



To: Scott Niehaus, Village Manager
Through: Carl Goldsmith, Director of Public Works *CSG by DEK*
From: Brian Jack, Utilities Superintendent *BJ*
Date: September 24, 2014
Subject: Civic Center Reservoir Facility, Garfield Lift Station and Westmore Lift Station Standby Generator Improvements

BACKGROUND

The Department of Public Works is recommending that permanent on-site generators be installed at two lift station locations and one water pumping station: Garfield Sanitary Lift Station located at 1100 N. Garfield Street, Westmore Sanitary Lift Station located at 1053 S. Westmore Avenue, and Civic Center Reservoir Facility located at 1030 S. Stewart Ave. The Village made commitments through its Capital Improvement Plan (CIP) to address identified problems at these stations which come under duress during power outages. These stations have been affected by repeated power outages throughout the years and currently do not have any onsite backup generator.

The Civic Center Reservoir Water Booster Pumping Station Facility located at 1030 South Stewart Avenue was programmed to have its existing generator replaced. This generator was installed in 1981 and has reached the end of its useful life. The generator at Civic Center is currently installed inside the building and consists of an outside underground diesel tank. Accessing both units for maintenance purposes has become problematic due to their location. The current diesel tank will be removed and the old generator will be decommissioned. The new generator will be placed outside the building on a new concrete pad and will rest on top of a belly-mounted diesel tank. The proposed generators will also meet all applicable Environmental Protection Agency (EPA) emission requirements as required by law.

The electrical design for this project was awarded to Christopher B. Burke Engineering LTD, (CBBEL) of Rosemont, Illinois. A separate contract for this work was issued by a resolution presented and approved by the Board at their April 17, 2014 meeting. Specifications and contract documents were prepared for bid solicitation by Christopher Burke Engineering.

BID RESULTS

To expedite installation and to minimize construction observation time, the Public Works Department directly solicited bids from five pre-selected electrical contractors who have successfully worked on previous Village projects. A mandatory pre-bid meeting was held on September 11, 2014. Two contractors failed to attend the pre-bid meeting and therefore were disqualified from submitting a bid. Of the three contractors who attended the mandatory pre-bid meeting, only one submitted a bid.

Bids were opened on September 23, 2014 at 11:00 AM and the results are listed below:

Company	Total
Genco Industries	\$263,595.00
Genco Industries – Corrected*	\$263,055.00
Engineer's Estimate	\$250,825.00
Village's Estimate	\$250,000.00

*CBBEL discovered a mathematical error for a sidewalk pay item at the Garfield Lift Station which was corrected from \$3,240.00 to \$2,700.00 resulting in a \$540.00 reduction in total bid amount. See attached CBBEL Bid Tabulation Review page one, item 2 in the review comments.

DISCUSSION

Several sources cited a late season bid and material price increases as possible reasons as to why the bid came in slightly higher than the engineer and Village estimates.

Village staff reached out to the other two potential bidders who declined to submit bids for this project in order to document their reasons for not bidding. Okeh Electric stated that they were maxed out on their bonding limits and were unable to submit a bid on this project. Thorne Electric on the other hand stated that due to other commitments and priorities, they were unable to guarantee a timely completion and therefore did not feel comfortable submitting a bid.

Staff has evaluated the one submitted bid and determined that Genco Industries, Incorporated of Crestwood, Illinois is the apparent low bidder and that the bid received is responsive to the bid request. The bidder submitted the required bid securities and also meets all the required bid qualifications. In addition to Public Works departmental staff review, the Design Engineer Christopher Burke Engineering also reviewed the bid. Christopher Burke Engineering has provided additional documentation and their recommendation. See attachment.

RECOMMENDATION

Public Works staff along with Christopher Burke Engineering is in agreement and recommend award of this contract in the amount of \$263,055.00 to Genco Industries, Incorporated of Crestwood, Illinois as the lowest responsible and responsive bidder. Genco Industries has done work for the Village in the past and their work has been satisfactory and timely. Genco Industries has provided all the necessary material and references as outlined in the bid specification.

Staff is also recommending that a ~10% contingency (\$26,305.50) be added to the contract to cover any unforeseen expenses. Additional costs could possibly include unforeseen underground conflicts, additional excavated material that may need to be removed and electrical conflicts with positioning and placement of certain components. The contingency would not be used without Director of Public Works approval and change orders documenting these unforeseen occurrences. The contingency would raise the total project cost to \$289,360.50 (\$263,055.00 base bid plus the contingency of \$26,305.50). Sufficient funds for this proposed contract exist in the current budget.

Please present this item to the President and Board of Trustees for their review and approval at their regular meeting on October 2, 2014.



