



STAFF REPORT

MEETING DATE: February 14, 2023

TITLE:

Consider action to approve Resolution No. R-2023-20 of the City Council of the City of Bastrop, Texas, approving an Amendment #5 to the Task Authorization #2, of the original Professional Services Agreement with Freese and Nichols, Inc. (FNI) to provide materials testing services for the Simsboro Water Treatment Plant, Well Field, and Transmission Facilities project for a not to exceed amount of Two Hundred Fifteen Thousand, Seven Hundred Seventy-Five Dollars (\$215,775.00); authorizing the City Manager to execute all necessary documents; providing for a repealing clause; and establishing an effective date.

AGENDA ITEM SUBMITTED BY:

Submitted by: Fabiola de Carvalho, AMP MIAM, Director of Engineering and Capital Project Management.

BACKGROUND/HISTORY:

On September 11, 2018, the City of Bastrop City Council authorized the approval of an engineering services agreement for the design and construction administration services for the Simsboro Aquifer Water Treatment Plant, Well Field and Transmission Facilities project with Freese and Nichols, Inc. (FNI).

The engineering services agreement executed, between the City and FNI, listed the construction materials testing services as a Supplemental Service that could be provided upon City's request. Usually, the materials testing services cost estimate from a certified laboratory are requested when the project is at 90%-100% design completion milestone. This is because it is difficult to estimate the quantity of materials testing services required when design has not been finalized. Because the project had not reached the final design milestone, various unknowns, and particularities of a project, the City elected to wait until the completion of the design phase to seek an amendment to the engineering services agreement for the construction materials testing services in order to provide a more accurate cost estimate number on the required materials testing services for the project.

This amendment includes coordination of an independent and certified materials testing laboratory for all the work associated with GMP2 & GMP3, such as, but not limited to, soil moisture and densities sampling and testing, concrete inspection, and testing, etc. to ensure the materials used, and verification of installation of these materials, are of the quality as required in the construction contract documents. The amendment that included the materials testing for the work associated with GMP1, was executed on December 15, 2022, in the amount of \$20,000.

As you are aware, the whole Simsboro Aquifer Water Treatment Plant, Well Field and Transmission Facilities project was split into different work packages within each GMP. GMP1 includes two work packages: the well drilling and the clearwell. The GMP2 includes four work packages: the water treatment plant equipment, the water treatment plant construction, electrical

and instrumentation, and the filter and chemical buildings. The GMP3 includes four work packages: the access roads, transmission line, force main and lift station, well field piping and final grading and paving. The reason to split the project into multiple bid packages was so that bid and construction of the parts of the project needed to be completed first can be started, while the design of the rest of the project components were being finalized.

The packages associated with GMP3 have a bid opening scheduled for February 23, 2023. The construction phase services amendment with Archer Western, the project's CMAR, for these packages will be presented by Engineering Staff to City Council, once again, for consideration and authorization of approval of these other packages at a later time.

Engineering and Capital Project Management and Public Works Departments are seeking your consideration and approval of this amendment so we can proceed with the construction of the Simsboro Water Treatment Plant, Well Field, and Transmission Facilities.

FISCAL IMPACT:

FY23 Annual Budget

- Certificate of Obligation (CO) Bond Series 2021

RECOMMENDATION:

Consider action to approve Resolution No. R-2023-20 of the City Council of the City of Bastrop, Texas, approving an Amendment #5 to the Task Authorization #2, of the original Professional Services Agreement with Freese and Nichols, Inc. (FNI) to provide materials testing services for the Simsboro Water Treatment Plant, Well Field, and Transmission Facilities project for a not to exceed amount of Two Hundred Fifteen Thousand, Seven Hundred Seventy-Five Dollars (\$215,775.00); authorizing the City Manager to execute all necessary documents; providing for a repealing clause; and establishing an effective date.

ATTACHMENTS:

- Exhibit A: Resolution No. R-2023-20
- Exhibit B: Task Order #2, Amendment #5 for Construction Materials Testing with FNI