



## Legislation Text

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File #: 2021-476, Version: 1

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**Contract No. 2100136**  
**Pipe Hanger Replacement at Hubbell-Southfield CSO Facility**  
**O&M**

Agenda of: December 8, 2021

Item No: **2021-476**

Amount: \$1,642,510.00

**TO:** The Honorable  
Board of Directors  
Great Lakes Water Authority

**FROM:** Suzanne R. Coffey, P.E.  
Interim Chief Executive Officer  
Great Lakes Water Authority

**DATE:** December 1, 2021

**RE:** **Contract No. 2100136**  
**Pipe Hanger Replacement at Hubbell-Southfield CSO Facility**  
**Vendor: Weiss Construction Co., LLC**

### MOTION

Upon recommendation of Navid Mehram, Chief Operating Officer - Wastewater Operating Services, the Board of Directors (Board) of the Great Lakes Water Authority (GLWA) authorizes the Interim Chief Executive Officer (ICEO) to **enter into Contract No. 2100136, "Pipe Hanger Replacement at Hubbell-Southfield CSO Facility" with Weiss Construction Co., LLC at a cost not to exceed \$1,642,510.00 for a duration of 548 days;** and authorizes the ICEO to take such other action as may be necessary to accomplish the intent of this vote.

### BACKGROUND

Hubbell-Southfield CSO was built in 1994 under PC-694. Overhead piping in the basin was

constructed using carbon or galvanized steel piping hangers. Due to damp conditions in the basin, as well as the continual presence of chloride (from CSO disinfection) and hydrogen sulfide (commonly present in sewer gases), these hangers have corroded to the point of imminent failure. In fact, a few locations have failed and were repaired as an emergency earlier in 2021. This project seeks to replace the failed hangers with new stainless-steel hangers, which will resist corrosion and are made of an appropriate material for the installation.

### JUSTIFICATION

Failure of the piping hangers could result in a cascade failure (domino effect) of other nearby hangers that could cause failure of pipes. The previous pipe hanger failure affected the discharge sampling pump (a permit requirement) and a more serious/widespread failure could cause the basin to be taken out of service and will lead to violation of our NPDES permit and elimination of crucial basin systems, including dewatering/pumping, disinfection, and control gates. Additionally, and most importantly, these piping hanger failures represent a critical safety hazard for GLWA or other personnel entering and performing work in the basin, which occurs frequently.

### FINANCIAL PLAN IMPACT

**Summary:** The proposed project was not anticipated during the development of the Combined Sewer Overflow facilities budget. A budget amendment in the current year is anticipated. This is being evaluated on a prospective basis. This budget amendment will first be drawn from other budgeted areas, and secondly from the wastewater unallocated reserves.

**Funding Source:** Operations and Maintenance Budget (5960)

**Cost Center:** Hubble Southfield Combined Sewer Overflow Facilities (892273)

**Expense Type:** Repairs & Maintenance - Facilities (622400)

**Estimated Cost by Year and Related Forecast Variance:** See table below.

FY 2022 Budget (Prorated)	\$18,710.00
FY 2023 Financial Plan	62,400.00
FY 2024 Financial Plan (Prorated)	<u>5,230.00</u>
Financial Plan Forecast	\$86,340.00
Maximum Contract	<u>1,642,510.00</u>
Variance (positive/(negative))	<u>(\$1,556,170.00)</u>

### COMMITTEE REVIEW

This item was presented to the Operations and Resources Committee at its meeting on December 8, 2021. The Operations and Resources Committee unanimously recommended that the GLWA Board adopt the resolution as presented.

**SHARED SERVICES IMPACT**

This item does not impact the shared services agreement between GLWA and DWSD.