



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Change Order for IHC Construction Companies. Wastewater Treatment Plant Improvements.		
Presenter & Title:	Bob VanGyseghem, Superintendent of Water and Wastewater.		
Date:	5/9/18		
Please Check Appropriate Box:			
<input checked="" type="checkbox"/>	Committee of the Whole Meeting		Special Committee of the Whole Meeting
<input checked="" type="checkbox"/>	City Council Meeting		Special City Council Meeting
	Public Hearing		Other -
Associated Strategic Plan Goal/Objective: N/A			
Estimated Cost: \$102,714.20		Budgeted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No
If "Other Funding," please explain how the item will be funded:			
Executive Summary:			
Attached are memorandums describing nine Change Order Requests by Staff related to the Wastewater Treatment Plant Improvements.			
Attachments: <i>(please list)</i>			
<ul style="list-style-type: none"> • Resolution • Memorandum by City Staff • Memorandum by CDM Smith 			
Recommendation / Suggested Action: <i>(how item should be listed on agenda)</i>			
Staff requests that the City Council authorize the City Administrator to execute Change Order for the Wastewater Plant Improvements with IHC Construction Companies totaling \$102,714.20 and increasing the total contact amount from \$10,349,000 to \$10,451,714.20			

RESOLUTION NO. 2018-44**RESOLUTION AUTHORIZING EXECUTION OF
Change Order with IHC Construction Companies for the Wastewater Treatment Plant
Improvements**

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 August 21, 2017 entered into a contract with IHC Construction Companies that exceeded \$10,000.

SECTION 2: Pursuant to the terms of the Agreement, the Contractor agreed to complete the Wastewater Treatment Plant Improvements at a cost of \$10,349,000

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, items 1 through 9 as requested by CDM Smith dated May 9, 2018, attached hereto, is hereby approved and the City Administrator is authorized to execute these Change orders incorporating said proposal increase the contract to the amount of \$10,451,714.20

PASSED by the City Council of the City of Geneva, Kane County, Illinois, this ____ day of _____, 2018

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

Approved by me this ____ day of _____, 2018.

Mayor

ATTEST:

City Clerk



PUBLIC WORKS DEPARTMENT
MEMORANDUM

To: Mayor Kevin Burns and City Council

CC: Stephanie Dawkins, City Administrator

From: Bob VanGyseghem, Superintendent of Water and Wastewater
Richard Babica, Director of Public Works

Date: May 10, 2018

Re: Proposed Change Order for IHC Construction Companies
Wastewater Treatment Plant Improvements

On August 21, 2017, the City Council adopted Resolution 2017-87 authorizing a contract with IHC Construction Companies for the construction of the Wastewater Treatment Plant Improvements in an amount not to exceed \$10,349,000. The contract does not allow for any contingency funds for unforeseen circumstances.

During the construction process, several items have developed that need to be addressed that are not included within the contract. Any Change Orders to the contract will require City Council approval to execute. The project is funded by the Illinois Environment Protection Agency Water Pollution Control Loan.

Staff is proposing that the City Council authorize the following Change Order to ensure that the Wastewater Plant Improvements remain on schedule.

Included for review is an explanation for the change order items and recommendation by the engineer CDM Smith.



Memorandum

To: Bob VanGyseghem, Superintendent of Water & Wastewater

From: Brian Lubenow, PE, Amrou Atassi, PE; CDM Smith

Date: May 09, 2018

Subject: WWTF Improvements
Change Order Requests

This memo summarizes proposed Change Order Requests (CORs) submitted to date by the General Contractor (IHC), and reviewed by CDM Smith. The net change is an increase of \$102,714.20, thus increasing the IHC total contract amount from \$10,349,000 to \$10,451,714. These CORs are IEPA SRF loan eligible and will be funded under the IEPA SRF Loan.

The following is a summary table of the CORs:

WCD/COR	Description	Cost
1	Replacement of Slide Gates for Final Clarifiers Nos. 1 and 2	\$36,134.43
2	Web-Based Information Management Credit	(\$13,860.00)
3	Engineer's Field Office Credit	(\$11,292.75)
4	Project Identification Sign Credit	(\$420.00)
5	Additional Davit Crane Bases	\$859.19
6	Door Changes	\$7,701.20
7	Door Frame Changes for Monorails	\$10,482.53
8	Sanitary Sewer Manhole Replacement	\$23,109.60
9	Final Clarifier No. 3 Scum Line Relocation	TBD
10	Blower Room Modifications	\$50,000 (NTE)
		\$102,714.20

The following paragraphs provide additional information on the proposed extras over \$1,000.

