090806
DISTRICT 1

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 : David A. Hulseberg, Village Manager

DATE : December 18, 2009 Agenda Date January 7, 2010

TITLE : Olde Towne Lift Station Control Panel - Bid Waiver

SUBMITTED BY: Angela M. Podesta, Utilities Superintendent AMP

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Were Any Bids Withdrawn _____Yes _____No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:
Award Recommended to Lowest _____Yes _____No
Responsible Bidder?
If no, explain: Purchase from manufacturer's authorized distributor.

FISCAL IMPACT:
Engineer's estimate/budget estimate $67,475.00
Amount of Award $67,475.00

BACKGROUND/RECOMMENDATION:
Waive bids and award a contract to The Flolo Corporation to build and supply a control panel for the Olde Towne Lift Station in an amount not to exceed $67,475.00.

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: David A. Hulseberg, Village Manager

From: Angela M. Podesta, Utilities Superintendent AMP

Through: Carl S. Goldsmith, Director of Public Works CSG

Date: December 17, 2009

Subject: **Olde Towne Lift Station Control Panel Replacement**

Background

The Olde Towne Lift Station was built in 1997 as part of the Olde Towne Project to facilitate the separation of combined sewers. Initially the lift station was sized to serve the area west of Main Street, knowing that when the Olde Towne East Project east of Main Street was completed, the lift station would have to be retrofitted with larger pumps. The IEPA permit for the lift station was issued for the higher capacity pumps.

There are several components to this lift station upgrade and they are being installed independently of each other to keep the lift station operational at all times.

- A 20" valve was installed on the inlet pipe to enable the wet well to be isolated so crews can work in the wet well.
- The control panel needs to be upgraded to accommodate the larger pumps.
- New conduit needs to be installed from the wet well to the new control panel.
- New pumps will be installed.

In 2000, the Village developed a standard for lift station construction. The standardized control panel is built by The Flolo Corporation (Flolo), Bensenville, IL. Although not every control panel is identical due to pumping requirements, the layout is the same which aids in troubleshooting and many of the components are interchangeable which reduces parts inventory. Flolo has submitted a quote for the construction of the control panel in the amount of $67,475.00. This project is being funded by the Water & Sewer Capital Reserve Fund.

Recommendation

Please request the Board of Trustees to waive bids and award a contract in an amount not to exceed $67,475.00 for the construction of a control panel for the Olde Towne Lift Station to The Flolo Corporation of Bensenville, IL at their January 7, 2010 meeting.

The Flolo Corporation - Systems Group

December 03, 2009

Quotation # 09.10.03.84.0016 - Rev. 3
4 page(s)

Tom Ryan
Village of Lombard
1051 S. Hammerschmidt Avenue
Lombard, IL 60148-3926

Re: **Lombard Olde Towne Lift Station Panel Replacement**

Dear Mr. Ryan,

Thank you for giving **The Flolo Corporation, Flolo Systems Group** the opportunity to provide **Village of Lombard** with this revised proposal for a new pump control panel. Under this proposal **Flolo** will supply the following:

