

T.S.E.3

ABBREVIATED CONSENT CALENDAR FORMAT

Memorandum Date: October 5, 2009

Order Date: October 21, 2009

TO: Board of County Commissioners

DEPARTMENT: Public Works

PRESENTED BY: Marsha Miller, Public Works Director
Betty Mishou, Administrative Services

AGENDA ITEM TITLE: ORDER/IN THE MATTER OF AUTHORIZING AN AGREEMENT WITH MOTOROLA, INC. FOR SERVICES AND EQUIPMENT ASSOCIATED WITH EXPANSION OF THE EXISTING REGIONAL RADIO INTEROPERABLE COMMUNICATION SYSTEM IN THE AMOUNT OF \$1,330,000 AND AUTHORIZING THE COUNTY ADMINISTRATOR TO EXECUTE THE AGREEMENT

I. MOTION

Move approval of Order No. _____ authorizing an agreement with Motorola, Inc., for services and equipment related to expansion of the existing regional radio system in the amount of \$1,330,000 and authorizing the County Administrator to execute the agreement.

II. DISCUSSION

A. Background / Analysis

The proposed agreement with Motorola, Inc. allows Lane County Public Works to leverage the existing Lane County regional radio system created under the 7-County Regional Radio Interoperable Communication System project. Core project partners of the existing system are the Cities of Eugene and Springfield and their law enforcement agencies (EPD and SPD); Central Lane 9-1-1 Communications; Lane County Sheriff's Office (LCSO); and the Eugene Water and Electric Board (EWEB).

The 7-County project was made possible by federal funding used to develop a microwave backbone to various communication sites within Congressman Defazio's District and a shared master site located in the Eugene/Springfield area. Under Phase 1 of this project, Board Order 07-1-10-6 was adopted authorizing the purchase of APCO P25 Master Site equipment from Motorola based on Western States Contracting Alliance (WSCA) contract pricing. Board Order 08-6-25-20 authorized an agreement with Motorola for completion of Phase 2 of the 7-County project.

The existing Public Safety regional radio system adheres to the APCO-25 Standards for Public Safety Digital Radio approved in 1995 by the Association of Public-Safety Communications Officials. APCO-25 is a set of standards intended to create "open" architecture for public safety voice radio systems, allowing equipment from different manufacturers to be integrated into P-25-compliant systems. To date, however, the P-25 standard applies only to subscribers (portable and mobile radios), not infrastructure. Infrastructure equipment (repeaters, controllers, switches, routers, etc.) is still for the most part proprietary and different manufacturers' equipment cannot be readily or reliably combined in a single infrastructure. To meet system requirements, Public Works completed a sole source justification process in accordance with LM 21.111 in order to procure equipment and services from Motorola, Inc., as a sole source procurement.

The proposed Public Works/Motorola agreement leverages the current Motorola network of existing trunked radio sites, microwave, interfaces and a centralized control center that provides direct interoperability between Lane County Public Safety users and users on other radio systems. Lane County Public Works would expand the existing system with additional trunked repeater sites at Herman Peak northeast of Florence and Walker Point near Walton. Users of the radio system should realize uninterrupted coverage from Florence to McKenzie Bridge once the sites are fully developed and operational. Migration to the regional radio system is anticipated in early 2010 once engineering and design work is complete.

Expansion of the existing system will result in meeting the overall objectives identified as critical for Public Works which includes:

Create an architecture providing improved radio coverage in Lane County. This has been identified as critical for Lane County as outlined in the Public Works safety audit conducted in 2007. The current Public Works radio system is in excess of 30 years old and will be out of FCC narrowband compliance by 2013.

Allow Lane County Public Works to migrate to a technology environment that provides mobile data capability for automatic vehicle location (AVL) and future wireless applications. The current radio system used by Public Works does not support AVL functionality. This functionality has been identified as necessary for Public Works in response to the safety audit.

Maximize the use of the countywide backbone communications capability. Lane County Public Works shares the same radio footprint as the Sheriff's Office. Any system expansion promoted by Public Works will benefit Lane County as a whole.

