



CITY OF MARSHALL AGENDA ITEM REPORT

Presenter:	Jason Anderson
Meeting Date:	Tuesday, January 23, 2024
Category:	NEW BUSINESS
Type:	ACTION
Subject:	Highway 23/South Saratoga Street Manhole Refurbishing
Background Information:	<p>The Wastewater Department continues to have our worst sanitary manholes relined to stop hydrogen sulfide corrosion and the infiltration of ground water into the sanitary system. Two manholes, MH9SW30 and MH9SW32 located near the intersection MN 23 and South Saratoga Street, have been identified as being structurally compromised and beyond simply relining. The manholes are 17' deep and are in an area with high groundwater.</p> <p>We have received a quote from Hydro-Klean LLC for \$48,970 to install an HDPE liner with welded seams. Approximately 6" of high strength concrete is poured between the HDPE liner and the existing manhole inside walls which will restore the structural integrity of the manhole. Unforeseen repairs due to groundwater infiltration could add additional time and material costs.</p>
Fiscal Impact:	The wastewater department has \$60,000 in our 2024 budget for these repairs.
Alternative/ Variations:	An alternate quote from Visu-Sewer for \$32,555 to install woven fiberglass saturated with a non-porous internal PVC membrane and an epoxy resin. Structural integrity is gained from the hardened fiberglass shell. Unforeseen repairs due to groundwater infiltration could add additional time and material costs.
Recommendations:	that the Council accepts the quote from Hydro-Klean for \$48,970, because of the added strength provided by the addition of the concrete.