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2009 APR 16 PM 1:07

CITY OF OAKLAND
AGENDA REPORT

CITY OF OAKLAND
Agenda Report

To: Office of the City Administrator
Attn: Dan Lindheim
From: Fire Department
Date: April 28, 2009

Re: Resolution Authorizing The City Administrator Or His Designee To Apply For, Accept, Appropriate And Administer Grant Funding In An Amount Up To \$1,300,000 From The U.S. Department Of Homeland Security Public Safety Interoperable Communications Grant (PSIC) For Emergency Communications Enhancements That Will Move The City Of Oakland Towards P-25 Full Compliance And Interoperability, And To Purchase Materials, Equipment And Services In Any Amount, Including Purchases In Excess Of The City Administrator's Purchasing Authority, Without Further Council Review Or Action Provided The Contracts Are Awarded Through Competitive Solicitation And Are In Accord With Oakland's Purchasing Programs/Policies

SUMMARY

This report provides the City Council with background information on the Public Safety Interoperability Grant program and requests that the City Council approve this report and resolution authorizing the City Administrator or his designee to apply for, accept, appropriate and administer grant funding in an amount not to exceed \$1,300,000 from the U.S. Department of Homeland Security Public Safety Interoperable Communications (PSIC) grant for emergency communications enhancements that will move the City of Oakland towards P-25 full compliance and interoperability. The resolution would also authorize the City Administrator to award contracts for the purchase of materials, equipment and services needed for the communications enhancements referenced in this report without further Council review or action, provided the City's bidding, request for proposal/qualifications and purchasing programs/policies are followed and the amount is no greater than the grant appropriation.

The Department of Homeland Security Public Safety Interoperable Communications (PSIC) grant award will allow for the acquisition, integration and deployment of communications infrastructure that will allow emergency communication systems, including Police and Fire, to communicate effectively and more uniformly with each other.

FISCAL IMPACT

Approval of the resolution authorizes the acceptance, appropriation and administration of up to \$1,300,000 in U.S. Department of Homeland Security Public Safety Interoperable

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Communications (PSIC) grant funds to the Oakland Fire Department, Office of Emergency Services. The PSIC grant funds will be appropriated to Emergency Services Program Organization 20711, Homeland Security Fund (2123), account, project and program to be determined.

The grant has a cash match requirement of 20%. Under this requirement, the City is obligated to identify and secure \$260,000 in cash match funding. If the allocation is approved the matching funds of \$260,000 will be met by the City of Oakland, Department of Information Technology's Radio Fund (4200), Network Engineering and Maintenance Organization 46241, Telephone Supplies and Materials Account 52513, Project 0000000, Program IP68.

Proposed Spending Plan for Grant Funding Amount up to \$1,300,000

<i>Item</i>	<i>Quantity</i>
Catalyst 2960 Ethernet Switch	1
Network Sentry	1
Cisco 2811 Integrated Services Router	1
Mastr III P25 Digital Base Station – The MASTR III P25 provides secure digital trunked communications for mission critical applications.	5
Site Pro Controller - The addition of a SitePro Controller provides the capability of delivering Internet Protocol (IP)System Controller	5
Transmit Synth Module - MASTR III Module for Transmission	5
Receiver Synth Module – MASTR III Module for Receiving	5
Receiver Front End	5
Receiver IF Module – Receiver Intermediate Frequency Module	5
System Module	5
DSP Module – Digital Signal Processing Module for Analog signal conversion and processing	5
AC Power Module	5
EA 101292V1 (Power AMP)	5
19C336861-P2 (Sniffer)	5
Frequency Reference	5
<i>Total Cost of System</i>	<i>\$1,300,000*</i>

*Note: Equipment listed is part of package and not proposed for individual purchase.

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The estimated cost for the City to achieve interoperable communication via the P-25 network is approximately \$7.5 million. To date, one site has been upgraded to P-25 capability and two more sites remain to be upgraded. The City is actively seeking external, non-1010 funding sources to support this endeavor and to date, as a result of successfully securing UASI grant funds during the past three years, no General Purpose funds have been utilized for this purpose.

