

TASK ORDER NO. 22

Dated this _____ day of _____, 2013

CITY PROJECT NO. 11874

CITY OF FORT LAUDERDALE

GEORGE T. LOHMEYER REGIONAL WASTEWATER TREATMENT PLANT

RENEWAL AND REPLACEMENT REPORT UPDATE

REPORT

On May 3, 2011, the City Commission authorized a Continuing Services Agreement with CDM Smith Inc. (formerly known as Camp Dresser & McKee Inc.) (Consultant), for the General Wastewater Consulting Professional Architectural – Engineering Services (RFQ No. 606-10482) associated with the City’s wastewater and stormwater systems (“Master Agreement”) as amended and approved by City Commission on May 1, 2012. This Task Order is being performed under the terms and conditions of the Amended Master Agreement.

The Master Agreement with the Consultant includes renewal and replacement report update services for the George T. Lohmeyer Wastewater Treatment Plant.

Background

The City of Fort Lauderdale’s contract with the large users of the Central Regional Wastewater System includes the requirement for the City’s wastewater consulting engineer to prepare an annual schedule that projects facility renewal and replacement costs over a 20 year span. This analysis estimates the amount of funding to be set aside by the City for anticipated renewal and replacement expenditure for the Central Regional Wastewater Treatment Facilities.

Under the Broward County Wastewater Facility Plan, developed in March 1978, in accordance with PL 92-500, the City was designated as the lead agent in the Central Wastewater Region to provide wastewater collection and treatment services. The Central Region includes the cities of Fort Lauderdale, Oakland Park and Wilton Manors; the Port Everglades Authority; and portions of Tamarac and the Town of Davie. Participating municipalities and entities own and operate their own wastewater collection systems consisting of gravity sewers, lift stations, and forcemains. The regional facilities, including the George T. Lohmeyer Regional Wastewater Treatment Plant, Repump Stations A, B and E, and forcemains connecting the Repump Stations to the plant, are owned by the City and are designated to intercept wastewater at the point of connection and then transport, treat and dispose of all wastewater collected within the Central Region.

The Agreements with the original Large Users of the Central Regional Wastewater System were signed in 1982; however, the “regional system” was not in full operation until G.T. Lohmeyer Wastewater Treatment Plant expanded to 38 million gallons per day in fiscal year 1984-85. The assumption was made that the end of the first 20-year contract period was fiscal year 2001-02, based on the understanding that the City began serving the large users in fiscal year 1982-83 and that the original

Renewal and Replacement Fund Analysis (Hazen and Sawyer, 1983) assumed a 20-year period beginning in 1982.

Agreements between the City and the large users were amended in 2001. The current large users of the Central Regional Wastewater System are the cities of Oakland Park and Wilton Manors; portions of Tamarac and the Town of Davie; and Broward County's Port Everglades Authority. The amended agreements terminate on December 31, 2021. In accordance with Subsection C of Appendix A of the 2001 Large User Agreement Amendment, the replacement cost expenditures may include the following:

- Improvements with expected useful lives of greater or less than 20 years;
- Improvements which expand system capacity;
- Modifications or additions needed to accommodate new improvements which expand system capacity;
- Modifications or additions needed to meet new regulatory requirements; and
- Modifications or additions needed to implement operational changes provided the estimated costs of each planned improvement does not exceed \$2 million and it is determined to be in the best interest of the Regional System to fund these improvements from the Renewal and Replacement account.

The collected replacement costs will be deposited into the Replacement and Improvements Reserve Account, as the City has no current Renewal and Replacement Account, and replacement expenditures will be made directly from the account. This portion of the large user's rate will be calculated annually using the following formula:

$$C = \frac{E - R}{Y}$$

Where:

C = the amount of replacement costs to be collected within the year;

E = the expected replacement costs for the subsequent 20-year period as shown by the Consulting engineer's updated schedule;

R = the balance in the Replacement and Improvements Reserve Account; and

Y = 20 years or the number of years remaining in the expected life of the Regional Treatment Facilities, whichever is less.

In addition to this annual report, the City contracted Burton and Associates in 2011 to perform a cost of services analysis on the Central Regional Wastewater System, which affects large user rates.

Scope of Services

1.0 The Consultant services shall include developing the 2013 Renewal and Replacement Annual Report Update. Consultant services shall include providing the following activities:

- Interview the operation staff at the wastewater plant and re-pump stations;
- Conduct equipment inspections at the wastewater plant and re-pump stations;
- Create the draft annual report with updated section, figure, and exhibits from last year's report based on above interviews and above equipment inspections;
- Provide internal quality technical review of the draft annual report;
- Distribute draft annual report for City review and comments
- Finalize the annual report with the inclusion of the City comments from draft review; and
- Attend four (4) large user meetings and be prepared to answer questions from attendees.

This phase is estimated at 141 labor hours and \$20,045 labor cost.

Data or Assistance to be Provided by the City

- A. Provide access to the wastewater plant and re-pump stations;
- B. Make available operation staff for the interviews;
- C. Provide the estimated Replacement Fund Balance for fiscal year 2012-2013; and
- D. Review the draft renewal and replacement report update and provide comments.

Deliverables

- A. Draft Report in pdf format via email;
- B. Final Report in pdf format via safe FTP site; and
- C. Final Report printed out and comb-bound, five (5) sets.