Control Panel

1. <u>UL Listed TriPlex Pump Control Panel</u> including:
   - 1 - NEMA 4X 304 stainless steel enclosure on 12" legs, doorstops, and data pocket
   - 1 - Fans and Louvers with bug screens and NEMA 4X rain hoods
   - 1 - Generator receptacle AR-2042S22
   - 1 - Sq D JDL36200 200A Main circuit breaker - 460 VAC, 3 Ph, 60 Hz. -- Line Power *[Sq D KAL 36200 is currently obsolete]*
   - 1 - Enclosure for line power circuit breaker [inside overall enclosure]
   - 1 - Sq D JDL36200 200A Main circuit breaker - 460 VAC, 3 Ph, 60 Hz. -- Generator Power
   - 1 - 200A Manual Transfer Switch - 460 VAC, 3 Ph., 60 Hz.
   - 2 - Time Mark A257B 3-Phase monitors w/ fuse protection [generator power/line power]
   - 1 - Sq D SDSA3650 Line surge arrestor
   - 1 - Enclosure 400W heater & circulation fan
   - 1 - Enclosure internal lighting
   - 1 - PMI 7300-ION 24 VDC power supply 3-Phase Power Meter w/ fuse protection & CT's
   - 1 - Sq D FAL34020 CCT primary circuit breaker
   - 1 - 5.0 KVA, 1 phase control/lighting transformer
   - 7 - AB 1489-A1 control circuit branch circuit breaker *[AB 1492-CB is obsolete]*
   - 1 - Lighting panel w/ (6) ground fault circuit breakers
   - 1 - IF24-12 24VDC, 12 Amp power supply
   - 3 - Sq D FAL34060 60 Amp pump branch circuit breakers
   - 3 - Siemens 30HP rated 3RW30 soft starters (30HP)
   - 3 - ESP-200 Overload relays (30HP)
   - 3 - Through-door overload reset operators
   - 3 - Flygt sub-meg modules miniCAS or ATC SMP120ABA25K seal leak monitors
   - 1 - Allen Bradley SLC 5/03 PLC with:
     - 1 - 1746P3 power supply
     - 1 - 1747-M13 memory module
     - 2 - 1746-IB16 discrete input module
     - 2 - 1746-OX8 relay output module
     - 1 - 1746-NI4 analog input module
     - 1 - Prosoft 3150-MCM Modbus comm module
   - 1 - Xycom ST400-AG41-24 HMI w/ cable
   - 1 - As required plug-in interface/logic relays
   - 1 - Radio modem ***supplied by others***

6 - Pilot Lights [push-to-test]
- **Pump #1 Run**
- **Pump #1 Fail**
- **Pump #2 Run**
- **Pump #2 Fail**
- **Pump #3 Run**
- **Pump #3 Fail**

4 - Selector Switches
- **Pump #1 - Hand / Off / Auto**
- **Pump #2 - Hand / Off / Auto**
- **Pump #3 - Hand / Off / Auto**
- **Float Lead/Lag - 1,2 / 2,3 / 3,1**

1 - Flow meter ***priced separately***
1 - US Filter/Consolidated level transducer & sensor ***priced separately***
2 - Interstate SRM-24 12 volt batteries
1 - 24VDC dual battery auto sense charger
1 - Tomar 490S1280 Microstrobe
1 - RoughLyte yard light - Com Ed power fail
1 - As required terminals for field wiring
2 - Float switches with 75' cords
1 - Set of spare fuses used in panel

Your price for Item 1 above described control panel and a limit of 16 hours of engineer's time for system start-up and training. **$ 59,930.00**

Panel Options:

O.1. Increase the Siemens 3RW30 soft starter to the 40HP size used at Cambria for common spare parts. **Add $ 506.00**

O.2. US Filter 15GSCD transducer system including: A1000 level transducer scaled to 0 -30' water, 75' sensor cable, N4X Plastic upper housing, 4-20 mA loop powered system, suspension system with 30' of stainless steel chain, and 4-20 mA intrinsically safe barrier. **Add $ 3,398.00**

O.3. Dynasonics Flowmeter DDFXD2-A1NA-NN with DT94-050-A050-N transducer with 50' of armored cable. *[Note Dynasonics 901 is obsolete.]* **Add $ 3,641.00**

Panel Notes:

N.1. Radio modem in its entirety is not a part of this offer.

N.2. Calibration of the Dynasonics Flowmeter is done at the factory prior to shipment. Pricing includes installation of operating parameters per the manual.

N.3. PLC program will be the Lombard standard duplex program that works with the Lombard SCADA system.

Installation Services

2. **Electrical Installation On-Site** based upon:

The FLOLO Corporation proposal for work at the Old Towne Lift Station site is as follows:

2.1. Provide and install a new Concrete Pad for the new Control Panel (priced separately) at the Southeast end of the Wet Well.

2.2. Provide and install a new 200 Amp, 600 Volt, 3 Phase, 4 Wire, Meter Can. The Meter Can will be mounted to the new Control Panel and piped to panel with 2" PVC Coated Rigid Conduit with (4) 3/0 THHN wires.

2.3. Provide and install (1) 2" PVC Coated Rigid Conduit run with (4) 3/0 THHN wires between the new Meter Can and the existing Com Ed Transformers.

2.4. Provide and install (4) 2" PVC Coated Rigid Conduit runs between the new Control Panel and the Wet Well. Three of these conduits will be used for the new Motor Pump Cables (supplied by others). The other pipe will be a spare.

