



14-0295
5-20-14
PUR-1

① 6/11/15 ②

ROUTING FORM FOR TASK ORDERS – CITY MANAGER’S APPROVAL

Project/Contract Number: P-11880: Pump Station A-12 Rehabilitation CMO Log #:
 P-11881: Pump Station D-45 Replacement
 P-11882: Pump Station B-22 Replacement
 P-11889: Demo & Abandon PS: A44, A97, C-31

Document Title: Task Order # 6 Attached: 1 original

Department: Public Works - Engineering

Corresponding CAM #: N/A

Commission Date: N/A

Purpose:
 Collect and analyze samples of suspect asbestos-containing materials, and perform confirmational analysis of materials. Perform lead-containing paint survey. Prepare report.

FUNDING INFORMATION

CIP Funded Project:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	A-12 \$2,028 P11880.454-6546
Amount Required by Task Order:	\$9,277.50	A-97 \$1,808 P11889.454-6546
Index/Sub Object Code:		B-22 \$2,045.50 P11882.454-6546
Engineering Finance Approval Sign:	<i>[Signature]</i> 5/12/15	C-31 \$1,588 P11889.454-6546
		D-45 \$1,808 P11881.454-6546
		9,277.50

APPROVAL ROUTING –PUBLIC WORKS

	Approved:	Disapproved:	Signature/Initials
Project Manager, Stan Edwards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>[Signature]</i> 5/23/15
Senior Project Manager, Jorge Holguin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>[Signature]</i> 5/28/15
Pedram Zohrevand, Ph.D., P.E., Assistant City Engineer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>[Signature]</i> 5/15/15
Hardeep Anand, P.E., Public Works Director	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>[Signature]</i> 5/19/15

APPROVAL ROUTING –FINANCE DEPARTMENT

	Recommend Approval:	Disapproved:	Signature/Initials
Kirk W. Buffington, C.P.M., Finance Director	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>[Signature]</i>

APPROVAL ROUTING – CITY ATTORNEY’S OFFICE

	Approved as to form:	Disapproved:	Signature/Initials
City Attorney	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>[Signature]</i>

APPROVAL ROUTING – CITY MANAGER’S OFFICE

	Approved:	Disapproved:	Signature/Initials
Lee R. Feldman, ICMA-CM, City Manager	<input type="checkbox"/>	<input type="checkbox"/>	

CITY CLERK’S OFFICE Upon approval by the City Manager, please route this form along with Task Order to PW- Engineering, Kian Movafaghi (Ext. 7818).

6/11/15

TASK ORDER No. 6

Dated this 10th day of June, 2015

CITY PROJECT No. 11880, 11881, 11882, 11893

**FORT LAUDERDALE PUBLIC WORKS DEPARTMENT
ASBESTOS AND LEAD BASED PAINT SURVEYS
PUMP STATIONS NUMBERS A12, A-97, C-31, B-22, D-45**

Describing a specific agreement between the City of Fort Lauderdale (CITY) and E Sciences, Incorporated (CONSULTANT) in accordance with the terms of the agreement for general environmental engineering consultant services dated June 21, 2011 between CITY and CONSULTANT ("MASTER AGREEMENT") as amended and extended to June 20, 2013 by City Commission approval at its meeting on June 5, 2012 and extended again to June 20, 2014 on February 19, 2013, and extended a final time to June 20, 2015 on May 20, 2014.

PROJECT BACKGROUND

The project sites include five pumps stations that the City intends to abandon or renovate as follows:

- Pump Station A-12 Rehabilitation (City Project #11880)-Pump station A-12 is located underground at 900 Avocado Isle, and is accessible via a fixed ladder through a ± 5.2 -foot wide entry port that is ± 3.5 feet in height. The station is a two-level poured concrete structure constructed circa the 1960s. Each level is ± 260 square feet. The ceiling height is ± 7 feet at the first level and ± 8.5 feet at the basement level. Piping is of cast iron construction. Renovations are reported to include removal of piping, pumps, valves, and electrical equipment, sandblasting/pressure washing of interior walls followed by installation of new equipment.
- Pump Station B-22 Replacement (City Project #11882). Pump station B-22 is located underground at 3701 N.E. 65th Court, and is accessible via a fixed ladder through a 3 \pm foot diameter entry hatch. The dry well portion of the station is included and the wet well section is excluded for the purposes of this survey. The station is an 8 \pm foot diameter single-level cylindrical steel structure (construction date not known). Ceiling height is 12 \pm feet. Piping is of cast iron construction. This station is scheduled for abandonment in place. The access port and interior piping, pumps, valves, etc. will be removed. The room will be backfilled with clean fill.
- Pump Station A-97 Demolition (City Project #11893)-Pump station A-97 is located underground at 150 S.W. 18th Avenue. The room is accessible via a fixed ladder through a ± 6 -foot long, ± 3 -foot diameter entry hatch. The station is an ± 11 foot diameter single-level cylindrical steel structure constructed circa the early 1960s. Ceiling height is ± 7.2 feet. Piping is of cast iron construction. This station is scheduled for abandonment in place. The access port and interior piping, pumps, valves, etc. will be removed. The room will be backfilled with sand.

