


VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda
Bids and Proposals

TO : President and Village Board of Trustees
FROM : Scott Neihaus, Village Manager
DATE : June 15, 2015 Agenda Date June 18, 2015
TITLE : Waiver of Bids - Layne Christenson Company
SUBMITTED BY: Brian M. Jack, Utilities Superintendent 

RESULTS:

Date Bids Were Published _____ Bidding Closed _____
Total Number of Bids Received _____
Total Number of Bidders Meeting Specifications _____
Bid Security Required _____ Yes _____ No
Performance Bond Required _____ Yes _____ No
Were Any Bids Withdrawn _____ Yes _____ No
Explanation:
Waiver of Bids Requested? _____ X Yes _____ No
If yes, explain: Purchase is directly from manufacturer.
Award Recommended to Lowest _____ Yes _____ No
Responsible Bidder?
If no, explain:

FISCAL IMPACT:

Engineer's estimate/budget estimate N/A
Amount of Award \$32,992.00 Water & Sewer Capital Reserve Fund RM PROG 32
520.790.715.75420

BACKGROUND/RECOMMENDATION:

Waive bids and award a contract to Layne Christenson Company for Additional Repairs for Well #10 in an amount not to exceed \$32,992.00

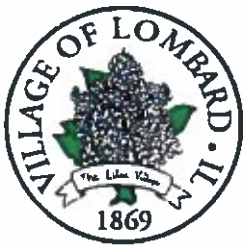
Has Recommended Bidder Worked for Village Previously X Yes ___ No
If yes, was quality of work acceptable X Yes ___ No
Was item bid in accordance with Public Act 85-1295? ___ Yes X No
Waiver of bids - Public Act 85-1295 does not apply X Yes

REVIEW (as needed):

Village Attorney XX _____ Date _____
Finance Director XX _____ Date _____
Village Manager XX _____ Date _____

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 4:30 pm, Wednesday, prior to the Board Agenda distribution.

MEMORANDUM



To: Scott Niehaus, Village Manager
From: Brian M. Jack, Utilities Superintendent *BMJ*
Through: Carl S. Goldsmith, Director of Public Works *CSG by DPZ*
Date: June 15, 2015
Subject: Waiver of Bids - Layne Christenson Company
 Well #10 Additional Repairs

Background

The Village Board approved a contract at the April 2, 2015 meeting to Layne Christenson Company for \$27,075 for the inspection, cleaning, and repairs to Emergency Backup Well #10 located at the Civic Center Reservoir water pumping station at 1030 S Stewart Ave.

This contract work was due to monthly water quality samples showing indications that a biofilm growth was prevalent in the casing of the well. A special sample was drawn from the well and sent to Water Systems Engineering for further analysis. Two items were discovered as a possible cause. Biofilm was discovered and serves as a protective environment for many microorganisms and could be causing the inconsistent water samples.

The well was removed to allow for the thorough cleaning and inspection of the well pump and casing to determine the cause of poor water quality samples and to identify structural defects with the well.

As some repairs were expected as a result of this inspection and accounted for in the original contract, more extensive repairs and rehabilitation are needed to ensure the well will perform at its peak efficiency when needed. This well is part of a system of four active wells that make up the emergency backup water supply in the event that the DuPage Water Commission cannot provide safe potable water to the Village.

Layne Christenson Company of Aurora IL, the original awardee of the cleaning and inspection contract, has provided the enclosed estimate of repairs for the well. The table below shows the original contract amount, additional work required, and total amount for the inspection, cleaning, and repairs of well #10.

CONTRACT FIRM	ORIGINAL CONTRACT	ADDITIONAL WORK	TOTAL
Layne Christenson Company, Aurora IL	\$27,075	\$32,992	\$60,067

Staff does not recommend soliciting additional quotes due to the fact that the original contract awardee currently has the well casing and pumping equipment at their facility performing the original contract work. Contractor can competently complete the additional

repairs in an expedited fashion as they have done so in years past. The Village can avoid requesting a waiver from the Illinois EPA for slipping the required monthly water testing from this well as it is out of service. Layne Christenson Company has performed satisfactorily in previous contracts with the Village in similar work .

