



Contra
Costa
County

To: Board of Supervisors
From: David O. Livingston, Sheriff-Coroner
Date: March 3, 2015

Subject: Purchase Order - Churchill Navigation ARS-600 Airborne Moving Map System

RECOMMENDATION(S):

APPROVE and AUTHORIZE the Purchasing Agent to execute, on behalf of the Sheriff-Coroner, a purchase order with Churchill Navigation in an amount not to exceed \$123,000 for the purchase of a helicopter moving map system for the Office of the Sheriff Emergency Services Division (0362).

FISCAL IMPACT:

\$123,000. Budgeted FY 14/15. 100% funded by SHSGP 2014 grant awarded to the Office of the Sheriff. No change in Net County cost.

BACKGROUND:

The Office of the Sheriff's STARR helicopters are deployed to assist patrol deputies, on land and on water, to assist with the protection of lives and property within Contra Costa County.

The acquisition of the Churchill navigation ARS-600 airborne moving mapping system will enhance recovery time and rescue efforts by directing ground, maritime, and air units to the specific location of a terrorist attack or other catastrophic disaster, and as such minimize the

☒ APPROVE

☐ OTHER

☒ RECOMMENDATION OF CNTY ADMINISTRATOR

☐ RECOMMENDATION OF BOARD COMMITTEE

Action of Board On: **03/03/2015** ☒ APPROVED AS RECOMMENDED ☐ OTHER

Clerks Notes:

VOTE OF SUPERVISORS

AYE: John Gioia, District I
Supervisor
Candace Andersen, District II
Supervisor
Mary N. Piepho, District III
Supervisor
Karen Mitchoff, District IV
Supervisor

ABSENT: Federal D. Glover, District V
Supervisor

I hereby certify that this is a true and correct copy of an action taken and entered on the minutes of the Board of Supervisors on the date shown.

ATTESTED: March 3, 2015

David Twa, County Administrator and Clerk of the Board of Supervisors

By: June McHuen, Deputy

Contact: Liz Arbuckle,
925-335-1529

loss of lives and destruction of property. It will enhance the ability of law enforcement, EMS, fire, military, and other first responders

BACKGROUND: (CONT'D)

to detect, prevent, respond to, operate and recover from any and all potential threats and environmental disasters in the region and greater Urban Areas Security Initiative (UASI) Jurisdictions.

The Office of the Sheriff's Air Support unit will be able to utilize existing observation, communication, recording, search and rescue, multi-agency coordination, and forward looking infrared (FLIR) capabilities in the most efficient and effective manner. The mapping system includes an 'augmented reality system' (ARS), which enables the tactical flight officer to accurately identify and communicate the exact location of possible or actual incidents within our critical infrastructures and key resources on land or water, prior to or as they occur.

The Churchill ARS System provides a higher level of maturity not found in any other augmented reality mission management system available on the market. Churchill Navigation Augmented Reality Systems are in use in a wide range of airborne platforms across the United States, Canada and Europe.

CONSEQUENCE OF NEGATIVE ACTION:

Failure to procure this mapping system will result in a negative impact to Contra Costa County. The County will lack an ability to accurately identify and communicate the exact location of possible or actual incidents within the County's critical infrastructures and key resources prior to or as they occur.

CHILDREN'S IMPACT STATEMENT:

No impact.