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX(847) 823-0520

September 24, 2014

Village of Lombard
1051 S. Hammerschmidt
Lombard, IL 60148

Attention: Mr. Lukas Sharp
Water Treatment and Wastewater Pumping Supervisor

Subject: Bid Tabulation and Review
Civic Center Reservoir Facility, Garfield and Westmore Lift Stations
Standby Generator Improvements
(CBBEL Project No. 14-0120)

Dear Luke:

The Village of Lombard solicited proposals from several qualified contractors for the subject project. One proposal was submitted and opened on September 23, 2014 at 11:00 a.m. at the Public Works offices. The attached tabulation spreadsheet details the proposal. The proposal and Engineer's Opinion of Probable Construction Cost is summarized below.

COMPANY	PROPOSAL AMOUNT
Genco Industries, Inc. 13610 Kenton Avenue Crestwood, IL 60445	\$263,595.00 (As submitted) \$263,055.00 (As corrected by CBBEL)
<i>Engineer's Opinion of Probable Construction Cost</i>	<i>\$250,825.00</i>

Our review comments are as follows:

1. Genco Industries, Inc. (Genco) submitted the required bid security, acknowledgement of addenda and certifications.
2. Genco had a math error for the sidewalk pay item at the Garfield Lift Station which was corrected by CBBEL from \$3,240.00 to \$2,700.00 resulting in a \$540.00 reduction in the total bid amount. The submitted bid amount of \$263,595.00 should be reduced to \$263,055.00.

3. Genco and their electrical subcontractor, Okeh Electric, have successfully completed numerous projects similar in scope to the subject project and have recently completed the installation of 250 kW and 500 kW generators for the Village of Glendale Heights. CBBEL has had a favorable working experience with these Contractors on past projects including the referenced Village of Glendale Heights project. Both of these contractors are regularly engaged in lift station and water pump station projects and are knowledgeable in the unique operations of both types of facilities.

Christopher B. Burke Engineering, Ltd. (CBBEL) recommends the Village of Lombard award a contract in the amount of \$263,055.00 to Genco Industries, Inc. for the subject project.

If you have any questions, please call.

Sincerely,



John P. Caruso, PE
Head, Mechanical/Electrical Engineering Department

JPC/pjb

VILLAGE OF LOMBARD

CONTRACT

CONTRACT DOCUMENT NUMBER WA 13 02

This agreement is made this _____ day of _____, 2014, between and shall be binding upon the Village of Lombard, an Illinois municipal corporation (hereinafter referred to as the "Village") and **Genco Industries, Inc.** (hereinafter referred to as the "Contractor") and their respective successors.

Witnessed, that in consideration of the mutual promises of the parties delineated in the Contract Documents, the Contractor agrees to perform the services and the Village agrees to pay for the following services as set forth in the Contract Documents:

Installation of Generators and pump controls at Civic Center Reservoir Facility, Garfield Lift Station and Westmore Lift Station

1. This contract shall embrace and include all of the applicable Contract Documents listed below as if attached hereto or repeated herein:
 - a. Contract Document Number WA 13 02 for CIVIC CENTER RESERVOIR FACILITY, GARFIELD LIFT STATION AND WESTMORE LIFT STATION STANDBY GENERATOR IMPROVEMENTS, consisting of the following:
 - i) Cover Sheet
 - ii) Table of Contents
 - iii) Notice to Bidders on Contract Document Number WA 13 02 - Legal Notice
 - iv) General Provisions
 - v) Special Provisions
 - vi) Plans and Specifications
 - b. The Contractor's Bid Proposal Dated: **September 23, 2014**
 - c. Required Performance and Payment Bonds and Certificate(s) of Insurance
 - d. Executed Bidder's Certification Form.
2. The Village agrees to pay, and the Contractor agrees to accept as full payment the amount as shown on the Contractor's Bid Proposal, which is made a part hereof, subject to such additions and deletions as agreed to by the parties hereto.

3. The Contractor shall commence work under this Contract upon written Notice to Proceed from the Village and shall complete work under this contract within **120** calendar days from the date of the Notice to Proceed. Time is of the essence in regard to this Contract, and the Contractor agrees to achieve completion within the time permitted by all proper and appropriate means including working overtime without additional compensation.
4. Pursuant to the provisions of Section 5 of the Mechanics' Lien Act of Illinois, prior to making any payment to the Contractor under this Contract, the Village demands that the Contractor furnish a written statement of the names of all parties furnishing labor and/or materials under this Contract and the amounts due or to become due each. This statement must be made under oath or be verified by affidavit. The Village shall not issue final payment nor shall any retained percentage become due until releases and waivers of lien have been supplied as the Village designates.
5. This Contract represents the entire agreement between the parties and may not be modified without the written approval of both parties.

