

## AGENDA

### RULES MEETING OF THE BOARD OF TRUSTEES VILLAGE OF PARK FOREST, COOK AND WILL COUNTIES, ILLINOIS

Village Hall

7:00 p.m.

April 1, 2019

Roll Call

1. Landscape Maintenance Contract Renewal
2. Award of Contracts for Water Treatment Chemicals
3. Contract for Fiscal 2020 Curb and Sidewalk Restoration Program
4. Contract for Fiscal 2020 Asphalt Patching Program
5. Contract for Fiscal 2020 Residential Water Shut Off Valve Replacement
6. Award of Contract: Well Maintenance, Well No. 1

Mayor's Comments

Manager's Comments

Trustee's Comments

Attorney's Comments

Clerk Comments

Audience to Visitors

Adjournment

Agenda Items are Available in the Lobby of Village Hall and on the Village website  
[www.villageofparkforest.com](http://www.villageofparkforest.com)

Any individual with a disability requesting a reasonable accommodation in order to participate in a public meeting should contact the Village Manager's Office at least 48 hours in advance of the scheduled meeting. The Village Manager's Office can be reached via telephone at (708) 283-5605 or (708)748-1129 or via e-mail at [athurston@vopf.com](mailto:athurston@vopf.com). Every effort will be made to allow for meeting participation.

## **AGENDA BRIEFING**

**DATE:** March 25, 2019

**TO:** Mayor John Ostenburg  
Board of Trustees

**FROM:** Robert Gunther  
Director of Recreation & Parks

**RE:** Landscape Maintenance Contract Renewal

### **BACKGROUND/DISCUSSION:**

Mowing contracts approved by the Board in 2018 include the option to renew them annually for two additional years, per approval of both parties. Last season's mowing was divided into two contracts and awarded to two companies. Suburban Landscaping was awarded Areas 1 – 10, which includes the municipal buildings and other high visibility locations and Dutch Valley Landscape Contractors was awarded Areas 12 – 18 which includes vacant lots and various commercial properties. Overall, staff was satisfied with the performance of Dutch Valley Landscape Contractors during the 2018 season and has spoken with representatives of this company about renewing the contract for the 2019 season under the same terms and conditions as the original contract. Included is the letter from Dutch Valley Landscape Contractors indicating their agreement to renew this contract.

For several reasons which include quality and thoroughness of work as well as excess staff time to manage work performed under the contract, staff was not satisfied with the performance of Suburban Landscaping and will not recommend renewing this contract. Staff will be placing the Landscape Maintenance Contract for Areas 1 – 10 for public bid.

Staff recommends that the contract for Areas #12 - #18 with Dutch Valley Landscape Contractors from Beecher be renewed for the 2019 season. Biweekly cost to be \$2,966.00 with an anticipated season cost of \$41,524.00.

**SCHEDULE FOR CONSIDERATION:** This item will appear on the Agenda of the Rules Meeting of April 1, 2019 for your consideration.



1559 Sawgrass Lane  
Beecher, IL 60401  
708.946.2449

January 29, 2019

Village of Park Forest  
Robert Gunther  
Director of Recreation & Parks  
350 Victory Dr.  
Park Forest, IL. 60466

Dear Robert,

This letter is to formally inform you that Dutch Valley, Inc. would like to renew our Lawn Maintenance, Areas #12 - #18 contract for the 2019 season. The pricing and mowing schedule will remain the same as the 2018 contract.

We appreciate your business and look forward to working with you again in 2019.

NAME: Village of Park Forest  
ADDRESS: 350 Victory Dr.  
Park Forest, IL. 60466

Submitted by:  
Dutch Valley, Inc.  
1559 Sawgrass Lane  
Beecher, IL 60401

PHONE NO.: (708) 283-5648  
FAX NO.:  
EMAIL: RGunther@vopf.com

(708) 946-2449  
(708) 534-1138  
Jason@dutchvalleyinc.net

APPROVED BY : Robert Gunther

Jason Musch

BUYERS SIGNATURE: \_\_\_\_\_

*Jason Musch*

DATE: \_\_\_\_\_

1/29/2019

## **AGENDA BRIEFING**

DATE: March 25, 2019

TO: Mayor Ostenburg  
Board of Trustees

FROM: Nicholas Christie – Assistant Director of Public Works/Village Engineer

SUBJECT: Award of Contracts for Water Treatment Chemicals

### **BACKGROUND/DISCUSSION:**

On Tuesday, March 19, 2019, at 2:00 P.M., the Department of Public Works opened 9 bids for the annual supply of Water Treatment Chemicals for use at the Water Treatment Plant. The bid was advertised in the Daily South Town newspaper, mailed directly to 16 known suppliers, and advertised on the Village website. Due to the various chemicals needed for water treatment, the bids are advertised so that each chemical can be awarded separately to any lowest bidder. There were two bidders for Salt, two bidders for Carbon Dioxide, two bidders for Bulk Soda Ash, and three bidders for Quicklime. See attached bid tab.

