

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

514



FROM: Sheriff's Department

SUBMITTAL DATE:
04/28/14

SUBJECT: Approval of the Purchase of a Side Scan Sonar System from Marine Sonic Technology, LTD. via the Competitive Bid Process, with Only One Responsive Bid Received, for the Sheriff's Department, 5th/5th District. [\$48,100 – 100% General Fund]

RECOMMENDED MOTION: That the Board of Supervisors:

1. Approve and authorize the Purchasing Agent to issue a Purchase Order to Marine Sonic Technology to provide a Side Scan Sonar System for a cost not to exceed \$48,100.

BACKGROUND:

Summary

The water depth, visibility, temperature and environmental conditions at many Riverside County bodies of water, make traditional hand and line searches for drowning victims, vehicles, vessels or criminal evidence both difficult and hazardous. A side scan sonar system will assist in locating objects underwater and significantly reduce the time divers are underwater.

(Continued on page 2)

Stanley L. Sniff Jr.
Sheriff-Coroner-PA
Will Taylor, Dir. of Administration

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (per Exec. Office)
COST	\$ 48,100	\$ 0	\$ 48,100	\$ 0	Consent <input type="checkbox"/> Policy <input checked="" type="checkbox"/>
NET COUNTY COST	\$ 48,100	\$ 0	\$ 48,100	\$ 0	
SOURCE OF FUNDS: General Fund				Budget Adjustment:	No
				For Fiscal Year:	13/14

C.E.O. RECOMMENDATION:

APPROVE

County Executive Office Signature

MINUTES OF THE BOARD OF SUPERVISORS

FISCAL PROCEDURES APPROVED
PAUL ANGULO, CPA, AUDITOR-CONTROLLER
 BY: 5/5/14
 Departmental Conc. Esteban Hernandez

Purchasing: Mark Seiler, Assistant Director

- A-30
- Positions Added
- 4/5 Vote
- Change Order

Prev. Agn. Ref.:

District: 5/5

Agenda Number:

3-36

SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA
FORM 11: Approval of the Purchase of a Side Scan Sonar System from Marine Sonic Technology, LTD.
via the Competitive Bid Process, with Only One Responsive Bid Received, for the Sheriff's Department,
5th/5th District. [\$48,100 – 100% General Fund]

DATE: 04/28/14

PAGE: 2 of 2 (BR 14-081)

Contract History and Price Reasonableness

Sheriff's Purchasing released a request for quotes, RFQ# SHARC-246, through a posting on publicpurchasing.com. The request specified a side scan sonar system with dual frequency at 900/1800 KHz, with accessories and training. County Purchasing records show four (4) companies downloaded and received a copy of the bid: Marine Sonic Technology, EdgeTech, Deltek and North America Procurement Council. Marine Sonic Technology and EdgeTech were the only vendors that responded to the bid. However, EdgeTech's bid was disallowed because it does not manufacture a sonar system with the dual frequency at 900/1800 KHz. Marine Sonic Technology was the only responding vendor that met the frequency specification outlined in the RFQ.

Due to the cost of this equipment, and the need to purchase a system with a useful life of at least 10 years, the Department requires the latest viable technology. In conducting our research, the 900/1800 kHz is the latest technology in band-width, which has a finer resolution with the greatest amount of detail shown to the operator. Finer resolution and detail allow our operators to determine viable objects more readily. This is critical to get the mission accomplished, while at the same time completing the mission safely in a timely matter.

Marine Sonic Technology Price Quote

Sea Scan HDS Dual Frequency Towed System w/ Accessories:	\$39,950
Two days of training (includes travel cost and expenses):	\$4,900
California Sales Tax @ 8%	\$3,196
Total purchase price:	\$48,046

Impact on Citizens and Businesses

The water depth, visibility, temperature and environmental conditions at many Riverside County lakes, make traditional hand and line searches for drowning victims, vehicles, vessels or criminal evidence both difficult and hazardous. A side scan sonar system will assist law enforcement in locating objects underwater, and it will significantly reduce the time divers are underwater and their exposure to hazards. It will also sustain search operations when divers are unable to continue.

