

DOCUMENT ROUTING FORM

(3) ✓ 3/12/13 (L)

NAME OF DOCUMENT: **Miller, Legg & Associates, Inc. Task Order 2 for FXE Parcels B, C and D Earthwork Analysis and Bid Specifications - \$46,825.**

Approved Comm. Mtg. on **MARCH 5, 2013** CAM #13-0359 ITEM: **M-9**

Routing Origin: ☒ CAO

Also attached: ☒ copy of CAM ☒ copy of document ☐ ACM Form ☐ 3 originals

By: LB forwarded to: **MARYANN JOHNSTON, PUBLIC WORKS ENGINEERING**
Initials

1.) Approved as to Content:

Hardeep Arand
Department Director

Capital Improvements defined as having a life of at least 10 years and a cost of at least \$50,000 and shall mean improvements to real property (land, buildings, fixtures) that add value and/or extend useful life, inc. major repairs such as roof replacement, etc. Term "Real Property" include: land, real estate, realty, real.

Please Check the proper box: CIP FUNDED ☐ YES ☒ NO
Capital Improvement Projects

2.) Approved as to Funds Available: by

Douglas
Finance Director

Date: 3.8.13

Amount Required by Contract/Agreement \$ 46,825.00

Funding Source: TAM070101

Dept./Div. PBS/ENG

Index/Sub-object 3199

Project # N/A

3.) City Attorney's Office: Approved as to Form:# 3 Originals of each to City Mgr. By: **CARRIE SARVER**

CS
Carrie Sarver

4.) Approved as to content: Assistant City Manager:

13 MAR 8 PM 12:21

By:

Stanley Hawthorne, Assistant City Manager

By:

Susanne Torriente, Assistant City Manager

5.) City Manager: Please sign as indicated and forward 3 originals to Clerk.

6.) To City Clerk for attestation and City seal.

INSTRUCTIONS TO CLERK'S OFFICE

7.) City Clerk: retains one original document and forwards 2 original documents to:

MARYANN JOHNSTON, PUBLIC WORKS ENGINEERING

☐ Copy of document to _____ ☒ Original Route form to Linda Blanco, CAO

☐ Attach _____ certified copies of Reso. # _____ ☐ Fill-in date

3/12

TASK ORDER No. 2

Dated this 5th day of March, 2013

FORT LAUDERDALE PUBLIC WORKS DEPARTMENT

**FORT LAUDERDALE EXECUTIVE AIRPORT
PARCELS B, C, D –
EARTHWORK ANALYSIS & BID SPECIFICATIONS**

PROFESSIONAL SERVICES

Describing a specific agreement between the City of Fort Lauderdale (CITY) and Miller, Legg & Associates, Inc. (CONSULTANT) in accordance with terms of the agreement for General Civil Engineering Consultant Services dated November 6, 2012 between CITY and CONSULTANT ("MASTER AGREEMENT").

PROJECT BACKGROUND

The Project is generally described as follows: Fort Lauderdale Executive Airport (FXE) is planning to prepare Parcels B, C and D, located north of N.W. 65th Street and between N.W. 12th Avenue and N.W. 15th Avenue, for potential development options (see Exhibit 1). FXE is in the process of clearing the property of debris and nuisance vegetation and conducting necessary natural resource mitigation requirements in accordance with permits issued from Broward County Surface Water Management and South Florida Water Management District for the parcels. With the site now readily accessible, FXE needs to determine the site elevations and suitability of the soils for development and determine a course of action in continued preparation of the property for potential development by a third party (that has not been identified yet). In particular, Parcel C contains wetlands that were authorized to be filled by South Florida Water Management and Broward County. These wetlands have been cleared of vegetation, but the muck and unsuitable organic layer remains. The amount of muck to be removed and subsequent amount of on-site earth moving or importation of fill needs to be calculated to raise the site as well as to remove the wetland that has been permitted and mitigated for. In addition, a field survey of Parcel D has discovered an extensive fill pile that is approximately 30 foot high and 150 feet long of undetermined origin. This fill pile needs to be quantified as to the amount of material contained within the fill pile and the materials potential suitability for on-site use or other disposition.

SPECIFIC SCOPE OF SERVICES AND DELIVERABLES

The Scope of Services to be provided by CONSULTANT shall be as follows:

Task 1 Geotechnical Analysis – CONSULTANT shall have geotechnical analysis performed by Tierra South Florida, Inc., as follows: A total of fifteen (15) soil borings shall be taken to a depth of twenty-five feet (25) each. The location of the borings will be selected by the CONSULTANT. Muck probes shall be performed to sufficiently determine the limits and depth of muck.

Task 2 Earthwork Analysis – CONSULTANT shall analyze the survey and geotechnical data and provide cut/fill calculations for the properties. In particular, the amount of muck to be removed from Parcel C, the amount of fill required to fill the wetland on Parcel C and make it level, the amount of fill on Parcel D and its suitability for development, and potential use on Parcel B, C or D or off-site disposition. CONSULTANT shall prepare analysis and estimate of probable costs for the above options and shall attend up to two meetings with CITY to discuss options.

