

August 10, 2017

Ms. Mariana Pitiriciu, P.E., P.M.P.
Department of Public Works
City of Hallandale Beach
630 NW 2nd Street
Hallandale Beach, Florida 33009

**RE: CITY OF HALLANDALE BEACH
THREE ISLANDS SAFE NEIGHBORHOOD DISTRICT
THREE ISLAND GUARDHOUSES AND TRAFFIC CALMING PROJECT
CTA PROPOSAL NO. 2017-H07.166 (REVISED)**

Dear Mariana,

The firm of Craven Thompson & Associates, Inc. (CTA) is pleased to provide you with the following proposal for professional surveying, civil engineering, and landscape architectural design services through our Continuing Service Contract FY 2013-2014-006, for the above referenced project.

The project area is located within the Three Islands Neighborhood on Three Islands Boulevard to Atlantic Shores Boulevard. The project consists of traffic calming, accessible ramps and crosswalks, landscaping and lighting at guard houses, electronic speed feedback signs, bike lane markings, guard house painting and gate arm replacement. The improvements are based on the ADA Engineering Study "Three Islands Guardhouses and Traffic Calming Project Master Plan Report" dated May 10, 2016.

Our specific scope is as follows:

I. SURVEYING SERVICES

1.1 Design Survey (CTA Task No. 11290)

Prepare a design survey for design purposes within the city-owned Right-of-Way along Three Islands Boulevard from the Guard House north of Hallandale Beach Boulevard to the City limits, west on Atlantic Shores Boulevard from Three Islands Boulevard to the Guard House and on Parkview Drive from the bridge to the City Limits. The total length of survey is approximately 6,000 LF of roadway. The survey will meet current surveying requirements of the Board of Professional Surveyors and Mappers of the State of Florida, as defined in Chapter 5J-17.050-.052, Florida Administrative Code.

- The survey will include the recovery of sufficient existing boundary and/or right-of-way monumentation to determine the right-of-way lines needed in order to tie all visible improvements to.
- Locations of all aboveground and visible improvements, including all pavement, slabs, fences, signs, overhead wires, trees, and utility features, within the limits of the existing platted rights-of-way.

CRAVEN THOMPSON



& ASSOCIATES INC.

Engineers
Planners
Surveyors
Landscape Architects

3563 N.W. 53rd Street
Fort Lauderdale, FL 33309-6311
(954)739-6400
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- Locations to also include any large trees whose canopy overhangs the sidewalk or street, overhead wires, and fire hydrants within 5' of edge of sidewalk.
- Rims and invert elevations will be measured on all sanitary and drainage structures found within the project limits, if accessible and physically unobstructed, otherwise they will be noted on the drawing.
- Elevation datum will be relative to North American Vertical Datum of 1988 (NAVD88), and based on Palm Beach County, National Geodetic Survey (NGS) or Florida Department of Transportation (FDOT) benchmarks.
- The surveys will be in the projection: State Plane, Florida East Zone, NAD 83(90), US Survey feet.
- Two (2) benchmarks will be provided on, or immediately adjacent to, for future construction.
- The preparation of the survey drawing will be in AutoCAD Civil 3D, Version 2014 or higher, drawing file format.
- The final deliverable will be provided in hard copy, signed and sealed surveys (22" x 34").

Lump Sum..... \$16,020.00

II. **CIVIL ENGINEERING SERVICES**

- 2.1 **Final Paving and Grading Plans** (CTA Task No. 31030)
 Prepare final paving and grading including, crosswalks, curbing, traffic calming, details and cross-sections for the Project Area. Plans will be submitted for review at 60% and 90% completion. Task also includes cost estimates at 60%, 90% and 100% completion.

Lump Sum..... \$11,800.00

- 2.2 **Final Pavement Markings and Signage Plans** (CTA Task No. 31035)
 Prepare final pavement markings and signage plans including Speed Feedback Signs, Bicycle Lane charrows/delineations, cross walk markings and signage and details for the Project Area. Plans will be submitted for review at 60% and 90% completion. Task also includes cost estimates at 60%, 90% and 100% completion.

