

February 4, 2025

Mr. Jeff Jiang, P.E.
Assistant Director-Public Utilities/Engineering
City of Hollywood
Department of Public Utilities
1621 N. 14th Avenue
Hollywood, Florida 33022

RE: SANITARY SEWER LIFT STATION E1 REHABILITATION
CTA PROPOSAL NO. 2025-S04.053

Dear Jeff:

We are pleased to submit this proposal for Professional Consulting Services in connection with the Lift Station E1 Rehabilitation. Lift Station E-1 is a sewage repump station serving the north/central portion of the beach area of the City of Hollywood. It is near the end of its useful life and consists of converted wet well with two (2) submersible pumps. Improvements will consist of replacing internal piping to the Station wall including valves and fittings, rehabilitating the existing concrete floor, walls, ceiling, vaults, wet well, access hatch and concrete pillars, moving the electrical equipment inside, replace electrical meter and main, replace motor control panels and rewire new pumps, new RTU, new SCADA, rewire and replace branch wiring outlets and fixtures, generator with double wall tank with leak detection, etc.

Specifically, our proposed scope of services and fees are as follows:

I. SURVEYING SERVICES

- 1.1 Prepare Design Survey (CTA Task No. 11050)
Obtain field survey information and prepare an engineering base sheet for the existing sewage Lift Station E1 using the 3D Laser Scanner. The survey information shall include detailed dimensions on pipes, pumps, panels, tanks, etc. to provide the base for engineering design. A survey base sheet will be prepared for civil engineering design.

Lump Sum.....\$32,100.00

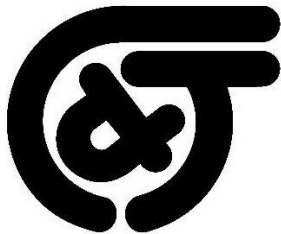
II. ENGINEERING SERVICES - CIVIL - ELECTRICAL - STRUCTURAL DESIGN

- 2.1 Pump Station Update Technical Memorandum
CTA Task No. 31004)
Prepare a technical memorandum to address the modifications to the existing Pump Station E1 including preliminary costs based on two (2) options for the modifications. The two (2) options are as follows:
- Modify PS E1 to completely separate the existing wet well to a wet well dry well configuration as it was constructed originally.
 - Keep the station as it was modified to remain a wet well configuration.

The two (2) options will be presented to the City for review and approval of an option.

Lump Sum.....\$57,800.00

CRAIG THOMPSON



& ASSOCIATES INC.

Engineers
Planners
Surveyors
Landscape Architects

2.2 Wastewater Hydraulic Analysis Report (CTA Task No. 31004)

Prepare a wastewater hydraulic analysis to determine the pump capacity requirements based on the existing wastewater transmission main size. City shall supply all information relevant to the analysis such as as-builts, run times, pressures, wet well design parameters and all else necessary to conduct the hydraulic analysis. Report shall also discuss the potential to construct a new lift station on the Site in lieu of a complete rehabilitation of the existing station.

Lump Sum..... \$42,840.00

2.3 Investigation and Data Collection (CTA Task No. 31025)

Provide investigation and data collection for existing Pump Station E1, including franchise utilities and standard infrastructure improvements. Coordinate with City regarding operation and maintenance of existing pump station to accommodate proposed design.

Lump Sum..... \$19,840.00

2.4 Final Engineering Plans (CTA Task No. 31025)

Prepare Engineering Plans, Contract Documents and Bidding Assistance for modifications to the existing sewage Lift Station E1. The upgrades will include the replacement of pumps and piping, moving electrical equipment into the building, electrical upgrades and replacement, structural work, tank replacement, SCADA, mechanical engineering, etc. The upgrades proposed to the station shall allow the station to remain in service during construction either by use of by-pass pumping, phased construction or another mechanism. Pumps will be sized based on the hydraulic analysis to be performed and any technical provided by City of Hollywood.

Lump Sum..... \$265,955.00

2.5 Prepare and Process On-site Engineering Permit Applications (CTA Task No. 31080)

Prepare and process permit applications and supporting documents through appropriate state and local agencies including:

- Broward County Resilience and Environmental Department - Wastewater
- Florida Department of Environmental Protection - Wastewater
- City of Hollywood

City of Hollywood will provide all necessary reports/documents/modeling data required to secure wastewater permits from BCRED and FDEP.

Lump Sum..... \$27,755.00

III. REIMBURSABLE EXPENSES

3.1 Reimbursable Expenses (CTA Task No. XPEN)

Reimbursable expenses shall include printing, mylars, copying, postage, photographic services, Federal Express and courier services.

Budget, Estimate..... \$500.00

IV. CONTINGENCY

4.1 Contingency

Contingency allowance shall be as directed by the City for additional services not identified within the Project Scope. No work shall take place under this Task without authorization from the City.