- Pump Station C-31 Demolition (City Project #11893)-Pump station C-31 is located underground at 3100 Riverland Road (construction date not known). The station is a ± 4 -foot diameter, ± 10 -foot deep cylindrical duplex submersible station of poured concrete construction. The above-ground access port is ± 6 foot square by ± 4.5 feet in length. Piping is of cast iron construction and is accessible at street level. This station is scheduled for abandonment in place. The access hatch and piping will be removed. The concrete cylinder will be backfilled with sand.
- Pump Station D-45 Replacement (City Project #11881)-Pump station D-45 is located underground at 2 Harborage Drive. The room is accessible via a fixed ladder through a ± 6 -foot long, ± 3 -foot diameter entry hatch. The station is an ± 8 foot diameter single-level cylindrical steel structure constructed circa the late 1950s, early 1960s. Ceiling height is ± 8 feet. Piping is of cast iron construction. This station is scheduled for abandonment in place, with a new underground station constructed nearby. The access port and interior piping, pumps, valves, etc. will be removed. The room will be backfilled with sand.

In order to conduct renovation or abandon the subject pump station, the CITY has requested that the CONSULTANT provide lead-based paint and asbestos surveys at the project sites.

SPECIFIC SCOPE OF SERVICES

A lead-based paint and asbestos survey will be conducted for each facility. These services will be provided by SGF Environmental contracted by the SUBCONSULTANT. The following scope of services will be conducted:

- Review available building plans provided by the CITY. No plans are reported to be available at this time;
- Collect and analyze bulk samples (using polarized light microscopy (PLM) methodology) of accessible suspect asbestos containing materials associated with the referenced structures to confirm asbestos content, performed under the direction of a Florida licensed asbestos consultant. The surveys exclude inaccessible areas, which can include, but not be limited to: (a) pipe chases that may exist below or behind concrete/steel floors/walls; and (b) within other equipment (e.g., would require dismantling).
- Perform confirmation analysis of materials with asbestos content less than 10% using point count analysis. PLM methodology counts all fibers not just asbestos fibers. Point count methodology will count asbestos fibers, and provides confirmation of asbestos content when analytical results are below 10%.
- Perform a lead-containing paint survey of each structures' painted components. Representative samples of paint will be obtained for lead identification by atomic absorption spectroscopy (AAS) or inductively coupled plasma emission spectroscopy (ICP). These are the methods of analysis for paint chip samples recommended by the Environmental Protection Agency (EPA).
- Prepare a separate survey report for each pump station outlining the work performed.
- Up to 60 total samples for bulk asbestos, point count and paint chip samples are included in this scope.

Deliverables:

The CONSULTANT will prepare one survey report for each pump station:

- One copy will be delivered electronically and two hard copies of each report will be submitted to the CITY.
- The reports will identify the sample locations, material condition, friability, asbestos and lead content of the sampled materials, and estimated asbestos quantities to the extent accessible. The report will also include general recommendations for handling asbestos and lead based paint determined to be present in the surveyed areas and cite applicable Florida statutes and regulations. The report will also include a list of general permits required for abatement activities. The recommendations will provide general guidance as to the applicable federal, state and county regulations and indicate State certification requirements for asbestos abatement contractors.
- The report will provide recommendations for language to be included in construction plans alerting the Contractor of the presence of asbestos or lead based paint, advising them that appropriate measures for proper abatement will be required and referring them to the asbestos/lead based paint survey report(s) for additional information.

PROJECT ASSUMPTIONS

1. The CITY will provide CONSULTANT access as needed;
2. Abatement specifications are not included.
3. Work can be conducted between 8AM to 6PM Monday through Friday;
4. The CITY will provide access to each of the stations;
5. The CITY has arranged for immediate repairs to be performed following sample collection; or it has been determined that said repairs are not necessary. In any event, the CONSULTANT is not responsible for damage that may be caused during the conductance of this survey;
6. Lockout-Tagout of energized systems and equipment is not included in the quoted fee;
7. The cost for preparation of an asbestos/lead based paint abatement bid (order of magnitude estimate) prepared by a Florida licensed abatement contractor is not included, but can be provided upon request following completion of the survey for an additional fee.