Due to variations in water demand over the course of a year, the water plant may be required to produce more or produce less water to meet demand. Therefore, DPW included a contract provision stating that, “The Village may increase or decrease final quantities by 25% without change in unit prices.” Below is a breakdown of chemicals, lowest bidders, and costs.

- Hydrofluosilicic Acid is used as a fluoride supplement to help prevent tooth decay. However, since the value of this chemical is historically well below \$25,000, DPW has removed the chemical from this contract and will seek quotes separately.
- Salt is used to produce Sodium Hypochlorite which is used as the disinfectant at the plant and in the distribution system. However, since the value of this chemical is historically well below \$25,000, DPW has removed the chemical from this contract and will seek quotes separately.
- Carbon Dioxide is used to reduce the pH and stabilize the water after lime softening. Air Products is the lowest bidder in the amount of \$107.00/ton totaling \$34,668.00. The current unit price is \$110.00/ton.

- Soda Ash is used to remove non carbonate hardness in the raw water and thereby help remove water hardness in the treatment process. Univar USA is the lowest bidder in the amount of \$438/ton totaling \$362,664.00. Current unit price is \$433.69/ton.

**Last year, DPW was not satisfied with Univar due to reliability of the deliveries and recommended awarding to the second bidder. During the course of the past year, we have been in contact with Univar about our concerns. This year, staff recommends awarding to Univar USA based upon a verbal commitment to provide better reliability to the Village.**

- High Calcium Quicklime (Calcium Oxide) is used in the water softening process at the Water Plant to remove water hardness and high levels of calcium found in the raw water drawn from the wells. Graymont Western Lime is the lowest bidder in the amount of \$162/ton totaling \$210,600.00. Current unit price is \$159/ton.
- Blended Polyphosphate is used to control corrosivity in the water supply. The version DPW currently uses, WSU 358, is made by Water Solutions Unlimited. Other versions of blended polyphosphates have separate chemical formulations that have the potential to negatively affect the corrosivity of the water. However, DPW was able to negotiate a cheaper cost for Blended Polyphosphate, WSU 358, from Water Solutions Unlimited. The attached letter agrees to a cost of \$2.50/pound totaling \$30,000.00. The current unit price is \$2.65/ton

Purchases for these materials will begin July 1, 2019, therefore these purchases will be paid from the FY 20 Water Fund.

**RECOMMENDATION:** Award the contract to supply water chemicals to: Midwest Salt for Sodium Chloride (Salt), Air Products for Bulk Carbon Dioxide, Univar USA for Bulk Soda Ash, Graymont Western Lime for High Calcium Quicklime; and Water Solutions Unlimited for Blended Polyphosphate at the contract total prices and authorize the Village Manager to enter into a contract with said suppliers.

**SCHEDULE FOR CONSIDERATION:** This item will appear on the Agenda of the Rules Meeting of April 1, 2019, for your discussion.

	COMPANY	BULK CARBON DIOXIDE		BULK SODA ASH-LIGHT		QUICKLIME	
		324	Tons	828	Tons	1300	Tons
		UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL
		PRICE	BID	PRICE	BID	PRICE	BID
1	Univar, USA			\$438.00	\$362,664.00		
2	Mississippi Lime					\$253.40	\$329,420.00
3	Praxair	\$107.50	\$34,830.00				
4	Viking						
5	Brenntag Mid-South			\$449.00	\$371,772.00		
6	Carmeuse Lime					\$252.43	\$328,159.00
7	Graymont					\$162.00	\$210,600.00
8	Air Products	\$107.00	\$34,668.00				
9	Midwest Salt						



**WATER  
SOLUTIONS  
UNLIMITED**

Mr. David Vavrek

Park Forest Water Department

Park Forest, IL

Dave,

Water Solutions Unlimited agrees to provide Polyphosphate, used for corrosion control in the water system, to the Village of Park Forest from the periods of July 1, 2019 until June 30, 2020 for \$2.50 per pound. This is \$0.15 less than current years pricing. It is acknowledged that the Village assumes to use 12,000 pounds in that term, for an estimated cost of \$30,000. However, it is also acknowledged that usage may vary and the Village is not obligated to purchase any predetermined volume to maintain the quoted price. All other terms and conditions of our current agreement with the Village are agreed to for the July 1, 2019 until June 30, 2020 term.

