



west virginia department of environmental protection

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Harold D. Ward, Cabinet Secretary
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MEMORANDUM

TO: Kathy Emery, P.E., Acting Director, DWWM

FROM: Jesse Rupe, Engineer Trainee, DWWM

DATE: December 15, 2021

SUBJECT: Craigsville Public Service District
Sanitary Sewer Upgrades
IJDC No. 2017S-1722
Budget Revision Request

RECOMMENDATION

The budget revision request for the above referenced project prepared by The Thrasher Group has been reviewed, and it is technically feasible.

DISCUSSION

The proposed request is a result of the PSD wanting to change the scope of the previously approved bid underrun funds. The need for this request has been caused by other needs being discovered at the WWTP and price increases from the original cost estimates during the bid underrun review process. This request includes seven change orders associated with both construction contracts. This request comes as a result and these change orders will utilize IJDC bid underrun funds and CWSRF contingency funds.

Contract No. 1 included the purchase of five emergency generators during the original bid underrun request for a proposed cost of \$310,000. The actual cost for five generators would now be \$382,629. The PSD intends to move forward with the purchase of three generators at a cost of \$190,857 and will proceed with change order number C1-CO1 and will utilize IJDC bid underrun funds.

Contract No. 2 included the purchase of an influent flow meter, sludge blanket locators, flow samplers, telescopic valves, chemical feed pumps, and clarifier drive motors during the original

bid underrun request for a proposed cost of \$132,000. The actual cost for these items would now be \$188,087.23. Since construction began on Contract No. 2 at the wastewater treatment plant (WWTP), the orbital drive bearings for the oxidation ditch began to fail.

The PSD authorized change order number C2-CO1 for the replacement of four orbital drive bearings and additional repairs to the PSD administrative building roof due to unforeseen conditions. The cost for this change order is \$21,266.27. During the timing of replacing these four bearings, an additional nine bearings failed. The PSD authorized change order number C2-CO4 to include the replacement of these nine bearings. Change order C2-CO4 also includes electrical upgrades to the administrative building HVAC unit and the main MCC breaker. The cost for this change order is \$95,891.81 and both of these change orders will be paid for with the use of CWSRF contingency funds.

The PSD only intends to purchase flow samplers and telescopic valves as part of the original bid underrun request. In lieu of replacing the chemical feed pumps, it was determined that replacing valving and piping to the chlorine contact tank would be more beneficial. As a result of this, the PSD authorized change order numbers C2-CO2, C2-CO3, and C2-CO5 for a total cost of \$70,314.94. These change orders will utilize IJDC bid underrun funds.

This request also includes change order number C2-CO6 for modifications to the existing generator pad and is still under review by CWSRF and will utilize CWSRF contingency funds if this change order is approved.

In summary, the PSD will utilize \$261,171.94 of the original allotted \$442,000 of IJDC bid underrun funds. This will leave an amount of \$180,828.06 in unallocated IJDC bid underrun funds. The PSD will utilize \$117,158.08 of CWSRF contingency funds of the original \$130,097 in CWSRF contingency funds. This will leave \$12,938.92 in CWSRF contingency funds. IJDC also still has \$32,423 of contingency funds. This will leave \$42,361.92 of contingency funds to complete Contract No. 1, which is anticipated to start construction in January 2022.

It is recommended that the remaining bid underrun funds remain unallotted and not used until Contract No. 1 has reached substantial completion.