

# City of Brisbane

## Agenda Report

TO: Honorable Mayor and City Council

FROM: Randy Breault, Director of Public Works/City Engineer via City Manager

SUBJECT: Award of Brisbane Marina Dredging Project

DATE: April 16, 2015

### **City Council Goals:**

To maintain and improve infrastructure. (#3)

### **Purpose:**

To obtain Council's approval for awarding a 2-year dredging contract at the city's marina.

### **Recommendation:**

Award the contract for the 2015-2016 Brisbane Marina and Entrance Channel Maintenance Dredging Project to The Dutra Group for \$3,653,500 and authorize the Mayor to sign the Agreement on the city's behalf.

### **Background:**

The City Council began an earnest discussion of the need to dredge the marina in summer 2013. The results of a subsequent bathymetric survey confirmed that initiating the lengthy process to complete maintenance dredging was indeed necessary. At its 9/2/14 meeting, the Council approved a Professional Services Agreement with Anchor QEA to complete the permitting and design work for dredging.

The Council then approved the publication of the Notice Inviting bids for the dredging project at its 3/5/15 meeting (see attached staff report). Staff and designer Anchor QEA held a mandatory pre-bid meeting at the Marina on 3/20/15. Seven dredging firms attended this meeting.

The city received two bids on 4/6/15:

Dutra	\$3,653,500
Vortex Marine Construction, Inc.	\$5,404,700

**Discussion:**

The low bidder submitted a responsive bid and is a responsible contractor (see attached recommendation from Anchor QEA). Staff recommends award to the low bidder.

**Fiscal Impact:**

The updated estimate for this project (excluding Design and Construction Management) is:

Direct Construction Costs	\$3,653,500
Permit Fees	<u>\$114,800</u>
TOTAL	\$3,768,300

The source of revenue for this project will be bonds that are to be issued in the near future, so that funds are available for a June 1, 2015 start of construction.

The spreadsheet attached to the Anchor QEA Memorandum details the differences between the engineer's estimate and the low bidder. Of particular note is that Bid Item 4 "Equipment Idle Day Rate" awarded in the amount of \$55,000 may not actually be spent. The intent of this bid item was to obtain the daily cost in the event Marina staff is unable to locate vessels within the one-day time period allowed in the specifications. If the city successfully locates vessels within the one-day period after acceptable notice from the contractor, then this amount will not be spent.

Staff is recommending that "optional area" dredging (a small area around Dock 6 that has challenging access) Bid Item 6 be included in the contract at the proposed price of \$34,000.

**Measure of Success:**

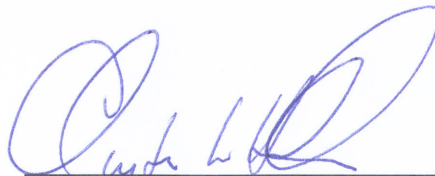
A marina restored to its original design depths.

**Attachments:**

3/5/15 Staff report (minus dredging plans and specifications)  
Anchor QEA 4/7/15 Memorandum



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Director of Public Works/City Engineer



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City Manager



# City of Brisbane

## Agenda Report

TO: Honorable Mayor and City Council

FROM: Randy Breault, Director of Public Works/City Engineer via City Manager

SUBJECT: Brisbane Marina Dredging Project

DATE: March 5, 2015

**City Council Goals:** To maintain and improve infrastructure. (#3)

**Purpose:** To obtain Council's approval for requesting bids to complete a 2-year dredging project at the city's marina.

**Recommendation:** Approve the publication of the Notice Inviting Bids for the 2015-2016 Brisbane Marina and Entrance Channel Maintenance Dredging Project.

### **Background:**

The City Council began an earnest discussion of the need to dredge the marina in summer 2013. The results of a subsequent bathymetric survey confirmed that initiating the lengthy process to complete maintenance dredging was indeed necessary. At its 9/2/14 meeting, the Council approved a Professional Services Agreement with Anchor QEA to complete the permitting and design work for dredging.

From an earlier conversation with Dr. Burnam of Anchor QEA, Council will recall that permitting for dredging is routed through the Dredged Material Management Office (DMMO), which is a joint program of; the San Francisco Bay Conservation and Development Commission (BCDC), San Francisco Bay Regional Water Quality Control Board (RWQCB), State Lands Commission (SLC), the San Francisco District U.S. Army Corps of Engineers (COE), and the U.S. Environmental Protection Agency (EPA). The California Department of Fish and Wildlife, the National Marine Fisheries Service, and the U.S. Fish and Wildlife Service also participate in the permitting process on an advisory basis. The RWQCB typically issues a Notice of Exemption for CEQA compliance when they issue the required 401 Water Quality Certification, and COE assumes lead agency role for NEPA compliance relative to dredging disposal. As the project lead agency, Brisbane issued a Notice of Exemption for the overall project pursuant to 14 CCR §15304 (g) - Maintenance dredging where the spoil is deposited in a spoil area authorized by all applicable state and federal regulatory agencies.

### **Discussion:**

The Council will note that this project is proposed to be published several months ahead of the anticipated start date. This extended advance schedule is due to the specified work period permitted by

DMMO of June 1 - November 30 (restrictions imposed to limit impacts on aquatic life in the disposal area), and the work necessary by the contractor prior to commencing dredging.

The selected contractor will be required to submit a Dredging and Disposal Operations Plan to DMMO for review and approval. Additionally, the contractor is required to complete a preliminary bathymetric survey before dredging. Finally, considering the length of time necessary to place a contract on the council's agenda for award, the time the contractor is permitted to provide final contract documents, and the multiple submittals required before work can begin, have all led staff to propose the schedule of; Notice Inviting Bids approval 3/5/15, Bids due 4/6/15, and Council Award of Contract 4/16/15, as necessary to ensure the first period of dredging can commence on June 1, 2015.

