COUNTY OF MILWAUKEE
INTEROFFICE COMMUNICATION

Date: November 14, 2013

To: Supervisor Marina Dimitrijevic, Chairwoman, County Board of Supervisors

From: Chris Lindberg, Chief Information Officer, IMSD

Subject: Request for authorization to execute a contract with Motorola Solutions, Inc to purchase and install an 800 MHz Public Safety Radio System (WO614 – Build Out Ten Sites to Digital)

REQUEST
The Director of the Department of Administrative Services – Information Management Services Division (IMSD) requests authorization to execute a contract with Motorola Solutions, Inc. to purchase and install an 800 MHz Public Safety Radio System and related radio components.

BACKGROUND
As part of the approved 2010 Capital Budget, the County Board of Supervisors and the County Executive both approved capital project WO614-Build-Out Ten Sites to Digital. The project scope is comprehensive and includes the following deliverables from the contracted radio provider:

- Purchase and implementation of a simulcast, digital 800 MHz trunked radio system
- Installation of a microwave backhaul network
- Purchase and installation of dispatch consoles for the Milwaukee County Office of the Sheriff (MCSO), Emergency Medical Services Division (EMS) and Milwaukee County Transit Department (Transit)
- Radio tower site analysis, site development and remediation
- Mobile and portable subscriber radios for MCSO, EMS, Milwaukee County House of Correction, the Milwaukee County District Attorney's Office, Transit, Milwaukee County Department of Transportation and Public Works, Milwaukee County Zoo, General Mitchel International Airport, Milwaukee County Parks and the Department of Administrative Services – Facilities Division
- Training
- Ongoing licensing and maintenance services (Operational Costs)

The overall project will also account for all costs associated with the Department of Administrative Services – Architectural and Engineering services, project management, owner's representation and radio site services. These and all other soft costs will be identified and detailed through a Project Kick-off Detailed Design Analysis meeting and will be funded through the current capital allocation.

In May of 2012, IMSD was granted authorization to execute a Memorandum of Understanding (MOU) and partner with Waukesha County Department of Emergency

Preparedness/Radio Services (Waukesha County) to jointly retain the services of a communications consulting firm. A Request for Proposal (RFP) was issued and Milwaukee and Waukesha Counties contracted with CDX Wireless Inc. (CDX) for those services. CDX's role was to:

- Understand and document Milwaukee County and Waukesha County public safety communication requirements
- Describe alternative radio infrastructure design and implementation concepts
- Develop documentation for the technical specifications
- Calculate budgets (both capital and on-going)
- Draft and assist in administering a RFP for the replacement of each aging radio system.

In November of 2012, CDX completed the study of the Bi-County radio system and an RFP was let on April 12, of 2013. The RFP was sent to nine (9) radio vendors, advertised through the Daily Reporter and posted on the Milwaukee and Waukesha County Websites. Three respondents representing four different manufacturers of radio technology submitted proposals. Proposals were rated based on technology, cost, experience/qualifications, implementation and thoroughness in response as it relates to project plan and support. Upon review of the proposals during September, 2013, it was determined that Motorola Solutions, Inc. (Motorola) was the responsive, responsible vendor who scored the highest total on the evaluation criteria.

IMSD, in conjunction with Waukesha County, Risk Management and Corporation Counsel, has been negotiating a contract with Motorola to purchase a public safety radio system as well as the purchase of on-going annual support and maintenance. Negotiations have been successful to date. It is IMSD's intent to have the contract finalized, approved by Risk Management, Corporation Counsel and the Community Business Development Partners and executed by year end. If the Milwaukee County/Motorola contract is executed by year end, for a period of two years, Motorola will commit to a significant discount (50%) for Milwaukee County as well as municipal County radio system users on Motorola's product list of subscriber units. It must be noted that the contract is substantially complete and that the financial details have been solidified. The contract with Motorola is for a not to exceed cost of $17,751,797 and includes system build, licensing and maintenance costs (operational cost) for a period of ten (10) years beyond warranty expiration. Key cost components of the contract are as follows:

Capital Cost

Radio Infrastructure	$	5,675,537
Network - Microwave Backhaul	$	485,082
Radio Tower Site Work	$	1,312,674
Dispatch Consoles and Network	$	645,745
Subscriber Costs	$	5,410,698
Training	$	79,841
Total Milwaukee County Contract Cost (one time)	**$**	**13,609,577**

Operational Cost		Annual (Ave)		10 Yr Cost
License and Maintenance	$	414,222	$	4,142,220

The contract with Motorola does not, however, include the build and implementation of the Milwaukee County/Waukesha County shared core. The core will be installed in Waukesha County; therefore Waukesha is purchasing the core and invoicing Milwaukee County for its portion of the cost. Milwaukee County's share of the purchase and installation of the core will be a not to exceed dollar amount of $450,668.

Maintenance and licensing are fixed costs that Milwaukee County will incur annually. Upon project completion, IMSD will work with the Department of Administrative Services and user groups to determine a fair and equitable means to allocate costs across Milwaukee County radio system participants.

Milwaukee County currently contracts with Motorola for system infrastructure service and repair for the existing and obsolete analog radio system. IMSD is considering contracting for the same services but not until approximately 2016. System infrastructure service and repair includes preventative maintenance, dispatch service, and on-site infrastructure response and repair. If it is determined that system service and repair is necessary, a contract will be negotiated and IMSD will return to the County Board of Supervisors and the County Executive for review and approval.
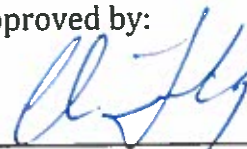
RECOMMENDATION
The Chief Information Officer respectfully requests the authority to enter into a contract with Motorola Solutions, Inc. to purchase and install a public safety radio system as well as provide for on-going annual license and maintenance services

A resolution and fiscal note are attached for your review and referral to the appropriate committee(s) of the County.

Prepared by:

Laurie Panella, IMSD
Deputy Chief Information Officer

Approved by:

Chris Lindberg, IMSD
Chief Information Officer

cc: Chris Abele, County Executive
       Amber Moreen, Chief of Staff, County Executive's Office
       Supervisor Willie Johnson, Jr., Co-Chair, Finance, Personnel and Audit Cte
       Supervisor David Cullen, Co-Chair, Finance, Personnel and Audit Cte
       Supervisor Theo Lipscomb, Sr., Chair, Judiciary, Safety, and General Services Cte

Supervisor Jason Haas, Vice Chair, Finance, Personnel and Audit Cte
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