



AGENDA ITEM # 15D

**AGENDA ITEM EXECUTIVE SUMMARY
Village Board Meeting
May 13, 2019**

Item Title: **Jewel Ventura Lift Station Project
Change Order No. 1 RHMG Engineers, Inc.**

Staff Contact: Karen Young, P.E., C.F.M., Director of Public Works

VILLAGE BOARD ACTION

Adopt a Resolution authorizing the Mayor to execute Change Order No. 1 for the Jewel Ventura Lift Station Project between the Village of Roselle and RHMG Engineers, Inc. in the amount of \$11,348.

Executive Summary:

The Jewel Ventura Lift Station Project is nearing completion. During the course of the project there have been a few items that have been outside of the original scope of work under the contract with RHMG Engineers, Inc. for the construction engineering services, which are detailed below.

- 1. Value Engineering** – After the original project was bid, awarded and contracts executed with DiMeo Brothers it was requested that the project be value engineered to consider open cutting the gravity sewer in lieu of the directional boring, which would also raise the depth of the gravity sewer making it not as deep. This analysis and ultimate changes to the project resulted in a cost savings of \$74,070. The analysis and ultimate re-engineering was not included in their original scope of work. The total cost for this work was \$3,389.
- 2. Forcemain Replacement** – RHMG has provided design engineering and permitting services for the additional forcemain installation that was approved at the January 28, 2019 meeting. It was indicated at that time that a change order for RHMG’s work would follow. The total cost for this work was \$5,064.
- 3. Construction Contract Extension** – Time extensions to the contract have resulted in additional time required for construction engineering. Details regarding the time extensions are provided in the attached change order. The total cost for additional construction engineering is \$2,895.

Staff has reviewed the change order requested and find all items to be appropriate. A summary of the contract costs and change order #1 are as follows:

Original Contract Amount	\$127,757.00
CO #1	\$ 11,348.00
Revised Contract Amount	\$139,105.00

Implications:

Is this item budgeted? Yes. There are sufficient funds in the Water and Sewer Capital Fund for this project. The IEPA loan amount is: \$2,498,145. Design Engineering \$177,664, Construction Engineering \$158,511, Original Construction \$2,099,000, and Contingency \$62,970.

Any other implications to be considered? None

Attachments:

Resolution
Change Order #1 RHMG

RESOLUTION NO. 2019-

**A RESOLUTION AUTHORIZING THE MAYOR
TO EXECUTE CHANGE ORDER NO. 1 FOR THE JEWEL VENTURA
LIFT STATION PROJECT BETWEEN THE VILLAGE OF ROSELLE AND
RHMG ENGINEERS, INC. IN THE AMOUNT OF \$11,348.**

WHEREAS, the corporate authorities of the Village of Roselle deem it in the best interests of the Village to approve a Change Order No. 1 with RHMG ENGINEERS, INC. for the Jewel Ventura Lift Station Project; and

WHEREAS, the Village budgeted funds for the above stated project in the Water and Sewer Capital Projects Fund and the project is funded through the IEPA low interest State revolving loan program and there is sufficient funds in the Water and Sewer Capital Projects Fund Reserve; and

WHEREAS, staff has reviewed the Change Order No. 1 and find them fair and reasonable; and

WHEREAS, both parties agree to the terms and conditions set forth in the Change Order No. 1 with RHMG ENGINEERS, INC. as described in Exhibits A.

NOW, THEREFORE, be it resolved by the Mayor and Board of Trustees of the Village of Roselle that the Mayor is hereby authorized to sign and the Village Clerk is hereby directed to attest that certain Change Order No. 1 between the Village of Roselle and RHMG ENGINEERS, INC., which is attached hereto and incorporated as fully set forth as Exhibit A.

ADOPTED this 13th day of May, 2019

AYES:

NAYS:

ABSTAIN:

ABSENT:

Andrew J. Maglio, Mayor

ATTEST:

Patricia Burns, Village Clerk

AMENDMENT
TO THE
AGREEMENT FOR ENGINEERING SERVICES
BETWEEN THE VILLAGE OF ROSELLE
AND
RHMG ENGINEERS, INC.