Regards,

Mark McKee

WSU

[getwsu.com](http://getwsu.com)

1-800-359-3570

P.O. Box 15  
8824 Union Mills Driv  
Camby, IN 46111

## **AGENDA BRIEFING**

**DATE:** March 25, 2019

**TO:** Mayor John Ostenburg  
Board of Trustees

**FROM:** Nicholas Christie – Assistant Village Engineer - DPW

**RE:** Contract for Fiscal 2020 Curb and Sidewalk Restoration Program

### **BACKGROUND/DISCUSSION:**

On Wednesday, March 20, 2019 at 2:00 p.m., the Department of Public Works opened 6 bids for the Fiscal 2020 Curb and Sidewalk Restoration Program Contract. Invitations to bid were published in the *Daily Southtown* Newspaper and on our website. A total of 17 qualified bidders requested access to view the Bid documents. Olthoff, Inc., located in Chicago Heights, IL, was the lowest bidder in the amount of \$115,104.80. This was lower than the Engineer's Estimate of \$119,480.00. See attached Bid Tab. This contract will replace concrete that was broken during water main breaks, sewer repairs, or tripping hazards. The Contractor is required to respond once the Village had accumulated over 40 cubic yards in work orders. It is approximated the Contractor will perform work through 3 separate mobilizations over the fiscal year.

Olthoff, Inc. has not worked in the Village previously. However, they have provided references that spoke highly of their work. Additionally, we received sufficient documentation and paperwork required by the bid proposal documents to qualify for awarding of this contract.

**RECOMMENDATION:** Award the Fiscal 2020 Curb and Sidewalk Restoration Program contract to Olthoff, Inc located in Chicago Heights, IL, and authorize the Village Manager to enter into said contract in the amount of \$115,104.80 with a 10% contingency for any additional work as determined by the Village Engineer for a total cost not to exceed \$126,615.28. Funds for the work are located in the General, MFT, Sewer, and Water Funds in the Fiscal 2020 Budget. The contingency accounts for an unknown volume of utility repair restoration.

**SCHEDULE FOR CONSIDERATION:** This item will appear on the Agenda of the Rules meeting of April 1, 2019 for your discussion.



				Engineers Estimate		OLTHOFF, Inc.		Precision Grading and Excavating		Davis Concrete Construction Co.	
		UNIT	TOTAL QUANTITY	UNIT PRICE	EXTENDED	UNIT PRICE	EXTENDED	UNIT PRICE	EXTENDED	UNIT PRICE	EXTENDED
<b>ESTIMATED UTILITY RESTORATIONS (1 YEAR)</b>											
1	FURNISH AND INSTALL PCC SIDEWALK (5" THICK)	SQ. FT	1,900	\$8.24	\$15,656.00	\$7.38	\$14,022.00	\$7.50	\$14,250.00	\$8.50	\$16,150.00
2	FURNISH AND INSTALL PCC SIDEWALK AT DRIVE (6.25" THICK)	SQ. FT	300	\$9.27	\$2,781.00	\$8.61	\$2,583.00	\$8.50	\$2,550.00	\$9.35	\$2,805.00
3	FURNISH AND INSTALL PCC COMBONATION SIDEWALK (5" THICK)	SQ. FT	900	\$10.30	\$9,270.00	\$8.61	\$7,749.00	\$8.95	\$8,055.00	\$10.35	\$9,315.00
4	FURNISH AND INSTALL PCC COMBONATION SIDEWALK AT DRIVE (6.25" THICK)	SQ. FT	450	\$11.33	\$5,098.50	\$10.33	\$4,648.50	\$9.75	\$4,387.50	\$11.00	\$4,950.00
5	FURNISH AND INSTALL DETECTABLE ADA WARNING PLATES	SQ. FT	40	\$25.75	\$1,030.00	\$29.43	\$1,177.20	\$25.00	\$1,000.00	\$37.50	\$1,500.00
6	FURNISH AND INSTALL VARIABLE CURB & GUTTER	L.F.	300	\$30.90	\$9,270.00	\$28.15	\$8,445.00	\$40.00	\$12,000.00	\$35.00	\$10,500.00
7	FURNISH AND INSTALL P.C.C. DRIVEWAY APRON	SQ. FT	1,500	\$9.27	\$13,905.00	\$8.11	\$12,165.00	\$8.00	\$12,000.00	\$9.35	\$14,025.00
8	FURNISH TRAFFIC CONTROL AND PROTECTION (TOTAL PER CALL OUT)	EA.	3	\$309.00	\$927.00	\$1,844.20	\$5,532.60	\$1,000.00	\$3,000.00	\$1,500.00	\$4,500.00
<b>ESTIMATED SIDEWALK AND CURB REPAIRS (1 YEAR)</b>											
9	REMOVE AND REPLACE PCC SIDEWALK	SQ. FT	3,000	\$8.24	\$24,720.00	\$7.81	\$23,430.00	\$7.50	\$22,500.00	\$8.50	\$25,500.00
10	REMOVE AND REPLACE PCC COMBONATION SIDEWALK	SQ. FT	2,700	\$10.30	\$27,810.00	\$9.23	\$24,921.00	\$9.15	\$24,705.00	\$10.60	\$28,620.00
11	REMOVE AND REPLACE VARIABLE CURB & GUTTER	L.F.	250	\$30.90	\$7,725.00	\$35.84	\$8,960.00	\$45.00	\$11,250.00	\$35.00	\$8,750.00
12	FURNISH AND INSTALL DETECTABLE ADA WARNING PLATES	SQ. FT	50	\$25.75	\$1,287.50	\$29.43	\$1,471.50	\$25.00	\$1,250.00	\$37.50	\$1,875.00
				<b>TOTAL</b>	<b>\$119,480.00</b>	<b>TOTAL</b>	<b>\$115,104.80</b>	<b>TOTAL</b>	<b>\$116,947.50</b>	<b>TOTAL</b>	<b>\$128,490.00</b>
						<b>Apparent Low Bidder</b>					

