



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 7/17/07

SUBJECT: Water Quality Monitoring Services

DEPARTMENT: CITY MANAGER'S OFFICE

RECOMMENDED MOTION:

To authorize the City to execute the attached contract from Quentin L. Hampton, Associates, Inc. for Water Quality Services related to the Cambridge Basin Improvements in the amount not to exceed a \$53,730.00.

SUMMARY:

Last September, the City received a \$2 million grant from FDEP under their Total Maximum Daily Load (TMDL) Grant program for the Cambridge Basin Central Drainage Improvements. Part of the grant requirements, the City must provide data indicating the project improved the water quality of the surrounding water body.

Through their project design contract, Quentin L. Hampton Associates will provide the monitoring and reporting services in accordance with FDEP standards

Staff recommends authorizing the contract in the amount not to exceed **\$53,730.00**.

Funding is available for the contract in account # 412-1800-541-3163 (DIP002). If you have any questions, please contact Kent E. Donahue, Special Assistant to the City Manager.

ATTACHMENTS: Ordinance Resolution Budget Resolution
 Other Supporting Documents and Contract

DEPARTMENT HEAD	Signed <i>Shanillellis</i>	Date 06.29.07
FINANCE DEPARTMENT	Approved as to Budget Requirements <i>[Signature]</i>	Date 6/29/07
CITY ATTORNEY	Approved as to Form and Legality <i>[Signature]</i>	Date
CITY MANAGER	Approved Agenda Item For: <i>[Signature]</i>	7/17/07

COUNCIL ACTION: Approved as Recommended Disapproved
 Tabled Indefinitely Continued to Date Certain Approved with Modification

RICHARD W. FERNANDEZ, P.E.
MARK A. HAMPTON, P.E.
BRAD T. BLAIS, P.E.
DAVID A. KING, P.E.
ANDREW M. GIANNINI, P.E.

Quentin L. Hampton Associates, Inc.
Consulting Engineers
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PORT ORANGE, FLORIDA 32129-0247

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January 4, 2007

Mr. Kent Donahue
City of Port Orange
1000 City Center Circle
Port Orange, FL 32129

**City of Port Orange
Cambridge Canal Basin Drainage Improvements
Water Quality Monitoring for TMDL Grant**

Dear Kent:

We are pleased to present this engineering fee estimate for the referenced water quality monitoring and report per your request. As we understand, the City has received a grant from F.D.E.P. for the Cambridge Improvements. The grant requires monitoring to document the efficiency of the improvements.

Quentin L. Hampton Associates, Inc (QLH) proposes utilize Environmental Consulting and Technology, Inc (ECT) of New Smyrna Beach to perform the monitoring and reporting as described on the attached scope of services and fee estimate. QLH will provide peer review of ECT's work and will review steps of the operations and deliverables.

QLH proposes to be compensated for the work through our current City contract. All work of the currently known scope shall be performed for the not-to-exceed lump sum of \$53,730.

We understand the approval by City Council is required. Please notify us of when it will be placed on the Council agenda so we may be in attendance to answer questions. As always, please call if there are questions.

Very truly yours,
QUENTIN L. HAMPTON ASSOCIATES, INC.



Mark A. Hampton, P.E.
President



Andrew M. Giannini, P.E.
Project Engineer

MAH/AMG:el

**SCOPE OF SERVICES AND FEE ESTIMATE
CITY OF PORT ORANGE
CAMBRIDGE CANAL BASIN DRAINAGE IMPROVEMENTS
WATER QUALITY MONITORING FOR TMDL GRANT**

General - This Scope of Services and Fee Proposal is in conformance with the Continuing Services Agreement between the City of Port Orange (City) and Quentin L. Hampton Associates, Inc (QLH) that was executed in February 1980.

Project Objective – The City of Port Orange has constructed a water quality treatment system to improve the quality of the stormwater discharge to Rose Bay. This project was partially funded through a TMDL Water Quality NPS Reduction grant and as part of the grant requirements the City will be responsible for monitoring the efficiency of the improvements. It is anticipated that the FDEP will require upstream and downstream event based composite samples be collected to demonstrate the efficiency of the system for 7 to 10 storm events.

Scope of Work – The major tasks included in this project are described below.

- Task 1**- Prepare Quality Assurance Project Plan (QAPP), coordinate sampling requirements and acquire approved QAPP.
- Task 2** – Initial setup and testing of sampling sites – Including fence enclosure or shed purchase and/or construction for instrument security from vandalism. This task assumes that sampling site will be located on City of Port Orange property or easement where private permission and/or permits will not be required.
- Task 3** – Station Maintenance -- Perform routine maintenance to ensure samplers are operational and in compliance with the QAPP requirements.
- Task 4** – Stormwater Sampling and Reporting – This task includes collection of samples, delivery to the lab and compiling of the lab results. This task also includes icing samples at the inception of sample collection through the delivery to the lab.
- Task 5** – Final Report – ECT will prepare a final report to be submitted to FDEP summarizing the sampling results.

Schedule – QLH and ECT shall complete the QAPP Document within 4 weeks of the notice to proceed. Site installation and sampling will occur within 2 weeks of receiving the authorized QAPP from FDEP. It is estimated as previously stated that the sampling period will take approximately 7 months.

Cost: QLH will complete the work for the following fees:

Task 1. QAPP and Coordination	\$3,410
Task 2. Initial Setup	\$3,740
Task 3. Station Maintenance	\$5,500
Task 4. Sample Collection and Analysis	\$29,480
Task 5. Final Report	\$6,600
Printing/Direct Costs Allow/Contingency	\$5,000
TOTAL	\$53,730

**Prepared by:
QUENTIN L. HAMPTON ASSOCIATES, INC.
-Consulting Engineers-
January 4, 2007**