



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Change Order #8 for IHC Construction Companies. Wastewater Treatment Plant Improvements		
Presenter & Title:	Bob VanGyseghem, Superintendent of Water and Wastewater.		
Date:	April 8, 2019		
<i>Please Check Appropriate Box:</i>			
<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; ES-III			
Estimated Cost: \$37,940.00		Budgeted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No
<i>If "Other Funding," please explain how the item will be funded:</i>			
Executive Summary:			
Attached is a memorandum describing six (6) Work Change Directives resulting in Change Order #8 for the Wastewater Treatment Plant Improvements.			
Attachments: <i>(please list)</i>			
<ul style="list-style-type: none"> • Resolution • CDM Smith Memorandum 			
Voting Requirements:			
<i>This motion requires 6 affirmative votes for passage.</i>			
<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>			
Recommendation / Suggested Action: <i>(how item should be listed on agenda)</i>			
Recommend approval of resolution authorizing the City Administrator to execute Change Order Number Eight (8) for the Wastewater Plant Improvements with IHC Construction Companies increasing the total contract amount from \$10,579,638 to \$10,617,578.			

RESOLUTION NO. 2019-36**RESOLUTION AUTHORIZING EXECUTION OF
Change Orders #8 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 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 Order #5 which decreased the Contract from \$10,580,400.82 to \$10,579,638

SECTION 8: 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 9: The Contractor is to make the changes requested by the City.

SECTION 10: 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 11: 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 19, 33, 34, 35, 37, and 40 as requested by CDM Smith dated March 26, 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 \$10,617,578.00

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: March 26, 2019

Subject: WWTF Improvements
Change Order No. 8

This memo summarizes proposed Change Order Requests (CORs) submitted by the General Contractor (IHC) and reviewed by CDM Smith since authorization of Change Order Nos. 6 and 7. They have been grouped into Change Order No. 8. The net change is an increase of \$37,940.00, thus increasing the IHC total contract amount from \$10,579,638.00 to \$10,617,578.00. 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
Change Order CO-8		
19	Additional Electrical Changes	\$68,208.13
33	Elimination of Davit Crane Concrete Foundations	(\$7,710.78)
34	Diamond Plate and Handrail Changes	\$3,731.89
35	Window Sill Flashing for RAS/WAS PS	\$2,047.50
37	Fire Alarm Changes Credit	(\$7,552.13)
40	36" DIP Primary Effluent Alignment Change Credit	(\$20,784.61)
Total		\$37,940.00

The following paragraphs provide additional information on the proposed changes.

WCD No. 19 – Additional Electrical Changes

A new conduit was added in the ductbank between the Blower Room and the RAS/WAS Pump Station to replace a damaged conduit with Fiber Optic Cable. New conduits were added to Bioreactor Nos. 1 and 2 to replace existing services for 110V lights and receptacles. A circuit breaker was added to DP-3 to feed an existing transformer for LP-A1. A new distribution panel and associated conduit and wire were added to the RAS/WAS Pump Station Electrical Room to feed all

Bob VanGyseghem, Superintendent of Water & Wastewater
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three final clarifiers from one location. Additionally, missing lighting and receptacles were added to the RAS/WAS Pump Station. The cost of this additional work is \$68,208.13.

WCD No. 33 – Elimination of Davit Crane Concrete Foundations

Six davit crane concrete foundations were proposed along the perimeter of Bioreactor Nos. 1 and 2 for removal of new mixers and pumps. In lieu of the proposed concrete foundation-mounted davit cranes, the City will use a truck-mounted crane to remove this equipment. The total credit related to the removal of this work from the project scope is \$7,710.78.

WCD No. 34 – Diamond Plate and Handrail Changes

The modification work in Bioreactor No. 1 included removal of old equipment, including slide gates, leaving openings in the deck. This change involved providing aluminum diamond plate covers over these openings. This change also covers the repair of three existing loose handrail posts. The cost of this additional work is \$3,731.89.

WCD No. 35 – Window Still Flashing for RAS/WAS Pump Station

The Contractor's scope of work did not include flashing material on the seven RAS/WAS Pump Station Building windows. To protect the window sills from water penetration, prefinished aluminum window flashing was added. The cost of this change is \$2,047.50.

WCD No. 37 – Fire Alarm Changes Credit

The contractor offered the City a credit to accept a simpler than specified fire alarm system for the Grit/Blower Building. The proposed system is code compliant and acceptable to CDM Smith. The total credit to the City for this alternate system is \$7,552.13.

WCD No. 40 – 36" DIP Primary Effluent Alignment Change Credit

The construction scope includes replacement of the 24" Primary Effluent (PE) line to Bioreactor No. 2 with a new 36" ductile iron pipe (DIP). The design of this replacement included three elbow fittings to avoid existing utility lines estimated to be within the vertical alignment of the new line. After partial excavation, an alternate alignment was developed to avoid installation of these fittings at a higher elevation. This \$20,748.61 credit to the City is for the reduced materials, labor, and equipment associated with this alternate alignment.

Change Order No. 08

Date of Issuance: 26 March 2019 Effective Date: _____

Project: Wastewater Treatment Facility Improvements	Owner: City of Geneva, Illinois	Owner's Contract No.: IEPA Loan No. L175415
Contract: City of Geneva Wastewater Treatment Facility Improvements		Date of Contract: 06 November 2017
Contractor: IHC Construction Companies, LLC		Engineer's Project No.: 111603

The Contract Documents are modified as follows upon execution of this Change Order:

Description:

Work as described in Work Change Directives (WCDs) 019, 033, 034, 035, 037, 040.

Attachments: (List documents supporting change):

WCDs- 019, 033, 034, 035, 037, 040.

CHANGE IN CONTRACT PRICE:

CHANGE IN CONTRACT TIMES:

Original Contract Price:

\$ 10,349,000.00

Increase from previously approved Change Orders

No. 01 to No. 07 :

\$ 230,638.00

Contract Price prior to this Change Order:

\$ 10,579,638.00

Increase of this Change Order:

\$ 37,940.00

Contract Price incorporating this Change Order:

\$ 10,617,578.00

Original Contract Times: Working days Calendar days

Substantial completion (days or date): 500 Days 20 March 2019

Ready for final payment (days or date): 540 Days 30 April 2019

[Increase] [Decrease] from previously approved Change Orders

No. 01 to No. 07 :

Substantial completion (days): 92 Days

Ready for final payment (days): 92 Days

Contract Times prior to this Change Order:

Substantial completion (days or date): 592 Days 20 June 2019

Ready for final payment (days or date): 632 Days 31 July 2019

[Increase] [Decrease] of this Change Order:

Substantial completion (days or date): 0 Days

Ready for final payment (days or date): 0 Days

Contract Times with all approved Change Orders:

Substantial completion (days or date): 592 Days 20 June 2019

Ready for final payment (days or date): 632 Days 31 July 2019

RECOMMENDED:

By: [Signature]

Engineer (Authorized Signature)

Date: 26 March 2019

ACCEPTED:

By: _____

Owner (Authorized Signature)

Date: _____

ACCEPTED:

By: [Signature]

Contractor (Authorized Signature)

Date: 27 March, 2019

Approved by Funding Agency (if applicable): _____

Date: _____

**Summary of Work Change Directives
In Change Order No. 8**

WCD	Description	Cost
19	Additional Electrical Changes	\$68,208.13
33	Elimination of Davit Crane Concrete Foundations	(\$7,710.78)
34	Diamond Plate and Handrail Changes	\$3,731.89
35	Window Sill Flashing for RAS/WAS PS	\$2,047.50
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