				J&J Newell Concrete Contractors, Inc.		Burrink Commercial Services		Strada Construction Co.	
		UNIT	TOTAL QUANTITY	UNIT PRICE	EXTENDED	UNIT PRICE	EXTENDED	UNIT PRICE	EXTENDED
<b>ESTIMATED UTILITY RESTORATIONS (1 YEAR)</b>									
1	FURNISH AND INSTALL PCC SIDEWALK (5" THICK)	SQ. FT	1,900	\$8.00	\$15,200.00	\$5.00	\$9,500.00	\$9.50	\$18,050.00
2	FURNISH AND INSTALL PCC SIDEWALK AT DRIVE (6.25" THICK)	SQ. FT	300	\$8.50	\$2,550.00	\$6.50	\$1,950.00	\$9.75	\$2,925.00
3	FURNISH AND INSTALL PCC COMBONATION SIDEWALK (5" THICK)	SQ. FT	900	\$8.95	\$8,055.00	\$7.00	\$6,300.00	\$10.50	\$9,450.00
4	FURNISH AND INSTALL PCC COMBONATION SIDEWALK AT DRIVE (6.25" THICK)	SQ. FT	450	\$10.00	\$4,500.00	\$8.50	\$3,825.00	\$10.75	\$4,837.50
5	FURNISH AND INSTALL DETECTABLE ADA WARNING PLATES	SQ. FT	40	\$30.00	\$1,200.00	\$30.00	\$1,200.00	\$22.00	\$880.00
6	FURNISH AND INSTALL VARIABLE CURB & GUTTER	L.F.	300	\$30.00	\$9,000.00	\$20.00	\$6,000.00	\$38.00	\$11,400.00
7	FURNISH AND INSTALL P.C.C. DRIVEWAY APRON	SQ. FT	1,500	\$8.00	\$12,000.00	\$6.50	\$9,750.00	\$10.00	\$15,000.00
8	FURNISH TRAFFIC CONTROL AND PROTECTION (TOTAL PER CALL OUT)	EA.	3	\$300.00	\$900.00	\$3,500.00	\$10,500.00	\$500.00	\$1,500.00
<b>ESTIMATED SIDEWALK AND CURB REPAIRS (1 YEAR)</b>									
9	REMOVE AND REPLACE PCC SIDEWALK	SQ. FT	3,000	\$7.45	\$22,350.00	\$10.00	\$30,000.00	\$9.50	\$28,500.00
10	REMOVE AND REPLACE PCC COMBONATION SIDEWALK	SQ. FT	2,700	\$11.50	\$31,050.00	\$11.00	\$29,700.00	\$10.50	\$28,350.00
11	REMOVE AND REPLACE VARIABLE CURB & GUTTER	L.F.	250	\$30.00	\$7,500.00	\$40.00	\$10,000.00	\$38.00	\$9,500.00
12	FURNISH AND INSTALL DETECTABLE ADA WARNING PLATES	SQ. FT	50	\$30.00	\$1,500.00	\$30.00	\$1,500.00	\$22.00	\$1,100.00
				<b>TOTAL</b>	<b>\$115,805.00</b>	<b>TOTAL</b>	<b>\$120,225.00</b>	<b>TOTAL</b>	<b>\$131,492.50</b>

## **AGENDA BRIEFING**

**DATE:** March 21, 2019

**TO:** Mayor John Ostenburg  
Board of Trustees

**FROM:** Nicholas Christie – Assistant Village Engineer - DPW

**RE:** Contract for Fiscal 2020 Asphalt Patching Program

### **BACKGROUND/DISCUSSION:**

On Wednesday, March 20, 2019 at 2:30 p.m., the Department of Public Works opened 8 bids for the Fiscal 2020 Asphalt Patching Program Contract. Invitations to bid were published in the *Daily Southtown* Newspaper and on our website. A total of 18 qualified bidders requested access to view the Bid documents. Olthoff, Inc, located in Chicago Heights, IL, was the lowest bidder in the amount of \$98,724.00. This was lower than the Engineer's Estimate of \$125,268.00. See attached Bid Tab. This contract will patch streets where relatively small and defined pavement failures have occurred and where utility restorations are needed. Utility restorations are budgeted in the Sewer and Water Budgets and general street patches are budgeted in the General and MFT funds.

Olthoff, Inc. has not worked in the Village previously. However, they have provided references that spoke highly of their work. Additionally, we received sufficient documentation and paperwork required by the bid proposal documents to qualify for awarding of this contract.

