



County of Santa Cruz

Sheriff-Coroner

701 Ocean Street, Suite 340, Santa Cruz, CA 95060
(831) 454-2440 FAX : (831) 454-2353

Mark Tracy
Sheriff-Coroner

January 24, 2002

Agenda: February 5, 2002

Board of Supervisors
County of Santa Cruz
701 Ocean Street, Room 500
Santa Cruz, California 95060

RE: Authorization to sign a contract for the Sheriff's Wireless Data Communications System

Dear Members of the Board:

On February 27, 2001, your Board approved the release of a request for proposal (RFP) for selecting a vendor for a Sheriff's Mobile Data Communications System. The vendor selection process for this system included the consulting services of Public Safety Consultants, Inc., CSI Telecommunications Engineers as well as evaluation by a team comprised of members of the Sheriff's Office, County Administrative Office, County Radio and the 911 Center staff. As a result of this selection process, Motorola was selected as the preferred vendor and contract negotiations began in late October 2001. This letter is to provide your Board with background information regarding the project and request authorization for the Sheriff-Coroner and the Purchasing Division to enter into and sign a contract with Motorola in the amount of \$1,231,154.80, which provides for the purchase and installation of a Sheriff's Wireless Data Communications System.

The Project

The purpose of the wireless data communications project is to bring computer aided dispatch (CAD), car-to-car communication, criminal data, and report writing to the Deputies in the field. Computers in the cars will provide Deputies with tools to check information regarding license plates, driver's licenses, warrants and warrants, as well as receiving timely location and suspect-specific information. This data is valuable to a Deputy before they enter a home, stop a car or make an arrest. Deputies need quick information for optimum response time. Computers in cars will enable the Deputies to retrieve information immediately, without time-consuming radio traffic or telephone calls to dispatch or records clerks. This will save time currently lost in waiting for airtime, calling in a request, and waiting while someone else completes the routine look-up. Deputies will have more control over what information they check and how frequently. Priority based dispatch information will be transmitted directly from a call taker in the dispatch center to a Deputy in the field, significantly reducing the amount of handling of incident information. This will also reduce radio traffic, allowing higher priority

calls to be handled in a safer manner. Deputies will also be able to communicate with each other and with dispatch in a voiceless environment during investigations requiring secure communications.

The project is comprised of three parts or phases. Phases One and Two are covered by the Motorola contract. Phase One, Radio Infrastructure, provides for installation of receivers, transmitters and base stations at seven sites, to send data via a secure radio frequency to the patrol cars. Phase Two, Computer Hardware & Software, includes installation of modems, antennae, computers and software in 33 patrol cars, which will access, send and receive data. Phase Three, Computer Software, will result in installation of report writing and inquiry software, which will allow deputies to initiate reports and access local databases from patrol cars. (Phase Three must coincide with the installation of new Records and Detention management systems.)

The project is distinct from the existing Sheriff's radio dispatch operations and from the 9-1-1 emergency response systems in that it is data vs. voice driven. The new computer-aided system is intended to support and enhance these existing radio systems, not replace them. These systems will remain intact, in that they ensure 95% total radio coverage of the county and essential emergency communications. The new data communications system is more limited in range than existing voice radio coverage. It is intended to assist Deputies driving within the major urban corridors of the County. The vendor has designed the exact location of base stations to ensure tower, antenna, transmitter and receiver equipment be installed in accordance with the newly adopted ordinance regulating such facilities.

Approximately 85 Patrol Lieutenants, Sergeants and Deputies will access these fixed computers, in the Sheriff's fleet of 33 patrol cars. It is our intention to build upon this core system using future grant funds, to provide deputies with access to allied agencies, crime reports, fingerprints and photo images from patrol cars.

The Vendor

The RFP process for this project received proposals from four different vendors. The comprehensive evaluation process scored vendors proposals in content, design and engineering. Additionally, a team of "end users" evaluated vendor's equipment and software. In each area of evaluation, Motorola's proposal ranked the highest. As a vendor, Motorola has a history of successfully winning and completing contracts with the County of Santa Cruz and this relationship has proven valuable in contract negotiations.