2.5. Provide and install (2) 1" PVC Coated Rigid Conduit runs between the new Control Panel and the Wet Well. One of these conduits will be used for the new Level Transducer Cable (supplied by others). The other conduit will be used for the new High and Low Float Cables (supplied by others).

2.6. Provide and install (3) 1" PVC Coated Rigid Conduit runs between the new Control Panel and the Dry Well. One conduit will be for power to the Sump Pump. One conduit will be for water intrusion in Dry Well Float Cable (supplied by others). The last conduit will be for future use.

2.7. Provide and install pipe, wire and fittings with (3) #12 THHN wires in it for the Sump Pump Outlet in the Dry Well Pit.

2.8. Provide and install (1) 1" PVC Coated Rigid Conduit run between the new Control Panel and the Meter Pit for the new Flowmeter Cable (supplied by others).

2.9. Provide and install (1) in ground Junction Box between the Main Control Panel and the Wet Well, Dry Well and Flow Meter Pit.

2.10. Provide and install seal off for all pipes leaving the Panel and going into the Junction Box.R1

2.11. Provide and install (3) 10' x ¾" grounds rods in triangular pattern, one with ground pin (generator) connection, connected in a grid with 3/0 bare copper conductor back to the control panel.

Your price for Item 2 above described electrical installation services. **$ 52,863.00**

Installation Notes:

N.4. Village of Lombard to do preliminary excavating of the site, between the new Control Panel location and the entry points for the Conduits at the Wet Well, Dry Well and Meter Pit.

N.5. Village of Lombard to assist in the unloading, placing and mounting of the new Control Panel.

N.6. Village of Lombard will be responsible for the un-wiring and removal of the old Control Panel and Concrete Pad, the Ground Grid, the old Com Ed Power Feed to Panel, the old Pipes and Cables to the Wet Well, Dry Well and the Meter Pit.

N.7. Village of Lombard will be responsible for site restoration, patch or replacing of driveway asphalt, final grade of grass and seeding, patching of Wet Well, Dry Well and Meter Pit Conduit Holes.

N.8. Any cost incurred from Com Ed for secondary hookup to Transformers will be additional cost.

N.9. The cost of this proposal does not include the price of permits and fees required by the city, sales tax required by the state, and incoming freight charges.

N.10. The cost of this proposal is based on normal working days, Monday through Friday, excluding legal holidays. If any part of this job has to be done on premium time, an additional charge may apply.

Quotation # 09.10.03.84.0016 - Rev. 3
Quotation Valid for 30 Days
Delivery Drawings: 03 -- 04 Working Weeks ARO
Delivery Panel: 07 -- 08 Working Weeks ARA
Terms: Net 30 Days
FOB Point of Manufacture
Freight Prepaid and Added to the Invoice

Respectfully,

THE FLOLO CORPORATION

Michael R. McBlaine -- Ext. 270
Director of Engineering
Flolo Systems Group

cc: George Flolo -- TFC
Gregg Flolo -- TFC
Dennis Lamb -- TFC

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VILLAGE OF LOMBARD

CONTRACT

This agreement is made this 7th day of January, 2010, by and between, and shall be binding upon, the Village of Lombard, an Illinois municipal Corporation hereinafter referred to as (the "Village") and (_____) 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:

UL Listed TriPlex Pump Control Panel, soft start upgrade, transducer and flowmeter for the Olde Towne Lift Station in an amount not to exceed $67,475.00

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 Quotation #09.10.03.84.0016 – Rev. 3 Items 1, O.1, O.2 and O.3 Dated December 4, 2009

   b. Required Certificate of Insurance

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 $67,475.00 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. Contractor agrees to perform the terms of this Contract by May 15, 2010. Time is of the essence of this Contract.

5. Where the terms of this Contract conflict with the provisions of the Contract Documents, the Contract Documents shall be binding.

IN WITNESS WHEREOF, the Village of Lombard, Illinois by William J. Mueller, Village President, and the Contractor have hereunto set their hands this 7th day of January, 2010.

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 7th day of January, 2010.

_____
William J. Mueller
Village President

Attest:

_____
Brigitte O'Brien
Village Clerk