THIS AMENDMENT, made as of the ___ day of _____, 2019, by and between the Village of Roselle, Illinois (hereinafter called the "OWNER") and RHMG Engineers, Inc., Mundelein, Illinois (hereinafter called the "ENGINEER").

WITNESSETH, THAT WHEREAS, the OWNER and ENGINEER have previously entered into an Agreement dated October 26, 2015 for the design of Jewel and Ventura Lift Station Replacement (Work Authorization Order No. 21609010), hereinafter referred to as the PROJECT; and

AND WHEREAS, the OWNER and ENGINEER have previously entered into an Amendment to the Agreement dated October 23, 2017 for the construction engineering services associated with the PROJECT;

AND WHEREAS, the OWNER now desires to further amend the contract to incorporate additional scope construction engineering tasks that have been required on the PROJECT.

NOW THEREFORE, the OWNER and the ENGINEER in consideration of the mutual covenants hereinafter set forth agree as follows:

OWNER hereby engages the ENGINEER to provide the additional scope engineering tasks as outlined in the ENGINEER'S letter dated April 15, 2019, which is included as Attachment A-8.

In accordance with Attachment A-8, the fee limit for the construction engineering services shall increase from \$127,757 to \$139,105.


IN WITNESS WHEREOF, the parties have caused this AGREEMENT to be executed as of the day and year hereinabove set forth.


OWNER
VILLAGE OF ROSELLE

BY: _____

ATTEST: _____

ENGINEER:
RHMG ENGINEERS, INC

BY: 

ATTEST: 



RHMG ENGINEERS, INC.

975 Campus Drive, Mundelein, IL 60060
847.362.5959 | Fax 847.362.0864
www.rhmg.com

April 15, 2019

Ms. Karen Young, P.E., CFM
Director of Public Works
Village of Roselle
474 Congress Circle North
Roselle, IL 60172-3904

**Re: Jewel – Ventura Lift Station Replacement & Sewer
Construction Engineering
Project No. 21609012**

Dear Ms. Young:

As you are aware, there have been a number of additional scope engineering tasks that have been required to date on the subject project. These have included:

1. Value Engineering

The original plans, bid proposal, and contract consisted of installing the new Jewel lift station and directional boring a gravity sewer from the old Ventura lift station (being removed). After the bid was awarded and the contract executed, DiMeo and RHMG entered into discussions and value engineering to consider open cutting the gravity sewer in lieu of the directional boring and raising the depth so that the gravity sewer would not be as deep. This proposal was analyzed and re-engineered and determined to be an acceptable change resulting in a credit to the contract of \$111,600.00. However, the redesign also required partial relocation of ComEd and Comcast facilities that were co-located in the same easement as the sanitary sewer. Therefore, the net change order credit was \$74,070. As shown in the attached Exhibit A, the fees associate with this additional scope task total \$3,389.

2. Forcemain Replacement

The Village requested that the existing forcemain from the Jewel Lift Station to Cherry Street be replaced so that this area would not have to be disturbed again in the future. This required preparation of additional drawings as well as an additional permanent easement from Sternberg. Additional construction observation time will also be required for this item. The fees associated with this additional scope task are shown in the attached Exhibit B and total \$5,064.

3. Construction Contract Time Extension

As part of Change Order No. 2, the contract times were adjusted as follows:

	<u>Original</u>	<u>Adjusted</u>
Substantial Completion	10/5/18	3/1/19
Final Completion	12/4/18	5/24/19



Ms. Karen Young
Director of Public Works
Re: Village of Roselle
Jewel-Ventura Lift Station Replacement

April 15, 2019
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These adjustments were facilitated by the utility relocations performed by ComEd and Comcast. The agreed upon fees associated with this additional scope item are \$2,895.

Therefore, we hereby respectfully request a contract amendment to increase our fee limit by \$11,348 from \$127,757 to \$139,105. We trust that you will agree that this adjustment is justified and appropriate given the circumstances described above. Please contact me if you have any questions or wish to discuss this in more detail.

Sincerely yours,

RHMG ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'WR Rickert', is written over a horizontal line.