WCD/COR No. 1 - Final Clarifier Nos. 1 & 2 Influent Gate Replacements

During preliminary work in Bioreactor No. 1, the aluminum slide gates to Final Clarifier Nos. 1 and 2 were found to be severely corroded, leaking, and in need of replacement. This only became apparent when the tank was dewatered during construction as the tank could not be dewatered during design. The City and CDM Smith agreed that these two gates should be replaced with stainless steel slide gates. IHC submitted COR-001 for \$36,134.43 for this additional work. CDM Smith feels that IHC's estimated labor and equipment durations are overly conservative. The final change order cost will reflect actual time and materials.

Bob VanGyseghem, Superintendent of Water & Wastewater
May 9, 2018
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WCD/COR No. 6 & 7 - Door Modifications

During the design stage, City staff did not recognize that the doors did not contain windows. City staff recommended that windows be added to provide safety to employees when entering or exiting the buildings. The City requested that the door schedule be changed so that a total of seven doors be fitted with half glass or narrow glass windows. The City also requested modifications to the new Raw Sewage Pump Station monorail door frame to provide additional clearance for installation and removal of dry-pit raw sewage pumps. IHC submitted COR-006 and COR-007 totaling \$18,183.73 for this additional work.

WCD/COR No. 8 - Influent Sewer Modifications

To facilitate replacement of the 24" PVC influent sewer in the WWTF driveway, an additional manhole must be replaced. Furthermore, the City requested that another new manhole be modified from 48" diameter to 60" diameter for improved accessibility, constructability (sealing around the pipes) and consistency with the rest of the interceptor. IHC submitted COR-008 for \$23,109.60 for this additional work. CDM Smith feels that IHC's estimated labor and equipment durations are overly conservative. The final change order cost will reflect actual time and materials.

WCD/COR No. 10 - Blower Room Modifications

Over the past couple months, IHC, CDM Smith, and the City have been collaborating on approval of shop drawings and the layout of new turbo blowers in the Blower Room. The bid documents specified two manufacturers, Neuros and Aerzen, however CDM Smith's design layout was based on the Neuros units. IHC's bid was based on Aerzen blowers, which offered a savings of an estimated \$250,000.

To accommodate the larger footprint and different inlet/outlet piping arrangements of the Aerzen units, it was proposed to expand the footprint of the existing Blower Room within the Blower & Grit Building. This modification also offered improved layout of ancillary harmonic filters and MCCs. IHC estimates a cost not-to-exceed (NTE) \$50,000 to expand the Blower Room as described in the enclosed letter May 8, 2018 letter and attached sketches.

CDM Smith reviewed the IHC cost estimate and Aerzen blower layout Option 3B and recommends that the City proceed with a contract change order to expand the Blower Room as described above. If acceptable, CDM Smith will continue to work with IHC and the City to design these modifications.

Although this change results in a \$50,000 cost increase to the construction contract, the net saving is \$200,000 from the original budgeted amount.

CDM Smith has reviewed the change order requests associated with the referenced work change directives and recommends that the City proceed with these contract changes. As stated above, many of these costs are conservative or not-to-exceed estimates. Final costs will reflect actual time and materials.



City of Geneva Check Request

Date 10-29-18 Date Needed ASAP

Vendor CDM SMITH Vendor # _____

Address 15050 Collections Center Drive
Chicago, IL 60693

Check Processing Information
Mail Check <input checked="" type="checkbox"/> Return to Department <input type="checkbox"/> Employee <input type="checkbox"/>
Justification for Choosing Vendor
Lowest Price <input type="checkbox"/> Council Approved <input type="checkbox"/> Other <input type="checkbox"/>
Reason _____

Paid Advance of Council Approval
Yes* <input type="checkbox"/> No <input checked="" type="checkbox"/> Date Required _____
*Requires City Administrator's Approval

Account Number	Amount	Description
630.90.96.95-815.35	\$ 40,224.33	WWTP FACILITY IMPROVEMENTS
		12th INSTALLMENT
Total:	\$ 40,224.33	

