

TASK ORDER No. 2

Dated this 17th day of March 2015

CITY PROJECT No.11868

FORT LAUDERDALE PUBLIC WORKS DEPARTMENT

RIVER OAKS STORMWATER PRESERVE PARK ANALYSIS AND IMPROVEMENTS

CONCEPTUAL DESIGN & PERMITTING

PROFESSIONAL SERVICES

This Task Order is being entered into pursuant to the Continuing Contract for Civil Engineering Consultant Services Agreement (Contract 626-10881-3) between the City of Fort Lauderdale ("CITY") and CRAVEN, THOMPSON & ASSOCIATES, INC. ("CONSULTANT") in accordance with the terms of the agreement for professional services dated November 6, 2012 and renewed on October 21, 2014 between CITY and CONSULTANT ("MASTER AGREEMENT").

PROJECT BACKGROUND

The River Oaks neighborhood has historically experienced flooding issues due to low-lying topographic elevations of roadways and private properties. Several engineering studies have been conducted to arrive at potential solutions. The first stormwater study, "Stormwater Management Analysis Prepared For River Oaks and Edgewood Residential Communities", was finalized in 2001 by engineering consultants Keith and Schnars, P.A.

Further analysis from that study was performed by the engineering consulting firm CDM Smith Inc. (CDM) (fka Camp Dresser & McKee Inc.), and was presented to City during the Water Works 2011 program in January 5, 2007. The second study, entitled "River Oaks Landings Sub-basin Stormwater Management Analysis Report", identified several stormwater solutions, including the acquisition of land that could mitigate the historic flooding issues caused by the development and the low-lying topographic conditions of the River Oaks Neighborhood.

Consequently, CSA Central Inc. completed a conceptual stormwater design in June 28, 2013, which was submitted for permits to Broward County Environmental Protection and Growth Management Department (BCEPGMD), SWM Application Number L2013-109 and SWMD Application Number 130702-19 in August 15, 2013. This Task Order requires the CONSULTANT to further develop the conceptual design for the River Oaks Preserve Stormwater Park improvements and obtain the conceptual permits started in August 15, 2013 (see Exhibit 1 for project location map).

PROJECT DESCRIPTION

The **River Oaks Preserve** stormwater park project area is approximately 9.1 acres. Project location and limits of work for the Preserve Park and Parking Area under Interstate 95 are identified in **Exhibit 1**. The creation of the RiverOaks stormwater park Preserve supports the City's public places cylinder and visioning priorities of the City Commission and management by providing the following features:

- Passive recreation opportunities.
- Environmental benefits to the South Fork of the New River, an impaired water body, by providing stormwater treatment and wetland habitat restoration.
- Provides stormwater runoff relief to an older and low lying neighborhood.
- Environmental educational opportunities for students and visitors.

The main objectives of this task order are to obtain a Conceptual Design permit(s) from Broward County Environmental Protection and Growth Management Department (BCEPGMD) and other regulatory agencies issuing conceptual permits if applicable, this allows the CITY to apply for additional grants to proceed with development of final construction documents and construction of the Project.

Major task order deliverables are described within the Scope section, which include providing conceptual permits to the CITY from BCEPGMD and other regulatory agencies issuing conceptual permits, if applicable, estimated construction cost estimate, all design documents (plans, reports, calculations) in original electronic format and signed and sealed documents, including survey documentation and complying with the consultant's agreement.

SCOPE OF SERVICES AND DELIVERABLES

This task order will cover the engineering and planning services required to complete conceptual plans and conceptual permits for the River Oaks Stormwater Park and parking area under the I-95 overpass bridge.

The CONSULTANT is responsible for all work of their sub consultants/subcontractors to meet the deliverables included on this task order.

CONSULTANT shall provide all (engineering and/or architectural) services described on the tasks herein below:

River Oaks Stormwater Park Preserve

Task 1 - Update drainage calculations and plan, complete conceptual permitting.