Funding

The cost of implementing Phases One and Two of this system includes hardware, software and interface programming to link local and national databases, dispatch and the County mainframe, to patrol officers out in the field. During the 2001-02 budget hearings, your Board approved an initial project cost estimate of \$1,240,778, excluding contingencies. In order to finance the project, your Board also approved \$1,248,178 from various revenue sources including several technology grants and \$484,247 from the County Technology Fund. At this time, it is estimated that project costs which include the proposed contract with Motorola, professional consulting services, vehicle retrofits, installation of telecommunication lines, and staffing costs total \$1,336,809.80. Due to the magnitude of this project, the addition of an eight percent project contingency is recommended and will bring

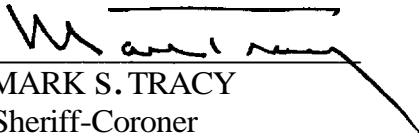
total project costs to **\$1,443,754.80**. The **\$195,577** in additional revenue needed to meet revised project costs and to adjust for minor changes in actual grant amounts received is available in the County Technology Fund for Sheriff technology projects as provided for in the attached transfer of funds, thus leaving a balance of **\$183,366** in this fund for technology projects that the department **plans** to implement in the future.

In summary, the Sheriffs Office, in cooperation with other County departments, consultants, and Motorola has completed the groundwork necessary, in the form of the attached contract, to implement a successful wireless data communications system for the Santa Cruz County Sheriff. Our efforts are intended to get the best system for the Sheriffs Office, while embracing the opportunity for eventual radio data communication exchange with other police departments. Our office **looks** forward to this opportunity to provide Deputies with the technology and equipment they need to provide increased safety and security to the community.


Therefore, it is RECOMMENDED that your Board:

1. Authorize the Sheriff-Coroner and the Purchasing Division to enter into and sign a contract with Motorola, which provides for the purchase and installation of a Sheriff's Wireless Data Communications System for the amount of **\$1,231,154.80**; and
2. Approve the purchase of various **fixed** assets as detailed in the contract (attached); and
3. Approve the attached requests for transfers of appropriation to purchase technology upgrades and to properly align costs with appropriate expense accounts (AUD **74** attached).

Very truly yours,


 MARK S. TRACY
 Sheriff-Coroner

RECOMMENDED:


 Susan A. Mauriello
 County Administrative Officer

W/ ATTACHMENTS

cc: Auditor Controller
 Information Services Department
 Santa Cruz Consolidated Emergency Communications Center
 Sheriff-Coroner
 General Services Department

COUNTY OF SANTA CRUZ
 REQUEST FOR TRANSFER OR REVISION
 OF BUDGET APPROPRIATIONS AND/OR FUNDS

Department: County Administrative Office

Date: 2-1-02

TO: **Board of Supervisors / County Administrative Officer / District Board**

I hereby request your approval of the following transfer of budget appropriations and/or funds in the fiscal year ending June 30, ~~19~~ 2002

AUDITORS USE ONLY			
DOCUMENT #	AMOUNT	L/N	T/C HASH
JE 6			0,4,3

BATCH #	
DATE	Keyed By:

T/C	INDEX	SUBJECT	USER CODE	AMWNT	ACCOUNT DESCRIPTION *
0,2,1	6,6,1,0,0,0	3,6,6,5		1,9,5 5,7,7,0,0	Professional Services
0,2,2	1,9,0,0,0,0	9,6,9,5		1,9,5 5,7,7,0,0	Technology & Productivity Fund

Explanation: **Transfer of Funds from the Technology and Productivity Fund to the Sheriff's Office for implementation of a Xobile Data Computer Program.**

Name, _____

Title County Administrative Office

Auditor-Controller's Action: I hereby certify that unencumbered balance(s) is/are available in the appropriations/funds and in the amounts indicated above.

Auditor-Controller, by _____, Deputy Date _____

County Administrative Officer's Action: Recommended to Board Approved Not Recommended or Approved

County Administrative Officer _____ Date _____

State of California }
 ss. County of Santa Cruz } As the Clerk of the Board of Supervisors of the County of Santa Cruz, I do hereby certify that the foregoing request for transfer was approved by said Board of Supervisors as recommended by the County Administrative Officer by an order duly entered in the minutes of said Board on

_____, 19____, By _____, Deputy Clerk

(A-C)* Desc: _____ Item: Budget Transfer

A-C Review		

Distribution: BRD. NAME AGENDA DATE ITEM NO.
 White-Board of Supervisors Green-County Administrative Officer Goldenrod-Departmental Control Copy
 Yellow-Auditor-Controller Pink-Originating Department

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COUNTY OF SANTA CRUZ
REQUEST FOR TRANSFER OR REVISION
OF BUDGET APPROPRIATIONS AND/OR FUNDS

Department: Sheriff-Coroner

Date: 1/24/02

To: Board of Supervisors / County Administrative Officer / District Board

I hereby request your approval of the following transfer of budget appropriations and/or funds in the fiscal year ending June 30, 2002

AUDITORS USE ONLY table with columns: DOCUMENT #, AHWNT, L/N, T/C HASH. Row 1: 6, .

