

Request for Quote

Water Well Solutions

Well #4 Rehabilitation

The Watertown Water Department is seeking quotes for the service and rehabilitation of well #4 located at 409 Western Ave. This well contains a US Motors 50 HP premium efficient vertical turbine motor. The well was last rehabbed in July 2015. The 3-stage pump is set at a depth of 130ft and is currently pumping at an average of 1150 GPM.

The scope of work is to include pulling the well and checking the condition of the bowls, motor, column, and shaft. The well shall be sounded and videotaped when the pump has been removed. The contractor will supply a report with the findings of the status of the well and pulled equipment to the owner and discuss the findings before commencing the rehab.

1. Equipment and materials loading and mobilization to site.
2. Lock out the power supply and remove the pump.
3. Inspect equipment and provide a report on the condition of each.
4. Clean, check and straighten all shafts or recommended replacement.
5. Replace shaft couplings, sleeves, and bushings as needed.
6. Pressure wash all well piping and replace 8" Column pipe as needed.
7. Televis well to evaluate and determine what rehabilitation type is recommended if any.
8. Replace 3-stage Bronze Bowl Assembly with Lead-Free.
9. Bail from well after predetermined treatment to the original well depth (680 feet) – disposal of material to be coordinated with the owner, but the responsibility of the contractor.
10. Televis well to verify treatment method was adequate.
11. Disinfect well according to industry standards or at a minimum meet the requirements of Wisconsin Administrative Code NR 812.41 (1).
12. Complete installation of rehabilitated well pump and all associated equipment removed, tape wrap all joints/couplings.
13. Operate well to waste, neutralize well discharge until clear, and collect a sample for analysis.
14. Conduct a well yield performance test.
15. Replace the well pump and associated equipment including the stuffing box, reinstall the motor, test the pump, take water samples until safe water is verified, and put the well back into service.
16. Notify Wisconsin DNR and obtain, fill out and complete all the appropriate paperwork and reporting requirements for the owner and Wisconsin DNR.

Base Scope \$ 8,490.00

Possible Additions and Individual Line Items

Item #	Item Description	Units	Unit Price	
1	Shaft Couplings – Epoxy Coated ID and OD	Each	\$63.00	x 7 \$ 441
2	Shaft Sleeves	Each	\$70.00	x 7 \$ 490
3	Rubber Bearings	Each	\$78.50	x 7 \$ 549.50
4	Vesconite Bearings	Each	\$228.00	x 7 \$ 1,596
5	Steel Column Pipe with 10.5" outside diameter	Each	\$1,835.00	x 6 \$ 11,010
6	Sand Blast Epoxy Coat ID & OD Column Piping	VF	\$78.50	x 130 \$ 10,205
7	Replace 4 Stage Bronze Bowl Assembly with Lead-Free	Each	\$7,396.00	
8	Strainer	Each	\$1,125.00	
9	Stuffing Box Rehab	Each	\$350.00	
10	Replace Air Lines	Each	\$260.00	
11	Drill Well to the Original Depth	VF Hour	\$365.00	
12	Furnish and Install Airburst / Shock Equipment & Means of Diffusing Pressure	Each	\$6,500.00	
13	Airburst/shock at 5 blasts per foot	VF	\$13.75	x 130 \$ 1,787.5
14	Bailing after air burst/air shock	Hour	\$365.00	
15	Chemical treatment of well	Each	\$2,000.00	\$20,000.00 ~ 20,000

Please have Quote returned via email by January 18th 2023 at 10:00AM

Base Bid - \$ 8,490
 Add on items - \$ 62,440
 Total = \$ 70,930



January 18, 2023

City of Watertown
Attn: Tim Hayden
800 Hoffmann Drive
P.O. Box 477
Watertown, WI 53094-0477

RE: Watertown #4 Rehabilitation Request for Quote
Due date : January 18, 2023 @ 10 AM

Dear Mr. Hayden:

Municipal Well & Pump is pleased to provide this quote for the rehabilitation of Well #4 as per your invitation. Please note that our records from 2015 indicate the existing pipe is 10" and the pump is a 5 stage cast iron bronze fit unit operating at 1200 RPM.