Task 3 **Specifications Assistance** – Based on CITY's decision on the disposition of the fill material, CONSULTANT shall prepare a summary of work, bid form and specifications conforming to CITY standards for the proposed earthwork handling for the sites CITY shall prepare front end documents and handle any bidding and procurement.

Deliverables:

Deliverables for this project shall consist of the following:

- Geotechnical Report – two copies, signed and sealed and in PDF Format.
- Earthwork Report – PDF Format.
- Bid form documents and specifications – Microsoft Word Format.

PROJECT ASSUMPTIONS

The applicable permits issued include: Broward County Surface Water Management No. SWM2003-071-2, South Florida Water Management District Permit No. 06-C1048-5-03, City of Fort Lauderdale Tree Removal Permit 12031714, and Broward County Tree Removal License TP10-1012.

This work effort excludes any contamination testing of the on-site soils.

CITY'S RESPONSIBILITIES

- CITY shall provide access to site.
- CITY shall provide survey files in electronic AutoCAD format.
- CITY shall provide front end documents and any bidding advertising or administration of bids.
- City shall provide topographic survey data for the parcels in NAVD 88 datum as follows:
 - Parcel B –Topographic elevations at 100' on center, any significant grade changes, and data 50' off of the property to capture grade changes and adjacent roadway and property elevations. CITY shall also gather representative shots 100' on center within the Natural Resource Area.
 - Parcel C –Topographic elevations at 100' on center, any significant grade changes, and data 50' off of the property to capture grade changes and adjacent roadway and property elevations. CITY shall gather topographic elevations at 50' on center in the northern portion of the property that is designated as wetland.
 - Parcel D –Topographic elevations at 100' on center, any significant grade changes, and data 50' off of the property to capture grade changes and adjacent roadway and property elevations. CITY shall gather representative shots 100' on center within the Natural Resource Area. CITY shall gather topographic elevations at spacing as necessary to characterize the large fill pile located on the eastern portion of the property.

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 8 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 Tasks 1 through 3 inclusive within four (4) months of written Notice to Proceed.

PROJECT FUNDING

Performance of this project is at the CITY's discretion and may be contingent upon the CITY receiving funding from the Airport's Capital Improvement Program, and work shall not begin until funding sources for this project are in place.

METHOD OF COMPENSATION

The services performed will 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. The total hourly rates payable by the CITY for each of CONSULTANT's employee categories, reimbursable expenses and sub-consultant fees are shown on Exhibit "A" attached hereto and made a part hereof.

TERMS OF COMPENSATION

Services will be provided for the following Not-to-Exceed amounts:

Task No	Task Title	Labor Fees		Total
		Consultant	Sub consultant	
1	Geotechnical Analysis	\$ 880.00	\$ 4,955.00	\$ 5,835.00
2A	Earthwork Analysis	\$ 13,090.00	\$	\$ 13,090.00
2B	Coordination w/City staff	\$ 3,720.00		\$ 3,720.00
3	Specifications Assistance	\$ 8,220.00	\$	\$ 8,220.00
All tasks				\$ 30,865.00
Task No	Description	Other Cost		Total
		Consultant	Sub consultant	
1	Geotechnical Analysis	\$	\$ 15,960.00	\$ 15,960.00
All other costs				\$ 15,960.00
TOTAL				\$ 46,825.00

The total number of hours for the project is (240) for CONSULTANT and (53) for Sub consultant.

CITY CONTACTS

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to AcctsPayable@FortLauderdale.gov. All other correspondence and submittals should be directed to the attention of Fernando Blanco, Airport Engineer, at the address shown below. **Please be sure that all correspondence refers to the City project number and title as stated above.**

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

CONSULTANT CONTACTS

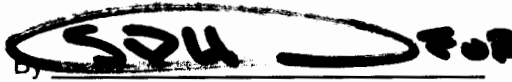
Miller Legg & Associates, Inc.
5747 North Andrews Way
Fort Lauderdale, FL 33309
Dylan Larson, PWS, CEP
Email: dlarson@millerlegg.com
Phone: 954-436-7000
Fax: 954-436-8664

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CLOSURE

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:


CARRIE L. SARVER
Assistant City Attorney

WITNESESS:

Patricia A. Legge

PATRICIA A LEGUE
Print Name

Maria Hannwacker

MARIA HANNWACKER
Print Name

MILLER, LEGG & ASSOCIATES, INC.,
A Florida Corporation

By: *[Signature]*

Name: Dylan Larson

Title: Principal

(CORPORATE SEAL)

ATTEST:

By: *[Signature]*

Name: MICHAEL D. KROLL

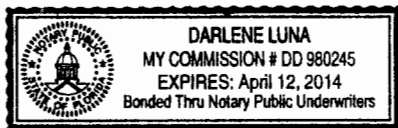
Title: Secretary

STATE OF FLORIDA:
COUNTY OF BROWARD:

The foregoing instrument was acknowledged before me this 7th day of February, 2013
by Dylan Larson and Michael D. Kroll as Principal and
Secretary respectively, of Miller, Legg & Associates, Inc, on behalf of the corporation.
They are personally known to me and did not take an oath.

