
**COMMITTEE REPORT
LS2 & LS6 UPGRADE PROJECT
PROJECT BIDDING ANALYSIS**

To: Village of Kronenwetter
Greg Ulman, DPW & Utility Committee

From: Robert J. Roth, PE
Project Engineer

Re: Review of Bids

Date: February 10, 2025

BID SUMMARY

The Village of Kronenwetter's LS2 and LS6 upgrade project was bid on December 13, 2024. The Village received two (2) bids as follows:

Lift Station #2 & Lift Station #6 Combined	
\$498,535.00	Pember Companies, Inc.
\$596,300.00	August Winter & Sons, Inc.

GENERAL SCOPE

The general scope of work for each station is as follows:

Lift Station #2 (LS2): New Generator, Automatic Transfer Switch, Transformer, 3-Phase Power Service, VFD, Panel, Controls, Area Light, and Appurtenances Including Safety Features

Lift Station #6 (LS6): New Panel Replacement, VFD for Phase Conversion, Panel, Controls, Valve Replacements, Addition of Bypass Pumping 4" with Quick Connect, Replacement Pumps, Floats/Cables, Area Light and Appurtenances Including Safety Features

BUDGET

LS#6	\$100,000
LS#2	\$150,000

The budget was based on a quote the Village received by B&M who frequently services the Village's lift stations. The Village provided us a LS6 quote for \$60,762 by B&M as of May 2024.

I believe the original quote for LS2 was generated in 2023 (I do not have a copy of that), but was updated in 2024 at my request to confirm 3-phase power options/costs for LS2.

In review and engineering of the project, additional decisions were made and added to the project when putting the entire package to be bid. These items were not reflected in the budget amounts.

ANALYSIS OF BIDS

Work that was not included in the estimate, but is included in the representative low bid, is listed as follows:

LS6	1.1	Performance & Payment Bonds	\$4,000	
	1.3	Floor Drain	\$1,700	
	1.4	Floor Drain Allowance	\$1,000	
	1.5	Add Sealed 4” Bypass	\$7,000	
	1.8	Area Light	\$2,100	
	1.9	Safety Feature New Tie-off	\$2,800	
	1.10	Safety Feature Gate Retrofit	\$2,750	
LS2	2.1	Floor Drain	\$1,700	
	2.2	Floor Drain Allowance	\$1,000	
	2.7	Guide Rail Caps	\$7,750	
	2.8	Area Light	\$2,100	
	2.9	Safety Feature New Tie-off	\$6,800	
	2.10	Safety Feature Retrofit	\$2,850	
		Total	\$43,550	

Items that were generally included in the budget are as follows:

LS6	1.6	Exterior Controls Panel & J-Boxes	\$129,000	
	1.7	Shinmaywa Pumps	\$55,000	
		Total	\$184,000	(3x Estimate)
LS2	2.4	Generator	\$66,385	
	2.5	ATS	\$7,400	
	2.6	Exterior Control Panel & J-Boxes	\$131,500	
		Total	\$205,285	(2x Estimate)

The work was setup under a capital cost bidding/contracting format so the entire scope of work would be included under the contract and to avoid piecemeal segregation of work scope items. This meant that B&M was not able to perform general contracting services to cover the broader scope of the bid, so they could not hold those numbers in this format. Also, it required the use of an electrician where a general contractor is utilized. This generally added labor, and overhead/profit (OH&P) that were not part of the quote/estimate.



In interviewing B&M on this topic, our conversations point to the following key differences:

- General contracting capital cost format versus repair quote (OH&P)
- Use of formal electrician versus B&M labor
- Higher cost of VFD's and panel equipment seen in the industry (and rising)
- Enhancements pursuant to specifications and standards

B&M also reported that there are numerous concerns in the industry as to the impact on likely tariffs, directly affecting materials and equipment prices.

I will be available at the meeting for further discussion and recommendation in concert with the financial guidance provided by Ehlers and the Utility Committee.

Sincerely,

ROTH PROFESSIONAL SOLUTIONS



Robert J. Roth, PE
Project Engineer

