



## AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Resolution No. 2019- 65 Change Order #9 for IHC Construction Companies for the Wastewater Treatment Plant Improvement Project.		
Presenter & Title:	Bob VanGyseghem, Superintendent of Water and Wastewater		
Date:	June 17, 2019		
<b>Please Check Appropriate Box:</b>			
<input checked="" type="checkbox"/>	Committee of the Whole Meeting	<input type="checkbox"/>	Special Committee of the Whole Meeting
<input checked="" type="checkbox"/>	City Council Meeting	<input type="checkbox"/>	Special City Council Meeting
<input type="checkbox"/>	Public Hearing	<input type="checkbox"/>	Other -
Associated Strategic Plan Goal/Objective: EMS - II			
Estimated Cost: \$43,932.82	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:			
<b>Executive Summary:</b>			
Attached is a memorandum describing Work Change Directives resulting in Change Order #9 for the Wastewater Treatment Plant Improvements.			
<b>Attachments:</b> <i>(please list)</i>			
<ul style="list-style-type: none"> <li>• Resolution</li> <li>• CDM Smith Memorandum</li> </ul>			
<b>Voting Requirements:</b>			
<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>			
<b>Recommendation / Suggested Action:</b> <i>(how item should be listed on agenda)</i>			
Recommend approval of Resolution No. 2019-65 authorizing the City Administrator to execute Change Order Number 9 for the Wastewater Plant Improvements with IHC Construction Companies increasing the total contract amount from \$10,617,578 to \$10,661,510.82			

**RESOLUTION NO. 2019-65****RESOLUTION AUTHORIZING EXECUTION OF  
Change Orders #9 with IHC Construction Companies for the Wastewater Treatment Plant  
Improvements**

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**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 City Council of the City of Geneva, Kane County, Illinois on May 21, 2018 approved Change Order #1 which increased the Contract from \$10,349,000 to \$10,451,714.20

**SECTION 4:** That the City Council of the City of Geneva, Kane County, Illinois on August 20, 2018 approved Change Orders #2 & #3 which decreased the Contract from \$10,451,714.20 to \$10,393,059

**SECTION 5:** That the City Council of the City of Geneva, Kane County, Illinois on October 1, 2018 approved Change Order #4 which increased the Contract from \$10,393,059 to \$10,394,012.62

**SECTION 6:** That the City Council of the City of Geneva, Kane County, Illinois on November 5, 2018 approved Change Order #5 which increased the Contract from \$10,394,012.62 to \$10,580,400.82

**SECTION 7:** That the City Council of the City of Geneva, Kane County, Illinois on January 22, 2019 approved Change Orders #6 & #7 which decreased the Contract from \$10,580,400.82 to \$10,579,638

**SECTION 8:** That the City Council of the City of Geneva, Kane County, Illinois on April 15, 2019 approved Change Order #8 which increased the Contract from \$10,579,638 to \$10,617,578

**SECTION 9:** That the Agreement was approved by the City Council and the scope of services to be provided by the Contractor needs to be changed, necessitating a change order in the Agreement.

**SECTION 10:** The Contractor is to make the changes requested by the City.

**SECTION 11:** Pursuant to 720 ILCS 5/33E-9, Change Orders, the City Council finds (1) the circumstances said to necessitate the change in performance were 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 12:** 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 20, 38, 39, 41, 42, 43, 44, 46, and 51 as requested by CDM Smith dated June 12, 2019, attached hereto, is hereby approved and the City Administrator is authorized to execute these Change Orders incorporating said proposal increasing the contract to the amount of \$10,661,510.82

**PASSED** by the City Council of the City of Geneva, Kane County, Illinois, this \_\_\_\_ day of \_\_\_\_\_, 2019

**AYES: \_\_ NAYS: \_\_ ABSENT: \_\_ ABSTAINING: \_\_ HOLDING OFFICE: \_\_**

Approved by me this \_\_\_\_ day of \_\_\_\_\_, 2019.