(SEAL)

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



Name of Notary Typed, Printed or Stamped

My Commission Expires

Commission No.

[illegible]

Project Location

EXHIBIT A
FEE SCHEDULE AND OTHER COSTS

A. Fee Schedule

CONSULTANT

Fee Schedule												Total Hours	Labor Cost (\$)
Labor Category	Principal		Sr. Eng.		Civil Eng.		Technician		Admin.				
Percent Utilization	11%		17%		53%		15%		5%				
Labor Rate	\$180.00 /hr		\$130.00 /hr		\$110.00 /hr		\$70.00 /hr		\$55.00 /hr				
Task No.	Task Title	Hours	Subtotal (\$)	Hours	Subtotal (\$)	Hours	Subtotal (\$)	Hours	Subtotal (\$)	Hours	Subtotal (\$)		
1	Geotechnical Coord.		\$ -	1	\$ 130.00	3	\$ 330.00	6	\$ 420.00		\$ -	10	\$ 880.00
2a	Earthwork Analysis	4	\$ 720.00	16	\$ 2,080.00	60	\$ 6,600.00	48	\$ 3,360.00	6	\$ 330.00	134	\$ 13,090.00
2b	Coordination w/City staff	8	\$ 1,440.00	4	\$ 520.00	16	\$ 1,760.00		\$ -		\$ -	28	\$ 3,720.00
3	Specifications Assistance	4	\$ 720.00	12	\$ 1,560.00	46	\$ 5,060.00		\$ -	16	\$ 880.00	78	\$ 8,220.00
Totals		16	\$ 2,880.00	32	\$ 4,290.00	122	\$ 13,750.00	48	\$ 3,780.00	22	\$ 1,210.00	240	\$ 25,910.00

SUB CONSULTANT

Fee Schedule												Total Hours	Labor Cost (\$)
Labor Category	Sr Geotech		Proj Engr		Draftsperson		Sr. Engr. Tech		Admin				
Percent Utilization	15%		56%		8%		16%		6%				
Labor Rate	\$145.00 /hr		\$115.00 /hr		\$65.00 /hr		\$65.00 /hr		\$50.00 /hr				
Task No	Task Title	Hours	Subtotal (\$)	Hours	Subtotal (\$)	Hours	Subtotal (\$)	Hours	Subtotal (\$)	Hours	Subtotal (\$)		
1	Geotechnical analysis	5	\$ 725.00	24	\$ 2,760.00	6	\$ 390.00	12	\$ 780.00	6	\$ 300.00	53	\$ 4,955.00
Totals		5	\$ 725.00	24	\$ 2,760.00	6	\$ 390.00	12	\$ 780.00	6	\$ 300.00	53	\$ 4,955.00

B. Other Costs (in accordance with Master Agreement)

Task No	Task Description	Reimbursable Description	Cost (\$)
2	Geotechnical testing	Geotechnical testing	\$ 15,960
Other Costs Subtotal			\$ 15,960

TIERRA SOUTH FLORIDA, INC.
ATTACHMENT - 1
FEE SCHEDULE FOR GEOTECHNICAL SERVICES

TIERRA SOUTH FLORIDA, INC.

	Unit	# of Units	Unit Price		Total
I. FIELD INVESTIGATION					
Mobilization of Men and Equipment	Trip	1	\$	350.00	\$ 350.00
Truck-Mounted Equipment	Trip	1	\$	700.00	\$ 700.00
Buggy	Trip	1	\$	150.00	\$ 150.00
Support Vehicle	Trip	1	\$	150.00	\$ 150.00
Standard Penetration Test Borings (By Truck-Mounted Equipment) 0 - 50 ft depth	L.F.	510	\$	12.00	\$ 6,120.00
Grout-Seal Boreholes (By Truck-Mounted Equipment) 0 - 50 ft depth	L.F.	510	\$	5.00	\$ 2,550.00
Casing Allowance (By Truck-Mounted Equipment) 0 - 50 ft depth	L.F.	510	\$	6.00	\$ 3,060.00
Muck Probes	Day	2	\$	1200.00	\$ 2,400.00
				Sub Total	\$15,330.00
II. LABORATORY TESTING					
Natural Moisture Content Tests	Test	6	\$	10.00	\$ 60.00
Grain-Size Analysis - Full Gradation	Test	6	\$	60.00	\$ 360.00
Organic Content Tests	Test	6	\$	35.00	\$ 210.00
				Sub Total	\$630.00
III. FIELD ENGINEERING AND TECHNICAL SERVICES					
Site Recon./Utility Coordination					
Sr. Engineering Technician	Hour	12	\$	65.00	\$ 780.00
IIIA. ENGINEERING AND TECHNICAL SERVICES					
Senior Geotechnical Engineer	Hour	5	\$	145.00	\$ 725.00
Project Engineer	Hour	24	\$	115.00	\$ 2,760.00
Draftperson	Hour	6	\$	65.00	\$ 390.00
Administrative Assistant	Hour	6	\$	50.00	\$ 300.00
				Sub Total	\$4,175.00
TOTAL FEE FOR GEOTECHNICAL SERVICES					\$ 20,915.00