

COMMISSION FILE NO: 25-078-6 **DATE INTRODUCED:** June 9, 2025

INTRODUCED BY: Executive Director (Signature on File in the Office of the Commission)

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Change Order Request, Contract S06038C31, Chlorine Contact Basin Drain Valve Replacements at the South Shore Water Reclamation Facility, and Restore the Executive Director's Original Delegated Authority

SUMMARY:

The Commission is requested to authorize the Executive Director to execute a change order to Contract S06038C31, Chlorine Contact Basin Drain Valve Replacements at the South Shore Water Reclamation Facility (SSWRF), with Super Excavators, Inc., (Super Ex) in an amount not to exceed \$116,853 and to restore the Executive Director's original delegated authority.

Wastewater contains a very large number of pathogenic organisms, and many of these organisms are not removed in the primary and secondary treatment processes. Disinfection of secondary effluent to kill remaining pathogenic organisms is the final step in the District's wastewater treatment process and is a requirement of the Wisconsin Pollutant Discharge Elimination System permit.

At SSWRF, disinfection occurs in two chlorine contact basins. Each basin has three drain valves that allow the basins to empty. Draining the basins is required for routine cleaning and maintenance, as well as to accommodate future construction work. The drain valves for both basins have failed and require replacement. The drain valves are buried approximately 22 feet deep.

ATTACHMENTS: BACKGROUND ☒ KEY ISSUES ☐ RESOLUTION ☒

FISCAL NOTE ☒ S/W/MBE ☐ OTHER ☐ _____

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COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Change Order Request, Contract S06038C31, Chlorine Contact Basin Drain Valve Replacements at the South Shore Water Reclamation Facility, and Restore the Executive Director's Original Delegated Authority

In July 2024, the District awarded Contract S06038C31 in the amount of \$925,799 to Super Ex to replace the drain valves. Under this contract, Super Ex is:

- Designing and installing a ground support system for the excavation.
- Excavating down to the drain valves.
- Installing line stops or flow isolation upstream of a common header.
- Removing the existing valves.
- Furnishing and installing six new valves, including new spool pieces and associated piping modifications as necessary.
- Testing the valves and piping for leaks.
- Backfilling the excavated area and restoring the surface.

During the design process for this contract, the District had soil borings taken and analyzed near the roadway south of the basins to provide the bidders with as much information as possible about the subsurface conditions. The boring locations were approximately 15 feet from the valves being replaced and were chosen because there is too much other underground infrastructure near the valves to safely perform borings any closer. The soil borings showed mostly clay and silty sand.

Using the information provided by the soil borings, as required by the bid and contract documents, Super Ex submitted their bid, planned an excavation method, and designed a ground support system. During excavation of the first shaft, it became clear that the soil borings were not representative of the subsurface conditions around the valves. Near the valves, the contractor found loose stone aggregate for nearly the entire depth of the excavation. These differing site conditions required changes in both the excavation method and ground support systems. The Executive Director authorized a change order in the amount of \$58,427 to account for these changes during excavation of the first shaft. This Commission requested change order in an amount not to exceed \$116,853 allows for the excavation of the remaining two shafts using the same modified methods.

BACKGROUND

Change Order Request, Contract S06038C31, Chlorine Contact Basin Drain Valve Replacements at the South Shore Water Reclamation Facility, and Restore the Executive Director's Original Delegated Authority

For construction contracts greater than or equal to \$500,000, the Commission has delegated to the Executive Director the authority to make changes up to \$400,000 or 10% of the original contract price, whichever is less. For this contract, 10% of the original contract price (\$92,580) is the lowest of the two. To date, the Executive Director has utilized \$58,427 of this authority through the first change order, leaving a balance of \$34,153. The request to restore the Executive Director's authority is in case any additional construction services are needed for this work.

CONTRACT COST CHANGES

	AMOUNT	PERCENTAGE INCREASE OVER ORIGINAL CONTRACT	AUTHORIZED BY	SWMBE
Original Contract	\$925,799		Commission	9.1%
Previous Change Orders	\$58,427	6.3%	Executive Director	2.2%
Requested Change Order	\$116,853	12.6%	Request of Commission	2.2%
Total Change Orders	\$175,280	18.9%		2.2%
TOTAL	\$1,101,079			8.0%

RESOLUTION

Change Order Request, Contract S06038C31, Chlorine Contact Basin Drain Valve Replacements at the South Shore Water Reclamation Facility, and Restore the Executive Director's Original Delegated Authority

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute a change order to Contract S06038C31, Chlorine Contact Basin Drain Valve Replacements at the South Shore Water Reclamation Facility, with Super Excavators, Inc., in an amount not to exceed \$116,853, and that the Executive Director's original delegated authority is restored.