URBAN ENGINEERING | DCCM

Job No. P0321

July 24, 2024

TRANSMITTED VIA EMAIL

Mr. Jeff Edmonds, P.E.
Director of Engineering Services
City of Corpus Christi
P. O. Box 9277
Corpus Christi, Texas 78469

Re: Northwest Blvd. Wastewater Infrastructure Upgrade Rehab
City Project No. 24106

Dear Jeff:

Urban Engineering I DCCM (UE) is pleased to submit for your consideration a proposal for engineering services to study and provide recommendations in an Engineering Letter Report for extension of wastewater service in the Calallen area along the southside of FM 624. This area is shown on the attached exhibit and is described as bounded by FM 624 on the north, Masters St. on the east, City limits to the South and approx. 1900' west of FM 73 (to the City Limits). UE was selected for this project as a result of our submittal to the City's RFQ 5036.

The proposed scope includes the following:

1. Develop a plan to provide wastewater service to the area noted above. This will require a new lift station with force main and gravity collection system. Note that potable water service to this area is provided by the Nueces County WCID No. 3 and not by the CCW.

2. Review the wastewater infrastructure of the Allison WWTP service area that is downstream of the noted new service area to determine the impact to the existing facilities and provide recommendations for any needed improvements to these facilities.

Urban Engineering proposes to provide the following scope of services for this project.

SCOPE OF SERVICES FOR PRELIMINARY EVALUATION AND REPORT

Task 1 – New Service Area Wastewater Plan

- Meetings: Attend various meetings with City staff to include a Kick-Off Meeting, coordination and review meetings and meetings with TxDOT and Nueces County WCID No. 3.
- Gather Data: Obtain and review existing studies, master plans and construction plans that relate to the new service area. City to furnish any available data and plans. Work with city staff to determine existing and proposed developments and wastewater demands in the area.

- Design Flows: Use generally accepted and existing Master Plan values for anticipated development for the service area to calculate wastewater planning flow rates. Work with City staff to develop a phasing approach to the development of the area and phased project implementation plan based on calculated flows.
- Site Visits: Make visits to the service area to observe existing conditions, potential lift station sites and force main routes.
- TxDOT: Gather and review existing and proposed TxDOT plans for FM 624 and coordinate with TxDOT and City staff on potential impact to any proposed and existing wastewater improvements along FM 624, including the existing gravity sewer crossings of FM 624.
- Wastewater Service Plan: Develop a service area plan for a proposed collection system and a lift station, develop preliminary layouts to review with City staff. Investigate several alternative lift station sites and force main routes during the planning.
- Lift Station: Using calculated flows to provide recommendations for lift station design and pump selection for the various phases determined for the new service area.
- Lift Station Power Supply: Coordinate with local power supply company to determine power availability and cost for any proposed lift station locations.
- Preliminary OPPC: Determine preliminary Opinion of Probable Project Cost (OPPC) for the proposed improvements.

Task 2 – Existing Downstream Wastewater Infrastructure Evaluation

- Gather Data: Gather existing plans and documents from the City on existing lift stations, force mains and collection system downstream of the new service area. Data to include existing lift station pump info and run times provided by CCW.
- Site Visits: Make visits to the existing lift stations with CCW staff to observe existing conditions and discuss potential issues with existing operations and with increasing the flow capacity.
- Create modeling of existing lift stations and force mains to utilize for impact from proposed flow from new service area and to help with recommended for any improvements necessary.
- Develop a proposed plan of any necessary improvements to existing wastewater infrastructure based on the proposed planned phased development of the new service area.
- Preliminary OPPC: Determine preliminary Opinion of Probable Project Cost (OPPC) for the proposed improvements.

Task 3 – Engineering Letter Report (ELR)

- Project Management: Provide administrative management, progress monitoring and invoicing with monthly progress reports.
- ELR (Draft & Final): Prepare draft and final Engineering Letter Report (ELR) for the proposed improvements and submit via email in a PDF format. ELR to outline the proposed improvements, provide engineer recommendations, and provide estimates of probable project cost.
- ELR Review Meetings with City: Meet with City staff to review and discuss the preliminary and final ELRs for proposed scope of work.
- Quality Control: Verify that the ELR has been checked, reviewed, and accurately describes the proposed project scope.

PROJECT SCHEDULE

Date	Activity
	Notice To Proceed (NTP)
16 Weeks from NTP	Preliminary Engineering Letter Report Submission
19 Weeks from NTP	City Review
24 Weeks from NTP	Final Engineering Letter Report Submission

We propose to perform the services described in the above Scope of Services for a lump sum fee of $80,210. We look forward to working with City staff on developing a successful project.

Should you have any questions please let me know.

Regards,
URBAN ENGINEERING, LLC

Mark Maroney, P.E.
Project Engineer
mmaroney@urbaneng.com

MM/ek

cc: Sandra Gomez, P.E. – Engr. Services. via email


NW BLVD SERVICE AREA
Legend
NW Blvd Service Area
Northwest Blvd
73
Spec's Wines, Spirits & Finer Foods
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Wright-Moravek Rd
1889
52
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