William R. Rickert, P.E., BCEE, CFM
President

Enclosures

EXHIBIT A
ADDITIONAL SCOPE TASK 1 - VALUE ENGINEERING
JEWEL - VENTURA LIFT STATION REPLACEMENT & SEWER
CONSTRUCTION ENGINEERING
VILLAGE OF ROSELLE

Date	Person	Description	Hours	Rate	Labor Cost
12/4/2017	J. Mitchell	Revisions to CAD Drawings - depth of sewer	8.00	88.8941	\$711.15
12/5/2017	P. Smith	Discuss revisions to easement documents & exhibits w/WRR & SEZ, revise plan & profile sheets	1.50	145.2056	\$217.81
12/5/2017	J. Mitchell	Revisions to CAD Drawings - depth of sewer	8.00	88.8941	\$711.15
12/14/2017	S. Zamaites	Contract documents and lift station dwg. Revisions for new elevations	2.00	147.8747	\$295.75
12/27/2017	S. Zamaites	Pump station and sewer markups for revised elevations	2.00	147.8747	\$295.75
12/27/2017	J. Mitchell	Revision to design plans - raise elev. Of proposed sewer	4.00	88.8941	\$355.58
1/8/2018	S. Zamaites	VE discussions with DiMeo	1.00	156.5004	\$156.50
1/18/2018	S. Zamaites	Review of wet well elevations with DiMeo & metro Pump	1.00	156.5004	\$156.50
1/26/2018	J. Mitchell	Revisions to lift station drawings	4.00	97.7477	\$390.99
1/31/2018	J. Mitchell	Revisions to construction plans	1.00	97.7477	\$97.75
TOTAL			32.50		\$3,388.93

**EXHIBIT B
 ADDITIONAL SCOPE TASK 4 - FORCEMAIN REPLACEMENT
 JEWEL - VENTURA LIFT STATION REPLACEMENT & SEWER
 CONSTRUCTION ENGINEERING
 VILLAGE OF ROSELLE**

Date	Person	Description	Hours	Rate	Labor Cost
8/24/2018	S. Zamaites	Foremain re;location request from Village - CO #2	2.00	156.5004	\$313.00
8/24/2018	J. Mitchell	New forcemain orientation drawing from air relaese valve	3.00	97.7477	\$293.24
8/27/2018	P. Smith	Discuss additional easement area adjacent to Jewel LS with SEZ, review plans, plats, easement documents	2.50	150.2834	\$375.71
8/27/2018	S. Zamaites	Prepare exhibit for Village regarding easement and potential forcemain relocation	2.00	156.5004	\$313.00
8/28/2018	S. Zamaites	Review of easement for rerouting of forcemain	1.00	156.5004	\$156.50
9/7/2018	P. Smith	Duscuss/assemble easement docs. For DAA	0.25	150.2834	\$37.57
9/24/2018	P. Smith	Review drawings, assemble Sternberg easement info., emails	1.50	150.2834	\$225.43
9/26/2018	P. Smith	Assmble Sternberg easement info., verify location, discuss w/SEZ	1.75	150.2834	\$263.00
9/27/2018	P. Smith	Reviewed Sternberg property legal description, drafted easement description, CAD coordination w/RWM	3.50	150.2834	\$525.99
9/28/2018	S. Zamaites	Meeting with DAA & DiMeo re: forcemain relocation snd easement	2.00	156.5004	\$313.00
9/28/2018	P. Smith	Finalized Sternberg easement description, assemble easement document, CAD coordination w/RWM	3.50	150.2834	\$525.99
9/28/2018	R. Magnusen	Drafting forcemain relocation	2.00	96.6084	\$193.22
10/1/2018	R. Magnusen	Drafting permanent easement	1.50	96.6084	\$144.91
10/1/2018	P. Smith	Finalize/assemble easement document, discuss w/SEZ, revision to drawing/CAD coordination w/RWM	3.50	150.2834	\$525.99
10/1/2018	S. Zamaites	Proposedforcemain relocation & additional Sternberg easement	2.00	156.5004	\$313.00
10/2/2018	P. Smith	CAD coordination re: Sternberg easement, discuss w/DAA	0.50	150.2834	\$75.14
11/2/2018	S. Zamaites	Meeting with Village to discuss forcemain relocation and additional easement from Sternberg	3.00	156.5004	\$469.50
TOTAL			35.50		\$5,064.20