



Staff Report

TO: Mayor and City Council Members
FROM: Jeff Hart, Public Works Director
DATE: February 15, 2022
SUBJECT: **Award a Professional Services Agreement to Albert A. Webb Associates to Provide Engineering and Design Services for the Beaumont Mesa Lift Station and Force Main Project in an Amount Not to Exceed \$536,785**

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. The City's recent 2021 Wastewater Master Plan identifies the Beaumont Mesa Lift Station as deficient to meet the future needs of the rapidly developing area. Existing pumps are undersized to meet future flows, and the existing wet well is undersized for providing the required emergency capacity and response time. The existing 12-inch force main is also undersized for future wastewater flows.

Beaumont Mesa Lift Station and Force Main Project:

As part of the five-year Capital Improvement Plan (CIP), the City Council has budgeted the design of the Beaumont Mesa Lift Station and Force Main Project in order to resolve these deficiencies. Preliminary design efforts will include the following:

- A review of potential environmental concerns, jurisdictional requirements, permitting requirements, and right-of-way concerns;
- Geotechnical Investigation;
- Wastewater System hydraulic and operational analysis;
- Completion of Environmental documentation required by the California Environmental Quality Act (CEQA);
- Detailed Engineers Construction Cost Estimates; and
- Coordination with Southern California Edison (SCE) for increased service capacity.

Final design efforts include the preparation of detailed construction documents including construction drawings and specifications. Final design efforts will include the following:

- Design of a new pump configuration for increased pumping capacity,
- Design of additional wet well volume for increased wet well capacity,
- Design of a new 16-inch force main to parallel the exiting 12-inch force main, and
- Lift station site improvements including replacement of outdated equipment.

City staff prepared a Request for Proposal (RFP) for the Beaumont Mesa Lift Station and Force Main Project. The project was advertised November 22, 2021, and four (4) proposals were received on January 10, 2022. Each firm was evaluated by a four-person panel based on the following criteria:

- Project Approach and Scope of Services (25%),
- Project Team Organization and Qualifications (20%),
- Related Experience and Past Projects (25%),
- References (10%), and
- Proposed Fee (20%).

After review of proposals and interviews with top candidates, City staff is recommending Albert A. Webb Associates (Webb) to perform engineering and design services for the project. Webb's proposal demonstrated the most efficient approach to environmental and permitting requirements, the greatest familiarity with the local conditions of the project site and a proven history of delivering reliable engineering services for the City. Webb has partnered with the City on several recent projects including the design of the Wastewater Treatment Plant and the Brine Line project and is familiar with City standards and local project conditions. The cost of services to complete the project design is \$536,785.

City staff anticipates completion of environmental documentation and construction documents one year from project kick-off.

Project Accounting Update:

The following table is an overview of project funding available:

Project Funding Summary	
SLFRF Program	\$400,000
Wastewater DIF	\$450,000
Total Project Funding	\$850,000

The following table is an overview the project accounting summary:

WW-04 & WW-05 Project Summary			
Project Components	Budget Amount	Paid to Date	Remaining
Project Management			
Project Contingency			
Preliminary Services	\$24,400.00		\$24,400.00
Preliminary Services Contingency			
Environmental			
Environmental Contingency			
Design	\$536,785.00		\$536,785.00
Design Contingency	\$38,000.00		\$38,000.00
Construction			
Construction Contingency			
Construction Management			
Construction Management Contingency			
Permits			
Equipment			
Misc.			
Project Summary Totals	\$599,185.00	\$0.00	\$599,185.00

Fiscal Impact:

The professional services agreement in an amount not to exceed \$536,785 for the Beaumont Mesa Lift Station and Force Main Project will be paid from the CIP project's WW-04 and WW-05. City staff estimates the cost to prepare this report to be \$440.

Recommended Action:

Award a Professional Services Agreement to Albert A. Webb Associates to provide engineering and design services for the Beaumont Mesa Lift Station and Force Main Project in an amount not to exceed \$536,785.

Attachments:

- A. Professional Services Agreement – Beaumont Mesa Lift Station and Force Main Project
- B. Webb Associates Proposal to provide Professional Engineering Services for the Beaumont Mesa Lift Station and Force Main Project