



Staff Report

TO: City Council
FROM: Jeff Hart, Director of Public Works
DATE: November 15, 2022
SUBJECT: First Amendment to the Professional Service Agreement with EXP U.S. Services, Inc. for Engineering Services for Beaumont Master Drainage Plan (MDP) Line 2, Stage 1 Project (CIP2019-19)

Description First Amendment to Professional Services Agreement for Engineering Services to EXP U.S. Services, Inc. for Beaumont Master Drainage Plan (MDP) Line 2, Stage 1 Project (CIP2019-19)

Background and Analysis:

On March 17, 2020, City Council amended the Fiscal Year (FY) 2019/20 Capital Improvement Project (CIP) Budget to include the Beaumont Master Drainage Plan (MDP) Line 2, Stage 1 Project (Stage 1). Stage 1 was incorporated into the CIP in the amount of \$5,000,000 with the source of funds being the Riverside County Flood Control and Water Conservation District (District) via a cooperative funding agreement. On September 1, 2020, City Council approved the cooperative agreement and on September 22, 2020, the District fully executed the agreement. On December 15, 2020, City Council approved a Professional Service Agreement (PSA) to EXP U.S. Services, Inc. (EXP), to perform preliminary and final engineering service.

Stage 1 includes the construction of approximately 4,820 lineal feet of underground storm drain system starting near the intersection of Chestnut Avenue and Sixth Street and extending easterly along Sixth Street, southerly along Pennsylvania Avenue, and easterly along First Street. The discharge point of Stage 1 is an existing earthen channel that parallels Berkshire Avenue in Tract Map No. 31520 (Berkshire Channel).

During preliminary analysis, Berkshire Channel and other downstream facilities were determined to not have enough capacity to safely convey the ultimate design flow. EXP, Riverside County Flood Control, and City staff identified the need to evaluate a possible detention basin to mitigate for downstream limitations. Additionally, City staff requested that EXP reevaluate the study area for Line 2 and include the 2040 General Plan, Land Use Map and provide analysis for the future Pennsylvania Grade Separation project.

Subsequently, EXP has provided a scope and fee change that will include the following additional tasks:

- Perform Hydrology Study south of I-10 for the Q10 and Q100 ultimate land use conditions.
- Prepare Hydrology and Hydraulics Memorandum.
- Review existing available drainage reports from Tract 31520 and 31520-1 and evaluate Berkshire Channel Hydraulics for the updated peak flows.
- Evaluate Potential Detention Basin Feasibility. Evaluation includes preliminary basin sizing, plans, basin routing calculations, inlet and outlet pipe hydraulics, emergency spillway evaluations.

Staff is requesting City Council authorize this contract amendment in an amount not to exceed \$61,847. This amendment of the professional services agreement is needed to amend the scope of work, fee, and extend the term of the contract with a new termination date of February 16, 2024.

Fiscal Impact:

The cost of preparing the staff report is estimated to be \$350. The funding for this contract amendment would be paid from the Beaumont Master Drainage Plan (MDP) Line 2, Stage 1 Project (CIP2019-019) budget. Refer to the following table for an accounting summary.

2019-019 MDP Line 2 Project Accounting Summary				
Funding Summary				
Funding Year	Funding Source		Amount	
19/20	RCFC		\$100,000.00	
20/21	RCFC		\$1,500,000.00	
21/22	RCFC		\$3,400,000.00	
Total Project Funding =			\$5,000,000.00	
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	\$500,000.00	(\$442,214.00)	(\$24,788.88)	\$57,786.00
Construction	\$4,500,000.00	\$0.00	\$0.00	\$4,500,000.00
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	\$5,000,000.00	(\$442,214.00)	(\$24,788.88)	\$4,557,786.00

Recommended Action:

Approve the First Amendment to the Professional Services Agreement with EXP U.S. Services, Inc., in an amount not to exceed \$61,847 for additional Engineering Services for the Beaumont Master Drainage Plan (MDP) Line 2, Stage 1 Project (CIP2019-19).

Attachments:

- A. First Amendment to the Professional Services Agreement with EXP U.S. Services, Inc.
- B. Scope of Work
- C. Professional Services Agreements with EXP (Original Agreement)