ADDITIONAL SERVICES

If authorized in writing by the CITY as an amendment to this Task Order, the CONSULTANT shall furnish, or obtain Additional Services on the types listed in Article 8 of the Master Agreement. The CITY, as indicated in Article 7 of the Master Agreement, will pay for these services.

PERFORMANCE SCHEDULE

The CONSULTANT shall complete the services within four to six weeks following written receipt of authorization to proceed and being granted site access.

METHOD OF COMPENSATION

The services performed will be accomplished using the Not-to-Exceed method of compensation. Reimbursable expenses associated with these services 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 shall be provided for a Not-to-Exceed amount as follows.

Task No.	Description	Not To Exceed Fees			Total
		Labor	Reimbursable Expenses	Subconsultants	
1	Pump Station A-12	\$173.00	\$0	\$1,855.00	\$2,028.00
2	Pump Station A-97	\$173.00	\$0	\$1,635.00	\$1,808.00
3	Pump Station B-22	\$173.00	\$0	\$1,872.50	\$2,045.50
4	Pump Station C-31	\$173.00	\$0	\$1,588.00	\$1,588.00
5	Pump Station D-45	\$173.00	\$0	\$1,635.00	\$1,808.00
		Total Labor			\$865.00
		Total Reimbursables			\$0.00
		Total Subconsultants			\$8,412.50
		PROJECT TOTAL			\$9,277.50

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 **Stan Edwards, Project 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

E Sciences, Incorporated
224 SE 9th Street
Fort Lauderdale, Florida 33316
Nadia G. Locke, PE
Email: nlocke@esciencesinc.com
Phone: 954-484-8500
Facsimile: 954-484-5146

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

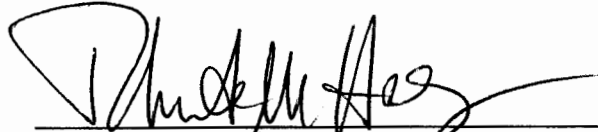
(CORPORATE SEAL)

ATTEST:



JONDA K. JOSEPH, City Clerk

Approved as to Legal Form:



RHONDA MONTOYA HASAN
Assistant City Attorney

CONSULTANT:

WITNESSES:

Leilani Farrell
Print Name: Leilani Farrell

David M. Malin
Print Name: David M. Malin

E SCIENCES, INC.,
A Florida Corporation

By: *Peter K. Parlow*
XXXXXXXX
Principal Peter K. Parlow

ATTEST:

James Bissett
Print Name: JAMES BISSETT
Secretary

(CORPORATE SEAL)

STATE OF Florida :
COUNTY OF Orange :

The foregoing instrument was acknowledged before me this 22nd day of April, 2015, by Peter Parlow principal for E Sciences, Inc., a Florida corporation authorized to transact business in the State of Florida.

(SEAL)

Laura M. Aldridge
Notary Public, State of Florida
(Signature of Notary Public)



LAURA M. ALDRIDGE
MY COMMISSION # FF 103467
EXPIRES: June 3, 2018
Bonded Thru Budget Notary Services

Laura M. Aldridge
Name of Notary Typed, Printed or Stamped

Personally Known X OR Produced Identification _____
Type of Identification Produced _____

EXHIBIT A



ENGINEERING
ENVIRONMENTAL
ECOLOGICAL

TABLE 1 - FEE ESTIMATE DETAIL

Asbestos and Lead-Paint Surveys
Pump Stations A-12, A-97, C-31, B-22 and D-45
Fort Lauderdale, Florida
City Project Numbers 11880, 11893, 11881
Proposal Number 2-0384-P63 Rev

				Total
Labor	Hourly Rate	Hours	Subtotal	
Principal/Chief Engineer/Geologist/Scientist	\$190	0	\$0	\$0
Chief Engineer/Director/Associate	\$171	0	\$0	\$0
Senior Registered Engineer/Geologist/Scientist/Architect - II	\$145	2	\$290	\$290
Project Engineer/Geologist/Scientist/Architect - II	\$105	0	\$0	\$0
Staff Engineer/Geologist/Scientist/Architect - II	\$85	0	\$0	\$0
CADD/GIS Technician	\$80	0	\$0	\$0
Senior GIS Analyst	\$95	0	\$0	\$0
Technician - II	\$70	0	\$0	\$0
Technician - I	\$60	0	\$0	\$0
Administrative Assistant	\$46	12.5	\$575	\$575
Labor Subtotal		14.5	\$865.00	\$865.00
Expenses	Rate	Unit	Subtotal	Total
Select File Copies (estimate)		0	\$0	\$0
		0	\$0	\$0
Expenses Subtotal			\$0	\$0
Subconsultants	Rate	Unit	Subtotal	Total
SGF Environmental Consultants	\$8,412.50	1	\$8,412.50	\$8,412.50
Subconsultants Subtotal			\$8,412.50	\$8,412.50
Total Fee Estimate				\$9,277.50



