

PLACER COUNTY
ADMINISTRATIVE SERVICES DEPARTMENT

MEMORANDUM

TO: Honorable Board of Supervisors

FROM: Clark L. Moots, Director of Administrative Services *CLM*
Jerry Gamez, Information Technology Manager *JG*

DATE: March 11, 2008

SUBJECT: Recommendation to Approve the Sole Source Award of Phase III, Step A of the Countywide Interoperable Radio Network Project in the Amount of \$3,460,294 to Motorola, Inc.

ACTION REQUESTED

Approve the sole source award of Phase III, Step A of the Countywide Interoperable Radio Network Project in the amount of \$3,460,294 to Motorola, Inc. for the purchase of digital radio infrastructure; authorize the Purchasing Manager to sign the resulting contracts with Motorola Inc. upon County Counsel approval; approve a modification to the Sheriff Department's Master Fixed Asset List in the amount of \$523,000 to the appropriate accounts within the Public Safety Fund – COPS Grant; approve two Budget Revisions in the amount of \$1,339,294 and \$1,598,000 to the appropriate accounts within the Countywide Systems Fund and Sheriff Department's budget units respectively; add the appropriate components to the Master Fixed Asset List; and authorize the Director of Administrative Services, the Sheriff-Coroner-Marshal and the Purchasing Manager to take all other actions necessary to implement the project.

CURRENT ISSUE

This action will allow for the first (Step A) of five steps in the implementation of Phase III of the Countywide Interoperable Radio Network Project to begin. This five-step approach to implement Phase III of the Countywide Interoperable Radio Network Project is consistent with the Strategic Plan approved by your Board in 2003 and provides Placer County with the ability to migrate its present legacy radio systems onto a new digital radio platform in a fiscally responsible manner. In addition, the five-step approach will demonstrate the County's commitment to deploy and meet the FCC's requirements for our VHF radio frequencies.

FISCAL IMPACT

The acquisition of the Phase III, Step A equipment in the amount of \$3,460,294 will be funded by a combination of Federal Grants/Earmarks and the Countywide Systems Fund as outlined in the attached Step A Implementation Funding Summary. The Grant awards are reimbursement type grants. Two budget revisions in the amount of \$1,339,294 and \$1,598,000 are attached to support this purchase.

PLACER COUNTY

ADMINISTRATIVE SERVICES DEPARTMENT

MEMORANDUM

TO: Honorable Board of Supervisors

FROM: Clark L. Moots, Director of Administrative Services *CLM*
Jerry Gamez, Information Technology Manager *JG*

DATE: March 11, 2008

SUBJECT: Recommendation to Approve the Sole Source Award of Phase III, Step A of the Countywide Interoperable Radio Network Project in the Amount of \$3,460,294 to Motorola, Inc.

RECOMMENDATION

Approve the sole source award of Phase III, Step A of the Countywide Interoperable Radio Network Project in the amount of \$3,460,294 to Motorola, Inc. for the purchase of digital radio infrastructure; authorize the Purchasing Manager to sign the resulting contracts with Motorola Inc. upon County Counsel approval; approve a modification to the Sheriff Department's Master Fixed Asset List in the amount of \$523,000 to the appropriate accounts within the Public Safety Fund – COPS Grant; approve two Budget Revisions in the amount of \$1,339,294 and \$1,598,000 to the appropriate accounts within the Countywide Systems Fund and Sheriff Department's budget units respectively; add the appropriate components to the Master Fixed Asset List; and authorize the Director of Administrative Services, the Sheriff-Coroner-Marshall and the Purchasing Manager to take all other actions necessary to implement the project.

BACKGROUND

On February 4, 2003, your Board approved the Countywide Radio Network Strategic Plan. This plan is a three-phased approach to implement a new Countywide Interoperable Radio Network to replace the County's current 36 legacy radio systems. These systems are non-integrated, have limited functionality, and are at the end of their life-cycle.

The Countywide Interoperable Radio Network Project is technologically challenging, administratively complex and will require approximately \$22,000,000 in infrastructure improvements and \$4,000,000 in new end user radio equipment. It is expected that this project will be completed over a several year period from its inception to its full implementation. A common communications system among and between public safety agencies, including federal, state and local agencies, is essential to effectively protect and serve the citizens of Placer County.