(This will be performed primarily by subconsultants: CSA Central Inc. and The Chappell Group, Inc.)

This effort is to complete permitting requirements previously requested by the Broward County Environmental Protection and Growth Management Department (BCEPGMD) request for additional information (RAI) dated September 16, 2013.

Task 1.1: Revise Existing Drainage Map: Drainage boundaries and offsite areas.

Task 1.2: Revise existing conditions hydraulic/hydrologic model (ICPR). The ICPR existing model will be revised in response to permitting comments.

Task 1.3: Revise Proposed Drainage Map, if necessary.

Task 1.4: Revise proposed hydraulic/hydrologic model (ICPR) and calculations in response to permitting comments.

Task 1.5: Revise Drainage Report and cost estimates, including methodology, accordingly with permitting comments.

Task 1.6: Permit coordination, meetings, addressing comments, prepare meeting minutes and submit permits on behalf of the City. This task include the effort associated with two new permits required by BCEPGMD: SWM and ERL.

Task 1.7: Respond to RAIs, make corresponding changes in plans, reports and calculations in order to obtain conceptual permit(s).

Task 1.8: Quality control review of final documents to comply with the executed agreement between the CITY and Florida Department of Transportation (FDOT) on May 22, 2012.

Task 1.9 **OPTIONAL SUB TASK** (If requested by Permitting agency) Update survey to include tree surveys and easements (ingress/egress, roadway, maintenance/access easements, etc) as required by the executed agreement between the CITY and Florida Department of Transportation (FDOT) on May 22, 2012 and/or project stakeholders. CONSULTANT shall prepare and deliver a signed and sealed topographic survey with the required easements.

River Oaks Parking Area under I-95 expressway bridges

Task 2 – Develop Conceptual Site plan

This task includes landscape architectural services, planning services and irrigation design services to develop site plan for the proposed access road and parking area under the I-95 bridges.

Task 2.1: Prepare conceptual site plan.

Task 2.2: Prepare conceptual landscape plan.

Task 2.3: Prepare conceptual irrigation plan.

Task 2.4: Prepare Site Amenity plan.
Task 2.5: Prepare Rendering.
Task 2.6: Attend meetings with agencies and prepare meeting minutes.
Task 2.7: Prepare and conduct Public participation meetings (3 meetings).
Task 2.8: Prepare preliminary construction cost estimates.
Task 2.9: Make necessary additions or revisions to plans to comply with agreement documentation between CITY and FDOT.

Task 2.9.1 **OPTIONAL SUB TASK** (If requested by the City) CONSULTANT will update survey under the I-95 expressway for the proposed parking lot, CONSULTANT shall prepare and deliver a signed and sealed survey with the required easements and parking lease areas.

Task 3 – Prepare Conceptual Engineering Plan

This task includes the development of conceptual engineering plans for the proposed access road and parking area under the I-95 bridge.

Task 3.1: Review of all existing data, FDOT agreement and reports provided by the City.

Task 3.2: Prepare conceptual paving and drainage plans based on conceptual site plan, including conceptual drainage calculations and Report.

Task 3.3: Prepare preliminary construction cost estimates, including methodology.

Task 3.4: Attend meetings and prepare meeting minutes.

Task 3.5: Prepare conduct public participation meetings (3 meetings).

Task 4 – Conceptual Permitting

This task includes the preparation and processing of conceptual engineering permits for the access road and parking area under I-95. CONSULTANT shall obtain all conceptual permits from regulatory agencies, if applicable.

Task 4.1: Prepare surface water permit applications.

Task 4.2: Process surface water permit applications including attendance at meetings with agencies and prepare meeting minutes.

OPTIONAL TASK (At CITY'S request)

Task 5- Marine Facilities Design (This work will be performed by The Chappell Group)

This task includes conceptual design and permitting of the waterward side of the parking area under the I-95 bridge. This may include waterward docks.

Task 5.1: Benthic Survey and Report.

