

January 25, 2024

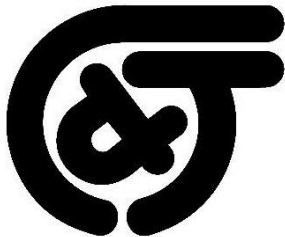
Ms. Naudia Harty, PMP, MBA
Project Manager
Department of Public Works
City of Hallandale Beach
630 NW 2nd Street
Hallandale Beach, Florida 33009

**RE: CITY OF HALLANDALE BEACH
LIFT STATION NO. 9, FOSTER ROAD IMPROVEMENT PROJECT
CTA PROPOSAL NO. 2023-S04.333 (2nd REVISION)**

Dear Ms. Harty:

The firm of Craven Thompson & Associates, Inc. (CTA) is pleased to provide you with the following proposal for professional engineering services through our Continuing Service Contract FY 2018-2019-012, for the above referenced project.

CRAVEN THOMPSON



& ASSOCIATES INC.

Engineers
Planners
Surveyors
Landscape Architects

The lift station #9 site is located on the SE corner of OB Johnson Park, NE, at the intersection of Foster Road and NW 7th Terrace in the City of Hallandale Beach. The property is a triangular-shaped site with approximately two hundred (200) linear feet adjacent to Foster Road, ninety (90) linear feet adjacent to NW 7th Terrace, and one hundred sixty-seven (167) linear feet adjacent to OB Johnson Park. Currently, the Lift Station #9 site is generally a grass area with a driveway on NW 7th Terrace, a perimeter fence with an access gate, a generator with an associated control panel, a wet well, two (2) submersible 25 horsepower pumps, a valve vault, and an incoming gravity manhole.

The work consists of rehabilitating the existing lift station, wet well, vault, replacement of panels, driveway, landscaping, etc.

I. SURVEYING SERVICES

1.1 Topographic Survey (CTA Task No. 12160)

Survey shall meet current Surveying requirements of the Board of Professional Surveyors and Mappers of the State of Florida, as defined in Chapter 51-17, Florida Administrative Code. Survey shall include the following:

- Complete detailed survey of wet well, vaults, hatches, panels, etc. depicting elevations of bottom of structures, inverts, pipe sizes, etc.
- The elevations shall be relative to the North American Vertical Datum of 1988 (NAVD88) and based on National Geodetic Survey (NGS), Florida Department of Transportation.
- The surveys shall be in the horizontal projection: State Plane, Florida East Zone, NAD 83(2011), US Survey feet.
- Survey drawings shall be prepared in AutoCAD Civil 3D, Version 2019 or higher.
- Final deliverable shall be provided in hard copy, signed and sealed surveys, and electronically signed PDF's. Surveys shall be prepared at 22" x 34" size, suitable for printing.

Hourly, Not-to-Exceed.....\$5,000.00

II. ENGINEERING SERVICES

2.1 Civil Engineering Design (CTA Task No. 31025)

Prepare design plans and calculations for the proposed rehabilitation of lift station #9 for review at the 60% design phase, 90% design phase, and 100% design phase. Plans shall include sufficient information for permitting and bidding purposes. Specific design work is as follows:

1. Replace valves and piping in the valve vault
2. Replace piping within the wet well
3. Clean, repair, and coat the interior surface of the wet well
4. Replace the valve vault cover with a hinged access hatch
5. New Driveway
8. Application of a Channel Grinder into the pump system
9. The necessary privacy landscape around the site with the sight triangle in mind
10. A new, larger top slab on the Wet Well
11. Odor Control System
12. Fall Prevention Grates inside the Wet Well

Lump Sum..... \$40,120.00

2.2 Electrical Engineering Design (To be Provided by Quantum Electrical Engineering)

Prepare plans and technical specifications for the proposed rehabilitation of lift station #9 for review at the 60% design phase, 90% design phase, and 100% design phase. Plans shall include sufficient information for permitting and bidding purposes. Specific design work is as follows:

1. Design replacement of existing control panels, corroded equipment, including starter panels, instruments, float switches, disconnect switches, cabinets and enclosures for automatic transfer switches.
2. Provide additional site lighting per code.

Lump Sum..... \$18,859.00

2.3 Landscape Architecture Design

Prepare plans and technical specifications for the proposed landscape upgrades to the existing lift station #9 site for review at the 30%, 60% design phase, 90% design phase, and 100% design phase. Plans shall include sufficient information for permitting and bidding purposes.