**RECOMMENDATION:** Award the Fiscal 2020 Asphalt Patching Program contract to Olthoff, Inc, located in Chicago Heights, IL, and authorize the Village Manager to enter into said contract in the amount of \$98,724.00 with a contingency for any additional work as determined by the Village Engineer for a total cost not to exceed \$175,000. Funds for the work are located in the General, MFT, Sewer, and Water Funds of the Fiscal 2020 Budget.

This contract is for the entire fiscal year. The large contingency accounts for an unknown volume of utility repair restoration. Also, DPW will need to evaluate the best use of its General Fund dollars in consideration of the proper split between patching and next year's full road resurfacing program. The contingency allows for flexibility in planning, while not exceeding the Contractual Street Maintenance Line Item in the General Fund.

**SCHEDULE FOR CONSIDERATION:** This item will appear on the Agenda of the Rules meeting of April 1, 2019 for your discussion.

**BID TABULATIONS**  
**Fiscal 2020 Asphalt Patching Program**

3/20/2019

				Park Forest Estimate		M&J Asphalt Paving Company, Inc.		Pavement Systems, Inc.		Apparent Low Bidder Olthoff		Sanchez Paving	
ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT
1	Road Class D Patch 5 1/2" (Type 1)	150	SY	\$83.20	\$12,480.00	\$77.00	\$11,550.00	\$92.00	\$13,800.00	\$61.49	\$9,223.50	\$62.00	\$9,300.00
2	Road Class D Patch 5 1/2" (Type 2)	600	SY	\$67.60	\$40,560.00	\$74.00	\$44,400.00	\$90.00	\$54,000.00	\$58.27	\$34,962.00	\$60.00	\$36,000.00
3	Road Class D Patch 5 1/2" (Type 3)	600	SY	\$67.60	\$40,560.00	\$72.00	\$43,200.00	\$88.00	\$52,800.00	\$51.38	\$30,828.00	\$58.00	\$34,800.00
4	Road Class D Patch 5 1/2" (Type 4)	150	SY	\$62.40	\$9,360.00	\$70.00	\$10,500.00	\$86.00	\$12,900.00	\$48.48	\$7,272.00	\$56.00	\$8,400.00
5	Drive Class D Patch 5 1/2" (Type 1)	30	SY	\$93.60	\$2,808.00	\$82.00	\$2,460.00	\$85.00	\$2,550.00	\$62.73	\$1,881.90	\$70.00	\$2,100.00
6	Drive Class D Patch 5 1/2" (Type 2)	120	SY	\$72.80	\$8,736.00	\$80.00	\$9,600.00	\$80.00	\$9,600.00	\$54.36	\$6,523.20	\$68.00	\$8,160.00
7	Drive Class D Patch 5 1/2" (Type 3)	120	SY	\$72.80	\$8,736.00	\$77.00	\$9,240.00	\$75.00	\$9,000.00	\$53.22	\$6,386.40	\$66.00	\$7,920.00
8	Drive Class D Patch 5 1/2" (Type 4)	30	SY	\$67.60	\$2,028.00	\$72.00	\$2,160.00	\$70.00	\$2,100.00	\$54.90	\$1,647.00	\$64.00	\$1,920.00
				<b>BID TOTAL</b>	<b>\$125,268.00</b>	<b>BID TOTAL</b>	<b>\$133,110.00</b>	<b>BID TOTAL</b>	<b>\$156,750.00</b>	<b>BID TOTAL</b>	<b>\$98,724.00</b>	<b>BID TOTAL</b>	<b>\$108,600.00</b>
												<b>AS READ</b>	<b>\$132,000.00</b>

				McGill Construction Co. LLC		Gallagher Asphalt Corporation		Matthew Paving Inc.		D Construction	
ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT
1	Road Class D Patch 5 1/2" (Type 1)	150	SY	\$65.00	\$9,750.00	\$73.00	\$10,950.00	\$68.00	\$10,200.00	\$75.00	\$11,250.00
2	Road Class D Patch 5 1/2" (Type 2)	600	SY	\$60.00	\$36,000.00	\$66.00	\$39,600.00	\$62.00	\$37,200.00	\$75.00	\$45,000.00
3	Road Class D Patch 5 1/2" (Type 3)	600	SY	\$52.50	\$31,500.00	\$60.00	\$36,000.00	\$55.00	\$33,000.00	\$72.00	\$43,200.00
4	Road Class D Patch 5 1/2" (Type 4)	150	SY	\$50.00	\$7,500.00	\$58.00	\$8,700.00	\$50.00	\$7,500.00	\$72.00	\$10,800.00
5	Drive Class D Patch 5 1/2" (Type 1)	30	SY	\$70.00	\$2,100.00	\$77.00	\$2,310.00	\$75.00	\$2,250.00	\$85.00	\$2,550.00
6	Drive Class D Patch 5 1/2" (Type 2)	120	SY	\$55.00	\$6,600.00	\$69.00	\$8,280.00	\$65.00	\$7,800.00	\$85.00	\$10,200.00
7	Drive Class D Patch 5 1/2" (Type 3)	120	SY	\$52.50	\$6,300.00	\$64.00	\$7,680.00	\$63.00	\$7,560.00	\$83.00	\$9,960.00
8	Drive Class D Patch 5 1/2" (Type 4)	30	SY	\$54.00	\$1,620.00	\$59.00	\$1,770.00	\$75.00	\$2,250.00	\$83.00	\$2,490.00
				<b>BID TOTAL</b>	<b>\$101,370.00</b>	<b>BID TOTAL</b>	<b>\$115,290.00</b>	<b>BID TOTAL</b>	<b>\$107,760.00</b>	<b>BID TOTAL</b>	<b>\$135,450.00</b>

