

**CITY OF MARSHALL  
AGENDA ITEM REPORT**

<b>Presenter:</b>	Jason Anderson
<b>Meeting Date:</b>	Tuesday, July 11, 2023
<b>Category:</b>	AWARD OF BIDS
<b>Type:</b>	ACTION
<b>Subject:</b>	Project WW-005: Highway 23 Lift Station Improvements Project - Pump Selection
<b>Background Information:</b>	<p>At the May 9, 2023 meeting the City Council rejected the single bid for the Highway 23 Lift Station Improvement Project and directed staff to proceed with phases 1 &amp; 2 as outlined in the attached Bid Evaluation memo from Bolton &amp; Menk, Inc. (BMI) dated 05-03-2023.</p> <p>Phase 2: Purchase and install 2 submersible pumps on the existing guide rail systems. Budget estimate for this work is \$135,000.</p> <p>We have received two quotes for replacement pumps. One quote was submitted by Electric Pump and include Flygt pumps, and one quote was submitted by Minnesota Pump Works and include ABS/Sulzer pumps. Phase 2 from BMI’s memo identifies the purchase of two submersible pumps to be installed on the existing guide rail systems. The estimate for this phase is \$135,000.</p> <p>We currently have Flygt pumps in this lift station and have had very good service life from them. Two of the pumps are from 1993 and two are from 2003. Flygt pumps have very durable components with stainless steel lifting handles, superior “wet ends” with high chrome content impellers and built in cooling jackets to reduce motor operating temperatures. The motors are highly efficient which reduces electrical operating costs. The quote for purchasing two Flygt pumps is \$101,904.</p> <p>The second quote is for two Sulzer pumps and, while the cost is lower at \$55,335.83, the Sulzer pumps are not as robust as the Flygt pumps. The motors are less efficient and are estimated to cost an additional \$1,900/year in energy costs to operate. Cooling jackets are not included and are an additional \$2,500 per pump. The “wet ends” are not as durable requiring bi-annual impeller adjustments and an estimated \$7,900 for a rebuild midway through the life of the pump. Cast iron lifting handles would need to be replaced with staff manufactured stainless steel.</p>
<b>Fiscal Impact:</b>	The Wastewater Department has \$350,000 in the 2023 budget for Hwy 23 lift station improvements which has now been broken into four phases over multiple years. Leftover funds will be built into the 2024 CIP for phases 3 & 4.
<b>Alternative/ Variations:</b>	No alternative actions recommended.
<b>Recommendations:</b>	that the Council authorizes the purchase of two Flygt pumps for \$101,904.