County of Los Angeles
INTERNAL SERVICES DEPARTMENT
1100 North Eastern Avenue
Los Angeles, California 90063

TOM TINDALL
Director

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"To enrich lives through effective and caring service"

April 17, 2012

ADOPTED
BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES
9 April 17, 2012
SACHI A. HAMAI
EXECUTIVE OFFICER

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, California 90012

Dear Supervisors:

ACCEPT GRANT FUNDS AND APPROVE APPROPRIATION ADJUSTMENT FOR THE ACQUISITION AND INSTALLATION OF TELECOMMUNICATIONS EQUIPMENT INCLUDING CAPITAL ASSET EQUIPMENT IN EXCESS OF $250,000 (ALL DISTRICTS) (4 VOTES)

CIO RECOMMENDATION: APPROVE (X) APPROVE WITH MODIFICATION ( ) DISAPPROVE ( )

SUBJECT

Acceptance of Urban Areas Security Initiative (UASI) 2008 grant funding in the amount of $3,781,000; approval of an appropriation adjustment recognizing the grant funding; approval of the acquisition of telecommunications equipment with a unit cost of greater than $250,000; and approval for the County Purchasing Agent to deliver the equipment and services.

IT IS RECOMMENDED THAT YOUR BOARD:

1. Accept UASI 2008 grant funding in the amount of $3,781,000, currently administered and managed by the City of Los Angeles, to be used to achieve multi-agency interoperable communications via the addition of a Voice Interoperability Data Access gateway (switch) to the existing Countywide Interoperable Radio System (CWIRS).

2. Approve the Fiscal Year 2011-12 appropriation adjustment (Attachment A), recognizing new grant revenue in the amount of $3,781,000 and increasing the Department's Capital Assets Equipment appropriation in the amount of $3,781,000.

3. Authorize the Director of the Internal Services Department (ISD), as the County's Purchasing Agent, to proceed with the acquisition and installation of telecommunications equipment, including capital asset equipment items with a unit cost greater than $250,000.

4. Authorize the Director of ISD or designee to sign any and all documents required under the UASI 2008 for the administration and management of this grant.

5. Find that this action is exempt from the California Environmental Quality Act (CEQA).

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

Approval of the recommended actions will enable the County to add a Voice Interoperability Data Access (VIDA) interoperable communications gateway ("switch") to its existing CWIRS system, which will provide a fast, cost effective means to achieve multi-agency interoperable communications.

CWIRS was implemented in 1993 as a state-of-the-art Enhanced Digital Access Communications System 800 MHz Trunked/Simulcast radio system. The system is operating on 47 frequencies distributed over 16 hilltop radio sites throughout the County. With ongoing enhancements and optimization, it has served the County effectively and dependably for almost two decades, and today provides service to more than 8,000 users in 30 different County departments and multiple non-County agencies, including the California Department of Corrections and Rehabilitation.

The addition of a VIDA switch provides a fast, cost-effective means to achieve multi-agency audio and data interoperability regardless of radio type, frequency, or mode, utilizing Inter Radio Frequency Subsystem Interface (ISSI) links. This system improvement will benefit the more than 8,000 CWIRS users and public safety and public service agencies throughout the region by creating the following interoperability solutions:

- Currently, the County's CWIRS system requires complicated methods or hardware solutions to provide rudimentary interoperability. Adding a VIDA switch will provide the County's secondary responders and public safety first responders with state of the art interoperable solutions through ISSI links and interoperable gateways.

- The VIDA switch provides the foundation necessary to create countywide interoperability solutions between the County's 8,000 CWIRS subscribers and the 6,000 secondary responders on the City's Simulcast Trunked Radio System (STRS), with existing public safety (first responder) radio systems in the region, including the Los Angeles County Fire and Sheriff's Departments, and the future planned Los Angeles Regional Interoperable Radio System (LA-RICS).

- The STRS-CWIRS connection is being contemplated to serve as the secondary responder network for the LA-RICS program, as it will increase capacity and coverage, and reduce the overall cost of LA-RICS.

Implementation of Strategic Plan Goals

The recommended actions support County Strategic Plan Goal Number 1 (Operational Effectiveness) to improve the effectiveness of the County's processes, structure, and operations by providing radio services countywide.

FISCAL IMPACT/FINANCING

With the approval of the recommended appropriation adjustment for the amount of $3,781,000, the equipment and installation costs related to this action will be funded through ISD's Fiscal Year 2011-12 operating budget, and will be fully reimbursed under the grant. The VIDA equipment and installation cost estimates are shown on Attachment B.

Recurring maintenance costs for the proposed equipment will not significantly impact CWIRS operating costs. CWIRS costs are accounted for as reimbursable funding from client departments.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

On October 16, 2001, your Board adopted a policy whereby departments must obtain Board approval to purchase equipment with a unit cost of $250,000 or greater prior to submitting their requisitions for purchasing.