Lump Sum..... \$17,800.00

2.4 Permitting (CTA Task No. 34050)

Obtain engineering design permits to allow the City to bid out the construction of the project. This item includes processing of the permit applications and responding to all permit agencies comments. This item does not include permits fees, which are to be provided by the City.

- City of Hallandale Beach - Engineering and Building Department

Lump Sum..... \$9,300.00

2.5 Meeting (CTA Task No. 31101)

Attend meeting with City of Hallandale Beach, City of North Miami Beach and FDOT as necessary throughout the design of the project to assure compliance with standards and agreements.

Not to Exceed \$5,580.00

2.6 Bidding Services (CTA Task No. 34060)

Assist the City in preparing the Bid Documents including incorporating the City's front-end documents. Construction Documents shall be provided to the City to acquire bids. The Bid shall be a unit price contract and a bid schedule will be provided. The City shall provide the front-end documents and procurement. This task includes responses to bidder questions, plan and document revisions for Addendum (if necessary), assist the City in preparing Addendum Package and Bid Review.

- Respond to Request for Information (RFI) from prospective bidders.
- Provide supplement information to prospective bidders as necessary, and issue addenda during the bid process.
- The following meetings are included in this task:
 - One (1) meeting with the City for pre-bid-meeting.

Lump Sum..... \$5,360.00

2.7 Construction Phase Services (CTA Task No. 34070)

Provide field observation and inspection services for the proposed project. The field observations and civil engineering inspections are estimated at eight (8) hours per week for a construction period of four (4) months for a senior inspector (128 hrs.), electrical engineering inspections up to ten (10) site visits. Services include review of shop drawings and product submittals, review of contractor pay applications, site visits, testing observation, attendance at meetings (up to 20 hours), coordination with City's construction manager, part time on-site observations/verification of construction in progress (including observation of specialized field tests) to determine if construction is proceeding in substantial accordance with the Contract Documents and consider and evaluate Construction Contractor's suggestions for modifications in drawings or specifications. Shop drawing logs, RFI logs, and inspection reports will be maintained and provided to the City.

Hourly, Not to Exceed \$37,585.00

2.8 Project Closeout (CTA Task No. 31125)

- Attendance at the pump station startup to verify that it will be capable of performing per the required design and prepare a recommendation or project acceptance for the City.
- Coordinate and process closeout services to all relevant permitting agencies once satisfactory as-builts have been provided by CONTRACTOR, this does not include preparation of survey information for as-builts.

Lump Sum..... \$8,760.00

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

3.2 Permit Fees (CTA Task No. 33150)

Permit Fees shall include payment of permit fees for engineering permits up to the budget estimate.

Budget, Estimate..... \$7,500.00

SUMMARY OF FEES

| | |
|---|---------------------|
| I. SURVEYING SERVICES | \$5,000.00 |
| II. ENGINEERING SERVICES | \$143,364.00 |
| III. REIMBURSABLE EXPENSES | \$8,000.00 |
| GRAND TOTAL | \$156,364.00 |

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 consulting services.
2. Maintenance of Traffic Plans
3. Dewatering Design and Permitting
4. Material testing.
5. Any services required in connection with threatened or endangered species.

6. Services required by additional governmental regulations which might be put into effect after the date of this agreement.
7. Any additional services requested by Client.
8. Traffic Analysis or Study.
9. Structural related design, calculations, inspections, and certifications.

Acceptance

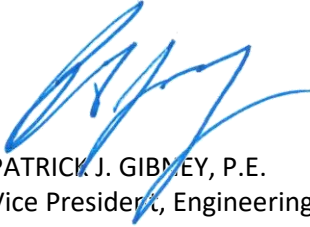
This proposal and fee schedules are based on acceptance within 90 days of the date of preparation. If not accepted by you within that time period, we reserve the right to re-evaluate the terms and conditions contained herein.