Allowance\$10,000.00

SUMMARY OF FEES

**SUBTOTAL- SURVEYING, ENGINEERING, AND
CONSTRUCTION OBSERVATION SERVICES \$446,290.00**
SUBTOTAL REIMBURSABLES & CONTINGENCY \$10,500.00
TOTAL \$456,790.00

PROJECT SCHEDULE

Authorization to Proceed to Bid Advertisement 9 Months

SERVICES NOT INCLUDED

Additional services will be performed as authorized in writing by the Client.
Additional services include but are not limited to the following:

1. Environmental Permitting or Consulting Services.
2. Water and Storm Drainage Improvements/Calculations.
3. Construction Related Services.
4. Exterior Improvements to LS E8.
5. Site Planning and Processing
6. Landscape Architectural and Tree Removal permitting Services.
7. Geotechnical Testing (shall be provided by client if required).
8. Utility locates and test holes (shall be provided by client if required).
9. Soil analysis and testing.
10. Material testing.
11. Services required by additional governmental regulations which might be put into effect after the date of this agreement.
12. Any additional services requested by Client.

Acceptance

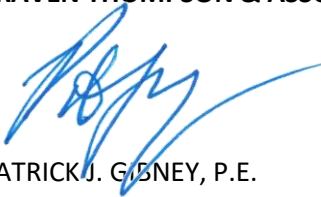
This proposal and fee schedules are based on acceptance within 30 days of the date of preparation. If not accepted by you within that time period, we reserve the right to re-evaluate the terms and conditions contained herein.

The above will be subject to the terms and conditions as specified in the Contract Documents. If the proposed work and fees contained herein are agreeable with you, please provide a Purchase Order and a Notice to Proceed.

Should you have any questions regarding the above, please do not hesitate to call.

Sincerely,

CRAVEN THOMPSON & ASSOCIATES, INC.



PATRICK J. GIBNEY, P.E.
Vice President, Engineering

PJG/tg

EXHIBIT 1
STAFF TIME ESTIMATE

Personnel	Hourly	Hours per Task									Totals	
		1.1	2.1	2.2	2.3	2.4	2.5	3.1	4.1		Hours	Cost
		Survey	Technical Memo	Analysis Report	Investigation	Design	Permitting	Reimbursables	Contingency			
Administration												
Administrative Assistant	\$95.00										0	\$0.00
Sub Total											0	\$0.00
Engineering												
Principal Engineer	\$280.00		8	8	8	40	8				72	\$20,160.00
Sr. Supervising Engineer/Sr. Project Manager	\$250.00		24	24	16	160	24				248	\$62,000.00
Senior Engineer/Project Manager	\$185.00		160	120	40	360	80				760	\$140,600.00
Project Engineer	\$155.00		80	80	40	360					560	\$86,800.00
Senior CADD Technician	\$115.00										0	\$0.00
Sub Total											1,640	\$309,560.00
Construction												
Director of Const. Management	\$185.00										0	\$0.00
Construction Manager	\$175.00										0	\$0.00
Senior Field Representative	\$135.00										0	\$0.00
Sub Total											0	\$0.00
Surveying												
Principal Surveyor	\$225.00	4									4	\$900.00
Professional Land Surveyor/Land Surveyor	\$180.00	16									16	\$2,880.00
Project Surveyor	\$155.00	40									40	\$6,200.00
Survey CADD / GIS Technician	\$115.00	40									40	\$4,600.00
Survey Crew -Laser Scan (3-Man)	\$330.00	24									24	\$7,920.00
Survey Crew (1-Man)	\$120.00	0									0	\$0.00
Survey Crew (2-Man)	\$170.00	0									0	\$0.00
Survey Crew (3-Man)	\$200.00	48									48	\$9,600.00
Sub Total											172	\$32,100.00
Landscape Arch./ Planning												
Principal Landscape Arch./Planner	\$225.00										0	\$0.00
Sr. Supervising Landscape Arch.	\$200.00										0	\$0.00
Senior Landscape Architect	\$175.00										0	\$0.00
Landscape Architect	\$150.00										0	\$0.00
Project Landscape Designer	\$150.00										0	\$0.00
Project Planner	\$150.00										0	\$0.00
Senior CADD Technician	\$115.00										0	\$0.00
Sub Total											0	\$0
Cost per Task		\$32,100.00	\$50,240.00	\$42,840.00	\$19,840.00	\$173,600.00	\$23,040.00	\$0.00	\$0.00	\$0.00		\$341,660.00
Budget per Task		\$32,100.00	\$50,240.00	\$42,840.00	\$19,840.00	\$173,600.00	\$23,040.00	\$0.00	\$0.00	\$0.00		\$341,660.00
Subconsultants												
TRC - Structural						\$58,710.00						\$58,710.00
Hillers - Electrical			\$7,560.00			\$33,645.00	\$4,715.00					\$45,920.00
												\$0.00
Subconsultants Sub Total		\$0.00	\$7,560.00	\$0.00	\$0.00	\$92,355.00	\$4,715.00	\$0.00	\$0.00	\$0.00		\$104,630.00
Total		\$32,100.00	\$57,800.00	\$42,840.00	\$19,840.00	\$265,955.00	\$27,755.00	\$0.00	\$0.00	\$0.00		
Direct Expenses								\$500.00		\$0.00		\$500.00
Contingency									\$10,000.00			\$10,000.00
Grand Total		\$32,100.00	\$57,800.00	\$42,840.00	\$19,840.00	\$265,955.00	\$27,755.00	\$500.00	\$10,000.00	\$0.00		\$456,790.00