



Staff Report

TO: City Council
FROM: Jeff Hart, Public Works Director
DATE: December 6, 2022
SUBJECT: **First Amendment to the Professional Services Agreement with Webb Associates to Provide Engineering and Design Services**

Description First Amendment to the Professional Services Agreement for the Beaumont Mesa Lift Station and Force Main Project, in an amount not to exceed \$56,639.

Background and Analysis:

The Beaumont Mesa Lift Station conveys wastewater from five upstream lift stations: Fairway Canyon, Lower Oak Valley, Upper Oak Valley, Olivewood, and Middle Oak (temporary) lift stations. The lift station conveys these flows to the City's Wastewater Treatment Plant through an existing 12-inch force main.

On February 15, 2022, City Council approved a Professional Services Agreement with Webb Associates in an amount not to exceed \$536,785 for professional engineering and design services for the Beaumont Mesa Lift Station and Force Main Design Project. The design will resolve operational and capacity deficiencies with the existing lift station and force main. The design is currently on-going and is at the 60% design stage.

An amendment to the professional services agreement is proposed at this time to account for various deficiencies that have been discovered in existing facilities during design. These deficiencies are described as follows:

- The force main section on Nichols Road has a gap that was discovered during potholing. This section needs to be designed to provide a continuous force main.
- The force main section on Western Knolls Ave. does not terminate at the location shown on the as-built plans. Additional design is needed to connect to the discovered known location.
- Multiple force mains terminate at the same manhole on Fourth Street, and the manhole is in poor condition. Additional design is needed to replace the existing manhole and separate the force mains with additional manhole terminus points in order to minimize risk of a spill and to perform routine maintenance.

An optional design task is also recommended at this time for existing sections of force main that were installed previously but have not been in service. These sections will be pressure tested, and additional funds will be needed if improvements are required.

A total amendment in an amount not to exceed \$56,639 is recommended to address the deficiencies described. Design is being funded from Capital Improvement Plan (CIP) project account numbers WW-04 and WW-05. A summary of the allocation of funds for the original agreement and the proposed amendment is provided in the following table.

Agreement Summary	Mesa Lift Station Pump & Force Main Design (WW-04)	Mesa Lift Station Improvements Design (WW-05)	Total Contract and Amendment Amount
Original Agreement	\$187,874.75	\$348,910.25	\$536,785.00
First Amendment	\$19,823.65	\$36,815.35	\$56,639.00
Total	\$207,698.40	\$385,725.60	\$593,424.00

Fiscal Impact:

The following tables provide an overview of the current project funding, project budget, and remaining budget for both CIP account numbers WW-04 and WW-05.

WW-04 Mesa Pump & Force Main Design Project Accounting Summary				
Funding Summary				
Funding Year	Funding Source		Amount	
FY 20/21	Wastewater DIF		\$450,000.00	
Total Project Funding =			\$450,000.00	
Budget Summary				
Project Component	Budget	Encumbered	Paid to Date	Remaining Budget
Project Management	\$0.00	\$0.00	\$0.00	\$0.00
Preliminary Services	\$24,400.00	(\$24,400.00)	(\$24,400.00)	\$0.00
Environmental	\$0.00	\$0.00	\$0.00	\$0.00
Design	\$425,600.00	(\$187,874.75)	(\$75,522.74)	\$237,725.25
Construction	\$0.00	\$0.00	\$0.00	\$0.00
Construction Management	\$0.00	\$0.00	\$0.00	\$0.00

Permits	\$0.00	\$0.00	\$0.00	\$0.00
Equipment	\$0.00	\$0.00	\$0.00	\$0.00
Project Summary Totals	\$450,000.00	(\$212,274.75)	(\$99,922.74)	\$237,725.25

WW-05 Mesa Lift Station Design Project Accounting Summary				
Funding Summary				
Funding Year	Funding Source		Amount	
FY 20/21	SLFRF Program		\$400,000.00	
Total Project Funding =			\$400,000.00	
Budget Summary				
Project Component	Budget	Encumbered	Paid to Date	Remaining Budget
Project Management	\$0.00	\$0.00	\$0.00	\$0.00
Preliminary Services	\$0.00	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00	\$0.00
Design	\$400,000.00	(\$348,910.25)	(\$140,256.53)	\$51,089.75
Construction	\$0.00	\$0.00	\$0.00	\$0.00
Construction Management	\$0.00	\$0.00	\$0.00	\$0.00
Permits	\$0.00	\$0.00	\$0.00	\$0.00
Equipment	\$0.00	\$0.00	\$0.00	\$0.00
Project Summary Totals	\$400,000.00	(\$348,910.25)	(\$140,256.53)	\$51,089.75

The recommend amendment to the professional services agreement in an amount not to exceed \$56,639 will bring the total contract amount for professional engineering and design services with Webb Associates to \$593,424. Funding for the contract amendment will be paid from the available CIP budgets for design as shown in the preceding tables.

Recommended Action:

Approve a First Amendment to the Professional Services Agreement with Webb Associates to provide engineering and design services for the Beaumont Mesa Lift Station and Force Main project in an amount not to exceed \$56,639.

Attachments:

- A. First Amendment to PSA with Webb Associates
- B. Original Agreement