

December 4, 2015

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
NE 14TH AVENUE STREETScape IMPROVEMENTS
CTA PROPOSAL NO. 2015-H07.412 (REVISED)**

Dear Mariana,

CRIVEN THOMPSON



& ASSOCIATES INC.

Engineers
Planners
Surveyors
Landscape Architects

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 along N.E. 14th Avenue between Hallandale Beach Boulevard and Atlantic Shores Boulevard. The project corridor is approximately 3,400 linear feet. Based upon the conceptual design provided by Bermello Ajamil and coordination with city staff, the scope of services is described below:

- Mill and overlay entire roadway (including pavement markings).
- On east side of N.E. 14th Avenue, mill and overlay off-street parking (including pavement markings) and provide new Type 'D' curbed landscape bulb-outs to delineate parallel parking and include canopy trees, shrubs, groundcover and spray and drip irrigation.
- Provide bike lanes on both sides of roadway.
- Provide curbing or other treatments at existing driveway entrances.
- On the west side of N.E. 14th Avenue, provide canopy trees with ground cover intermingled and drip irrigation. Type of canopy trees will be limited due to extensive underground utilities and overhead wires.
- Provide landscape screening along north, south, and west sides of the two (2) storm water pump stations. Please note: Landscaping along the west side of the enclosure may be limited due to the close proximity of the screen fence to the existing sidewalk.
- Provide PaveDrain concrete block access drives on each side of the two (2) storm water pump stations.
- Provide mid-block crosswalks.
- Provide resting areas (benches, trash cans, etc.)

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

I. SURVEYING SERVICES

1.1 Design Survey (CTA Task No. 11290)

Prepare a topographic survey for design purposes within the city owned right of way along N.E. 14th Avenue between Hallandale Beach Boulevard and Atlantic Shores Boulevard (approximately 3,400 linear feet of roadway which includes 50' on two (2) side streets). 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.
- 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.
- Elevations will be taken on an approximate at fifty (50) foot cross-sections, along all roadways from back of walk to back of walk.
- 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 \$17,135.00

II. GEOTECHNICAL ENGINEERING (to be provided by Tierra South Florida, Inc.)

2.1 Geotechnical Testing Services (CTA Task No. 31006)

Geotechnical services to include ten (10) pavement cores.

Lump Sum \$4,350.00

2.2 Test Holes (CTA Task No. 33160 & 33030)

Test holes exploration to determine location of existing underground utilities at potential utility crossings. This includes a maximum (15) test-hole locations and horizontal and vertical location of test hole.

Lump Sum \$4,850.00

III. CIVIL ENGINEERING SERVICES

3.1 Final Paving and Grading Plans (CTA Task No. 31030)

Prepare final paving and grading including, 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 50%, 90% and 100% completion.

Lump Sum \$24,720.00

3.2 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 \$5,280.00

3.3 Meetings with Client, Architect and Agencies (CTA Task No. 31100)

Attendance at meetings with client and agencies, as required.

Lump Sum \$5,060.00

3.4 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 \$8,160.00

3.5 Construction Observation (CTA Task No. 31120)

- Attend Pre-Construction meeting.
- Review and process shop drawings.
- Perform general site inspections (on average two site visits per week) to determine in general, if the work is being performed in a manner that when completed will be in accordance with the contract documents.
- Review and process site work contractors periodic pay request (if required).
- Review record drawing based upon as-built information obtained from contractor's Registered Professional Surveyor. This does not include field survey services for as-builts.
- Final walkthrough with Contractor, Client, and regulatory agencies.

- Prepare final punch list and follow up.
- Prepare statement of substantial completion of construction and project close out documents.

(This is based upon a 4-month construction period).

Hourly, Not to Exceed \$15,800.00

3.6 Project Final Certifications (CTA Task No. 31125)

Item includes review, preparation, and submittal of final certification packages as required for drainage acceptance by respective governing agencies. This does not include preparation of as-built drawings or easements.

