

Charles Gill
Water Utility Manager
451 Meek Street
Greenfield, Indiana 46140



Mayor Chuck Fewell
Board of Works and Public Safety
10 South State St.
Greenfield, IN 46140

Re: Recommendation of Award

June 23, 2020

Mayor and Board Members,

The wells that produce the water that we treat for the City are assets that require maintenance. We have two wells that are in need of repair. The repairs require the wells to be cleaned and one of the well pumps rebuilt. This is common repair and maintenance action that is needed as wells age and as our water demand increases as the city grows. We are required to test the wells annually and to have them serviced to keep them in good condition. The results of the flow tests performed earlier this year, show that Riley Park Well 2-4 is due for cleaning as the specific capacity has dropped 24% from the 2019 results which indicates the well is becoming plugged with material at the screen of the well. IMI Well 1-2 is due for cleaning as the specific capacity has dropped 22% from 2019, which indicates the well is becoming plugged with material at the screen of the well. As much as these wells are being used, I feel that we need to have this work as soon as possible.

Peerless Mid-west is the company that has done our well cleanings for the last four years and is very familiar with our wells and the cleaning process we need to use. I request the Board approve **Peerless Midwest** to perform the clean and maintenance of the wells and the rebuild of Riley 2-2 pump as presented in their quote. Additionally, I would request the Board permit the Utility the flexibility of up to three days additional cleaning time should it be needed for both wells. This would bring the maintenance work to the not to exceed total amount of **\$71,000**. I welcome any questions the Board may have on this recommendation.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Charles Gill", is written over a light blue horizontal line.

Charles Gill, Manager
Greenfield Water Utility

cc: Mike Fruth, Utility Director
Dan Worl, Business Service Manager
Lori Elmore, Clerk-Treasurer



Mishawaka, IN / 574.254.9050
Tipton, IN / 317.896.2987
Ionia, MI / 616.527.0050
Fenton, MI / 810.215.1295
Lombard, IL / 630.708.3212
Boulder, CO / 574.286.0765
Littleton, CO / 303.968.7920
Canton, OH / 330.592.4146

June 16, 2020

Mr. Charles Gill & Jimmy Griffith
Greenfield Water Utility
706 E. Main Street
Greenfield, IN 46140

Re: MUNICIPAL WATER WELL CLEANING AND MAINTENANCE_ Well 1-2 & 2-4

Dear Mr. Gill & Griffith:

Peerless Midwest, Inc. (PMI) appreciates the opportunity to provide professional services to City of Greenfield. Peerless-Midwest, Inc. (PMI) is pleased to offer this Scope of Work for the above referenced project for IMI Well 1-2 and Riley Park 2-4

IMI Well 1-2

We are recommending conventional tank surging with chemicals for this well. We will inject chemicals into the well for an overnight soak after the video. Our crew will come back the following day to surge chemicals in the well screen then repeat. We will do that for 4 days then a final injection. After the well rehab we will perform a flow test recording the same data before the cleaning. We will pull 2 bacteriological water samples 24hours apart before putting the well back into service.

The chemical cleaning including all labor and materials would be **\$18,740.00**
(Should additional cleaning be required the additional cost is \$3,400.00 per day)

Riley Park Well 2-4 Cleaning

We are proposing a well cleaning on the Riley Park 4 using sodium hypochlorite and chlorine enhancers with extended contact times. First step would be to flow test the well recording gpm, static water level, pumping water levels at pump design point. We would send a 2-man crew with crane to pull the pump after testing. It would be hauled to our pump shop to be torn down and inspected. We will provide a detailed report after tear down with our findings.

Based on previous experience cleaning your wells. We will utilize double disc surge block method with our chemical storage tank on this application. After pulling the pump and the debris is clear, one of our hydrogeologists will do both pre and post rehab clean videos inspecting the well casing and screen. We will inject chemicals into the well for an overnight soak after the video. Our crew will come back the following day to surge chemicals in the well screen then repeat. We will do that for 4 days then a final injection. After the pump is rebuilt (estimating 2-3 weeks) we will install the rebuild pumping equipment and perform a flow test recording the same data before the cleaning. We will pull 2 bacteriological water samples 24hours apart.

The chemical cleaning including all labor and materials would be **\$18,740.00**
(Should additional cleaning be required, the additional cost is \$3,400.00 per day)

Well 2-4 Pump Rebuild/Replacement:

We are estimating that the following additional work to be done for the pump rebuild. We recommend rebuilding the pump bowl with a new bowl shaft, new bearings, machine bowl for new wear rings, install new spider bearings in the pump setting, check shaft straightness, install sleeves on stainless steel shafting, replace stainless steel couplings, recondition the discharge head with a new stuffing box bearing and head shaft.

We have estimated to replace water slinger, flange pack, pressure gauge and ¾" poly. We have included transport and disassemble & inspect the pumping equipment to our pump shop. We will provide a detailed report with our findings and recommendations. All our labor and machining will be completed in our pump shop located at our main office.

After the tear down report is completed and based on our findings, we would estimate a standard pump and motor rebuild for well 1-1 to be estimated at **\$13,120.00**

Thank you for the opportunity to provide you with this quote. We are looking forward to meeting the water supply needs of City of Greenfield. If you have any questions about this information, or if I may be of any further assistance, please call me at 317. 896-2987 or 765. 438-4208 cell.

Sincerely,

PEERLESS-MIDWEST, INC.



Nick Rice,
Project Manager

As a benefit to you, Peerless-Midwest, Inc. has developed the ideas and concepts and special techniques detailed in this proposal/quotation on June 16, 2020. These are considered by Peerless-Midwest, Inc. to be confidential and proprietary. These ideas and concepts and special techniques remain the sole property of Peerless-Midwest, Inc., and shall not be used in any way or manner detrimental to the interests of Peerless-Midwest, Inc.

The City of Greenfield, IN, and its agents and representatives, acknowledge and agree to honor our proprietary right to the contents of this proposal/quotation and refrain from disclosing such content or any information to any third party, without the prior written consent of Peerless-Midwest, Inc. Any unauthorized use of these ideas and concepts is strictly prohibited.

TERMS

All pricing is based upon acceptance within 30 days of this date and may be modified if not accepted within 30 days. Quoted prices do not include Indiana Sales Tax on materials, which will be itemized separately from labor and service when the work is billed.

Terms are net, not subject to discount, and invoices are to be paid in full without retainage within 30 days of presentation. All invoices not paid within 30 days will be subject to 2% per month service and handling fees, plus any court and/or attorney fees required for collection.

ACCEPTANCE

By: _____ For _____
Title _____ Date _____

Well Cleanings 2020