As confirmed by the bathymetric survey and the practical experience of Brisbane Marina mariners with deep drafts, the approach channel and interior portions of our marina prevent free, unhindered ingress/egress during mean low low water tides. Choosing to not perform the dredging project would only exasperate this condition to the point that the marina would eventually become non-navigable by nearly all pleasure vessels. Approval of the dredging Notice Inviting Bids is strongly recommended.

The "front end" of the specifications (i.e., everything up to and including the General Conditions) are the same specifications the City has used over the last two decades. The remainder of the specifications and the plans were prepared by Anchor QEA. Dr. Burnam will attend the city council in case there are any questions on the latter materials.


**Fiscal Impact:** The engineer's estimate for this project is as follows:

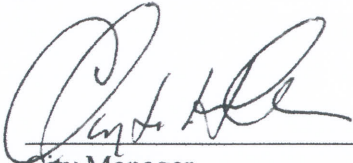
Direct Construction Costs (excluding optional area)	\$3,092,000
Contingency on Direct Costs	\$309,200
Permit Fees	\$114,800
TOTAL	\$3,516,000

The source of revenue for this project will be bonds that are to be issued in the near future, so that funds are available for a June 1, 2015 start of construction.

**Measure of Success:** A marina restored to its original design depths.

**Attachments:** Dredging Project Plans and Specifications

  
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Director of Public Works/City Engineer

  
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City Manager

A copy of supporting materials provided to the City Manager and Council Persons in connection with this agenda item is available for public inspection and copying at 50 Park Place, City of Brisbane Department of Public Works, Brisbane, CA, 94005. Telephone: (415) 508-2130.





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San Francisco, California 94111  
Phone 415.230.0862  
www.anchorqea.com

## MEMORANDUM

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**To:** Randy L. Breault, P.E., City of Brisbane  
**Date:** April 7, 2015  
**From:** Dr. Joshua Burnam and Nicole Egli,  
Anchor QEA, LLC  
**Project:** City Project No. 9F01  
**Cc:** Mike Roberts, Anchor QEA, LLC  
**Re:** Recommendation for Award of 2015-2016 Brisbane Marina and Entrance Channel  
Maintenance Dredging Contract

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The bid received by The Dutra Group (Dutra) in the amount of \$3,653,500 is the apparent lowest bidder for the City of Brisbane Marina and Entrance Channel Maintenance Dredging contract (City Project No. 9F01). While Dutra's price marginally exceeds the Engineer's estimate, their cost is reasonable for the region, the scope of work, and the industry. (Note: Engineer's Estimate excludes bid item #4 – Equipment Idle Day Rate; and excludes bid item #6 – Optional Area).

Anchor QEA has reviewed the bid proposal received by Dutra and has found the proposal to meet the requirements of the project specifications as follows:

- The bid received by Dutra is considered responsive.
- Dutra provided the required surety bond in an amount not less than ten percent of the estimated total contract payments.
- Dutra's Contractor Class A license is valid at the time of the bid.
- Dutra did include a certified Non-collusion Affidavit with the proposal.

Dutra has 10 years of experience in the successful completion of work similar to or greater in magnitude and complexity to the City of Brisbane project scope of work. Anchor QEA has worked with Dutra on past projects and can verify that Dutra is capable of performing the work specified.

In conclusion, Anchor QEA has found that Dutra has fulfilled the bid requirements and recommends that the City of Brisbane select Dutra for award of this contract.

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Bid Item	Item Description	Unit	Est. Qty.	Anchor QEA Eng Estimate		The Dutra Group		Vortex Marine Construction, Inc.	
				Unit Price	Extended & Total Price	Unit Price	Extended & Total Price	Unit Price	Extended & Total Price
1	Mobilization and Demobilization	LS	1	\$450,000.00	\$450,000.00	\$300,000.00	\$300,000.00	\$825,000.00	\$825,000.00
2	Entrance Channel Dredging, Transport, and Disposal	CY	40400	\$15.00	\$606,000.00	\$15.00	\$606,000.00	\$21.00	\$848,400.00
3	Marina Dredging, Transport and Disposal - Areas 1 through 11	CY	99000	\$20.00	\$1,980,000.00	\$26.50	\$2,623,500.00	\$35.00	\$3,465,000.00
4	Equipment Idle Day Rate - Areas 1 through 11	Days	11	\$0.00	\$0.00	\$5,000.00	\$55,000.00	\$6,800.00	\$74,800.00
5	Bathymetric Surveying	LS	1	\$54,000.00	\$54,000.00	\$35,000.00	\$35,000.00	\$115,000.00	\$115,000.00
6	Marina Dredging, Transport, and Disposal: Optional Area	CY	1700	\$0.00	\$0.00	\$20.00	\$34,000.00	\$45.00	\$76,500.00
<b>BASE BID</b>							\$3,653,500.00		\$5,404,700.00
<b>TOTAL BID PRICE</b>					\$3,090,000.00		\$3,653,500.00		\$5,404,700.00
					Dollar Difference from Engr Est		\$563,500.00		\$2,314,700.00
					Percentage difference from Engr Estimate		18.2%		74.9%
<b>TOTAL BID PRICE EXCLUDING BI #4 (IDLE DAY RATE) AND BI #6 (OPTIONAL AREA)</b>							\$3,564,500.00		\$5,253,400.00
					Dollar Difference from Engr Est		\$474,500.00		\$2,163,400.00
					Percentage difference from Engr Estimate		15.4%		70.0%