Provide connectivity to other state, and local agencies on an as needed basis. The Oregon Wireless Interoperability Network (OWIN) has adopted the P25 digital communications protocol as the standard for the four state agencies, Oregon Department of Transportation, Oregon State Police, Office of Financial Services and the Department of Corrections. OWIN has indicated its desire to partner with other government entities to enlarge regional radio systems and is currently exploring further expansion of the Lane County regional radio system in cooperation with Lane County, EWEB, City of Eugene and the City of Springfield.

Funding for expansion of the regional radio system was approved through adoption of the FY 09-10 Lane County Budget.

B. Recommendation

In every assessment of existing public safety communications systems or planning for new systems, it has been identified that including public works agencies in governmental interoperable communications systems is both reasonable and desirable. In a large scale disaster or emergency as well as smaller scale public safety incidents that occur more frequently, the ability to communicate with and more efficiently coordinate the actions and resources of public works entities is critical to the response and recovery phases of emergency management and can be part of preparedness as well.

The efficient utilization of the existing regional radio system, which uses architecture and equipment from Motorola, Inc., requires the acquisition of Motorola, Inc. equipment and services to allow expanded use of the system to include Lane County Public Works. Therefore, Lane County Public Works recommends it is in the best interests of Lane County and its partner agencies to use the sole source agreement to expand the regional radio system. The Lane County Sheriff's Office and core project partners support this recommendation.

III. ATTACHMENTS

Board Order.

IN THE BOARD OF COMMISSIONERS OF LANE COUNTY
STATE OF OREGON

ORDER NO.

(IN THE MATTER OF AUTHORIZING AN AGREEMENT
(WITH MOTOROLA, INC. FOR SERVICES AND
(EQUIPMENT ASSOCIATED WITH EXPANSION OF
(THE EXISTING REGIONAL RADIO INTEROPERABLE
(COMMUNICATION SYSTEM IN THE AMOUNT
(OF \$1,330,000 AND AUTHORIZING THE COUNTY
(ADMINISTRATOR TO EXECUTE THE AGREEMENT

WHEREAS, the Public Works radio system is in excess of 30 years old and will be out of FCC narrowband compliance by 2013. A safety audit conducted in 2007 outlined the critical need for improved radio coverage for Public Works. Public Works underwent an evaluation process to explore options to address these deficiencies in a replacement system. The most feasible option was leveraging the existing 7-County Regional Radio Interoperable Communication System; and

WHEREAS, the proposed agreement with Motorola, Inc. allows Public Works to leverage the existing Lane County regional radio system. Core project partners of the existing system are the Cities of Eugene and Springfield and their law enforcement agencies (EPD and SPD); Central Lane 9-1-1 Communications; Lane County Sheriff's Office (LCSO); and the Eugene Water and Electric Board (EWEB); and

WHEREAS, under Phase 1 of the 7-County project, Board Order 07-1-10-6 was adopted authorizing the purchase of APCO P25 Master Site equipment from Motorola based on Western States Contracting Alliance (WSCA) contract pricing. Board Order 08-6-25-20 authorized an agreement with Motorola for completion of Phase 2 of the 7-County project; and

WHEREAS, the APCO-25 Standards for Public Safety Digital Radio applies only to subscriber equipment (portable and mobile radios), not infrastructure. Infrastructure equipment (repeaters, controllers, switches, routers, etc.) is for the most part considered proprietary and different manufacturers' equipment cannot be readily or reliably combined in a single infrastructure. To meet system requirements, Public Works completed a sole source justification process in accordance with LM 21.111 in order to procure equipment and services from Motorola, Inc. as a sole source procurement; and

WHEREAS, Public Works would expand the existing system with additional trunked repeater sites at Herman Peak northeast of Florence and Walker Point near Walton. Migration to the regional radio system is anticipated in early 2010 once engineering and design work is complete; and

WHEREAS, funding for expansion of the regional radio system was approved through adoption of the FY 09 Lane County Budget; **NOW, THEREFORE, IT IS HEREBY**

ORDERED, that an agreement with Motorola, Inc., is authorized for services and equipment associated with expansion of the existing regional radio interoperable communication system in the amount of \$1,330,000 and that the County Administrator is authorized to execute the agreement.

DATED this _____ day of _____, 2009.

Peter Sorenson, Chair
Lane County Board of Commissioners

APPROVED AS TO FORM
Date 10/8/09 Lane County
J. Anderson
OFFICE OF LEGAL COUNSEL