Table with columns: BATCH #, DATE, Keyed By.

Main table with columns: T/C, INDEX, SUBOJECT, USER CODE, AMOUNT, ACCOUNT DESCRIPTION *. Rows include T/C 0,2,1 and 0,2,2 with 'See Attached' notes.

Explanation:

See Attached

Name: S. Robbins, Chief Deputy Title: Sheriff-Coroner

Auditor-Controller's Action: I hereby certify that unencumbered balance(s) is/are available in the appropriations/funds and in the amounts indicated above.

Auditor-Controller, by Alex J. Vily, Deputy Date 1/25/01

County Administrative Officer's Action: [] Recommended to Board [] Approved [] Not Recommended or Approved

County Administrative Officer _____ Date _____

State of California } ss. As the Clerk of the Board of Supervisors of the County of Santa Cruz, I do hereby certify that the foregoing request for
County of Santa Cruz } transfer was approved by said Board of Supervisors as recommended by the County Administrative Officer by an order
duly entered in the minutes of said Board on

_____, 19____, By _____, Deputy Clerk

(A-C)* Desc: _____ Item: - Budget Transfer

A-C Review table with 3 columns and 2 rows.

Distribution: BRD. NAME AGENDA DATE ITEM NO.
Whits-Board of Supervisors Gram-County Administrative Officer Goldenrod-Departmental Control Copy
Yellow-Auditor-Controller Fink-Originating Department

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FROM:

<u>T/C</u>	<u>Index</u>	<u>Sub-object</u>	<u>Description</u>	<u>Amount</u>
22	661100	8404	Fixed Assets	\$990,588.00

TO:

<u>T/C</u>	<u>Index</u>	<u>Sub-object</u>	<u>Description</u>	<u>Amount</u>
21	661100	3665	Professional Services	\$990,588.00

Explanation:

Transfer of appropriations to purchase technology upgrades and to properly align costs with appropriate expense accounts.

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COUNTY OF SANTA CRUZ
REQUEST FOR APPROVAL OF AGREEMENT

TO: Board of Supervisors
County Administrative Office
Auditor Controller

FROM: Sheriff - Coroner (Department)
BY: S. Robinson (Signature) 2-1-02 (Date)
Signature certifies that appropriations/revenues are available

AGREEMENT TYPE (Check One) Expenditure Agreement [X] Revenue Agreement []

The Board or Supervisors is hereby requested to approve the attached agreement and authorize the execution of same.

1. Said agreement is between the Sheriff-Coroner (Department/Agency)
and Motorola 3145 Porter Drive, Building C, Palo Alto, CA 94304 (Name/Address)

2. The agreement will provide Purchase and installation of a Sheriff's Wireless Data Communications System

3. Period of the agreement is from 2/15/02 to 12/31/02

4. Anticipated Cost is \$ 1,231,154.80 [] Fixed [] Monthly Rate [] Annual Rate [X] Not to Exceed
Remarks:

5. Detail: [] On Continuing Agreements List for FY - , Page CC- Contract No: OR [X] 1st Time Agreement
[] Section II No Board letter required, will be listed under Item 8
[] Section III Board letter required
[] Section IV Revenue Agreement

6. Appropriations/Revenues are available and are budgeted in 661100 (Index) 3665 (Sub object)

NOTE: IF APPROPRIATIONS ARE INSUFFICIENT, ATTACHED COMPLETED AUD-74 OR AUD-60

Appropriations are available and have been encumbered. Contract No:
are not will be encumbered. By: Date:
Auditor-Controller Deputy

Proposal and accounting detail reviewed and approved. It is recommended that the Board of Supervisors approve the agreement and authorize
Sheriff's Office (Dept/Agency Head) to execute on behalf of the County of
Santa Cruz (Department/Agency)

Date: By:
County Administrative Office

Distribution: Board of Supervisors - White State of California
Auditor Controller - Canary County of Santa Cruz
Auditor-Controller - Pink I ex-officio Clerk of the Board of Supervisors of the County of Santa Cruz,
Department - Gold State of California, do hereby certify that the foregoing request for approval of agreement was ap-
proved by said Board of Supervisors as recommended by the County Administrative Office by an
order duly entered in the minutes of said Board on 20
ADM - 29 (8/01) Title I, Section 300 Proc Man BY: Deputy Clerk

AUDITOR-CONTROLLER USE ONLY
Table with columns: CO, Document No., JE Amount, Lines, H/TL, Keyed By, Date, TC110, Auditor Description, Amount, Index, Sub object, User W e