The grant allows for 3% covering grant management and administration expenses that will be utilized by the Regional Urban Area Security Initiative (UASI) management team that will be responsible for regional grant coordination and oversight. Management and administration expenses are also subject to the match requirement under this grant. There may be approximately 1% or \$10,300 costs for purchasing fees that may be part of the project costs that we were not able to determine as the actual formula/rates had not been established at the time of this report.

BACKGROUND

Due to the passage of the Deficit Reduction Act of 2005 the National Telecommunications and Information Administrations (NTIA), in consultation with the Department of Homeland Security (DHS), has made available approximately \$1 billion grant program funds to assist public safety agencies in the acquisition of, deployment of, or training for the use of interoperable communications systems and to provide funding to assist first responders in enhancing or to enable interoperability with communications systems. The funding is made available through the Department of Homeland Security Public Safety Interoperable Communications (PSIC) grant. The Fire Department, Office of Emergency Services, desires to apply for up to \$1,300,000 for the purpose of enhancing first responder communications systems and developing interoperable communications systems within the City, which is readily available and accessible regionally on a multi-jurisdictional and multi-disciplinary basis, with the ultimate goal toward statewide interoperability. The City of Oakland proposal for interoperable communications system was developed with the input of law enforcement, fire, emergency medical service (EMS) and other public safety service organizations within the City of Oakland.

To ensure an enhanced communications system that works within the City of Oakland, and also meets regional needs, meetings were held between the County stakeholder and other cities' stakeholders, including but not limited to Police, Fire and Information Technology.

KEY ISSUES AND IMPACTS

Public safety agencies have always recognized the need to communicate, not only in day-to-day activities among their departments, but also with their neighbors, and others outside agencies, for those emergencies which require a multi-agency and multi-jurisdictional response. Over time, radio frequencies have progressed from those that were constrained to a few radio bands to manufacturers producing proprietary communication systems and the Federal Communications

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Commission (FCC) making new radio bands available. As a result of the various technologies and multiple radio bands it is not uncommon to face problems in engaging in radio communication across departments, even within a single city.

For example, prior disaster experiences, such as the 1989 Loma Prieta earthquake and the catastrophic 1991 Oakland/Berkeley Hills Firestorm, magnified the effects of incompatible radio frequencies which severely hindered emergency operations and pronounced the need for regional interoperability. Public safety agencies throughout the Urban Area Security Initiative Area (UASI) Bay Area Region have experienced similar situations where tactical officers were unable to communicate with one another during high-risk encounters, placing personnel in unnecessary danger and hampering timely emergency responses. Further, incompatible communication systems negate the ability of public safety agencies to work in a cooperative atmosphere or respond to calls for mutual aid. Coupled with disparate frequencies, agencies are unable to share information, data, or intelligence in “real time” during exigent circumstances.

Radio systems throughout the greater Oakland/San Francisco Bay Area, and the 10 Bay Area county UASI Region, Monterey and San Benito counties are not compatible with the ANSI/TIA/EIAA-102 Phase I (Project 25 (P-25) suite of standards). Currently, Alameda and Contra Costa Counties, which comprise the Oakland Metropolitan Statistical Area (MSA), operate on disparate radio frequencies, with proprietary equipment. Incompatible frequencies and proprietary radio systems also exist in the San Francisco MSA, encompassing the counties of San Francisco, San Mateo, and Marin.

Due to incompatibilities in systems and bandwidths, and the inability to inter-operate or exchange data information, the Bay Area’s Urban Area Security Initiative (UASI) region and its partners are requesting grant funds from the Governor’s Office of Homeland Security, Public Safety Interoperable Communications (PSIC) Grant Program to address these issues. The partnering agencies have formed a consortium called BAYRICS, the Bay Area Regional Interoperable Communications Systems. BAYRICS is collaborating and working towards interoperability for the Bay Area Region. BAYRICS realizes that the ultimate purpose in the development of this project plan is not to identify one “across the board” solution to interoperability, but to identify and implement interoperability solutions that are readily available and accessible on a multi-jurisdictional and multi-disciplinary basis regionally with a goal towards statewide interoperability. This approach can be considered a “system of systems” approach and acknowledges that one size does not fit all.

