

CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 07/19/05

			
SUBJECT	the Engineering Firm to De package for the Floating Do	ocks at Causeway I	ers-Scientists as ild Criteria Park.
DEPARTM	ENT: PARKS AND RECREA	TION	
Scientists Docks at th	NDED MOTION: Approve hi to Develop a Design/Build C le Causeway Park.	ring the firm of DM Criteria Package for	C Engineers- r the Floating
SUMMARY proposal to Causeway I assist with	develop a Criteria Package Park (attached) in the amou any permitting issues with t	nt of \$21,500.00 an he Army Corp of E	cks at the d they will ngineers.
	We have an \$85,000 Gra of the project. ຼ Appຄວບລ (ເ ໄຂເຂີດປະຊາດ ຊີ ຣະຊາດ Acapag ປູ Staff recommends appr	oval of the propose) budget Appropriate. al.
ATTACHMEN	NTS: [] Ordinance [x] Res	olution [] Budget	Resolution
[] Support Do	cuments/Contracts Available for	Review in Manager's	Office
DEPARTMEN	T HEAD-Glen T. Walker	en 11/1/	
FINANCE DEI		*	Date: 06/20/05
CITY ATTORN	IEV A 87 (Maroved as	to Budget Requirements	Date 7/7/5-
CITY MANAGI	ED III	to Form and Legality	Date
	Approved Agenda Ite	em for:	Date 7/19/05
COUNCIL ACTION:	☐ Approved as Recommended☐ Continued to Date Certain	☐ Disapproved ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	Tabled Indefinitely



June 17, 2005 DMC PN: 05-026-03

Mr. Glen Walker Director of Parks & Recreation City of Port Orange 1000 City Center Circle Port Orange, FL 32129

City of Port Orange Floating Docks at Causeway Park; RE:

Engineering Services:

Scope of Services, Budget, and Schedule

Dear Mr. Walker:

Dredging & Marine Consultants, LLC (DMC) is pleased to submit the following proposal to assist the City of Port Orange with services related to the construction of floating docks at the City of Port Orange Causeway Park. Based on our understanding of the services requested by the City, DMC will generate and provide data and assistance required to solicit designs and bids for the construction of the floating docks. The intent of this proposal is for DMC to provide assistance through construction of the project. The scope of services is as follows:

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

- 1. Surveying Elevations of existing structure corners and waterward ends of concrete boat ramps, including depth profiles (2) from landward end of ramp to sandbar across waterway will be generated. Each profile is to run parallel and in line with the existing wood tending docks. We will also conduct an environmental survey for any resource impacts for the extension of the dock system.
- 2. Permitting DMC will coordinate and conduct a pre-application meeting with the City, FDEP, USACOE or any other groups or agencies, as necessary, in order to complete and secure the permitting for this project for extending the footprint of the existing docks. Based on our field meeting and limited discussion with public using the facility, an extension of the floating system will be of benefit. Upon meeting with the regulatory agency, we will determine the most cost effective approach to any extension of the existing dock template. We anticipate at least two additional coordination meetings with the agencies in the permit processing scope and responding to two Requests for Additional Information (RAIs) from the regulatory and commenting agencies. The City will be responsible for any local, state, and federal permitting fees. We do not anticipate any mitigation needs. However, if mitigation is required, we will coordinate this as a separate
- Floating Dock Criteria DMC will provide the City with general criteria for floating dock addition/replacement. The criteria will include: storm surge, wave impacts (horizontal and vertical), boat impacts and hurricane wind on structure with no boats moored. DMC shall provide criteria for piling design by the manufacturer in the form of total lateral load and minimum piling penetration.
- 4. Geotechnical Information Two borings shall be taken through the pavement as close as practical to the boat ramp by a land-based rig. The borings shall end at -30.0 NGVD or deeper if sandy material is not encountered down to that elevation. The cored hole in the pavement shall be repaired using like pavement material adjacent to the hole. The geotechnical company shall provide detailed borings information and no piling analysis or design.

- 5. Bidding Assistance DMC will prepare technical document to accompany the City's general bid documents. DMC will also provide the City with a list of qualified manufacturers/contractors for bidding. DMC shall be available by phone, fax or email for answering pre-bid questions. DMC shall assist the City in reviewing bids in one-group meeting.
- 6. Contractor Shop Drawing and Engineering Review This task will include a review of Shop Drawings and Engineering Analysis provided by the selected Manufacturer/Contractor. DMC shall review shop drawings and provide one original red-lined mark-up of its drawings and a written letter review. DMC shall review a second submittal by the manufacturer/contractor for compliance with the required criteria and DMC's first review of shop drawings. Any additional reviews, if required, shall be
- 7. Construction Administration DMC shall hold a pre-construction meeting to review critical items in the plans. DMC shall make field visits at critical stages of construction such as: first delivery of floats, beginning of pile driving, beginning of on-site float assembly, concrete forms and rebar prior to placement of concrete (if necessary). DMC shall make one plant visit to observe manufacturer operations or similar work ongoing for the project. DMC shall prepare a written report of findings and concerns, as necessary. DMC shall perform a punchlist review of the "substantially complete" construction and prepare a list of outstanding items for final completion.

<u>Budget:</u> The lump-sum cost for the various tasks, including expenses is as follows:

Schedule: These tasks will be completed in approximately 6 months from the date of Notice-to-Proceed, depending on regulatory agency responsiveness.

Should you have any further questions please call 386-304-6505. Thank you.

Respectfully,

Dredging & Marine Consultants, LLC

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

Project Manager

C:\DMC PROPOSAL FILES-2B STORED\05-026-03PtOrangeEngineeringCityofPortOrangeCauseway Park Floating Dock06-17-05.doc



	U.S. Department of Transportation Federal Highway Administration DETAILED DAMAGE	Sheet	Report Number Sheet					
	VARIOUS FEDERAL-AID ROUTES-						FHWA Disaster Number JE - FL - O4 - O Inspection Date	
1	Description of Damage DAMAGE FROM HUR CITY OF PORT ORA	Federal-ald Ro	1 / 2 0 / 0 5 Federal-ald Route Number State County					
-	CITY OF FORT ORA				<u> </u>	FL -	Valusia	
Γ	Cost Estimate Description of Work to Date							
	(Equipment, Labor, and Materials)		Unit	Unit Price	Quantity	Completed	Cost Remaining	
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