Lump Sum..... \$5,240.00

- 2.3 **Final Electrical Engineering Plans (Prepared by Hillers Electrical Engineering)**
 Prepare final electrical plans for clubhouse lighting enhancements and Speed Feedback Signs. Plans will be submitted for review at 60% and 90% completion. Task also includes cost estimates at 60%, 90% and 100% completion.

Lump Sum..... \$8,750.00

- 2.4 **Prepare and Process Permit Applications** (CTA Task No. 31080)
 Prepare and process the following permit applications and supporting documents through applicable state and local agencies. This includes the following entities:

- City of Hallandale Beach - Right of Way Permit
- Broward County Traffic Engineering Division.

Lump Sum..... \$4,800.00

- 2.5 Meetings with Client, Architect and Agencies (CTA Task No. 31100)
Attendance at meetings with client and agencies, as required. It is anticipated that there will be a total of sixteen (16) hours of meetings for Engineering services.

Lump Sum..... \$2,880.00

- 2.6 Prepare Written Specifications (CTA Task No. 31130)
Prepare technical specifications and bid schedule for the site civil aspects of the project. Front end documents, Contract and Bid Processing will be provided by the City.

Lump Sum..... \$2,300.00

III. LANDSCAPE ARCHITECTURAL SERVICES

- 3.1 Conceptual Landscape Plan (both Guardhouse Locations) (CTA Task No. 21025)
Prepare conceptual landscape plan for Client review and approval. Task will include conceptual planting design for both guardhouse medians as defined in the Traffic Calming Master Plan Report

Lump Sum..... \$2,800.00

- 3.2 Conceptual Landscape Plan (On Street Landscape Bulb-outs) (CTA Task No. 21025)
Prepare conceptual landscape plan for Client review and approval. Task will include conceptual planting design for the proposed on street planting bulb-outs as defined in the Traffic Calming Master Plan Report.

Lump Sum..... \$3,060.00

- 3.3 Final Landscape Plan (Guardhouse Locations) (CTA Task No. 21030)
Following approval of the conceptual landscape design, CTA will prepare a set of landscape construction documents for both Guardhouse locations as approved. The plans will include a comprehensive plant list that will supply quantity and plant specifications for all trees/shrubs and complete landscape details that will be suitable for construction.

Lump Sum..... \$3,840.00

- 3.4 Final Landscape Plan (On Street Landscape Bulb-outs) (CTA Task No. 21030)
Following approval of the conceptual landscape design, CTA will prepare a set of landscape construction documents for all on-street planting bulb-out locations as approved. The plans will include a comprehensive plant list that will supply quantity and plant specifications for all trees/shrubs and complete landscape details that will be suitable for construction.

Lump Sum..... \$3,840.00

3.5 Irrigation Plan (CTA Task No. 21035) **(Prepared by Masuen Consulting)**

Prepare 100% irrigation plans including details and specifications suitable for bidding and construction. Irrigation plan is to be finalized once the conceptual site and conceptual landscape plans have been approved by the City. Water source is assumed to be potable, but with the caveat of reclaimed water possible in the future, therefore a purple pipe system will be designed.

Lump Sum..... \$6,500.00

3.6 Attendance at Meetings (CTA Task No. 24000)

Task includes the attendance at meetings with the Client and/or other project team members for project design and coordination.

Hourly, Not to Exceed \$2,880.00

IV. MISCELLANEOUS

4.1 Reimbursable Expenses (CTA Task No. 31140)

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

Estimated Budget..... \$250.00

SUMMARY OF FEES

I.	SURVEYING SERVICES	\$16,020.00
II.	CIVIL ENGINEERING SERVICES	\$35,770.00
III.	LANDSCAPE ARCHITECTURAL SERVICES	\$22,920.00
IV.	REIMBURSABLE EXPENSES	\$250.00
	GRAND TOTAL	\$74,960.00

DELIVERABLES

At 60%

- only digital format (one single PDF and AutoCAD files
- Survey PDF files and AutoCAD files
- all technical reports if available at this phase
- Opinion of probable cost
- Bid Item List

At 90%

- Only Digital (One single PDF file and AutoCAD files
- Technical specifications
- All technical reports
- Opinion of probable cost
- Bid Item list

At 100%

- Design Plans Digital - PDF electronic signed and sealed if allowed
- Design Plans Three hard copies signed and sealed
- Technical specification signed and sealed one PDF and one hard copy
- Bid Item List

SCHEDULE

60% Submittal - 12 weeks from NTP

90% Submittal - 12 weeks from receiving 60% comments from the City

100% Submittal - 8 weeks from receiving 90% comments from the City, Permitting Agencies and Broward County Traffic Engineering Division.