Lump Sum \$4,540.00

IV. LANDSCAPE ARCHITECTURAL SERVICES

4.1 Conceptual Site Plan, Hardscape and Site Amenity Design (CTA Task No. 21025)

Prepare an illustrative package complete with image boards, material samples, and additional drawings to give the Client an understanding of the site layout, hardscape and site amenity elements being proposed. Task includes major elements including streetscape design, bulb outs, parallel parking and pedestrian plaza nodes.

Lump Sum \$6,500.00

4.2 Site Plan Preparation (CTA Task No. 21015)

Prepare the site plan based on the client-approved conceptual site plan produced by Craven Thompson. Task includes the preparation of an overall Plan as well as 1:20 or 1:30 site plans including the construction details for the hardscape elements and site amenities. This will include a comprehensive set of plans that will provide all details and specifications necessary for construction of the exterior site furnishings and hardscape features proposed in these areas.

Lump Sum \$7,500.00

4.3 Conceptual Landscape Plan (CTA Task No. 21025)

Prepare conceptual landscape plan for Client review and approval.

Lump Sum \$3,500.00

4.4 Final Landscape Plan (CTA Task No. 21030)

Following approval of the conceptual landscape design, CTA will prepare a set of construction documents for the landscape portion of the project. 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 \$5,000.00

- 4.5 Irrigation Plan (CTA Task No. 21035)
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
- 4.6 Irrigation Plan and Coordination of Existing Irrigation (CTA Task No. 21035)
Irrigation Design and Coordination with private residences for irrigation systems in the right of way. Prepare 100% irrigation plans including details and specifications suitable for bidding and construction. On site coordination with individual property owners to cap and relocate existing irrigation to ensure private systems are functioning properly.
Hourly, Not to Exceed \$9,000.00
- 4.7 Tree Removal / Relocation Plan (CTA Task No. 21040)
Prepare tree removal/relocation plan for the existing trees that should be removed due to utility line conflicts. Task includes one (1) site visit to verify the tree species and to perform an individual tree analysis as required by the City. Current CAD tree survey is included within the previous survey task. Plans are to include details and specifications suitable for bidding and construction.
Lump Sum \$2,220.00
- 4.8 Rendering (CTA Task No. 21050)(OPTIONAL)
Prepare illustrative renderings of the final Site and Landscape Plan. Task includes providing the Client with one (1) mounted 24" x 36" plan as well as six (6) colored 11" x 17" copies of each rendering.
Lump Sum \$2,500.00
- 4.9 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 \$5,000.00
- 4.10 Permitting (CTA Task No. 21045)
Assistance during the permitting portion of the project including providing required information for the tree removal permit and addressing permit related questions. .
Hourly, Not to Exceed \$2,500.00
- 4.11 Shop Drawing Review (CTA Task No. 21060)
Review shop drawing for the irrigation, landscape, and hardscape portions of the project.
Lump Sum \$2,000.00

- 4.12 Construction Observation for Hardscape, Landscape and Irrigation (CTA Task No. 21065)
Perform construction observation for the site, hardscape, landscape and irrigation portions of the project. This will include responding to Contractor's RFI's and prepare necessary paperwork to document site visits. Task includes seven (7) progress site visits/ inspections, one (1) final inspection once the project is complete and one (1) punch list. Task also includes the following irrigation site visits/inspections: (1) pre-con meeting, two (2) progress visits/reports, one (1) final and one (1) punch list.

Lump Sum \$7,500.00

V. MISCELLANEOUS

- 5.1 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 \$500.00

SUMMARY OF FEES

I.	SURVEYING SERVICES	\$17,135.00
II.	GEOTECHNICAL ENGINEERING SERVICES	\$9,200.00
III.	CIVIL ENGINEERING SERVICES	\$63,560.00
IV.	LANDSCAPE ARCHITECTURAL SERVICES.....	\$59,720.00
V.	REIMBURSABLE EXPENSES	\$500.00
	GRAND TOTAL	\$150,115.00

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

INFORMATION PROVIDED BY OTHERS

1. Permit applications fees and recording fees.

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.



MATTHEW J. CIGALE, P.E.
Senior Supervising Engineer



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

MJC/fd

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