Concurrently, your Board's approval of recommendation 3 will authorize the Purchasing Agent to acquire the installation services necessary to deliver the project. The Chief Information Officer recommends approval of this Contract (CIO Analysis attached).

CONTRACTING PROCESS

The acquisition of equipment falls under the statutory authority of the County's Purchasing Agent and will be accomplished in accordance with the County's purchasing policies and procedures. As a sub-recipient of the UASI grant administered by the City, the County will access the City's contract to procure the equipment and installation services that are required to deliver the project.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

The UASI 2008 grant requirements state that the agency must use "outside" labor to implement the project. However, existing ISD resources will be utilized to oversee the CWIRS VIDA Enhancement project. As noted previously, recurring maintenance of the proposed equipment will not significantly impact the current CWIRS operating cost pool.

CONCLUSION

Upon Board approval, the Executive Officer, Board of Supervisors, is requested to return one adopted stamped Board letter to ISD.

Respectfully submitted,

TOM TINDALL
Director

Reviewed By:

RICHARD SANCHEZ
Chief Information Officer

TT:JS

Attachments(3)

Enclosures

c: Chief Executive Officer
Executive Officer, Board of Supervisors
County Counsel
Deputy Chief Executive Officer

PINK (1)

BA FORM 09/09

BOARD OF SUPERVISORS OFFICIAL COPY

COUNTY OF LOS ANGELES

REQUEST FOR APPROPRIATION ADJUSTMENT

DEPT'S. NO. 300

DEPARTMENT OF INTERNAL SERVICES DEPARTMENT

April 17, 2012

AUDITOR-CONTROLLER:
THE FOLLOWING APPROPRIATION ADJUSTMENT IS DEEMED NECESSARY BY THIS DEPARTMENT. PLEASE CONFIRM THE ACCOUNTING ENTRIES AND AVAILABLE BALANCES AND FORWARD TO THE CHIEF EXECUTIVE OFFICER FOR HIS RECOMMENDATION OR ACTION.

ADJUSTMENT REQUESTED AND REASONS THEREFOR

FY 2011-12

4 - VOTES

SOURCES

INTERNAL SERVICES DEPARTMENT
A01-IS-90-9031-13100
FEDERAL GRANT
INCREASE REVENUE $3,781,000

USES

INTERNAL SERVICES DEPARTMENT
A01-IS-6030-13100
CAPITAL ASSETS - EQUIPMENT
INCREASE APPROPRIATION $3,781,000

SOURCES TOTAL: $ 3,781,000

USES TOTAL: $ 3,781,000

JUSTIFICATION

Reflects an increase in appropriation to purchase equipment which would enable County to add a Voice Interoperability Data Access interoperable communications gateway ("switch") to its existing CWIRS system. The costs of the equipment will be fully reimbursed under the Urban Areas Security Initiative (UASI) 2008 grants funding.

ADOPTED
BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

AUTHORIZED SIGNATURE Dave Yamashita, Admin Deputy

BOARD OF SUPERVISOR'S APPROVAL (AS REQUESTED/REVISED) 9 APR 17 2012

Sachi A. Hamai
SACHI A. HAMAI
EXECUTIVE OFFICER

REFERRED TO THE CHIEF EXECUTIVE OFFICER FOR ---

☐ ACTION
☑ RECOMMENDATION

AUDITOR-CONTROLLER BY Karen Shikuma

B.A. NO. 140 April 2 2012

☑ APPROVED AS REQUESTED
☐ APPROVED AS REVISED

CHIEF EXECUTIVE OFFICER BY G Kinnejian

April 3 2012

SEND 6 COPIES TO THE AUDITOR-CONTROLLER

Attachment B

VIDA Enhancement Cost Estimates[1]	
Item Description	FY 2011/12 Costs
VIDA Switch and related equipment	$2,826,000.00
Installation Materials	$29,000.00
Equip. Subtotal	$2,855,000.00
Tax (8.75%)	$250,000.00
Installation Services	$676,000.00
Project Total	$3,781,000.00

[1] Pricing provided by Los Angeles City contract vendor.

RICHARD SANCHEZ
CHIEF INFORMATION OFFICER

Office of the CIO

CIO Analysis

NUMBER:	DATE:
CA 12-04	3/29/2012

SUBJECT:

REQUEST APPROVAL TO PURCHASE TELECOMMUNICATIONS EQUIPMENT AND INSTALLATION SERVICES

RECOMMENDATION:

☒ Approve ☐ Approve with modification ☐ Disapprove

CONTRACT TYPE:

☒ New contract ☒ Sole Source
☐ Amendment to Contract #: Enter contract #. ☐ Other: Describe contract type.