San Francisco, Oakland and surrounding jurisdictions are comprised of many county and individual city mutual aid response organizations, which consist of police, fire, emergency medical services, and other public safety response agencies. Interoperability between regions on both an inter-county and multi-jurisdictional basis has been elusive due to disparate voice operations across different frequency bands, proprietary manufacturer signaling, cross-band

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interfacing, coverage zones, equipment costs, traffic handling capacity, and other non-technical matters.

Interoperable communications projects have identified three key factors that adversely affect communications on both multi-disciplinary and multi-jurisdictional levels:

- Incompatible and Aging Communication Systems
- Limited Funding
- Inadequate and Fragmented Radio Spectrum

In alignment with national interoperability efforts already underway, our region has one fundamental, ultimate goal:

Implement a regional communications system solution that will provide interoperable, cost-effective equipment for use by multi-disciplinary and multi-jurisdictional public safety agencies on a day-to-day basis, as well as during times of natural disasters, terrorist attacks and other catastrophic events and that will align with the California Statewide Interoperability Plan and future systems.

The attached Resolution seeks authorization to award contracts for the purchase of materials, equipment and services in any amount without further Council review or action. Contractors would be selected by appropriate competitive bid or request for proposal/qualification processes and required to follow all City purchasing programs and policies. Pre-authorization for contracts in excess of the City Administrator's usual contract limits is necessary because:

- ✓ Fire/DIT do not have adequate time to return to Council for the purchase of the specified items outlined in the spending plan of the Council report as a result of the P.25 Interoperability System project schedule and the time constraints imposed by the grant guidelines. Grant funds must be fully expended within the strict grant timeline, by June 30, 2010, or the funds will be reallocated elsewhere;

The total grant request for the City of Oakland's communications equipment and installation of the equipment outlined in this proposal is \$1,300,000.

SUSTAINABLE OPPORTUNITIES

Economic: With improved communication between first responders within the City and region this will help mitigate the levels of casualties to property in all disasters or emergencies since response efforts will be more effective, with clear communication of the needs and incidents. This will greatly reduce the fiscal impact in any disaster/emergency.

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Environmental: The increased efficiency and effectiveness in communications among the first responders in the case of disaster and/or emergency will greatly reduce the impact on the environmental issues that arise during any given emergency matter.

Social Equity: This benefits all residents/individuals in the entire City, County and Region by enhancing communication among first responders. Disasters and emergencies do not discriminate among members of society; by responding swiftly to all emergencies, casualties could be minimized among all community members.

DISABILITY AND SENIOR CITIZEN ACCESS

There are no ADA or senior citizen access issues contained in this report.

RECOMMENDATION

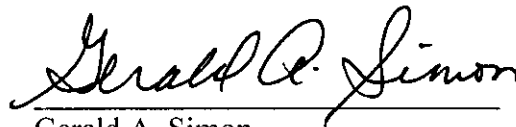
Staff recommends that the City Council approves the attached resolution authorizing the City Administrator or his designee to apply for, accept, appropriate and administer grant funding in an amount not to exceed \$1,300,000 from the U.S. Department of Homeland Security Public Safety Interoperable Communications (PSIC) grant for emergency communication enhancements that will move the City of Oakland towards P-25 full compliance and interoperability, and to purchase materials, equipment and services with the grant funds in any amount without further Council review or action, provided the City's bidding, request for proposal/qualifications and purchasing programs/policies are followed.

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ACTION REQUESTED OF THE CITY COUNCIL

Approve a resolution authorizing the City Administrator or his designee to apply for, accept, appropriate and administer grant funding in an amount up to \$1,300,000 from the U.S. Department of Homeland Security Public Safety Interoperable Communications (PSIC) grant for emergency communication enhancements that will move the City of Oakland towards P-25 full compliance and interoperability, and to purchase materials, equipment and services in any amount without further Council review or action, including purchases that exceed the purchase authority in Oakland Municipal Code Section 2.04.020, provided the City's bidding, request for proposal/qualifications and purchasing programs/policies are followed.

