



west virginia department of environmental protection

Division of Water and Waste Management
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Austin Caperton, Cabinet Secretary
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MEMORANDUM

TO: Kathy Emery, P.E., Program Manager, DWWM

FROM: Thomas ^{TC} Cazad, P.E., Engineer Associate, DWWM

DATE: January 15, 2019

SUBJECT: City of Oak Hill - Wastewater System Upgrade Project
Change Orders 2 and 3 for Contract 4 and Change Order 5 for Contract 2
IJDC Project No. 2014S-1555; CWSRF No. C-544535
Use of Contingency/Budget Revision

RECOMMENDATION

The use of contingency/budget revision has been reviewed, and the proposed actions are technically feasible and recommended for approval. The request increases Contract 4 by \$59,787.41 and reduces Contract 2 by \$69,961.00.

REQUEST AND DISCUSSION

The City of Oak Hill proposes a budget revision to their current project that consists of three separate change orders (COs):

1. CO 4-2 includes additional work required at the Arbuckle WWTP site. The Contractor had to increase the depth of the existing influent manhole upon replacement and reroute the existing influent sewer at the site due to its location with respect to the new Pump Station. Additionally, the CO includes extra work at the new Pump Station building, such as the installation of floor drains, adding an access opening in the ceiling, and installation of stainless steel piping for the air bubbler system. CO 4-2 includes a time extension of 133 days and will utilize IJDC Contingency, resulting in a net increase of \$18,736.41 to Contract 4's price.

2. CO 4-3 includes replacement of existing sections of fencing and guardrail adjacent to Minden Road above the Arbuckle WWTP and installation of rodent fencing to prevent animals from falling into the stormwater tanks. CO 4-3 includes a time extension of 29 days and will utilize IJDC Contingency, resulting in a net increase of \$41,051.00 to Contract 3's price.

3. CO 2-5 includes additional items at the Route 61 WWTP including painting the stairs at the outfall, installation of drywall in the office, extension of retrieval cables for the mixers in all SBR basins, installation of SBR diffuser winch adapter plates, installation of SCADA system to provide alarm for process equipment, modifications to the sludge piping and controls for existing digester sludge pump, and replacement of the influent flowmeter. This CO also includes the removal of additional sludge from the digester and SBR basins, which was required in order to clean, paint, and modify the existing basins. Most, if not all of the work included in this CO has already been completed. CO 2-5 includes a time extension of 19 days and will utilize IJDC Contingency, resulting in an increase of \$69,961.00 to Contract 2's price.