Task 5.2: Pre-application Meetings with agencies - 3 meetings.

Task 5.3: Prepare ERP Applications and conceptual plans for dock area.

Task 5.4: Process ERP Applications with agencies and obtain conceptual permits for dock area.

Task 6 –Reimbursables

Task 6.1: Printing costs, postage, as per Consulting Services Agreement.

Deliverables

CONSULTANT shall provide the following to CITY:

1. Conceptual permit applications, permitted plans and meeting minutes of the River Oaks Stormwater Park and River Oaks Parking area. Conceptual permits will be obtained from appropriate regulatory agencies. Optional Tasks will be included if authorized by CITY.
2. Estimated construction cost estimates and methodology for the River Oaks Preserve and parking lot under I-95, including all design and construction components of the conceptual design. Optional Tasks will be included if authorized by CITY.
3. All design documents (plans, reports, calculations) in original electronic format.
4. Signed and sealed documents (two set of plans and two sets of reports).

PROJECT ASSUMPTIONS

Specific assumptions for the project:

- Data to be used (USGS, County, SFWMD, FDEP, etc.) previously supplied by City.
- CONSULTANT shall review the agreement between the CITY and FDOT and shall make revisions and/or additions to plans, reports and permits applications to comply with the agreement requirements.
- ICPR software will be used for hydraulic modeling.
- CONSULTANT shall coordinate with City, property owners and others- as applicable- to obtain access to project sites and to send deliverables of this task order to CITY.
- CONSULTANT shall use survey equipment and data collection systems capable to deliver complete surveys and task order deliverables as stated by the Optional Sub-Task 2.9.1 of this task order, if authorized by CITY. Vertical Datum will be NGVD 29 or NAVD 88 depending on the permitting agency's requirements.

CITY'S RESPONSIBILITIES

Include any data or assistance to be provided by the City:

- The City's project manager, or a designated representative, will coordinate the project for the CITY.
- Meeting Attendance.
- Survey data, record drawings, etc. in ACAD format to prepare conceptual plans.
- Timely review of submittals.
- Permit Fees.
- Geotechnical services, if required.
- Access to project site as required.

ADDITIONAL SERVICES

If authorized in writing by the City as an amendment to this Task Order, the Consultant shall furnish, or obtain from others, Additional Services of the types listed in Article 3 of the Master Agreement. The City, as indicated in the Master Agreement, will pay for these services.

PERFORMANCE SCHEDULE

The CONSULTANT shall perform the services identified in Task 1 through 4 inclusive within 230 working days of written Notice to Proceed. Task 1's duration is 93 work days, Task 2 and Task 3 durations are 89 work days each and Task 4 and Task 5 durations are 120 work days each. **Exhibit 2** depicts the durations and relationships of each task for the Project. If Optional Tasks are authorized, schedule for completion of tasks will be negotiated at such time.

METHOD OF COMPENSATION

The services performed shall be accomplished using the Not to Exceed method of compensation. Reimbursable expenses associated with these services are not included in the fees and will be itemized separately, subject to an established Not to Exceed limit. A fee schedule and cost breakdown for reimbursable expenditures is included on **Exhibit 3**.

CITY may process CONSULTANT invoices by percentage of task order completed, accepted and delivered as described in previous task order sections.

Sub consultant fee schedule is included on **Exhibit 3**, and Exhibits 3-A1, 3-A2 & 3-B.

Billing shall be per the final negotiated not to exceed price. CITY will have to go back to the Commission for approval of the overall contract once the not to exceed price is detailed / documented and finalized to be incorporated in the contract. A detailed breakdown of price is included in Exhibit 3 of this task order.

CONSULTANT shall keep detail timesheets of all hours spent. A fee schedule and cost breakdown for reimbursable expenditures is included on Exhibit 3. Timesheets and back up billing documentation shall be submitted with each invoice.