CONTRACT COMPONENTS:

☒ Software ☒ Hardware
☒ Telecommunications ☒ Professional Services

SUMMARY:

Department executive sponsor: Tom Tindall, Director, ISD

Description: Request approval to purchase a Voice Interoperability Data Access (VIDA) communications gateway to the existing Countywide Interoperable Radio System (CWIRS).

Contract amount: $3,781,000 Funding source: Urban Areas Security Initiative grant

☐ Legislative or regulatory mandate ☒ Subvened/Grant funded: 100%

Strategic and business analysis

PROJECT GOALS AND OBJECTIVES:

The project's primary goals and objectives are to improve public safety and provide additional communications tools to first and second responders.

In order to receive the grant, ISD completed a project proposal to the California Emergency Management Agency. The Project Charter will be developed as part of the purchase request.

BUSINESS DRIVERS:

The key business driver is the need to improve multi-agency communications in order to better coordinate emergency management and response.

	PROJECT ORGANIZATION: The Director of ISD will serve as the project sponsor, while the Branch Manager of the Telecommunications Branch will serve as the Project Manager. A project team will be assembled to work with the vendor on implementation and testing activities.
	PERFORMANCE METRICS: Most of the performance metrics to determine project success will be based on a detailed communications interoperability test plan that will include, but not be limited to, bi-directional testing of group calls passing from portable to portable, CWIRS to the City's Simulcast Trunked Radio System (STRS), mobile to mobile, and console to portable. Only when the system tests are all executed successfully will ISD accept and sign off on the project.
	STRATEGIC AND BUSINESS ALIGNMENT: This project aligns well with the County's Public Safety goal to ensure that committed efforts of the public safety partners continue to maintain and improve to the highest level of safety and security standards to the people of Los Angeles County.
	PROJECT APPROACH: The communications gateway being implemented is a commercial-off-the-shelf product. It will be implemented with professional services assistance from the vendor, and the users of CWIRS will not be impacted during the implementation.
	ALTERNATIVES ANALYZED: Because CWIRS is a proprietary product, there were no alternatives considered. The equipment will be sole sourced from Dailey and Wells Communications, Inc. The sole source was approved by the California Emergency Management Agency and ISD Contracts. ISD Purchasing is aware of the situation.

Technical analysis	ANALYSIS OF PROPOSED IT SOLUTION: When fully implemented, the addition of the communications gateway will facilitate multi-agency audio and data interoperability regardless of radio type, frequency or mode, thereby, improving the County's ability to react to emergencies. CWIRS was implemented in 1993, and it operates on 47 frequencies distributed over 16 hilltops radio sites throughout the County. It provides communications services to more than 8,000 users in 30 County departments, and multiple non-County agencies. The addition of the proposed communications gateway will create a Countywide communications solution between CWIRS and the 6,000 secondary responders on the City's STRS. The proposed system will also be compatible with the planned Los Angeles Regional Interoperable Radio System (LA-RICS).

Financial analysis

BUDGET:

Contract costs

One-time costs:

Hardware.....	$ 3,105,000
Software.....	$ N/A
Services	$ 676,000

Ongoing annual costs:

Hardware.....	$ N/A
Software.....	$ N/A
Services	$ N/A
Sub-total Contract Costs:	**$** 3,781,000

Other County costs:

One-time costs:

Hardware	$ N/A
Software.....	$ N/A
Services (ISD)	$ N/A
County staff (existing).....	$ N/A
County staff (net new)	$ N/A
Sub-total one-time County costs:	**$** N/A

Ongoing annual costs:

Hardware.....	$ N/A
Software.....	$ N/A
Services (ISD).....	$ N/A
Services (Contractor)	$ N/A
County staff (existing).....	$ N/A
County staff (net new)	$ N/A
Sub-total ongoing County costs:	**$** N/A

Total one-time costs:	**$** 3,781,000
Total ongoing annual costs:	**$** N/A

The purchasing of this communications gateway will be funded through ISD's Fiscal Year 2011-12 operating budget, and will be fully reimbursed under the Urban Areas Security Initiative grant. Recurring maintenance costs for this equipment will not significantly impact CWIRS operating costs. CWIRS costs are funded by client departments.

Risk analysis	RISK MITIGATION: 1. Because this gateway is a commercial-off-the-shelf product (not a custom product), and ISD will be using expert professional implementation services, the risk to this project is relatively low. In order to mitigate operational risks, ISD will develop a detailed test plan and executed detailed test scripts before signing off and accepting the system. 2. The County's Chief Information Security Officer reviewed this project and did not identify any security risks or issues.
CIO Approval	PREPARED BY: Henry Balta — 3/29/12 Name, Sr. Associate CIO — Date APPROVED: Richard Sanchez — 4-3-12 Richard Sanchez, County CIO — Date

Please contact the Office of the CIO (213.253.5600 or info@cio.lacounty.gov) for questions concerning this CIO Analysis. This document is also available online at http://ciointranet.lacounty.gov/