Recommendations:

Please request the Board of Trustees to waive the formal bidding process and award a contract for the additional repairs needed Well #10 to Layne Christenson Company of Aurora, IL in an amount not to exceed \$32,992 at the June 18, 2015 meeting. Sufficient funds for this procurement exist in the current budget.

Please execute signature on the attached contract and return two copies to the Water Treatment and Wastewater Pumping Division for further processing.

VILLAGE OF LOMBARD

Contract for Well #10 Additional Repairs

This agreement is made this 18th day of June, 2015, by and between, and shall be binding upon, the Village of Lombard, an Illinois municipal Corporation hereinafter referred to as (the "Village") and Layne Christenson Company hereinafter referred to as (the "Contractor").

Witnesseth That in consideration of the mutual promises of the parties delineated in the Contract Documents, the Contractor agrees to sell and the Village agrees to pay for the following described items as set forth in the Contract Documents:

Well #10 Additional Repairs in an amount not to exceed \$32,992.00

1. This Contract shall embrace and include all of the applicable Contract Documents listed below as if attached hereto or repeated herein:
 - a. The Contractor's Proposal dated June 15, 2015
 - b. Required Certificate of Insurance, Indemnification, Venue, Other Contractor Responsibilities
2. The Village agrees to pay, and the Contractor agrees to accept as full payment for the items which are the subject matter of this Contract the total sum of \$32,992.00 paid in accordance with the provisions of the Local Government Prompt Payment Act and the provisions of the Contract Documents.
3. Risk of loss, destruction or damage of or to goods under this Contract shall be on contractor until delivery of the goods to the Village and acceptance of the goods by the Village.
4. The Contractor agrees to perform the terms of this Contract according to the following schedule set forth in their quotation after the Notice to Proceed has been delivered. Time is of the essence of this Contract.

IN WITNESS WHEREOF, the Village of Lombard, Illinois by Village President, and the Contractor have hereunto set their hands this 18th day of June, 2015.

If an individual or partnership, all individual names of each partner shall be signed or if a corporation, an officer duly authorized shall sign here:

Accepted this __ day of _____, 20__.

Individual or Partnership _____ Corporation _____

By Position/Title

By Position/Title

Print Company Name

THE VILLAGE OF LOMBARD, ILLINOIS

Accepted this 18th day of June, 2015.

Keith T. Giagnorio
Village President

Attest:

Sharon Kuderna
Village Clerk

VILLAGE OF LOMBARD
CONTRACTOR'S CERTIFICATION

_____, having been first duly sworn, depose and states as follows:

I _____ (Officer or Owner of Company) am _____ the _____ (Title) _____ (Name of Company) for

(the "Contractor"), which has submitted a proposal for Well #10 Additional Repairs to the Village of Lombard and, having personal knowledge of the matters certified to herein, and being authorized by the Contractor to make the certifications set forth herein, hereby certifies that said Contractor:

- 1. has a written sexual harassment policy in place, in full compliance with 775 ILCS 5/2-105(A) (4);
2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:
a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate revenue Act; or
b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement;
3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382, and that

(Name of employee/driver or "all employee drivers")

is/are currently participating in a drug and alcohol testing program pursuant to the aforementioned rules; and

- 4. is not barred from contracting with any unit of state or local government as a result of a violation of either Section 33E-3 or 33E-4 of Article 33E of the Illinois Criminal Code of 1961.

By: _____
Authorized Agent of Contractor

Subscribed and sworn to
before me this _____
day of _____, 2015.

Notary Public



June 15, 2015

Mr. Lukas Sharp
Village of Lombard
Department of Public Works
1051 Hammerschmidt Ave
Lombard, IL 60148

RE: Well No. 10

Dear Mr. Sharp:

As you know, we have recently pulled and inspected the 40 HP Byron Jackson submersible pump from Well No. 10. The complete pump was brought into our yard for cleaning and inspection & the well was also televised last week.