TERMS OF COMPENSATION

Services shall be provided for the following Not to Exceed amounts:

Task No	Task Title	Labor Fees		Total
		Consultant	Sub consultant	
1.1	Revise Existing Drainage Map	\$	\$2,740	\$2,740
1.2	Revise existing conditions model	\$	\$4,400	\$4,400
1.3	Revise Proposed drainage map	\$	\$3,440	\$3,440
1.4	Revise Proposed conditions model	\$	\$5,140	\$5,140
1.5	Revise drainage report	\$	\$3,170	\$3,170
1.6	Permit coordination	\$	\$3,536	\$3,536
1.7	RAI Responses	\$	\$51,510	\$51,510
1.8	Quality Control	\$6,200	\$	\$6,200
2.1	Prepare conceptual site plan	\$5,680	\$	\$5,680
2.2	Prepare conceptual landscape plan	\$3,920	\$	\$3,920
2.3	Prepare conceptual irrigation plan	\$3,780	\$	\$3,780
2.4	Prepare site amenity plan	\$2,660	\$	\$2,660
2.5	Prepare rendering	\$2,240	\$	\$2,240
2.6	Attend meetings	\$4,340	\$	\$4,340
2.7	Public meetings	\$5,540	\$	\$5,540
2.8	Preliminary construction cost estimates	\$1,540	\$	\$1,540
2.9	Plan Revisions per Agreement	\$7,300	\$	\$7,300
3.1	Review existing data	\$4,900	\$	\$4,900
3.2	Conceptual paving and drainage plan	\$15,360	\$	\$15,360
3.3	Preliminary construction cost estimates	\$4,340	\$	\$4,340
3.4	Attend meetings	\$8,560	\$	\$8,560
3.5	Public meetings	\$3,680	\$	\$3,680
4.1	Prepare permit applications	\$5,510	\$	\$5,510
4.2	Process permit applications	\$9,620	\$	\$9,620
All Labor Tasks				\$169,106
Task No	Description	Reimbursables		Total
		Consultant	Sub consultant	
6.1	Printing, postage	\$1,500	\$1,000	\$2,500
All reimbursables				\$2,500
All Labor & Reimbursables				\$171,606
Task No	Description	Optional Tasks – Other Cost		Total
		Consultant	Sub consultant	
1.9	Update Survey for Preserve Park	\$26,430	\$0	\$26,430
2.9.1	Update Survey under I-95	\$17,770	\$0	\$17,770
5.1	Benthic survey	\$	\$3,735	\$3,735
5.2	Pre-application meetings	\$	\$2,016	\$2,016
5.3	Prepare ERP application	\$	\$2,859	\$2,859
5.4	Process ERP application	\$	\$5,617	\$5,617
All Optional Tasks – Other Costs				\$58,427
TOTAL				\$230,033

The total number of hours for the project is 1,395 hours, 806 hours for CONSULTANT and 589 hours for Sub consultants, not accounting for Optional Tasks 1.9, 2.9.1 and 5.1 through 5.4

CITY CONTACTS

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to AcctsPayable@FortLauderdale.gov after getting approval from the Project Manager. All other correspondence and submittals should be directed to the attention of Elkin Diaz, PE at the address shown below.

Elkin Diaz, P.E.
Project Manager

Pedram Zohrevand, P.E.
Assistant City Engineer

Michael Donaldson, PSL
City Surveyor

City of Fort Lauderdale
City Hall, 4th Floor – Engineering
100 North Andrews Avenue
Fort Lauderdale, FL 33301

CONSULTANT CONTACTS

CONSULTANT Name Craven Thompson & Associates
CONSULTANT Address 3563 NW 53rd Street Fort Lauderdale, FL 33309
CONSULTANT Project Manager Name: Patrick J. Gibney, P.E.
CONSULTANT Project Manager Email: pgibney@craventhompson.com
CONSULTANT Project Manager Phone: 954-739-6400
CONSULTANT Project Manager Fax: 954-739-6409

