

December 8, 2016

Mr. Clece Aurelus, P.E.
Engineering Support Service Manager
City of Hollywood
Department of Public Utilities
1621 N. 14th Avenue
Hollywood, Florida 33022

**RE: SANITARY SEWER LIFT STATION W14 REHABILITATION
CTA PROPOSAL NO. 2016-S04.372 (2nd REVISION)**

Dear Mr. Aurelus:

We are pleased to submit this proposal for Professional Consulting Services in connection with the Lift Station W14 Rehabilitation.

The proposed rehabilitation for sanitary sewer Lift Station W14 will include modifying the existing stations by replacing the existing pumps based on a wastewater system analysis to be performed, parameters for the stations will be provided by City, replacing internal piping to the Station wall including valves and fittings, rehabilitating the existing concrete floor, walls, ceiling, vaults, wet well, dry well, exterior vault, access hatch and concrete pillars, 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. The existing wet well and wall piping will remain as is. Specifically, our proposed scope of services and fees are as follows:

CRANEN THOMPSON



& ASSOCIATES INC.

Engineers
Planners
Surveyors
Landscape Architects

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 W14 using the 3D Laser Scanner. The survey information shall include detailed dimensions on pipes, pumps, panels, tanks, etc. to provide the base for the engineering design. A survey base sheet will be prepared for civil engineering design.

Lump Sum \$10,840.00

II. ENGINEERING SERVICES - CIVIL - ELECTRICAL - STRUCTURAL DESIGN

2.1 Wastewater Hydraulic Analysis Report (CTA Project No.

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.

Lump Sum \$9,000.00

3563 N.W. 53rd Street
Fort Lauderdale, FL 33309-6311
(954)739-6400
Fax (954) 739-6409

- 2.2 Investigation and Data Collection (CTA Task No. 31025)
Provide investigation and data collection for existing Pump Station W 14, including franchise utilities and standard infrastructure improvements. Coordinate with City regarding operation and maintenance of existing pump station to accommodate proposed design.

Lump Sum \$10,080.00

- 2.3 Final Engineering Plans (CTA Task No. 31025)
Prepare Engineering Plans, Contract Documents and Bidding Assistance for modifications to the existing sewage Lift Station W2. The upgrades will include the replacement of pumps and piping, electrical upgrades and replacement, structural work, tank replacement, SCADA, mechanical ventilation, 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 \$81,170.00

- 2.4 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 Environmental Protection 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 BCEPD and FDEP.

Lump Sum \$6,680.00

III. CONSTRUCTION OBSERVATION SERVICES

- 3.1 Limited Construction Observation (CTA Task No. 31120)
Attend pre-construction meeting with the Contractor; review and approve shop drawings, provide responses to RFI's, attend progress meetings and perform general periodic site reviews as required to determine, in general, if the work is being performed in a manner that when completed it will be in accordance with the contract documents. Site visits are anticipated to be a total of one (1) per week for a total of thirty-nine (39) visits for the Project. Construction is estimated to last nine (9) months, (39 weeks) for all disciplines. Review record drawings prepared by Contractor; attend final walkthrough with Contractor; review final punch list, and prepare Statement of Completion of construction documents. City of Hollywood will provide the majority of the inspections and reports necessary for certification.

Hourly, Not-to-Exceed..... \$34,515.00

IV. REIMBURSABLE EXPENSES

4.1 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

V. CONTINGENCY

5.1 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

***SUBTOTAL- SURVEYING, ENGINEERING AND
CONSTRUCTION OBSERVATION SERVICES***..... \$152,285.00

SUBTOTAL REIMBURSABLES & CONTINGENCY \$10,500.00

TOTAL \$162,785.00

PROJECT SCHEDULE

Authorization to Proceed to Bid Advertisement 8 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. Exterior Improvements to LS W14.
4. Site Planning.
5. Landscape Architectural and Tree Removal permitting Services.
6. Geotechnical Testing (shall be provided by client if required).
7. Utility locates and test holes (shall be provided by client if required).
8. Soil analysis and testing.
9. Material testing.
10. Services required by additional governmental regulations which might be put into effect after the date of this agreement.
11. 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