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
City Clerk



## Memorandum

*To: Bob VanGyseghem, Superintendent of Water & Wastewater*

*From: Brian Lubenow, PE*

*Date: June 12, 2019*

*Subject: WWTF Improvements  
Change Order No. 9*

This memo summarizes proposed Change Order Requests (CORs) submitted by the General Contractor (IHC) and reviewed by CDM Smith since authorization of Change Order No. 8. They have been grouped into Change Order No. 9. The net change is an increase of \$43,932.82, thus increasing the IHC total contract amount from \$10,617,578.00 to \$10,661,510.82. 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	Description	Cost
<b>Change Order CO-9</b>		
20	Replacement of SS Air Piping Supports in Bioreactors	\$3,212.87
38	RAS/WAS PS Emergency Lighting	\$12,717.58
39	Grating Changes at Slide Gates	\$7,612.63
41	Replacement of Slide Gate for Bioreactor No. 2	\$8,337.50
42	Relocation of Louver in Blower Room	\$1,575.00
43	WAS/RAS PS Stairs Changes	\$20,506.29
44	Air Flow Control Valve Extensions	\$12,802.55
46	Bioreactor No. 2 Davit Crane Bases	\$3,668.40
51	Paving Reduction Credit	(\$26,500.00)
<b>Total</b>		<b>\$43,932.82</b>

The following paragraphs provide additional information on the proposed changes.

### **WCD No. 20 – Replacement of SS Air Piping Supports in Bioreactors**

A portion of the existing Bioreactor No. 1 air headers are to remain, and the pipe supports for this piping were found to be deteriorated and were subsequently replaced. CDM Smith authorized

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increasing the spacing for the supports on the 6" scum line, up to 18' in Final Clarifiers 1 & 2. The extra brackets from the clarifier application were utilized to replace the deteriorated air header supports. This change order covers the cost of additional hardware and related labor. The cost of this additional work is \$3,212.87.

#### **WCD No. 38 – RAS/WAS PS Emergency Lighting**

Emergency lighting was not included in the RAS/WAS Building electrical scope. Emergency lighting is required for code compliance. The cost of this additional work is \$12,717.58.

#### **WCD No. 39 – Grating Changes at Slide Gates**

Installation of new slide gates in Bioreactors 1 and 2 requires modification of the existing grating and additional structural support for this grating. Also, additional sections of grating are required in Bioreactor No. 2 to cover openings where slide gates were removed. The cost of this additional work is \$7,612.63.

#### **WCD No. 41 – Replacement of Slide Gate for Bioreactor No. 2**

The existing aluminum influent slide gate to be relocated in Bioreactor No. 2 was found to have extensive corrosion damage in the bottom channel of the gate. This gate was replaced with a new stainless-steel gate. The cost of this additional work is \$8,337.50.

#### **WCD No. 42 – Relocation of Louver in Blower Room**

A new louver in the Blower Building was relocated from the west wall to the south wall so the grit blower control panels could be wall-mounted on the west wall. The change order includes the cost to cut the new opening and block/brick the old opening. The cost of this additional work is \$1,575.00.

#### **WCD No. 43 – WAS/RAS PS Stairs Changes**

The new stairs and platform for the new RAS/WAS Pumping Station were modified to provide a workable transition to the existing driveway grade and to provide more convenient access to the Electrical Room and Chemical Room. The cost of this additional work is \$20,506.29.

#### **WCD No. 44 – Air Flow Control Valve Extensions**

New air flow control valves were installed on the bioreactor air header piping, however this piping is below the walkway elevation, making manual operation and maintenance of these valve actuators very cumbersome. Valve actuator extensions will be installed to raise the actuator to a workable level. The cost of this additional work is \$12,802.55.

#### **WCD No. 46 – Bioreactor No. 2 Davit Crane Bases**

Portable davit cranes are provided for removal of new bioreactor mixers and pumps. Six of the specified pedestal bases in Bioreactor No. 2 conflicted with walkway access and the necessary walkway structural bracing conflicted with existing and proposed air piping. The solution involved

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the use of flush-mount socket davit crane bases in the center of the tank wall/walkway. The cost of this additional work is \$3,668.40.

**WCD No. 46 – Bioreactor No. 2 Davit Crane Bases**

At the request of the Owner, the area of existing pavement to be milled and overlaid was reduced to include only the main entrance to the facility and the area between Bioreactors 1 & 2 which were disturbed by the construction project. This change results in a credit of \$26,500.00.