



## AGENDA ITEM ANALYSIS

Project/Issue Name: 23-R-26 A Resolution of the City Council Authorizing Execution of a Phase 2 Contract Price Amendment with Burns and McDonnell Engineering Co., Inc. for the Wastewater Treatment Plant Blending Project.

Submitted By: Karen Haynes, BUILDS Administrator

Date: April 11, 2023

### Issue Statement

A Resolution authorizing the City Administrator to execute a contract with Burns & McDonnell for Phase 2 services for the Wastewater Treatment Plant Blending Project.

### Discussion and/or Analysis

The City executed a Phase 1 Design-Build Contract with Burns & McDonnell for the Wastewater Treatment Plant Blending Project in February 2022, which included engineering design for the Project; the target price for construction of the project was \$15,000,000.

The purpose of the Wastewater Treatment Plant Blending Project is for regulatory compliance for wet-weather flows, in which we are currently in an Administrative Order on Consent (AOC) with the Missouri Department of Natural Resources (DNR), expiring in April 2025. Currently, during wet weather events, excess influent arriving at the Wastewater Treatment Plant is greater in volume than the capacity of treatment through the Plant; because of this, the additional flow is diverted to a stormwater clarifier for additional storage, prior to treatment. During large rain events, the excess flow exceeds the storage capacity of the stormwater clarifier, and the influent is discharged to the creek, this process is a bypass and requires reporting to DNR.

The Phase 2 Contract includes completion of design services, procurement of all materials, and equipment, and construction of the improvements for a total contract price of \$15,342,800, to be completed within (510) calendar days after the date of commencement of the contract. Completion of the Project will meet the requirements of the AOC, by upgrading the current Wastewater Treatment Plant to “blend” what now bypasses treatment, back into the treatment train prior to filtration and disinfection; this is an accepted industry practice for handling excess flows during wet weather events.

The contract also includes additional provisions for Allowances for unforeseen conditions, including unsuitable soils, rock excavation, precast sealer, SCADA upgrades, temporary alum injections, and road repairs, with an estimated total of \$310,000 across all Allowances, not included in the total contract price. The work associated the Blending Project is budgeted and approved under the Master Services Contract with Burns & McDonnell for wastewater system improvements.

### Recommended Action

Staff recommends approval.