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. Material testing.
3. Maintenance of Traffic Plans
4. Construction Observation Services.
5. Renderings.
6. Any services required in connection with threatened or endangered species.
7. Services required by additional governmental regulations which might be put into effect after the date of this agreement.
8. Any additional services requested by Client.
9. Traffic Analysis or Study.

INFORMATION PROVIDED BY OTHERS

1. Permit applications fees and recording fees.

**CRAVEN THOMPSON & ASSOCIATES, INC.
HOURLY FEE SCHEDULE**

Civil Engineering Services

Principal Engineer	\$195/Hour
Senior Supervising Engineer	\$175/Hour
Senior Engineer	\$130/Hour
Project Engineer	\$110/Hour
Engineering Senior CADD Technician	\$90/Hour

Land Surveying & Mapping Services

Principal Surveyor	\$155/Hour
Professional Land Surveyor	\$120/Hour
Project Surveyor	\$110/Hour
Survey CADD / GIS Tech	\$80/Hour
Survey Field Crew (1-Man Crew)	\$87/Hour
Survey Field Crew (2-Man Crew)	\$125/Hour
Survey Field Crew (3-Man Crew)	\$155/Hour
Survey Crew with Laser Scan (3-Man Crew)	\$250/Hour

Landscape Architecture and Planning Services

Principal Landscape Architect / Principal Planner	\$155/Hour
Senior Supervising Landscape Architect	\$145/Hour
Senior Landscape Architect	\$130/Hour
Landscape Architect	\$120/Hour
Project Landscape Designer	\$110/Hour
Project Planner	\$110/Hour

Construction Administration Services

Director of Construction Management	\$140/Hour
Senior Field Representative	\$90/Hour
Field Representative	\$80/Hour

Miscellaneous

Clerical	\$70/Hour
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Acceptance

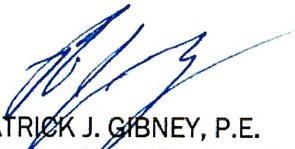
This proposal and fee schedules are based on acceptance within 90 days of the date of preparation. If not accepted by you within that time period, we reserve the right to re-evaluate the terms and conditions contained herein.

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

ACCEPTANCE OF PROPOSAL: The above fees, terms, conditions, and specifications are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined.

THIS PROPOSAL ACCEPTED BY:

Name & Title

Firm Name

Date

Telephone Number

Facsimile Number

CRAVEN THOMPSON & ASSOCIATES INC.

May 7, 2019

Mr. Jesus Padron
Department of Public Works
City of Hallandale Beach
630 NW 2nd Street
Hallandale Beach, Florida 33009

**RE: CITY OF HALLANDALE BEACH
THREE ISLANDS SAFE NEIGHBORHOOD DISTRICT
TRAFFIC CALMING PROJECT - ADDITIONAL SERVICES
CONTRACT ADDENDUM #1
CTA PROPOSAL NO. 2019-H07.100 (REVISED)**

Dear Jesus,

The firm of Craven Thompson & Associates, Inc. (CTA) is pleased to provide you with a proposal for additional services for professional civil engineering, landscape architectural design services for the above referenced project.

After submittal and presentation of the Conceptual Site Plan to City Transportation staff and the Community, additional items outside of the current contract were requested to be included in the final construction documents. In order to successfully complete the project and satisfy the needs and requests of the community, the following additional service items are proposed:

- The project limits will be revised and expanded to include the following: Atlantic Shores Blvd. from the Guardhouse on the west to Three Islands Boulevard on the east. Three Islands Boulevard from the City limit on the north to the Guardhouse on the south. Parkview Drive from Three Islands Boulevard east to the City limit. Leslie Drive from Parkview Drive south to the cul-de-sac.
- Mill and resurface of the existing roadway within the revised project limits.
- Full redesign and additional permitting of the pavement markings within the revised project limits. The County requires all new pavement markings to be installed per current code.
- Installation of two (2) additional raised pedestrian crossings. The first located along Three Islands Boulevard and NE 11th Street, at the northern edge of the City limit. The second located along Three Islands Boulevard at the existing midblock pedestrian crossing to Joseph Scavo Park.
- Bid document preparation, attendance at bid conferences, bidding assistance and final bid recommendation.
- Project management services through construction completion.
- Traffic Study for the reconfiguration of travel lanes.
- Geotechnical pavement core testing.
- Construction Administration Services & Project Certification

CTA has continued to progress on the development of the permit and construction drawings per the original contract, however these additional items will be required to successfully complete the project.

