

Memorandum

To: RPBCWD Board of Managers
From: Scott Sobiech
Subject: Lake Susan Park Pond Reuse Intake Modifications – Request for additional engineering services budget
Date: October 25, 2023
Project: 23/27-0053.14 044

Requested Board Action

Assuming construction, construction administration, and field observation goes smoothly, Barr requests that the RPBCWD Board of Managers consider authorizing Barr Engineering to spend an additional budget of \$12,000 for construction administration and observation services related to the Lake Susan Park Pond Reuse Intake Modification Project.

The RPBCWD constructed the Lake Susan Park Pond (LSP) Watershed Treatment and Stormwater Reuse Project in Spring of 2018. The project involved water pumping and conveyance from Lake Susan Park Pond to a park irrigation system and an iron enhance sand filtration system. The current system hydraulic conveyance includes a floating suction intake located in the pond that is installed and removed seasonally, underground conveyance piping and inline suction pumps located inside an at-grade utility building approximately 50-feet inland from the Lake Susan Park Pond normal water level. The City worked closely with the contractor during the first couple of years of operations to resolve operational concerns. However, each subsequent season the hydraulic system was observed to lose prime and not operate as designed. At the February 2023 Board meeting, the RPBCWD Board of Managers authorized Task Order 44 for Barr to complete a data collection final engineering, design and permitting services to implement improvements to the inlet configuration of the existing reuse system at LSP.

Barr will work with District and city staff to complete a data collection final engineering, design and permitting services to implement improvements to the inlet configuration of the existing reuse system at LSP. After developing the plans and specification for the revised intake and review and approval by the city, the Administrator Jeffery authorized Barr to solicit quotes from contractors in May 2023 for the construction of a new intake structure and related piping and appurtenances to resolve the operational concerns. The one quote received in response to the spring-2023 request was significantly higher than anticipated and exceeded the threshold that requires competitive bidding rather than soliciting multiple quotes. Administrator Jeffery authorized Barr to work with the city and contractors to revise the design and re-solicit for quotes in October 2023.

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Barr has overspent our authorized budget under Task Order 44 associated with the efforts to design a revised intake for the LSPP reuse system and solicitate quotes (\$23,900 authorized versus \$27,662 spent). The budget is exhausted because initial quotes received were significantly higher than expected which necessitated the need for unanticipated coordination with contractors, to revise the plans and specifications, and process a second request for quotes. To complete the project quote review, board recommendation, and construction administration service we are requesting a budget increase. *We are requesting a budget increase for Task Order 44 to provide the construction administration services and complete the quotes process to be roughly \$12,000 presuming no design revisions, no more than two requests for payment, and smooth construction.* We recognize that RPBCWD staff are already very busy but a potential avenue to reduce the amount being requested would be for City or District staff to provide all or some of the construction administration.