Respectfully submitted,



Gerald A. Simon
Fire Chief

Prepared by:
Cynthia M. Chimonyo
Emergency Planning Coordinator
Office of Emergency Services

Reviewed by:
Renee A. Domingo
Emergency Services Manager
Office of Emergency Services

APPROVED AND FORWARDED TO THE
PUBLIC SAFETY COMMITTEE:

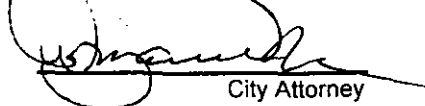


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Approved as to Form and Legality


City Attorney

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OAKLAND CITY COUNCIL
RESOLUTION NO. _____ C.M.S.

RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR OR HIS DESIGNEE TO APPLY FOR, ACCEPT, APPROPRIATE AND ADMINISTER GRANT FUNDING IN AN AMOUNT UP TO \$1,300,000 FROM THE U.S. DEPARTMENT OF HOMELAND SECURITY PUBLIC SAFETY INTEROPERABLE COMMUNICATIONS GRANT (PSIC) FOR EMERGENCY COMMUNICATIONS ENHANCEMENTS THAT WILL MOVE THE CITY OF OAKLAND TOWARDS P-25 FULL COMPLIANCE AND INTEROPERABILITY, AND TO PURCHASE MATERIALS, EQUIPMENT AND SERVICES IN ANY AMOUNT, INCLUDING PURCHASES IN EXCESS OF THE CITY ADMINISTRATOR'S PURCHASING AUTHORITY, WITHOUT FURTHER COUNCIL REVIEW OR ACTION PROVIDED THE CONTRACTS ARE AWARDED THROUGH COMPETITIVE SOLICITATION AND ARE IN ACCORD WITH OAKLAND'S PURCHASING PROGRAMS/POLICIES

WHEREAS, there is an urgent need for the public safety agencies within the City of Oakland and within the Bay Area region to implement a regional communications system solution that will provide interoperable communications among multi-disciplinary and multi-jurisdictional public safety agencies; and

WHEREAS, The City of Oakland Police, Fire and Emergency Medical Services (EMS) personnel and the Department of Information Technology have identified the equipment solutions necessary to ensure effective communications between these agencies and regionally; and

WHEREAS, The U.S. Department of Homeland Security Public Safety Interoperable Communications (PSIC) grant has made available funding for the acquisition, integration, deployment and installation of equipment infrastructure to ensure the interoperable communications between regions, within Cities and multi-jurisdictionally; and

WHEREAS, The City of Oakland has identified the required 20% grant match funding; and

WHEREAS, The City of Oakland is committed to effectively carry out the requirements for the PSIC grant; and now therefore be it

RESOLVED: That the City Council authorize the City Administrator or his designee to apply for, accept, appropriate and administer grant funding in an amount up to \$1,300,000 from the U.S. Department of Homeland security Public Safety Interoperable Communications (PSIC) grant for emergency communications enhancements that will move the City of Oakland towards P-25 full compliance and interoperability; and be it

FURTHER RESOLVED: That the City Administrator or his designee is authorized to accept and appropriate the PSIC grant funding into Department of Homeland Security Fund (2123) and Office of Emergency Services Org. (20711); Account, Project and Program to be determined; and be it

FURTHER RESOLVED: That the City Administrator or his designee is authorized to administer and award contracts to spend the funding as allocated in the spending plan without further City Council review or action due to the program system implementation plan and strict grant guidelines which require all grant funding to be expended by June 30, 2010, including the purchase of goods, materials, equipment, services or combination in any amount, i.e., in excess of the City Administrator's purchase authorization set forth in Oakland Municipal Code Section 2.04.020, provided the City's bidding requirements and purchasing programs/policies are followed; and be it

FURTHER RESOLVED: That all contracts authorized hereunder have been and/or shall be approved as to form and legality by the office of the City Attorney and placed on file in the Office of the City Clerk

IN COUNCIL, OAKLAND, CALIFORNIA, _____, 20____

PASSED BY THE FOLLOWING VOTE:

AYES - BROOKS, DE LA FUENTE, KAPLAN, KERNIGHAN, NADEL, QUAN, REID,
and PRESIDENT BRUNNER

NOES -

ABSENT -

ABSTENTION -

ATTEST: _____

LaTonda Simmons
City Clerk and Clerk of the Council
of the City of Oakland, California