



CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE: ~~02/23/10~~
3/2/2010

SUBJECT: AUTHORIZE PHASE II-A SERVICES WITH DREDGING & MARINE CONSULTANTS, LLC FOR ENGINEERING, PERMITTING AND CONSTRUCTION ADMINISTRATION FOR DREDGING IN THE B-23 CANAL

DEPARTMENT: CITY MANAGER

RECOMMENDED MOTION:

To authorize Phase II-A services with Dredging & Marine Consultants, LLC (DMC) for engineering, permitting and construction administration and inspection services related to the dredging of the B-23 canal and authorize the Mayor and City Manager to execute all associated documents.

SUMMARY:

On August 4, 2009, the City Council approved a contract and Phase I preliminary design services with DMC for engineering services related to the B-23 canal project. On January 19, 2010, the City Council approved Phase II services for the replacement of public seawalls contingent upon issuance of a Notice to Proceed. The attached scope of services and fee proposal represents the final design elements of the project and specifically includes services for the dredging component. The Phase II-A proposal covers engineering, permitting, bidding assistance, construction administration and inspection services for the seawall reconstruction. The proposal is drafted to work hand in hand with the previously approved seawall scope and fees have been allocated proportionally.

The proposal includes both lump sum and not-to-exceed amounts depending upon the service. The total not-to-exceed projected cost is \$36,610. Funds are available in Account #412-1800-541-63-97 DIP042.

ATTACHMENTS: Ordinance Resolution Budget Resolution
 Other Support Documents/Contracts Available for Review in Manager's Office

DEPARTMENT HEAD	Shannon M. Lewis <i>Shannon M. Lewis</i>	Date 02/02/2010
FINANCE DEPARTMENT	<i>[Signature]</i> Approved as to Budget Requirements	Date 2/12/2010
CITY ATTORNEY	Approved as to Form and Legality	Date
CITY MANAGER	<i>[Signature]</i> Approved Agenda Item For:	3/2/2010

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

**ADDENDUM NUMBER 2
TO CONTRACT WITH DREDGING & MARINE CONSULTANTS, LLC
ENGINEERING, PERMITTING AND CONSTRUCTION ADMINISTRATION CONSULTING SERVICES**

By Agreement made and entered into this ____ day of _____, 2010 by and between the City of Port Orange, Volusia County, Florida, hereinafter called the "City," party of the first part and Dredging & Marine Consultants, LLC, a Florida limited liability corporation having its office in Port Orange, Florida, hereinafter called the "Consultant," party of the second part.

WITNESSETH

The City and Consultant mutually agree to amend to that certain Contract between the City and the Consultants for engineering, permitting, construction administration and inspection consulting services as follows:

- (1) The Consultants shall provide engineering services as described on Exhibit A - Scope of Services dated February 4, 2010 for:
 - (a) Phase II-A engineering, permitting, bid assistance, construction administration and permitting services related to dredging within the B-23 canal.
- (2) The Consultants shall be compensated in accordance with the Contract between the City and the Consultant services and described in Exhibit A of Addendum No. 2.
- (3) The parties acknowledge that all other terms, provisions and conditions of the aforesaid original Contract and all additions thereto not amended or changed by the provisions of the Addendum are republished, ratified and reaffirmed by the parties hereto.

IN WITNESS HEREOF the parties have made and executed this Addendum the day and year written above.

ATTEST:

CITY OF PORT ORANGE

By _____
Kenneth W. Parker, City Manager

By _____
Allen Green

Title: _____
Mayor

WITNESS:

DREDGING & MARINE CONSULTANTS, LLC

By _____
Shailesh K. Patel, M.Sc., CPSSc.

Title: _____
President

Date: _____

Exhibit A

Mrs. Shannon Lewis
Deputy City Manager
City of Port Orange
1000 City Center Circle
Port Orange, FL 32129

**RE: B-23 Canal Phase 2A Dredging Engineering Design and Permitting;
Scope of Services, Budget, and Schedule**

Dear Mrs. Lewis:

Dredging & Marine Consultants (DMC) is pleased to submit the following proposal to assist the City of Port Orange with Phase 2A of the B-23 Canal Dredging; consisting of sediment removal from the canal based on a City approved template. Our understanding of the project and required services follow:

Project Understanding: Based on the previously completed feasibility study, the City of Port Orange wishes to complete the engineering and permitting of the removal of an estimated 30,000 CY of sediment within the B-23 canal. We understand that the City may opt to dredge areas of the canal, based on resident consensus and the best option for the City. It is also the City's intent to utilize the Contractor currently undertaking the Rose Bay Restoration Dredging project and thus a change in dredging method and permit modification are required. The dredging may be initiated as early as July 2010, thus permit modifications and approval is of the essence to gain full benefit of the currently mobilized Rose Bay contractor. Coordination with the Contractor, Florida Inland Navigation District and the US Army Corps of Engineers will also be required. This scope and costs can also incorporate any cost savings that can be gained through simultaneously work involved with the B-23 Seawall Project such as geotechnical, survey, final construction management and/or inspection.

