



MARIN COUNTY SHERIFF'S OFFICE

3501 Civic Center Drive, Room 145, San Rafael, CA 94903

ROBERT T. DOYLE
Sheriff - Coroner
TIMOTHY J. LITTLE
Undersheriff

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JUN 29 2011

MARIN COUNTY PUBLIC WORKS

June 23, 2011

AREA CODE 415

24-HOUR NUMBER
473-7233

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473-4126

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473-7250

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473-7282

COMMUNICATION
SERVICES
473-7243

CORONER
473-6043

COURTS
473-7393

EMERGENCY
SERVICES
473-6584

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JAIL
473-6655

MAJOR CRIMES
TASK FORCE
884-4878

PATROL
473-7233

RECORDS
473-7284

WARRANTS
473-7297

Farhad Mansourian
Director of Public Works
County of Marin
3501 Civic Center Drive
San Rafael, CA 94903-4189

Re: Critical Need to Replace MERA's Radio Amplifier System Located in County Jail

Dear Mr. Mansourian: *Farhad*

In December, 2008, MERA hired a consultant, DELTAWRX, to make recommendations to the MERA Board and Operations Committee regarding system coverage and system capacity issues that were experienced during the winter storms and flooding of 2005 and 2008. One of the recommendations included the implementation of additional channels on the East and West Trunked cells. Two additional channels were added on the East Cell, one additional channel was added to the West cell and one additional channel was added to the Sonoma Cell.

The channel expansion project has been completed and, as a result of the addition of new channels, intermittent coverage issues have been identified within the confines of the Jail. The intermittent coverage happens when the trunked system computer allocates one of the newly added expansion radio channels. These channels have not been added to MERA's amplifier system, located in the County Jail, which is used to reach those areas in the building which do not have adequate trunked system coverage. The amplifier system was not replaced as part of the trunked system upgrade and needs to be upgraded to accommodate the additional radio channels added during the system expansion.

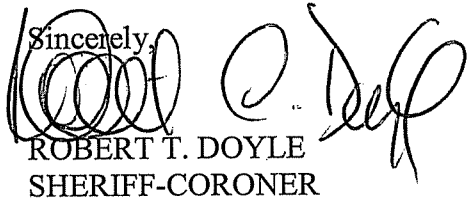
The Department of Public Works Communications Division has solicited informal quotes for a replacement unit. It is recommended that we use the same manufacturer as the present unit for system compatibility. The Communications Division also had inquired as to whether the present unit could be modified to meet the new requirements. Unfortunately, this is not possible, and the unit needs to be replaced to accommodate

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the additional channels. The estimated cost to replace the Jail Amplifier System is approximately \$47,000 and the Department of Public Works Communications Division can facilitate the installation at an estimated cost of approximately \$2,268. We recommend that this be implemented as soon as possible.

Sincerely,

ROBERT T. DOYLE
SHERIFF-CORONER

RTD:sjb