Item #	Item Description	Qty.	Units	Unit Price	Extended Price
1	Mobilization				
2	LOTO & Pump Removal				
3	Inspect & Report				
4	Clean, Check & Straighten Shaft				
5	Replace Shaft Couplings, Sleeves & Bushings as Needed				
6	Pressure Wash Column Pipe & Replace as Needed				
7	Televise Well - Post Pump Pull				
8	Relace Bowl Assembly				
9	Bail Well				
10	Televise Well - Post Cleaning				
11	Disinfect Well				
12	Reinstall Pump, Tape Joints				
13	Pump to Waste & Sample				
14	Conduct Performance Test				
15	Place Well Back into Service				
16	WDNR Paperwork				
	Total Services Items 1-16 - Base Scope	1	LS	\$19,880.00	\$19,880.00
				-	-
	Possible Additions & Individual Line Items			-	-
1	10" Pipe Couplings - Epoxy Coated	1	EA	\$720.00	\$720.00 ^{x7}
2	1-1/2" x 1-11/16" x 7" 304 SS Shaft Sleeves	1	EA	\$70.00	\$70.00 ^{x7}

*5,040
*490

3	Rubber Bearings	1	EA	\$80.00	\$80.00	x12	560
4	Vesconite Bearings	1	EA	\$200.00	\$200.00	x7	1,400
24	10" x 9' 9-5/8" SCH 40 TBE Steel Column Pipe	1	EA	\$1,010.00	\$1,010.00	x6	6,060
25	Sandblast & Epoxy Coat 10" Pipe ID & OD	1	VF	\$30.00	\$30.00	x30	900
26	Replace 5 stage Cast Iron Bronze Fit Bowl Assembly (1200 RPM)	1	EA	\$8,463.00	\$8,463.00		
27	8" Strainer	1	EA	\$480.00	\$480.00		
28	Rebuild Stuffing Box - New Bearing & Packing	1	EA	\$280.00	\$280.00		
29	Replace Airlines	1	EA	\$170.00	\$170.00		
30	Drill Well to Original Depth	1	VF	\$340.00	\$340.00		
31	Furnish & Install Airshock Equipment & Diffuser	1	EA	\$7,400.00	\$7,400.00		
32	Airshock 5 Blasts per Foot	1	VF	\$20.00	\$20.00	x130	2,660
33	Bail Post Airshock	1	HR	\$380.00	\$380.00		
34	Chemical Treatment	1	EA	\$9,300.00	\$9,300.00		

If after your review you should have any questions, please do not hesitate to contact our office for discussion.

Respectfully,

Municipal Well and Pump

Tracy Greenfield

Tracy Greenfield
Project Manager

Base Bid \$19,800
Add on items \$43,863
Total = \$63,663

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14. Conduct a well yield performance test.
15. Replace the well pump and associated equipment including the stuffing box, reinstall the motor, test the pump, take water samples until safe water is verified, and put the well back into service.
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Base Scope \$ 47,220.00

CTW Corporation

Possible Additions and Individual Line Items

Item #	Item Description	Units	Unit Price	
1	Shaft Couplings – Epoxy Coated ID and OD	Each	\$75 x7	\$525
2	Shaft Sleeves	Each	\$200 x7	1,400
3	Rubber Bearings	Each	\$100 x7	700
4	Vesconite Bearings	Each	\$225 x7	1575
5	Steel Column Pipe with 10.5" outside diameter	Each	\$1,798 x6	10,788
6	Sand Blast Epoxy Coat ID & OD Column Piping	VF	\$200 x130	26,000
7	Replace 4 Stage Bronze Bowl Assembly with Lead-Free	Each	\$12,858	
8	Strainer	Each	\$500	
9	Stuffing Box Rehab	Each	\$500	
10	Replace Air Lines	Each	\$75	
11	Drill Well to the Original Depth	VF	N/A ?	
12	Furnish and Install Airburst / Shock Equipment & Means of Diffusing Pressure	Each	\$12,500	
13	Airburst/shock at 5 blasts per foot	VF	\$13 x130	\$1,690
14	Bailing after air burst/air shock	Hour	\$450	
15	Chemical treatment of well	Each	\$15,000	

Please have Quote returned via email by January 18th 2023 at 10:00AM

Base bid \$17,220
 Add on items \$81,561
 Total \$131,781