## **AGENDA BRIEFING**

**DATE:** March 25, 2019

**TO:** Mayor John Ostenburg  
Board of Trustees

**FROM:** Nicholas Christie – Assistant Village Engineer - DPW

**RE:** Contract for Fiscal 2020 Residential Water Shut Off Valve Replacement

### **BACKGROUND/DISCUSSION:**

Often, DPW is required to turn off water to residential homes by using the water valve on the outside service line, commonly referred to as a b-box. However, as the Village ages, these valves will occasionally not function for a variety of reasons including seizure from non-use and ground shift. In these cases, DPW will need to replace the valves.

For many years, there was an excessive list of b-boxes needing replacement that staff could not keep up with. So, in the spring of 2016, it was decided to start to contract out some of this work. Since that point, 385 b-boxes to date have been replaced by contractors. However, a list of approximately 500 still remain to be replaced. Therefore, DPW once again bid the residential water shut off valve replacement contract.

On Thursday, March 21, 2019 at 2:00 p.m., the Department of Public Works opened 3 bids for the Fiscal 2020 Residential Water Shut off Valve Replacement Contract. Invitations to bid were published in the Daily Southtown Newspaper and on our website. A total of 10 qualified bidders requested access to view the Bid documents. Calumet City Plumbing, located in Calumet City, IL, was the lowest bidder in the amount of \$80,475. This was lower than the Engineer's Estimate of \$103,101.30. See attached Bid Tab.

Calumet City Plumbing has performed this contract for the Village the past three years and we are satisfied with their work. Funds for the work are located in the Water Fund in Fiscal 2020 budget.

**RECOMMENDATION:** Award the 2020 Residential Water Shut off Valve Replacement contract to Calumet City Plumbing, located in Calumet City, IL, and authorize the Village Manager to enter into said contract in the amount of \$80,475.00 with a contingency for any additional work as determined by the Village Engineer for a total cost not to exceed \$125,000. While the contract proposes to replace 105 valves over the Fiscal year, the contingency reflects that it is in the interest of the Village to replace as many as possible within the constraints of the Budget.

**SCHEDULE FOR CONSIDERATION:** This item will appear on the Agenda of the Rules meeting of April 1, 2019 for your discussion.

Park Forest Public Works  
 350 Victory Drive  
 Park Forest, IL 60466

Fiscal 2020 Residential Water Shut Off Replacement Bid Tabulation

3/21/2019

			Engineers Estimate		Archon Construction 563 South Route 53 Addison, IL 60101		Calumet City Plumbing 281 River Oaks Drive Calumet City, IL 60409		M & J Underground 26603 S. Governors Hwy. Monee, IL 60449	
	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
Single Water Shut Replacement	25	EA.	\$1,368.58	\$34,214.50	\$2,041.00	\$51,025.00	\$1,195.00	\$29,875.00	\$1,830.00	\$45,750.00
Duel Water Shut Replacement	40	EA.	\$1,722.17	\$68,886.80	\$2,378.00	\$95,120.00	\$1,265.00	\$50,600.00	\$2,075.00	\$83,000.00
			Total	<b>\$103,101.30</b>	Total	<b>\$146,145.00</b>	Total	<b>\$80,475.00</b>	Total	<b>\$128,750.00</b>
					<i>As Read</i>	<i>\$166,555.00</i>				

## **AGENDA BRIEFING**

DATE: March 25, 2019

TO: Mayor Ostenburg  
Board of Trustees

FROM: Nicholas Christie, Assistant Village Engineer

SUBJECT: Award of Contract: Well Maintenance, Well No. 1  
*Supplemental Agreement #2 to Air Burst*

### **BACKGROUND/DISCUSSION:**

In October, DPW notified the Board that televised inspections of the Well #1 steel casing showed significant structural damage. In an effort to save the Well, Water Well Solutions recommended the best course of action would be to line with a new 12" steel casing. It was estimated that it would cost \$65,923.33 in additional parts and labor. After approval, Water Well Solutions proceeded with the work. However, the condition of the existing casing was discovered to be in even worse condition than assumed. The new seal against existing casing failed during installation and secondary seals had to be installed at a lower elevation. Due to this failure, many more man hours and materials were needed to line the Well than was anticipated. Water Well Solutions has honored their agreement with the Village, and has agreed to not charge many of the additional hours that they have into this project.