Scope of Services: DMC will assist the City with the following task:

TASK 1 - ENGINEERING DESIGN: DMC will utilize all previously available reports, plans, data and permits to redesign the dredging project. We will revise and modify existing dredge templates that were previously permitted by the state and federal regulatory agencies. The existing permits and design will require modification due to design changes in the dredge methodology, from mechanical to hydraulic. We will design the agreed upon templates within various reaches of the canal. It is likely that certain sections of the canal may be walled off to contain sediment in areas that are not to be dredged in their entirety so that the sediment does not "flow" into the dredged areas. This may apply to the northern reach of the canal or at the Main Street Bridge. We will meet with the City to review the final templates after a 90% plan review by the City. DMC will generate a set of 8.5 x 11 inch drawings for permitting and 11 x 17 inch plans for bidding unless the City has other preferences. We will coordinate with the City and FDOT, if required, on any zoning and right-of-way issues that need to be resolved.

TASK 2 - PERMITTING: DMC will review and modify the existing permits for the dredging, due to change in dredge methodology as stated previously, with both the State and Federal regulatory agencies. Based on our experience we anticipate additional survey, geotechnical, and sediment chemical testing work to complete the permit and design work. We will secure these services on and as needed basis, at cost, and have estimated these services in Task 3. These costs will be discussed and authorized by the City before expenditure. We will use any previously generated data and information to minimize cost for these services. The City will be responsible for any permit fees which are estimated not to exceed \$500 altogether. This task includes responses to any Requests for Additional Information from any regulatory agencies, including FDOT coordination along Main Street bridge. These costs have been minimized to incorporate and assume services required under the Phase 2 Seawall Project will be authorized together by the City.

Exhibit A

TASK 3 – SURVEY, GEOTECHNICAL AND SUBSURFACE UTILITY LOCATE: Upon review of existing data and meeting with the regulatory agencies, DMC will request survey, geotechnical and chemical testing investigations from licensed firms as needed to complete all the design and permitting work. The fees indicated for this task are estimated below and will be authorized by the City at actual cost

TASK 4 – COSTRUCTION DOCUMENTS: DMC will provide complete assistance to the City for preparing a set of construction documents to construct the project. This will include generating a package in the City's standard construction bid format, including technical specifications and plans, assist the City. DMC will assist with managing any grant reporting and compliance requests from funding agencies.

TASK 5 – CONSTRUCTION ADMINISTRATION AND INSPECTION: DMC will provide the City with full construction inspection support under this task. It is assumed for this task that the City will be working with the Contractor currently undertaking the Rose Bay Dredging project. Thus, DMC will attend a pre-construction meeting and discuss all construction protocols and requirements, including site safety, emergency contacts, Request For Information (RFI) protocols, decision making resolution of field issues, required monitoring and permit compliance. In addition, we will conduct site inspection, material verification, resolution of any field issues, pay requests, and final "as-built." A final project punch-list and corrective measures will be conducted with the Contractor and City along with a final review of an as-built certification by the Contractor and their surveyor for project close-out. This task will be on a time a materials basis and will be authorized by the City upon appropriate time of project implementation. It is again assumed that this project will occur with the Phase 2 Seawall project. The fees indicated for this task only are on a not-to-exceed basis.

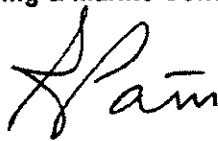
Budget: The lump-sum cost for the above task, including expenses, is as follows:

TASK 1 - ENGINEERING DESIGN:	\$ 8,890.00
TASK 2 – PERMITTING:	\$ 8,280.00
TASK 3 – SURVEY, GEOTECHNICAL, AND CHEMICAL TESTING:	\$ 5,000.00
TASK 4 – CONSTRUCTION DOCUMENTS	\$ 4,120.00
TASK 5 – CONSTRUCTION ADMINISTRATION AND INSPECTION:	<u>\$10,320.00</u>
TOTAL	\$36,610.00

Schedule: The engineering and permitting services will be completed in four months from the date of Notice-to-Proceed. However, permitting delays may impact final date of completion. The construction inspection work will be determined at a later date.

Should you have any further questions please call 386-304-6506. We look forward to your authorization (Notice to Proceed). Thank you.

Respectfully,
Dredging & Marine Consultants, LLC



Shailesh K. Patel, M.Sc., CPSSc.
Project Manager