Purpose
PENDING LOAN DISBURSEMENT

Approval BV _____
Division Finance Manager

Department _____ City Administrator

Clear



503 Martindale Street, Suite 400
Pittsburgh, Pennsylvania 15212-5722
tel: +1 412 201-5500
fax: +1 412 231-0301

Please Remit To:
CDM Smith
15050 Collections Center Dr.
Chicago, IL 60693

INVOICE

Geneva, IL, City of
BOB VAN GYSEGHEM
CITY OF GENEVA PUBLIC WORKS DEPT.
1800 SOUTH STREET
GENEVA IL 60134

Account Number: 000200418081
Wire Routing: 011000138
Invoice Number: 12
Invoice Date: 29-OCT-2018
Project Number: 223033

Amount Due : \$40,224.33

Services from SEPTEMBER 30, 2018 to OCTOBER 27, 2018

PROFESSIONAL ENGINEERING SERVICES FOR THE CONSTRUCTION OF THE WASTEWATER TREATMENT FACILITIES IMPROVEMENTS PROJECT.

CITY OF GENEVA WWTP

Description	Amount
Direct Labor	\$39,450.29
Other Direct Costs	\$774.04
Outside Professionals	\$0.00
Total Due	\$40,224.33

Description	Amount
Previously Invoiced	\$383,431.39
Invoiced ITD	\$423,655.72
Total Contract Amount	\$1,048,622.00
Balance Remaining	\$624,966.28
Percent Complete	40.40%



503 Martindale Street, Suite 400
 Pittsburgh, Pennsylvania 15212-5722
 tel: +1 412 201-5500
 fax: +1 412 231-0301

Please Remit To:
 CDM Smith
 15050 Collections Center Dr.
 Chicago, IL 60693

INVOICE

Geneva, IL, City of
 BOB VAN GYSEGHEM
 CITY OF GENEVA PUBLIC WORKS DEPT.
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CITY OF GENEVA WWTP

Direct Labor				
Employee	Description	Hours	Rate	Total Cost
Anatrya R	ENEV.4.0621	2.50	\$37.63	\$94.08
Bhupal G	ENEV.3.0611	28.00	\$31.11	\$871.08
Clukey R	ESES.6.0501	29.00	\$35.70	\$1,035.30
Damon P	ESES.8.0804	4.00	\$72.47	\$289.88
Diffenderfer B	ENST.5.0626	2.00	\$48.12	\$96.24
Giovannone A	ENEV.5.0625	50.00	\$46.21	\$2,310.50
Isacco D	FNCA.7.0404	1.00	\$27.40	\$27.40
Joss A	ENEL.2.0648	6.50	\$35.10	\$228.15
Lohman L	ARGN.8.0080	3.00	\$66.87	\$200.61
Lubenow B	ENEV.7.0604	29.00	\$48.81	\$1,415.49
Martinez J	ESES.6.0501	4.00	\$35.10	\$140.40
Prok A	ENEV.3.0611	8.50	\$33.88	\$287.98
Reid R	CNRP.7.0094	156.00	\$36.44	\$5,684.64
Roa R	ASAD.5.0670	1.50	\$29.43	\$44.15
Subtotal Direct Labor		325.00		\$12,725.90
Direct Labor x 2.1				\$26,724.39
Total Direct Labor				\$39,450.29

Other Direct Costs	
Cost Type	Amount
Reimbursable Expenses	\$774.04

Total **\$40,224.33**

Amount Due **\$40,224.33**



280 Granite Run Drive, Suite 160
Lancaster, PA 17601
tel: 717-560-7500

October 29, 2018

Mr. Bob VanGyseghem
City of Geneva
1800 South Street
Geneva, IL 60134

Subject: City of Geneva WWTF Improvements
Construction Management Services – Invoice 12

Dear Mr. VanGyseghem:

Attached please find Invoice 12 for Construction Management Services related to the City of Geneva Wastewater Treatment Facility Improvements per the agreement dated June 20, 2017. This invoice in the amount of \$40,224.33 represents billing for October 2018 up to 40.40% of the total contract value of \$1,048,622.

If you should have any questions or need additional information, please give me a call.

Sincerely,

Brian L. Lubenow, P.E., BCEE

CDM Smith Inc.