SUBCONSULTANT CONTACTS

CONSULTANT Name The Chappell Group, Inc.
CONSULTANT Address 714 East McNab Road Pompano Beach, FL 33060
CONSULTANT Project Manager Name: Tyler Chappell
CONSULTANT Project Manager Email: tyler@thechappellgroup.com
CONSULTANT Project Manager Phone: 954-782-1908
CONSULTANT Project Manager Fax: 954-782-1108

CONSULTANT Name The CSA Group, Inc.
CONSULTANT Address 6100 Blue Lagoon Drive Suite 300, Miami, FL 33126
CONSULTANT Project Manager Name: Andres Garganta
CONSULTANT Project Manager Email: agarganta@csagroup.com
CONSULTANT Project Manager Phone: 305-461-5484
CONSULTANT Project Manager Fax: 305-461-5494

Department Signatures

Craven Thompson, Inc.- Civil Engineering Agreement No. 626-10881-3
Task Order No. 2
Project 11868 – River Oaks Stormwater Preserve Park

Approved by:

Elkin Diaz, PE
Project Manager

Date

Approved by:

Pedram Zohverand, P.E.
Assistant City Engineer

Date:

Approved by:

Hardeep Anand, P.E.
Deputy Public Works Director - Engineering

Date

CITY

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first above written.

CITY OF FORT LAUDERDALE, a municipal corporation of the State of Florida:

By _____
LEE R. FELDMAN, City Manager

(CORPORATE SEAL)

ATTEST:

JONDA K. JOSEPH, City Clerk

Approved as to form:

RHONDA M. HASAN
Assistant City Attorney

CONSULTANT

WITNESSES:

Signature

Print Name

Print Name

(CORPORATE SEAL)

By: _____

Name: _____

Title: _____

(Must be authorized to sign for the Entity.
Prefer President/Vice President.)

ATTEST:

By: _____

Name: _____

Title: _____

STATE OF FLORIDA:
COUNTY OF _____:

_____(Person authorized to sign for the Entity) and _____ as
_____(Authorized person's title) and Vice President respectively, of
_____(Consultant) acknowledged the foregoing instrument before me this
_____ day of _____, 2012, on behalf of the corporation. They are
personally known to me and did not take an oath.

(SEAL)

Notary Public, State of Florida
(Signature of Notary taking Acknowledgement)

Name of Notary Typed, Printed or Stamped

My Commission Expires

Commission No.

(Minimum of three original documents executed by the Consultant and delivered to the
City Attorney's Office by deadline)