IN WITNESS WHEREOF, the Village of Lombard, Illinois, and the Contractor have each hereunto caused this Contract to be executed by their respective duly authorized representatives this ____ day of _____ 2014.

If an individual or partnership, the individual or all partners shall sign or, if a corporation, an officer(s) duly authorized shall sign.

Genco Industries, Inc.
Print Company Name

Individual or Partnership _____ Corporation _____

Accepted this ____ day of _____, 2014.

By _____ Position/Title

By _____ Position/Title

THE VILLAGE OF LOMBARD, ILLINOIS

Accepted this ____ day of _____, 2014.

Keith Giagnorio, Village President

Attest: _____
Sharon Kuderna, Village Clerk

VILLAGE OF LOMBARD
 CIVIC CENTER RESERVOIR FACILITY, GARFIELD & WESTMORE LIFT STATION
 STANDBY GENERATOR IMPROVEMENTS
 CBREL PROJECT NO. 140120
 Bid Tabulation

Code No.	Description	Unit	Guarded Quantity	Bid Price	Bid Amount	Garfield Lift Station		Westmore Lift Station		Civic Center Reservoir Facility		TOTALS
						Unit	Amount	Unit	Amount	Unit	Amount	
20100101	REMOVE & REPLACE SHRUBBERY	L SUM	0									
2000100	EARTH EXCAVATION	L SUM	1	\$ 5,000.00	\$ 5,000.00							\$ 5,000.00
2101505	TOPSOIL EXCAVATION AND PLACEMENT	L SUM	1	\$ 1,500.00	\$ 1,500.00							\$ 1,500.00
25000100	SEEDING CLASS 1	L SUM	1	\$ 300.00	\$ 300.00							\$ 300.00
28002510	INLET FILTERS	EACH	1	\$ 200.00	\$ 200.00							\$ 200.00
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ FT	0	\$ 15.00	\$ 0.00							\$ 0.00
44000500	SIDEWALK REMOVAL	SQ FT	150	\$ 15.00	\$ 2,250.00							\$ 2,250.00
X0400250	FRENCH BACHFILL, SPECIAL	CU YD	5	\$ 40.00	\$ 200.00							\$ 200.00
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	\$ 5,000.00	\$ 5,000.00							\$ 5,000.00
ZZ0988207	PORTLAND CEMENT CONCRETE SIDEWALK, SPECIAL	SQ FT	150	\$ 15.00	\$ 2,250.00							\$ 2,250.00
01500001	TEMPORARY FENCING (SITE PROTECTION)	L SUM	1	\$ 2,500.00	\$ 2,500.00							\$ 2,500.00
024113001	DEMOLITION, REMOVAL AND ABANDONMENT	L SUM	1	\$ 8,000.00	\$ 8,000.00							\$ 8,000.00
043300101	CLASS BLOCK	L SUM	0	\$ 6,500.00	\$ 0.00							\$ 0.00
26051901	WIRE AND CABLE	L SUM	1	\$ 10,000.00	\$ 10,000.00							\$ 10,000.00
28052801	GROUNDING SYSTEM	L SUM	1	\$ 30,000.00	\$ 30,000.00							\$ 30,000.00
28053001	ELECTRICAL CONDUIT	L SUM	1	\$ 7,500.00	\$ 7,500.00							\$ 7,500.00
28050201	ELECTRICAL SERVICE AND DISTRIBUTION	L SUM	1	\$ 10,000.00	\$ 10,000.00							\$ 10,000.00
448250202	INSTALL PUMP CONTROL PANEL	L SUM	1	\$ 5,000.00	\$ 5,000.00							\$ 5,000.00
26361001	FURNISH & INSTALL MANUAL TRANSFER SWITCH #4	L SUM	0	\$ 15,000.00	\$ 0.00							\$ 0.00
263213001	INSTALL STANDBY GENERATOR	L SUM	1	\$ 10,000.00	\$ 10,000.00							\$ 10,000.00
26360001	INSTALL AUTOMATIC TRANSFER SWITCH	L SUM	1	\$ 5,000.00	\$ 5,000.00							\$ 5,000.00
	BONDS AND INSURANCE	L SUM	1	\$ 8,500.00	\$ 8,500.00							\$ 8,500.00
					TOTAL PROJECT COST	\$ 250,823.00						

ENGINEER'S ESTIMATE		SUMMARY	
ENGINEER'S ESTIMATE	\$ 250,823.00	GEMCO INDUSTRIES	
		GARFIELD LIFT STATION	\$ 67,315.00
		WESTMORE LIFT STATION	\$ 60,785.00
		CIVIC CENTER RESERVOIR FACILITY	\$ 122,723.00
		TOTAL COST	\$ 250,823.00
		(As Compiled by CBREL)	