This letter will serve as our inspection report, as well as our updated repair cost estimate.

Pumping Equipment

- The existing bowl assembly is damaged beyond repair. There is a hole in the bowl as you have already seen on site, along with significant corrosion and erosion. We recommend replacing this bowl with a new Byron Jackson 4 stage - 10"MQH bowl assembly.
- The pipe is of mixed condition. Three (3) pieces are corroded with significant pitting. However, three (3) additional pieces have some minor thread damage, all of which can be cut and rethreaded and reused. The final four (4) pieces are in good condition and can be reused without any repair. There is also the need to replace four (4) couplings and the surge control valve. The original epoxy coating has started to flake off, so we added a cost for re-coating the pipe, ***if desired***.
- The 40 HP Byron Jackson Motor was modified in 2006 with a Sun-Star Type M double mechanical seal. It is strongly suggested to replace the mechanical seal each time the motor is removed from the well. That being said, our inspection indicates that the motor is mechanically and electrically sound, and can be reused with no additional repair aside from cleaning, inspection changing of oil and filter, etc. – we have split out the seal replacement cost, in case you would like leave the seal alone.

WATER RESOURCES

- The megger readings while pulling the pump were low with the power cable and Byron Jackson flat cable connected to the motor (20-25 megohms). The motor alone was infinity, or much, much higher. This indicates weakening of the cable insulation, and we would suggest complete replacement of both the round & flat cable.

Well 10 Condition / Rehabilitation Needs

- The well production is better than ever, with a higher Specific Capacity than when it was originally drilled. The decreased GPM readings on the included Well Test Data Sheet are, of course, due to the hole in the bowl assembly, allowing water to re-circulate back into the well.
- The television survey also showed the well to be in overall good, structural condition.
- There is some mild mineral deposit build-up throughout the entirety of the open bore hole. There is also 13 extra feet of sediment at the bottom of the well (TD = 232' vs. original depth = 255'), with very cloudy water in the last ~20 feet. This would be an "anaerobic" zone (as predicted in the WSE report) which is harboring anaerobic bacterial growth including possibly coliforms. This stagnant water and extra fill is likely the main contributing factor to the bad bacti samples, and would be the main focus during the well cleaning.
- We recommend that the fill be removed and the open borehole be brushed thoroughly, for an estimated 8 hours, followed by a 300ppm super-chlorination of the well. We would mix the 300ppm solution in our Chemical Treatment Unit (CTU) & inject into the well, along with several HTH tablets that will dissolve slowly & sink to the bottom zone. The repaired pump would then be immediately reinstalled with the solution circulated between the well and our CTU for further action, then neutralized with our CTU during the testing process.

A breakdown of the repair costs are updated as follows:

• Cut and thread 6" column pipe, 3 pieces	\$550.00
• Column Pipe Epoxy Coating (<i>if desired</i>), 202 ft. @ \$25.00/ft.	\$5,050.00
• Clean, inspect, & routine servicing of 40 HP BJ motor	\$2,850.00
• Replace double mechanical seal on 40 HP BJ motor	\$5,950.00
• New No. 4 power cable, 210' @ \$7.40/ft.	\$1,554.00



Mr. Lukas Sharp
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• New Byron Jackson flat cable	\$5,419.00
• New 4 Stage - 10 MQH cast iron bowl	\$8,433.00
• New 6" column pipe, 63' @ \$28.00/ft.	\$1,764.00
• New 6" couplings, 4 @ \$99.00 ea.	\$396.00
• New 6" surge control valve	\$1,026.00
TOTAL REPAIR ESTIMATE: LABOR, EQUIPMENT, AND MATERIALS	\$32,992.00

The above repair work and costs are in addition to the original P.O. of \$27,075.00.

We estimate that we could be back to return the well to service in 2 – 3 weeks.

We appreciate the opportunity to submit this report with updated repair costs. If you have any questions, do not hesitate to give me a call.

Sincerely,

Nathan Carpenter
Nathan Carpenter
Account Manager
Layne Christensen Company