Phase I involved developing and adopting a strategy, acquiring the necessary frequencies, conducting a detailed engineering study and upgrading key tower facilities. The cost to implement this phase was \$1,500,000.

Phase II consisted of upgrading the Sheriff's Emergency 911 Dispatch Centers (Auburn and Lake Tahoe), expanding the Dewitt Comm/IT Facility to accommodate the relocation of the Dewitt Radio Infrastructure and Tower, identifying State and Federal funding support and obtaining agreement on the agency cost sharing and charge back methodology plan. The cost to implement this phase was \$1,700,000.

Phase III is currently underway and consists of constructing and testing the digital radio network, implementing the new technology at the local agency level, and managing and maintaining the new network.

PROBLEM STATEMENT

During the past five years, Placer County has made significant progress in the completion of Phase I and II of the Strategic Plan with support from Congressional Earmarks obtained with the assistance of Congressman John Doolittle. Phase I and II funding sources included the U.S. Department of Justice Community Oriented Policing Services (COPS) Technology Grant Program, the Department of Homeland Security Grant Program, the Countywide Systems Fund and the County Building Fund.

However, federal funding sources have experienced a significant decrease over the past several years due to competing federal priorities. Because of the cost and magnitude of the project and the current lack of available funding within the federal and local government budgets, it has been determined that Phase III cannot be fully implemented in a single step.

In order to address this issue, the Administrative Services Department (Department) was directed by the County Executive Office to develop a five-step plan for implementation of Phase III of the Countywide Interoperable Radio Network Project. The five-step approach to implement Phase III of the Countywide Interoperable Radio Network Project is consistent with the Strategic Plan approved by your Board in 2003 and provides Placer County with the ability to migrate its present legacy radio systems onto a new digital radio platform in a fiscally responsible manner.

In addition, the five-step approach will demonstrate the County's commitment to deploy and meet the FCC's requirements for our VHF frequencies in a Project 25 (P25) Trunking environment. Project 25 is the new Federal Radio Standard that sets the equipment standards to provide greater public-safety interoperability opportunities and was established by a joint effort between the Federal Communications Commission (FCC) & the Association of Public Safety Communications Officers Organization (APCO).

Under Phase I of the Countywide Interoperable Radio Network Project, Placer County purchased three sets of VHF wideband frequencies and the FCC approved their use to support the project. The initial investment to acquire these frequencies was \$668,000 and included 10 Maritel frequencies and 12 Radio Common Carrier (RCC) Paging frequencies. The County's proactive approach to acquire these frequencies in the initial phase of this project has resulted in our ability to plan for the deployment of an interoperable radio solution and obtain these frequencies at a much lower cost. Today the estimated value to obtain similar frequencies is \$1.8 million.

Placer County's FCC build out date for these frequencies is February 2009 and as the build out date has approached, the Department has worked diligently with our FCC Attorneys, Fletcher, Heald & Hildreth

P.L.C., to ensure the appropriate extension requests were submitted and approved by the FCC pending the implementation of the new digital radio network. The FCC prohibits agencies from warehousing frequency spectrum. In other words, agencies assigned frequencies by the FCC must utilize these frequencies within their approved build out guidelines.

Under current FCC rules and regulations, no further extensions beyond the February 2009 date will be granted. Therefore, in an effort to avoid the FCC terminating the use of these frequencies beyond the build out date, it is imperative that we implement a plan to utilize these frequencies based on the FCC licensing guidelines prior to the February 2009 deadline. The fiscal impact associated with any termination action taken by the FCC towards the use of these frequencies is estimated at \$1.8 million based on the appreciated value.

In addition, the proposed five-step approach will provide participating agencies with the ability to test multiple subscriber units in a "live environment" and provide the County with a viable roadmap towards interconnectivity between other P25 systems defined as the "Systems to Systems" approach thus increasing the County's opportunity for obtaining additional grant funding.