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In addition to the services listed above and in anticipation of the scheduled presentation to the City Commission, an additional line item (IV.) for contingency is provided to provide additional services as requested by the Client. The services under this item would cover any additional services or revisions to the construction documents, coordination or any other services required as a result of Commission or Client requests. This task would be completed if the City authorizes the additional work in writing under item IV.

I. CIVIL ENGINEERING - ADDITIONAL SERVICES

- 1.1 Final Paving and Grading Plans (CTA Task No. 31030)
Prepare final paving and grading including two (2) additional raised crosswalks, curbing, details and cross-sections for the revised Project Area. Plans will be submitted for review at 90% completion. Task also includes cost estimates at 90% and 100% completion.
- Lump Sum..... \$4,500.00*
- 1.2 Final Pavement Markings and Signage Plans (CTA Task No. 31035)
Prepare final pavement markings and signage plans including Speed Feedback Signs, Bicycle lane sharrows, cross walk markings, signage and details within the revised Project Area. Plans will be submitted for review at 90% completion. Task also includes cost estimates at 90% and 100% completion.
- Lump Sum..... \$10,500.00*
- 1.3 Meetings with Client, Architect and Agencies (CTA Task No. 31100)
Prepare for and attend coordination meetings and conference calls regarding the proposed project. This task shall include meetings with the Client, site planners, environmentalists, local permitting agencies, the public, and the City of Fort Lauderdale.
- Hourly, Not-to-Exceed..... \$1,500.00*
- 1.4 Contract Document Preparation, Bidding Assistance (CTA Task No. 31115)
Prepare Contract Documents, attend Pre-Bid Meetings, Prepare Addendums, answer bidder RFI's, review of bids and prepare Bid Analysis, and recommendation of approval of qualified bidder.
- Hourly, Not-to-Exceed..... \$3,150.00*
- 1.5 Traffic Study by Sub-Consultant (CTA Task No. 31007)
A traffic study may be required by Broward County to permit the proposed improvements. If required, CTA will contract with a Sub-Consultant to complete the study.
- Lump Sum..... \$9,750.00*
- 1.6 Geotechnical Pavement Testing (CTA Task No. 31006)
CTA will contract with a Sub-Consultant to perform pavement core analysis along the roadway corridor to determine the existing pavement conditions and depth and provide recommendation for required mill and overlay depths. This phase will include approximately ten (10) pavement cores.
- Lump Sum..... \$3,250.00*

II. LANDSCAPE ARCHITECTURAL SERVICES

- 2.1 Construction Observation (CTA Task No. 21065)
General project management services for including review and coordination of shop drawings, site visits, RFI's, potential Change Orders, etc. This amount accommodates up to 30 hours of billable time.

Hourly, Not-to-Exceed..... \$4,350.00
- 2.2 Rendering Services (CTA Task No. 21065)
These optional services are to provide illustrative graphics that could be presented in a public forum such as anticipated city commission meetings if required. Rendering graphics would be limited to plan and section view or diagrams only. Perspective style renderings would not be included. This amount accommodates up to 30 hours of billable time.

Hourly, Not-to-Exceed..... \$2,320.00
- 2.3 Contract Document Preparation, Bidding Assistance (CTA Task No. 31115)
Prepare Contract Documents, attend Pre-Bid Meetings, Prepare Addendums, answer bidder RFI's, review of bids and prepare Bid Analysis, and recommendation of approval of qualified bidder.