Date: April 29, 2014
From: Will Taylor, Chief of Administration Department/Agency: Sheriff -DIVE
To: Board of Supervisors
Via: Purchasing Agent
Subject: Single Source Procurement; Request for purchase of a Side Scan Sonar System with Accessories and Training.

The below information is provided in support of my Department requesting approval for a single source. Outside of a duly declared emergency, the time to develop a statement of work or specifications is not in itself justification for sole source.

1. **Supply/Service being requested:** Side Scan Sonar ARC "explorer" dual frequency system (900/1800 kHz) with accessories and training.
2. **Supplier being requested:** Marine Sonic Technology, LTD.
3. **Alternative suppliers that can or might be able to provide supply/service:** Sheriff's Purchasing released a request for quote, RFQ# SHARC-246, through a posting on publicpurchasing.com. County Purchasing records show four (4) companies downloaded and received a copy of the bid: Marine Sonic Technology, EdgeTech, Deltek and North America Procurement Council. Marine Sonic Technology and EdgeTech were the only vendors that responded to the bid. As a result of the bidding process, Marine Sonic Technology was the only vendor that met the frequency specification outlined in the bid.
4. **Extent of market search conducted:** A formal bid (SHARC-246) was conducted
5. **Unique features of the supply/service being requested from this supplier, which no alternative supplier can provide:** The two industry leaders that produce economical towable side scan sonar systems are Marine Sonic Technology and EdgeTech. Although both vendors offer similar product, with their own unique portable sonar scan system and accessories, the Sheriff's required specification was the High Definition (HD) dual frequency 900/1800 kHz. Marine Sonic Technology was the only vendor that met this specification.

Due to the cost of this equipment, and the need to have a shelf life of at least 10 years, the Department requires the latest viable technology. In conducting our research, the 900/1800 kHz is the latest technology in band-width, which has a finer resolution with the greatest amount of detail shown to the operator. Finer resolution and detail allow our operators to determine viable objects more readily. This is critical to get the mission accomplished, while at the same time completing the mission safely in a timely matter.

6. **Reasons why my department requires these unique features and what benefit will accrue to the county:** The water depth, visibility, temperature and environmental conditions at many Riverside County bodies of water, make traditional hand and line searches for drowning victims, vehicles, vessels or criminal evidence both difficult and hazardous. The use of sonar system has significantly reduced the time a diver spends underwater searching. The US Navy and public safety divers have shown that side-scan sonar searches are much more efficient than traditional hand or line searches. The Marine Sonic tow fish has a High Definition (HD) dual frequency 900/1800 kHz that provides an ultra-high resolution images for the detection of small objects such as human remains, evidence and hazardous devices. Since the system is used underwater where debris and visibility is an issue, the ability to obtain clear, sharp images is critical to our recovery mission. The high resolution images

help to avoid missing targets or having to send our divers over the same area multiple times. Side scan sonar will sustain search operations when divers are unable to continue. In addition, less time underwater and exposure to the hazards of inland bodies of water is safer for our employees.

- 7. **Price Reasonableness including purchase price and any ongoing maintenance or ancillary costs from the supplier:** Although EdgeTech provided a total cost of \$3,577 less than Marine Sonic Technology, their product does not meet the frequency requested by the Department.

Marine Sonic Technology Price Quote

Sea Scan HDS Dual Frequency Towed System w/ Accessories =\$39,950

Two days of training (includes travel cost and expenses) =\$4,900

California Sales Tax @ 8% (\$3,196)

Total purchase price: \$48,046

- 8. **Does moving forward on this product or service further obligate the county to future similar contractual arrangements or any ongoing costs affiliated with this sole source?** No.


- 9. **Period of Performance:** Staff is requesting a one-time purchase not to exceed \$48,100

 1844 **P. Knudson** 043014
 Chief Deputy Signature Date

 4/30/14
 Department Head Signature Date

Purchasing Department Comments:

Approve Approve with Condition/s Disapprove
 Not to exceed: \$ 48,100 One time Annual Amount through _____

 4-30-14 14-499
 Purchasing Agent Date Approval Number
 (Reference on Purchasing Documents)