ENGINEERING
ENVIRONMENTAL
ECOLOGICAL

TABLE 2 - ESTIMATE BREAKDOWN PER PUMP STATION

Asbestos and Lead-Paint Surveys
Pump Stations A-12, A-97, C-31, B-22 and D-45
Fort Lauderdale, Florida
City Project Numbers 11880, 11893, 11881
Proposal Number 2-0384-P63 Rev

Labor	Hourly Rate	Pump Station A-12		Pump Station A-97		Pump Station B-22		Pump Station C-31		Pump Station D-45		Total
		Hours	Subtotal	Hours	Subtotal	Hours	Subtotal	Hours	Subtotal	Hours	Subtotal	
Principal/Chief Engineer/Geologist/Scientist	\$190	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
Chief Engineer/Director/Associate	\$171	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
Senior Registered Engineer/Geologist/Scientist/Architect - II	\$145	0.4	\$58.00	0.4	\$58.00	0.4	\$58.00	0.4	\$58.00	0.4	\$58.00	\$290.00
Project Engineer/Geologist/Scientist/Architect - II	\$105	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
Staff Engineer/Geologist/Scientist/Architect - II	\$85	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
CADD/GIS Technician	\$80	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
Senior GIS Analyst	\$95	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
Technician - II	\$70	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
Technician - I	\$60	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	\$0.00
Administrative Assistant	\$46	2.5	\$115.00	2.5	\$115.00	2.5	\$115.00	2.5	\$115.00	2.5	\$115.00	\$575.00
Labor Subtotal		2.9	\$173.00	2.9	\$173.00	2.9	\$173.00	2.9	\$173.00	2.9	\$173.00	\$865.00
Expenses	Rate	Unit	Subtotal	Unit	Subtotal	Unit	Subtotal	Unit	Subtotal	Unit	Subtotal	Total
Select File Copies (estimate)		0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$0
		0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$0
Expenses Subtotal			\$0		\$0		\$0		\$0		\$0	\$0
Subconsultants	Rate	Unit	Subtotal	Unit	Subtotal	Unit	Subtotal	Unit	Subtotal	Unit	Subtotal	Total
SGF Environmental Consultants		1	\$1,855.00	1	\$1,635.00	1	\$1,872.50	1	\$1,415.00	1	\$1,635.00	\$8,412.50
Subconsultants Subtotal			\$1,855.00		\$1,635.00		\$1,872.50		\$1,415.00		\$1,635.00	\$8,412.50
Total Fee Estimate			\$2,028.00		\$1,808.00		\$2,045.50		\$1,588.00		\$1,808.00	\$9,277.50



ENGINEERING
ENVIRONMENTAL
ECOLOGICAL

TABLE 3 - SUBCONSULTANT ESTIMATE BREAKDOWN PER PUMP STATION

SGF Environmental Consultants

Asbestos and Lead-Paint Surveys

Pump Stations A-12, A-97, C-31, B-22 and D-45

Fort Lauderdale, Florida

City Project Numbers 11880, 11893, 11881

Proposal Number 2-0384-P63 Rev

	Pump Station A12		Pump Station A97		Pump Station B22		Pump Station C31		Pump Station D45		
	Units	Total	Units	Total	Units	Total	Units	Total	Units	Total	
Florida Licensed Asbestos Consultant	\$ 135.00	7	\$ 945.00	6.5	\$ 877.50	7	\$ 945.00	5.5	\$ 742.50	6.5	\$ 877.50
Asbestos Field Sampling Rate	\$ 85.00	6	\$ 510.00	4.5	\$ 382.50	6.5	\$ 552.50	3.5	\$ 297.50	4.5	\$ 382.50
PLM	\$ 25.00	16	\$ 400.00	15	\$ 375.00	15	\$ 375.00	15	\$ 375.00	15	\$ 375.00
Total			\$ 1,855.00		\$ 1,635.00		\$ 1,872.50		\$ 1,415.00		\$ 1,635.00