



AGENDA MEMORANDUM

Action Item for the City Council Meeting of August 27, 2024

DATE: August 20, 2024

TO: Peter Zaroni, City Manager

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<p style="text-align: center;"><u>Professional Services Contract</u> Blucher Park Wastewater Improvements</p>

CAPTION:

Motion authorizing a professional services contract with LJA Engineering, Inc., Corpus Christi, Texas, to provide a Preliminary Engineering Report for the Blucher Park Wastewater Improvements Project in an amount not to exceed \$240,020.00, located in Council District 1, with FY 2024 funding available from Wastewater Capital Fund.

SUMMARY:

This motion authorizes approval of a professional services contract to complete a Preliminary Engineering Report for the Blucher Park Wastewater Improvements project. The project is required to address a confirmed capacity constraint which has been identified as part of the investigation and analysis associated with the Consent Decree.

BACKGROUND AND PURPOSE:

On January 11, 2021, the City entered into a 15-year Consent Decree agreement with the Environmental Protection Agency (EPA), Department of Justice (DOJ), and the Texas

Commission on Environmental Quality (TCEQ). The agreement identifies various benchmarks for the condition and capacity assessment of our wastewater system.

Condition assessment is focused on the collection system infrastructure and requires cleaning and close captioned television (cctv) inspection of force mains and gravity sewer mains. This infrastructure also includes manholes and air relief valves. Condition assessment analysis leads to repair, replacement, mitigation, and increased frequencies of cleaning and inspection.

The capacity assessment of the system included the development of a hydraulic model. Field inspection and rainfall measurement were also conducted to confirm the conditions of the model and the influence of inflow and infiltration. After the completion of the modeling and further analysis of historic sanitary sewer overflows (SSO), remedial measures throughout the system have been identified. These measures are to be completed as a condition of compliance with the agreement.

This investigation and hydraulic analysis have confirmed a capacity constraint resulting in constrained and inefficient wastewater flows in the Blucher Park area. The inability of the collection system to function properly has resulted in consistent SSOs. This project will assess the existing wastewater collection system and a new design will be developed which will significantly modify and upgrade the wastewater infrastructure in the area. The design improvements will alleviate the capacity constraints and reduce the likelihood of an SSO. The Preliminary Engineering Report will investigate different options, provide preliminary layout drawings, construction sequencing, alignment, right-of-way requirements, identify parameters that may affect design, and other factors required for professional design.

PROJECT TIMELINE:

2024 - 2025						
A	S	O	N	D	J	F
Design						

Projected schedule reflects City Council award in August 2024, with anticipated ELR completion in February 2025.

COMPETITIVE SOLICITATION PROCESS:

LJA Engineering, Inc. was selected in May 2024 under RFQ 5036 for Blucher Park Wastewater Improvements projects, which was one of three projects announced under the Wastewater CIP Projects category of the RFQ. The final evaluation ranked LJA Engineering, Inc. as one of the highest ranked firms based on eight factors: 1) experience on projects of similar scope and complexity, 2) demonstrated capability & capacity on comparable projects, 3) past performance, 4) team members with experience and qualifications, 5) team members experience with work of similar scope and complexity, 6) availability of resources to accomplish the work, 7) demonstrated understanding of scope of services, 8) demonstrated understanding and experience with similar services with a public agency.

LJA Engineering, Inc. has over 50 years of experience. In 2015 and 2016, LJA quired two Corpus Chrisi firms. These firms had been working in and with the City of Corpus Christi on streets, drainage, water and wastewater since 1989. LJA Engineering, Inc. has successfully completed various City projects. Some of the projects are Laguna Shores Force Main Replacement, McBride Lift Station and Force Main, Sharpsburg Lift Station and Up River Road Force Main, and Cimarron/Yorktown Lift Station.

ALTERNATIVES:

Not awarding the contract for professional services to LJA Engineering, Inc. will delay necessary improvements to the Blucher Park area, causing more costly repairs to the infrastructure and property and increasing the risk of SSOs. Additionally, not awarding this contract would jeopardize the City’s ability to meet the established goals of the Consent Decree Agreement.

FISCAL IMPACT:

The fiscal impact for FY 2024 is an amount not to exceed \$240,020.00 with funding available through the Wastewater Capital Fund.

FUNDING DETAIL:

Fund: Wastewater CIP (Fund 4260)
Department: Wastewater (46)
Org: 89
Project: Blucher Park Wastewater Improvements (Project 23018)
Account: Outside Consultants (550950)
Activity: 23018
Amount: \$240,020.00

RECOMMENDATION:

Staff recommends approval of the professional services contract with LJA Engineering, Inc., in the amount not to exceed \$240,020.00 for Blucher Park Wastewater Improvements project. The ELR phase will begin in August 2024 with anticipated completion in February 2025.

LIST OF SUPPORTING DOCUMENTS:

Location & Vicinity Maps
Evaluation Matrix
CIP Page
Contract
Presentation