The Five-Step Phase III Implementation Plan is defined as follows:

- Step A - Master Site/Dewitt Radio Site/Dispatch Upgrade
- Step B - West Basin Simulcast/Network Monitoring System
- Step C - I-80 Corridor Simulcast/Intelli-site Repeaters
- Step D - Tahoe Basin Simulcast
- Step E - OES Conventional Analog System/Spare Kit

In 2003, the Procurement Services Division released Request For Information (RFI) No. 9085 in an effort to develop a list of qualified firms who could deliver a complete countywide, multi-site, VHF, Project 25 compliant, digital trunking system solution. The results of the RFI identified Motorola, Inc. as the only qualified firm to provide a Countywide Interoperable Radio Network solution. Section 1.3 (l) of the Purchasing Policy Manual provides for the sole source procurement of a commodity or service which can only be purchased from one supplier, usually because of its technological, specialized, or unique character.

Subsequently, the Department entered into an agreement with Motorola to develop a Detailed Design Study to identify the necessary equipment and services required to implement a Countywide Interoperable Radio Network solution. Motorola identified and proposed a \$15,194,801 solution for all equipment and services associated with implementing Phase III under a single step.

On January 25, 2008, County staff requested a revised proposal in the amount of \$3,460,294 from Motorola, Inc. to implement Phase III, Step A. Motorola's proposal is based on the Western States Contracting Alliance (WSCA) contract pricing.

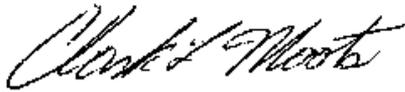
In order to move forward with the implementation of Phase III, Step A of the Countywide Radio Strategic Plan, protect our VHF Frequency Investment and provide a platform for implementing the final phase in a fiscally sound manner, your Board's approval is being requested. Efforts to secure federal and state

funding for the implementation of Steps B through E will continue and the implementation of these steps would be contingent upon available funding and future approval by your Board.

FISCAL IMPACT

Funds for the acquisition of Phase III, Step A in the amount of \$3,460,294 are included in the Public Safety Interoperable Communication Grant (\$647,000), FY05 Community Oriented Policing Services Grant (\$373,000), FY06 Community Oriented Policing Services Grant (\$150,000), FY07 Homeland Security Grant (\$67,000), FY08 Federal Earmark (\$1,598,000) and the Countywide Systems Fund (\$625,294) as outlined in the attached Step A Implementation Funding Summary. The Grant awards are reimbursement type grants. Two budget revisions in the amount of \$1,339,294 and \$1,598,000 are attached to support this purchase.

Respectfully submitted,



Clark L. Moots
Director of Administrative Services

Cc: Richard E. Colwell, Chief Assistant County Executive Officer
Edward Bonner, Sheriff-Coroner-Marshal
Rui Cunha, Emergency Services Program Manager
Jim Boggan, Purchasing Manager

Attachments

**ADDITIONS TO MASTER FIXED ASSET LIST
COUNTYWIDE SYSTEMS FUND
303010**

<u>QTY</u>	<u>DESCRIPTION</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>
1	Countywide Radio Project Phase III, Step A Comprised of the Master Site Equipment, Dewitt Radio Infrastructure & Dispatch Upgrades.	\$1,339,294	\$1,339,294
Total Fixed Asset Additions			\$1,339,294

**MODIFICATIONS TO MASTER FIXED ASSET LIST
SHERIFF DEPARTMENT'S PUBLIC SAFETY SYSTEMS FUND
110/20000**

<u>QTY</u>	<u>DESCRIPTION</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>
3	Antenna Towers	(\$ 50,000)	(\$150,000)
1	Microwave System	(\$265,000)	(\$265,000)
16	Mobile Data Computer (MDC)	(\$6,750)	(\$108,000)
1	Countywide Radio Project Phase III, Step A Comprised of the Master Site Equipment, Dewitt Radio Infrastructure & Dispatch Upgrades.		\$2,121,000
Total Fixed Asset Additions			\$1,598,000

Countywide Interoperable Radio Network Project

Phase III, Step A
Implementation Funding Strategy

Item Description	Est. Cost	Grant	Countywide Systems Fund	Total
Step A				
Master Site/Dewitt Radio Site/Dispatch Upgrade	\$ 3,460,294			\$3,460,294
- PSIC Grant & 20% Matching Requirement (CSF FY06/07)		\$647,000	\$129,400	(\$776,400)
- FY05 COPS Technology Grant		\$373,000		(\$373,000)
- FY06 COPS Technology Grant		\$150,000		(\$150,000)
- FY07 Homeland Security Grant		\$67,000		(\$67,000)
- FY07/08 Countywide System Fund			\$495,894	(\$495,894)
- FY08 Federal Earmark/House Appropriations		\$1,598,000		(\$1,598,000)
Sub Total	\$ 3,460,294	\$2,835,000	\$625,294	\$0

FISCAL IMPACT STATEMENT

TO: Honorable Board of Supervisors

FROM: Clark L. Moots, Director of Administrative Services *CLM*

DATE: March 11, 2008

SUBJECT: **Fiscal Impact Statement**
Recommendation to Approve the Sole Source Award of Phase III, Step A of the Countywide Interoperable Radio Network Project in the Amount of \$3,460,294 to Motorola, Inc.