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 B
STAFF TIME ESTIMATE

| Personnel | Hourly Rate | Hours per Task | | | | | | | | | | | Totals | |
|----------------------------------|-------------|----------------|-------------|-------------|-------------|------------|------------|------------|-------------|------------|----------|------------|--------|--------------|
| | | Task 1.1 | Task 2.1 | Task 2.2 | Task 2.3 | Task 2.4 | Task 2.5 | Task 2.6 | Task 2.7 | Task 2.8 | Task 3.1 | 3.2 | Hours | Cost |
| | | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0006 | 0007 | 0008 | 0008 | 0009 | | |
| Administration | | | | | | | | | | | | | | |
| Administrative Assistant | \$75.00 | | | | | | | | | 8 | | | 8 | \$600.00 |
| Sub Total | | | | | | | | | | | | | 8 | \$600.00 |
| Engineering | | | | | | | | | | | | | | |
| Principal Engineer | \$210.00 | | 12 | | | | | 4 | | | | | 16 | \$3,360.00 |
| Sr. Supervising Engineer | \$190.00 | | 36 | | | 8 | 8 | 12 | 8 | 24 | | | 96 | \$18,240.00 |
| Senior Engineer | \$140.00 | | 56 | | | 16 | 8 | 16 | 8 | | | | 104 | \$14,560.00 |
| Project Engineer | \$120.00 | | 96 | | | 24 | 4 | | | | | | 124 | \$14,880.00 |
| Senior CADD Technician | \$95.00 | | 120 | | | | | | | | | | 120 | \$11,400.00 |
| Sub Total | | | | | | | | | | | | | 460 | \$62,440.00 |
| Construction | | | | | | | | | | | | | | |
| Construction Manager | \$150.00 | | | | | | | | 60 | 24 | | | 84 | \$12,600.00 |
| Senior Field Representative | \$140.00 | | | | | | | | 120 | | | | 120 | \$16,800.00 |
| Field Representative | \$100.00 | | | | | | | | | | | | 0 | \$0.00 |
| Sub Total | | | | | | | | | | | | | 204 | \$29,400.00 |
| Landscape Arch./ Planning | | | | | | | | | | | | | | |
| Principal LA Planner | \$170.00 | | | | 8 | 2 | 4 | | | | | | 14 | \$2,380.00 |
| Sr Supervising LA | \$155.00 | | | | 32 | 8 | 8 | | | | | | 48 | \$7,440.00 |
| Sr. Landscape Architect | \$135.00 | | | | 48 | 8 | 4 | | | | | | 60 | \$8,100.00 |
| Landcaoe Architect | \$125.00 | | | | | | | | | | | | 0 | \$0.00 |
| Sub Total | | | | | | | | | | | | | 122 | \$17,920 |
| Cost per Task | | \$0.00 | \$40,120.00 | \$0.00 | \$12,800.00 | \$9,300.00 | \$5,580.00 | \$5,360.00 | \$28,440.00 | \$8,760.00 | \$0.00 | \$0.00 | | \$110,360.00 |
| Budget per Task | | \$0.00 | \$40,120.00 | \$0.00 | \$12,800.00 | \$9,300.00 | \$5,580.00 | \$5,360.00 | \$28,440.00 | \$8,760.00 | \$0.00 | \$0.00 | | \$110,360.00 |
| Surveying CTA | \$5,000.00 | | | | | | | | | | | | | \$5,000.00 |
| Subconsultants | | | | | \$5,000.00 | | | | | | | | | \$5,000.00 |
| Irrigation - Mausuen | | | | \$18,859.00 | | | | | \$9,145.00 | | | | | \$28,004.00 |
| Electrical Engineering - Quantum | | | | | | | | | | | | | | |
| Subconsultants Sub Total | | \$5,000.00 | \$0.00 | \$18,859.00 | \$5,000.00 | \$0.00 | \$0.00 | \$0.00 | \$9,145.00 | \$0.00 | \$0.00 | \$0.00 | | \$38,004.00 |
| Total Direct Expenses | | \$5,000.00 | \$40,120.00 | \$18,859.00 | \$17,800.00 | \$9,300.00 | \$5,580.00 | \$5,360.00 | \$37,585.00 | \$8,760.00 | \$0.00 | \$0.00 | | \$500.00 |
| Permit Fees | | | | | | | | | | | \$500.00 | \$7,500.00 | | \$7,500.00 |
| Grand Total | | \$5,000.00 | \$40,120.00 | \$18,859.00 | \$17,800.00 | \$9,300.00 | \$5,580.00 | \$5,360.00 | \$37,585.00 | \$8,760.00 | \$500.00 | \$7,500.00 | | \$156,364.00 |