Hourly, Not-to-Exceed..... \$1,250.00

III. CIVIL ENGINEERING - CONSTRUCTION SERVICES

- 3.1 Civil Engineering Construction Observation (CTA Task No. 31120)
Provide construction observation for the proposed improvements as required during the course of construction of the project. This includes inspections required by regulatory agencies and principal Governments, observation of testing and reporting of results and final inspection. Inspections will be part-time, approximately two and a half (2.5) hours per day, two and a half (2.5) days per week for an anticipated construction schedule of eight (8) months to complete construction of all proposed improvements and roadways. In addition to site inspections, construction services will also include attendance at pre-construction conferences and site meetings, review of shop drawings for specified materials and equipment and provide determination if the improvements are in substantial conformance with the contract plans. This task does not include preparation of any survey information for as-builts or production of record drawings. This task assumes that all improvements will be constructed at the same time and does not include phasing.

Hourly, Not-to-Exceed..... \$18,000.00
- 3.2 Civil Project Final Certifications (CTA Task No. 31125)
Item includes review, preparation, and submittal of final certification packages as required for drainage and pavement marking & signage acceptance by their respective governing agencies. This task does not include preparation of any survey information for as-builts or production of record drawings. This task assumes that all improvements will be constructed at the same time and does not include phasing.

Lump Sum..... \$1,250.00

IV. CONTINGENCY SERVICES

4.1 Client Requested Revisions (CTA Task No. 31130)

This item includes additional services to provide plan revisions, coordination, or any other additional services requested by the client. This task would be completed only if the City authorizes the additional work.

Hourly, Not-to-Exceed \$28,250.00

SUMMARY OF FEES

I.	CIVIL ENGINEERING SERVICES.....	\$32,650.00
II.	LANDSCAPE ARCHITECTURAL SERVICES	\$7,920.00
III.	CIVIL ENGINEERING SERVICES – CONSTRUCTION SERVICES.....	\$19,250.00
IV.	CONTINGENCY SERVICES	\$28,250.00
	GRAND TOTAL	\$88,070.00

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 or services required in connection with threatened or endangered species.
2. Pavement or Geotechnical Material testing.
3. Maintenance of Traffic or Phasing Plans.
4. Utility plans.
5. Any agreements or permits from the City for Right of Way Improvements (Landscape, Irrigation).
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.

INFORMATION PROVIDED BY OTHERS

1. Permit applications fees and recording fees.

HOURLY FEE SCHEDULE

Civil Engineering Services

Principal Engineer	\$200/Hour
Senior Supervising Engineer	\$185/Hour
Senior Engineer	\$135/Hour
Project Engineer	\$115/Hour
Engineering Senior CADD Technician	\$95/Hour

Land Surveying & Mapping Services

Principal Surveyor	\$165/Hour
Professional Land Surveyor	\$125/Hour
Project Surveyor	\$115/Hour
Survey CADD / GIS Tech	\$85/Hour
Survey Field Crew (1-Man Crew)	\$92/Hour
Survey Field Crew (2-Man Crew)	\$130/Hour
Survey Field Crew (3-Man Crew)	\$160/Hour
Survey Crew with Laser Scan (3-Man Crew)	\$260/Hour

Landscape Architecture and Planning Services

Principal Landscape Architect / Principal Planner	\$165/Hour
Senior Supervising Landscape Architect	\$150/Hour
Senior Landscape Architect	\$135/Hour
Landscape Architect	\$125/Hour
Project Landscape Designer	\$115/Hour
Project Planner	\$115/Hour

Construction Administration Services

Director of Construction Management	\$145/Hour
Construction Manager	\$125/Hour
Senior Field Representative	\$95/Hour
Field Representative	\$85/Hour

Miscellaneous

Clerical	\$75/Hour
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Acceptance

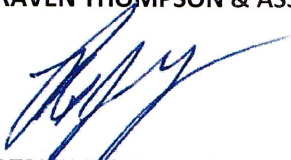
This proposal and fee schedules are based on acceptance within 90 days of the date of preparation. If not accepted by you within that time period, we reserve the right to re-evaluate the terms and conditions contained herein.

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

ACCEPTANCE OF PROPOSAL: The above fees, terms, conditions, and specifications are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined.

THIS PROPOSAL ACCEPTED BY:

Name & Title

Firm Name

Date

Telephone Number

Facsimile Number

CRAVEN THOMPSON & ASSOCIATES INC.