Funds for the acquisition of Phase III, Step A in the amount of \$3,460,294 are included in the Public Safety Interoperable Communication Grant (\$647,000), FY05 Community Oriented Policing Services Grant (\$373,000), FY06 Community Oriented Policing Services Grant (\$150,000), FY07 Homeland Security Grant (\$67,000), FY08 Federal Earmark (\$1,598,000) and the Countywide Systems Fund (\$625,294) as outlined in the attached Step A Implementation Funding Summary. The Grant awards are reimbursement type grants. Two budget revisions in the amount of \$1,339,294 and \$1,598,000 are attached to support this purchase.

PLACER COUNTY

BUDGET REVISION

PAS DOCUMENT NO.

POST DATE:

DEPT NO.	DOC TYPE	Total \$ Amount	TOTAL LINES
10	BR	2,678,588.00	4

Cash Transfer Required

Reserve Cancellation Required

Establish Reserve Required

Auditor-Controller

County Executive

Board of Supervisors

ESTIMATED REVENUE ADJUSTMENT										APPROPRIATION ADJUSTMENT											
DEPT NO.	T/C	Rev	Fund	Sub Fund	OCA	PCA	OBJ 3	PROJ	PROJ. DTL	AMOUNT	DEPT NO.	T/C	Rev	Fund	Sub Fund	OCA	PCA	OBJ 3	PROJ.	PROJ. DTL	AMOUNT
10	006		250		303010		8780			67,000.00	10	014		250		303010		4451			1,339,294.00
											10	015		250		303010		2840			1,000,000.00
											10	015		250		303010		2555			272,294.00
TOTAL										67,000.00	TOTAL										2,611,588.00

REASON FOR REVISION: To add Homeland Security Grant dollars (\$67,000) to the Countywide Systems Fund for the Countywide Radio Project and adjust current appropriated dollars within the Countywide Radio Fund to Obj 3 4451, Fixed Asset Purchase, to accommodate Phase III, Step A of the Countywide Interoperable Radio Network Project for Master Site Equipment, Dewitt Radio Infrastructure & Dispatch Upgrades.

Prepared by Sandy Hammock Ext 4226
 Department Head *[Signature]*
 Board of Supervisors _____

Date: 2/8/08
 Page: _____

Budget Revision # _____ FOR INDIVIDUAL DEPT USE

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PLACER COUNTY
BUDGET REVISION

PAS DOCUMENT NO.

Attachment II

[Signature] Auditor-Controller

[Signature] County Executive

Board of Supervisors

- Cash Transfer Required
- Reserve Cancellation Required
- Establish Reserve Required

Dept No.	Doc Type	Total \$ Amount	Total Lines
20	BR	3,196,000.00	3

ESTIMATED REVENUE ADJUSTMENT								APPROPRIATION ADJUSTMENT									
Dept No.	T Code	Rev	OCA	PCA	OBJ L-3	Proj. No.	G/L Sub GL	AMOUNT	Dept No.	T Code	Rev	OCA	PCA	OBJ L-3	Proj. No.	G/L Sub GL	AMOUNT
20	006		COPSRD	02412	7459			1,598,000.00	20	014		COPSRD	03222	4451			1,598,000.00
TOTAL								1,598,000.00	TOTAL								1,598,000.00

REASON FOR REVISION: To appropriate for the U.S. Department of Justice for Community Oriented Policing Services Grant (COPS)
 Technology Earmark for Phase III of the Radio infrastructure nad Upgrade project.

Distribution:
 All copies to Auditor
 Rev 9/14/98

Department Head *Barbara Besan*
 Board of Supervisors _____
 Auditor-Controller _____

Date: 2/26/08
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 Budget Revision # _____

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