The additional labor and materials needed to satisfactorily line the Well has come with an unintended consequence. The original production of the Well was near 1,000 gallons per minute (gpm). Currently, the production is only half of the original, at about 500 gpm. It is suspected that the failure of the seal may have caused cement grout to migrate into voids in the limestone, limiting production. In order to bring the Well back to its original production rate, Water Well Solutions recommends a process called "Air Bursting". In this process, a device is lowered into the Well that bursts air into the limestone wall, opening up water production zones.

Water Well Solutions has provided DPW with a detailed proposal for the additional work in the amount of \$39,805.50, see attached. It should be noted that a 15% discount was applied to the proposal based upon the previous work. This brings the contract value to \$238,286.56. DPW recommends amending the proposal with the intention of maximizing the production of the Well as close as possible to the original. DPW does not believe a budget amendment will be required to perform the work. In this year's budget, \$146,300 was allocated to line the Well 2 water line. While DPW is in the process of designing this project, construction will be delayed until Fiscal 2020. Budgeted funds from the Well 2 project will be used to complete Well 1.

**RECOMMENDATION:** Amend the Well Maintenance – Well No. 1 agreement with Water Well Solutions from \$198,481.06 to \$238,286.56 with a 10% contingency on the additional work for a total not to exceed cost of \$242,267.11.

**SCHEDULE FOR CONSIDERATION:** This item will appear on the Agenda of the Rules meeting of April 1, 2019 for your discussion.



# WATER WELL SOLUTIONS

Illinois Division, LLC

710B Herra Street  
 Elburn, IL 60119  
 888-769-9009 fax 920-474-4771

## PROPOSAL TO

Date 3/5/2019

Job Name

Well No. 1

Company: Village of Park Forest

Airburst with Acid

Address: 350 Victory Drive

City: Park Forest, IL 60466

Attention: Nick Christie

Phone: 708-503-7702

E-mail: [nchristie@VOPF.COM](mailto:nchristie@VOPF.COM)

Fax:

Qty	Description	Unit Price	TOTAL
10	Hrs. Labor with a (2) man pump crew to pull the pumping equip	\$350.00	\$3,500.00
<b>Well Rehabilitaiaon Methodology:</b>			
1	Alrburst® Mechanical Well Rehabilitation	\$9,550.00	\$9,550.00
1	Labor to Conduct Airburst Well Rehabilitation	\$3,500.00	\$3,500.00
1	Install Purge Pump and pressure acidization equipment, Hy-Rip	\$3,500.00	\$3,500.00
1500	Gallons Well Treatment Chemistry	\$7.12	\$10,680.00
20	Hrs. Labor with a (2) man pump crew to monitor well chemistry and surge chemistry into formation	\$350.00	\$7,000.00
10	Hrs Bailing - Hourly rate if necessary	\$350.00	\$3,500.00
<b>Pump Re-Installation:</b>			
16	Hrs Labor with a (2) man crew to reinstall pumping equipment and test well for production	\$350.00	\$5,600.00
<b>15% Discount on services for this work.          Subtract \$7,024.50 from the total listed below right column.</b>			

**NOTE ON MATERIAL PRICES:** The material prices noted above are based on current market prices. The price for steel, copper and other materials are volatile. Therefore, we must reserve the right to adjust the above material prices based on market pricing the date your order is signed and returned to us. In order to hold the current pricing, it will be necessary to immediately order the materials. Further, Water Well Solutions will bill for the materials so ordered at the same time. Your signature below constitutes agreement to be billed for those materials ordered and is your further agreement to pay, within 30 days of invoice date, for those materials ordered.

\$39,805.50 ←

Total Amount Proposed \$46,830.00 - 15%

CLIENT	WATER WELL SOLUTIONS ILLINOIS DIVISION LLC
The above prices, specifications and conditions are satisfactory and are hereby accepted. Water Well Solutions is authorized to do the work as specified. Payment will be made within thirty (30) days of invoice date, or as outline above.	All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders and will become an extra charge over and above this proposal. All agreements are contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other insurance.
BY: _____ DATE: _____	BY: _____ DATE: _____





**Water Well Solutions**

Water Well Solutions proudly represents "AirBurst® Technology" as an innovative water well rehabilitation technology. AirBurst® is a proven, comprehensive rehabilitation and development process for all types of water wells.

Water Well Solutions continues to be a leader in the well rehabilitation field. As an original AirBurst® licensee, we assisted in the initial development of the process, and continue to pursue innovative ways to enhance the technology. Our cutting edge approach has provided our clients with hundreds of successful applications (references available upon request).

Water Well Solutions is the authorized dealer for AirBurst® throughout the Midwest.

