



## Legislation Text

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**File #:** 22-622, **Version:** 1

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Report regarding a motion to accept the construction improvements of the Orange Memorial Park Storm Water Capture Project (Project No. sd1801) as complete per plans and specifications. (Total Construction Cost \$9,611,038.00) (*Matthew Ruble, Principal Engineer*).

### **RECOMMENDATION**

**Staff recommends that the City Council, by motion, accept the construction improvements of the Orange Memorial Park Storm Water Capture Project (Project No. sd1801) as complete per plans and specifications (Total Construction Cost \$9,611,038.00); and authorize the Project Manager to file a Notice of Completion with respect to the construction work with the County of San Mateo Recorder's Office on the City's behalf.**

### **BACKGROUND/DISCUSSION**

On April 26, 2017, the California Department of Transportation ("Caltrans") agreed to fund \$9,500,000 to the Orange Memorial Park Storm Water Capture Project (Project) through Cooperative Implementation Agreement No. D43CIASF0001.

The City subsequently entered a second Cooperative Implementation Agreement, No. D43CIASF0002 dated September 20, 2019, with Caltrans for an additional amount of \$6,000,000 which allowed for expansion of the Project to increase the amount of water quality treatment provided in terms of diversion, pretreatment, and infiltration capacity. The Project now includes a water capture facility at this site with 30 cubic feet per second diversion and over 1.8 million gallons of storage, which will capture and treat approximately fifteen percent of the average annual drainage volume in Colma Creek at the Project site, which provides regional benefits to both South San Francisco and additional areas in San Mateo County.

The Project consists of constructing a diversion and treatment structure to re-direct and treat stormwater runoff to remove trash, debris and sediment before storing the water in an underground, multi-chambered storage reservoir. The system will also provide water quality treatment and disinfection so that the water may eventually be used for irrigation in and around Orange Memorial Park.

The City Council awarded the Orange Memorial Park Storm Water Capture project to Minerva Construction, Inc. on December 9, 2020.

Post-construction, the contractor is responsible for a 12-month commissioning period for the Orange Memorial Park Stormwater Capture System (System) comprising the initial year of system operations under their current contract. Tasks included in the post-construction work include:

- *Training* - Personnel training on operations of maintenance vehicles, confined space entry, fall protection, CPR/first aid, and OSHA Training.
- *Diversion Channel / Grit Chamber / Flow Splitter Inspections* - Semi-annual inspections and removal of debris and trash from the diversion channel, grit chamber and flow splitter infrastructure.
- *Weekly Inspection* - Inspection of water treatment skid, self-cleaning filter, pressure transmitters, and

pressure gauge. Water level readings to be uploaded 12 times per year. Sluice gate will be adjusted as needed.

- *Chemsearch* - Semi-annual calibration of hydrocarbon sensor and turbidity transmitters. Quarterly inspection/testing of level transmitter, pumps, PH transmitter, make-up water valve. Monthly inspection of flow transmitters. Replacement of UV lamps every 10,000 hours. Replacement of UV quartz sleeve as needed. Water control monitoring of supplies, sampling, and 15 transportation runs in one year.
- *Dysert* - Water level compliance monitoring and flow monitoring.
- *Pneumatic Valves Check* - Manual testing of pneumatic valves five (5) times per year and cleaning of self-cleaning filter annually.

It should be noted that this is only the second facility of its kind in California. The above inspections and calibrations included in the commissioning period are for the purpose of verifying future inspection and maintenance frequencies before these responsibilities transfer to the city.

### FISCAL IMPACT

This project was included in the City of South San Francisco's fiscal year 2019-2020 Capital Improvement Program (sd1801) with sufficient funds allocated to cover the total construction contract.

	<b>Projected</b>	<b>Actual</b>
Minerva Construction Inc.	\$8,747,430.00	\$8,747,430.00
Construction Contingency (20%)	\$1,749,486.00	\$863,608.00
<b>Total Project Construction Budget</b>	<b>\$10,496,916.00</b>	<b>\$9,611,038.00</b>

The contract is be funded through the Cooperative Implementation Agreements (D43CIASF0001 and D43CIAF0002) with Caltrans for a total of \$15,500,000.

### RELATIONSHIP TO STRATEGIC PLAN

Approval of this action will contribute to the City's Strategic Plan outcome of improved Quality of Life by providing green infrastructure and improving water quality.

### CONCLUSION

Staff recommends that the City Council, by motion, accept the Orange Memorial Park Storm Water Capture Project (Project No. sd1801) construction improvements, as complete per plans and specifications (Total Construction Cost \$9,611,038.00), and approve continuing post-construction work for a period of one (1) year.

Upon acceptance, the Project Manager will file a Notice of Completion with the County of San Mateo Recorder's office. At the end of the thirty (30) day lien period, the City will release retention funds to the contractor. The Notice of Completion would close out the Project construction and release retention with respect to such work to the contractor after the statutory lien and stop payment notice periods. Post-Construction system operations will continue to be supported by the contractor for one (1) year. The City will release retention for post-construction activities once completed.

Attachment:

- 1) Project Photos/Presentation