EXHIBITS

Exhibit 1 Location Map

Exhibit 2 Project Schedule

Exhibit 3 Work Break Down Fee Schedule

Exhibits 3-A1, 3-A2 & 3-B – Sub-Consultant Fee Schedules

EXHIBIT 3
ESTIMATE OF WORK EFFORT AND COST

Name of Project: **River Oaks Storm Water Park**

City of Fort Lauderdale Project No.: **11868**

Task	Principal \$200	Prin. Engineer \$180	Sr. S. Engineer \$160	Principal Surveyor LA/Planner \$140	Sr. Engineer /LA \$120	LA/Planner \$105	Prof. Surveyor \$105	Engineer/Surveyor Planner/L. Designer \$105	Survey Crew \$105	CADD \$80	Clerical \$65	Total	Subtotal	Total Hours
1.1 Revise Existing Drainage Map												\$2,740		19
1.2 Revise existing conditions model (ICPR)												\$4,400		30
1.3 Revise Proposed Drainage Map												\$3,440		24
1.4 Revise proposed (ICPR)												\$5,140		35
1.5 Revise Drainage Report												\$3,170		22
1.6 Permit coordination, meetings												\$3,536		7
1.7 Response to RALs and Plan Changes												\$2,020		14
												\$49,490		438
1.8 Quality Control		2	14		16			16				\$6,200	\$80,136	48
2.1 Conceptual Site Plan		2		8		40						\$5,680		50
2.2 Conceptual Landscape Plan				4		32						\$3,920		36
2.3 Conceptual Irrigation Plan				6		28						\$3,780		34
2.4 Site Amenity Plan				4		20						\$2,660		24
2.5 Rendering				4		16						\$2,240		20
2.6 Meetings				16		20						\$4,340		36
2.7 Public Participation Meetings		2		16		28						\$5,540		46
2.8 Preliminary Cost Estimates				2		12						\$1,540		14
2.9 Plan Revisions		2	4	8	8	12		16		16		\$7,300	\$37,000	66
3.1 Review existing data		4	8		8			16			4	\$4,900		40
3.2 Conceptual paving and drainage plan		4	16		32			48		40		\$15,360		140
3.3 Cost Estimates		2	8		8			8		8	4	\$4,340		38
3.4 Meetings		12	16		32							\$8,560		60
3.5 Public participation meetings		8	8		8							\$3,680	\$36,840	24
4.1 Permit applications		2	8		8			24			6	\$5,510		48
4.2 Process permit applications		2	12		24			40			4	\$9,620	\$15,130	82
SUB - TOTAL	0	42	94	68	144	208	0	168	0	64	18	\$169,106		1395
6.1 Reimbursables												\$2,500		
SUB-TOTAL Incl. Reimbursables												\$171,606		1395
OPTIONAL TASKS														
1.9 Update Survey in Preserve		2		10			64		110	80		\$26,430		266
2.9.1 Survey Update I-95				8			24		98	48		\$17,770		178
5.1 Benthic Survey and Report												\$3,735		39
5.2 Preapplication Meetings w/ agencies (3)												\$2,016		12
5.3 Prepare ERP Applications												\$2,859		29
5.4 Process ERP Applications												\$5,617	\$14,227	59
SUB-TOTAL OPTIONAL TASKS												\$58,427		
TOTAL - LABOR,OPTIONAL& REIMBURSABLES												\$230,033		1712

ESTIMATE OF WORK EFFORT AND COST

CSA Group, Inc.
 6100 Blue Lagoon Drive Suite 300
 Miami, FL 33126
 305-461-5484 FAX 305-461-5494

Name of Project: River Oaks Preserve
County: Broward

Staff Classification	Total Staff Hours	Senior Transp. Eng.	Chief Engineer/ QC	Senior Engineer	Project Engineer	Designer	Project Environmental Scientist	Senior Field Technician	Senior Eng. Technician	Eng. Technician	Secretary/ Clerical	Staff Hour By Activity	Salary Cost By Activity
		\$180.00	\$170.00	\$160.00	\$140.00	\$115.00	\$115.00	\$100.00	\$85.00	\$68.00	\$50.00		
PERMITTING PLANS AND CALCULATION MODIFICATIONS													
Task 1.1 Revise Existing Drainage Map: Drainage boundaries and offsites areas.	19			4	15							19	\$2,740
Task 1.2 Revise existing conditions hydraulic/hydrologic model (ICPR).	30			10	20							30	\$4,400
Task 1.3 Revise Proposed Drainage Map	24			4	20							24	\$3,440
Task 1.4 Revise proposed hydraulic/hydrologic model (ICPR) and calculations.	35	1		10	24							35	\$5,140
Task 1.5 Revise Drainage Report	22	1	4	10	4						3	22	\$3,170
Task 1.6 Permit coordination, meetings, addressing comments and submit permits	29			17						12		29	\$3,536
Task 1.7 Respond to RAI's on behalf of the City	14			12							2	14	\$2,020
Total Staff Hours	173	2	4	67	83	0	0	0	0	12	5	173	
Total Staff Cost		\$360.00	\$680.00	\$10,720.00	\$11,620.00	\$0.00	\$0.00	\$0.00	\$0.00	\$816.00	\$250.00		\$24,446.00

Page 16 of 16