Water Well Solutions Illinois Division, LLC.  
44W158 Keslinger Rd.  
Elburn, IL 60119

Water Well Solutions Service Group, Inc.  
N87 W36051 Mapleton St.  
Oconomowoc, WI 53066

888-769-9009 • Fax 920-474-4771  
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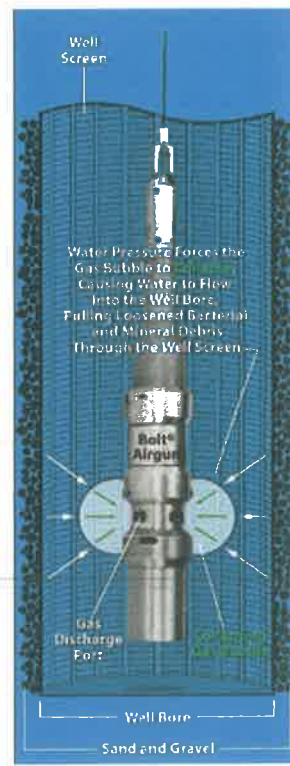
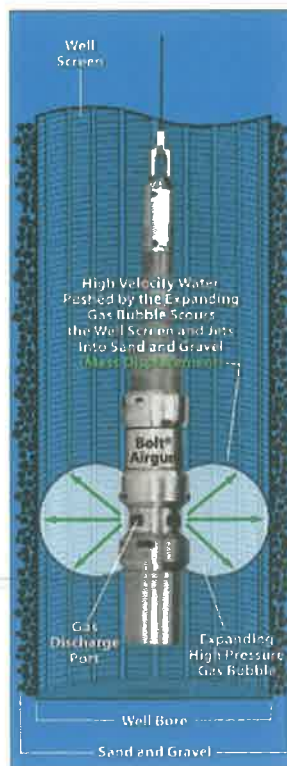
# AIRBURST®

## Technology



Your Exclusive and Only Licensed AIRBURST® Provider in Wisconsin and Northern Illinois!

### The Powerful Rehabilitation and Development Process for all Water Well Types.



Underwater photo of Bolt Air Gun taken 15/1000 of a second after firing

**NO CHEMICALS  
NO EXPLOSIVES  
ENVIRONMENTALLY  
FRIENDLY**

Compressed air or inert gas are the sources of AIRBURST® energy, providing an effective and responsible green alternative to other methods.

# MORE BANG FOR YOUR BUCK!



AirBurst is an All-American based technology and a one of a kind patented process that uses high pressure air or inert gas to stimulate selected zones within the formation by generating high-energy pressure pulses in the well. This energy generates acoustic waves that break up and remove mineral scales, silts, sedimentation and bio-films from the bore hole wall or well screen. With the energy being released at 15/1000 of a second after firing, it generates an air bubble that expands and collapses inside the well. This provides a intense surging action that generates a mechanical cleaning of the well as the bubble expands and collapses. As the bubble collapses, it creates a negative pressure zone in the well that draws mineral and biological debris dislodged from the formation during the process for easy removal with a bailer.

## AIRBURST® Advantages

A single AirBurst® air gun has numerous interchangeable firing chambers to assure you of a tailored fit in any well of any construction. We have 6 various sized air guns and 22 chambers of various capacities available.

ONLY AirBurst® electronically and precisely controls the air gun energy discharge to allow dislodged debris to settle before the next burst occurs. Electronic firing puts the energy control in the hands of our technician. Only AirBurst® can deliver the exact number of bursts per foot, at a controlled interval, at the desired pressure and at the exact location within the well.

AirBurst® gun ports are also designed to provide maximum energy release by maximizing port area and internal throat size. The energy range we have available is 2 grains of TNT to 910 grains (2 pounds of TNT). We have the right tools for the smallest and most fragile well to the biggest tools available to develop rock wall wells. Precise pressure regulation allows the AirBurst® process to develop sustainable, controlled and exactly repeatable energy discharges. A constant energy level is maintained as the air gun is raised in the well and the hydrostatic pressure decreases. There is no guess work with AirBurst®.

## No One Compares to the Power of AirBurst®:

AirBurst® Model	5500LL	600A	2800LL	1900B&LL	1500C
Chamber sizes (cu. in.)	1 – 40	5 – 40	20 – 120	20 – 200	500
Max Working Pressure (psi)	2,500	2,500	2,500	3,000	3,000
Pulse Frequency and Pressure	Operator Controlled	Operator Controlled	Operator Controlled	Operator Controlled	Operator Controlled
Max. Pulse Energy @ 3000psi.)	27 grams TNT	27 grams TNT	68 grams TNT	109 grams TNT	910 grams TNT

### Water Well Solutions Illinois Division, LLC.

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Elburn, IL 60119

### Water Well Solutions Service Group, Inc.

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Oconomowoc, WI 53066

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www.WWSSG.com E-mail: info@WWSSG.com



**Water Well Solutions**

	Sandstone Well	Screened Well	Limestone Well
<b>BEFORE</b>	 Specific Capacity 0.8	 Specific Capacity 92.2	 Specific Capacity 1.2
<b>AFTER</b>	 Specific Capacity 2.7	 Specific Capacity 130	 Specific Capacity 44.93