Time of Completion

A draft report shall be submitted to the Water and Wastewater Treatment Manager no later than April 1, 2013. The final Renewal and Replacement Update shall be submitted to the City no later than April 15, 2013. The time of completion of this task order may be extended through the City's contract administrator.

CITY CONTACTS

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to AcctsPayble@FortLauderdale.gov.

All other correspondence and submittals should be directed to the attention of Jorge Holguin at the address shown below.

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

CONSULTANT CONTACTS

Timothy J. O’Neil, P.E., BCEE
6365 NW 6th Way # 200
Fort Lauderdale, FL 33309
954 776-1731

Payment and Compensation

Invoicing for the services shall be monthly based on services performed and cost incurred. A status report shall accompany each progress invoice.

A breakdown of the estimated labor for Consultant services and expenses are provided on the following page and summarized below.

Description	Amount
Estimated Labor Cost	\$ 20,045
Task Order No. 22 Total Not to Exceed	\$ 20,045

{REMAINDER OF PAGE INTENTIONALLY LEFT BLANK}

Consultant Services

<u>Labor Category (Hourly Rate)</u>	<u>Hours</u>
Officer (\$190)	0
Principal/Associate (\$170)	52
Senior Professional (\$150)	0
Professional II (\$125)	74
Professional 1 (\$100)	0
Senior Support Services (\$115)	0
Staff Support Services (\$75)	0
Senior Professional Field Services (\$110)	0
Professional Field Services (\$77)	0
Project Administration (\$65)	8
Senior Quality Control Officer (\$225)	0
Senior Quality Control Manager (\$205)	7
<hr/>	
Total Estimated Hours	141
*Total Estimated Labor Cost (Not to Exceed)	\$20,045

*Other Labor Categories and Hours may be applicable to the services.

{REMAINDER OF PAGE INTENTIONALLY LEFT BLANK}

CONSULTANT:

Witnesses:

CDM SMITH INC. (f/k/a Camp Dresser & McKee Inc.)

Signature

By: _____
Title: Associate

Printed Name

ATTEST:

Signature

By: _____
Title: Assistant Secretary

Printed Name

STATE OF FLORIDA:
COUNTY OF BROWARD:

BEFORE ME, an officer duly authorized by law to administer oaths and take acknowledgments, on the 10th day of December, 2012 personally appeared Jonathan Z. Goldman as Associate and Mario Marcaccio as Assistant Secretary of CDM SMITH INC. a Massachusetts corporation, authorized to do business in the State of Florida, and acknowledged they executed the foregoing Agreement as the proper officials of CDM SMITH INC., for the use and purposes mentioned in it and they affixed the official seal of the legal entity, and that the instrument is the act and deed of that entity.

(SEAL)

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

Maria C. Monroe
Name of Notary Typed, Printed or Stamped
My Commission Expires: February 18, 2013
Commission Number: DD0862647

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

City of Fort Lauderdale
ESTIMATING TOOL
 Consulting Services
Renewal and Replacement Report Update
Task Order No. 22

13-Dec-12

Laine

Burney

Monroe
Thomas

O'Neil

TASK AND DESCRIPTION	Officer	Principal/ Associate	Senior Professional	Professional II	Professional I	Senior Support Services	Staff Support Services	Sr Professional Field Services	Professional Field Services	Project Administration	Senior QC Officer	Senior QC Manager	TOTAL HOURS	LABOR COSTS
Other labor categories and hours may be applicable to the services as allowable in the Master Agreement. The phases (definition, conceptual, preliminary, development, pre final, final, permitting, bidding, construction) are interdependent and build upon each other throughout the project process. The phases are not considered stand alone activities (i.e. not a subtask).														
Estimated Hours	0	52	0	74	0	0	0	0	0	8	0	7	141	\$20,045
Interview Operation, Electrician and Maintenance at GTL WWTP		12		0						2		0	14	\$2,170
Inspect 96 assets (equipment) and obtain Photographs at GTL WWTP		24		0						0		0	24	\$4,080
Interview Operations for Regional Repump A and Repump E		4		0						0		0	4	\$680
Inspect 34 Regional Assets (Equipment) and obtain Photographs at Repump A; Repump		8		0						0		0	8	\$1,360
Draft Renewal and Replacement Report Update		2		16						2		0	20	\$2,470
Draft Exhibit 1 and 2 with Rating of Asset as Poor-Fair-Good		2		8						0		0	10	\$1,340
Draft Exhibit 3		0		32						0		3	35	\$4,615
Draft Exhibit 4 and 5		0		8						0		2	10	\$1,410
Provide Internal Quality Technical Review and Email pdf to City for Review		0		0						2		1	3	\$335
Final Renewal and Replacement Report Update and Exhibit 3 and 4		0		10						2		1	13	\$1,585
Estimated Hours	0	52	0	74	0	0	0	0	0	8	0	7	141	20,045
Labor Rates	\$190.00	\$170.00	\$150.00	\$125.00	\$100.00	\$115.00	\$75.00	\$110.00	\$77.00	\$65.00	\$225.00	\$205.00		

CDM Smith Labor Hours= 141
 CDM Smith Labor \$ 20,045

REIMBURSABLE EXPENSES (Reproductions & FedEx & Courier) \$ -

Engineering Services \$ 20,045 Not to Exceed