splice kit	LS	1	\$ 1,308.00	\$ 1,308.00
5	Deduct from line items 5A & 5B – based on 1/0 improper sub-cable	LS	1	(\$ 950.00)	(\$ 950.00)
6	Bail well – Line item # 3(additional items)	HR	8	\$ 275.00	\$ 2,200.00
7	Sandblast column/drop pipe – line item #3A	LF	69	\$ 33.00	\$ 2,277.00
8	Epoxy coat interior & exterior of pipe – line item #3B	LF	69	\$ 56.00	\$ 3,864.00
9	Disinfect per spec & reinstall pump gear & test – line item #7	LS	1	\$ 6,465.00	\$ 6,465.00
10	Provide & install ¼” airline rated @ 250PSI	LF	138	\$ 0.59	\$ 81.42
11	Material cost for new Lakewood check valve – 12” Line item #3F	EA	1	\$ 1,792.00	\$ 1,792.00
12	Additional Test pumping per line item 2 in conjunction with sand content measurement with additional recommended rehab steps on the well	HR	8	\$ 275.00	\$ 2,200.00
	TOTAL of ADDITIONS PER BID SCHEDULE	xx	xx	xxxxxxxxxx	\$ 75,811.42.00

#	DESCRIPTION	U	Q	UNIT PRICE	TOTAL PRICE
	RECOMMENDED WORK NOT IN BID SCHED				
1	Mechanically clean casing & screen	HR	8	\$ 275.00	\$ 2,200.00
2	Replacement Pitless Spool w/new O-rings for the Baker unit	EA	1	\$ 29,814.00	\$ 29,814.00
	TOTAL of ADDITIONAL RECOMENDED	xx	xx	xxxxxxxxxx	\$ 32,014.00
*	OPTION – Replacement pump to deliver 1,700 GPM @ 225’ TDH – (this maxes out the 125HP motor) – If selected replace line item #3 in bid schedule items section with the following cost....	LS	1	\$ 26,419.00	

NOTES;

- Proposal is valid for 10 days. After that date, we reserve the right to re-visit our material and fuel costs and adjust our pricing structure accordingly.
- Any hours unused or in excess will be credited/invoiced @ a the applicable rate
- Additional Per Diems if required will be invoiced @ \$185.00 ea.
- Proposal is based on prevailing wage
- All Bac-T’s are the responsibility of the owner
- If CPS personnel have to return to gather hoses due to longer pump to waste needed to achieve a clean Bac-T, those hours & any materials will be invoiced on a T&M basis

Bob; we sincerely appreciate the opportunity to provide you with this proposal. In order to validate it please sign the one marked “copy” and return it to our Sumner office. The original is yours to keep for your records.

Please feel free to contact Jon Lilja in our Durand facility, myself, or Darin Cahoy at our Sumner office if you have any questions or wish to have us proceed with scheduling the work.

Sincerely,

Mike Whittenbaugh

Mike Whittenbaugh
President