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MEMORANDUM

Date: May 3, 2023
To: Scott Truedson
Superintendent, Wastewater Treatment Facility
City of Marshall
From: Jon D. Peterson P.E., Bolton and Menk Inc.
Subject: Highway 23 Lift Station Improvements- Bid Evaluation

Bids were received on April 19, 2023, for the Highway 23 Lift Station Improvements project in Marshall, Minnesota. The single bid received from KHC Construction was \$996,000. The project budget estimate was \$580,000. The bid received was responsive based on the Contract Documents issued for the bid. The bid is significantly above the project budget for this work.

With the bid received nearly double the budget for the project, we have evaluated options for implementing this project in phases should the City choose not to award this contract. These phases could be implemented over the next 2-3 years, allowing the City to implement budgeting for the work. A summary of these phases and the estimated budget for the work is as follows:

Phase 1: Implement upgrade of the Variable frequency drives (VFD's) and installation of the Automatic Transfer switch. Budget estimate for this work is \$60,000.

Phase 2: Purchase and install 2 submersible pumps on the existing guide rail systems. Budget estimate for this work is \$135,000.

Phase 3: Purchase and install a second set of 2 submersible pumps on the existing guided rail system. Budget estimate for this work is \$155,000.

Phase 4: Take the Lift Station offline, and complete the following work:

- Renovation of wet well structure with concrete repair as needed, and new coating system.
- Installation of new piping and guide rails in the wet well structure.
- Installation of new conduit and junction box between the Motor Control center and the lift station wet well structure.
- Bypass pumping of the lift station while renovation work is being completed.

Budget estimate for this work is \$275,000.

The work in Phase 4 would be bid to procure pricing. Work in Phases 1,2 and 3 could be undertaken with quotes for the work scope, and utilization of City forces to install new pumps and manage the work. The budget estimate for each phase does not include any allocation for engineering or staff management time.