

**RESOLUTION AUTHORIZING PURCHASE OF GRANT FUNDED COMMUNICATIONS EQUIPMENT**

WHEREAS, pursuant to Neb. Rev. Stat. §23-104(6) (Reissue 2007), the County has the power to do all acts in relation to the concerns of the County necessary to the exercise of its corporate powers; and,

WHEREAS, pursuant to Neb. Rev. Stat. §23-103 (Reissue 2007), the powers of the County as a body are exercised by the County Board; and,

WHEREAS, the Sarpy County Communications System is at end-of-life and system upgrades costing over \$3,000,000 in the short term and over \$11,000,000 in the long term are needed to sustain operations; and,

WHEREAS, Sarpy County has entered into a Memorandum of Understanding with the City of Omaha (Resolution 2010-251) for participation in the Urban Area Security Initiative (UASI) Program that will provide funding for certain components for the communication system upgrade; and,

WHEREAS, use of the UASI funds for the purchase of SmartX equipment will extend the useful life of other existing communications equipment such as mobile radios.

NOW, THEREFORE, BE IT RESOLVED By the Sarpy County Board of Commissioners that the purchase of Motorola SmartX equipment (as supported by the attached equipment list) through the UASI grant is hereby approved.

DATED this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

MOVED by \_\_\_\_\_, seconded by \_\_\_\_\_, that the above Resolution be adopted. Carried.

YEAS:

NAYS:

ABSENT:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
ABSTAIN:  
\_\_\_\_\_  
\_\_\_\_\_

Attest:

Approved as to form:

SEAL

\_\_\_\_\_  
County Clerk

\_\_\_\_\_  
Deputy County Attorney

**800 MHz RADIO SYSTEM UPGRADE COSTS WITH JUNE 10, 2010 MOTOROLA PROPOSAL**

ITEM	YEAR										TOTAL	
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
Smart-X	\$ 625,000											\$ 625,000
HPD Modems	\$ 500,000											\$ 500,000
New radios city	\$ 50,000	\$ 25,000	\$ 100,000	\$ 150,000	\$ 250,000	\$ 350,000	\$ 415,000					\$ 1,340,000
New radios Sarpy	\$ 15,000	\$ 10,000	\$ 25,000	\$ 55,000	\$ 110,000	\$ 160,000	\$ 260,000					\$ 635,000
Master Site	\$ 1,400,000											\$ 1,400,000
Site Controllers	\$ 525,000											\$ 525,000
HPD RF site eq	\$ 355,000											\$ 355,000
New Consoles							\$ 2,000,000					\$ 2,000,000
New Microwave							\$ 600,000					\$ 600,000
New P25 RF							\$ 2,000,000					\$ 2,000,000
Maintenance	\$ 55,000	\$ 200,000	\$ 185,000	\$ 205,000	\$ 205,000	\$ 195,000	\$ 175,000	\$ 225,000	\$ 225,000	\$ 225,000		\$ 1,895,000
Grant Funded	\$ 1,000,000											\$ 1,000,000
City Funded	\$ 50,000	\$ 25,000	\$ 100,000	\$ 150,000	\$ 250,000	\$ 350,000	\$ 415,000					\$ 1,340,000
Sarpy Funded	\$ 2,475,000	\$ 210,000	\$ 210,000	\$ 260,000	\$ 315,000	\$ 355,000	\$ 5,035,000	\$ 225,000	\$ 225,000	\$ 225,000		\$ 9,535,000
<b>TOTAL</b>	<b>\$ 3,525,000</b>	<b>\$ 235,000</b>	<b>\$ 310,000</b>	<b>\$ 410,000</b>	<b>\$ 565,000</b>	<b>\$ 705,000</b>	<b>\$ 5,450,000</b>	<b>\$ 225,000</b>	<b>\$ 225,000</b>	<b>\$ 225,000</b>		<b>\$ 11,875,000</b>

**Notes:**

Smart-X cost from Motorola June 10, 2010 proposal

Master Site cost comprised of \$1,260,000 from Motorola June 10, 2010 proposal + \$100,000 antenna site work + \$40,000 UPS enhancement

Site controller replacement cost is an option from June 10, 2010 proposal

HPD RF site equipment is part of Motorola June 10, 2010 proposal

New consoles, new P25 RF, new microwave planned at end of support life of existing subsystems in 2016

Maintenance cost initially based on existing Motorola contract, subsequently adjusted for new equipment, estimated based on survey of other similar size systems

Proposed timeline based on initial order placed in August 2010

**EMERGENCY MANAEGMENT AND  
COMMUNICATIONS AGENCY  
COUNTY OF SARPY**

**MEMORANDUM**

TO: County Board  
DATE: August 31, 2010  
SUBJECT: Smart-X equipment purchase

The Sarpy County 800 MHz public safety voice and data radio system is now 15 years old and many critical parts of the system are no longer supported. In order to resolve the end of life issues, an upgrade strategy has been developed based on a unique Motorola product known as Smart-X.

The Motorola Smart-X equipment will allow Sarpy to defer the replacement of much of its system infrastructure and user radio equipment for a period of several years, thereby achieving extended utilization of several million dollars of owned assets.

When it became known that Motorola was introducing a migration solution which would allow Sarpy to extend the life of its system, the Tri-county /UASI working group prepared a grant submission to obtain funding for a project to implement a Smart-X solution for Sarpy County. \$497,000.00 was awarded for this project in the FY 2007 Public Safety Interoperable Communications (PSIC) grant number 2007-GS-H7-0050.

Purchases of equipment for the Omaha UASI region through this grant are made by the City of Omaha. In order to implement this, the Omaha City Council passed an ordinance on July 27<sup>th</sup>, 2010. The ordinance approves the acceptance of and authorizes disbursement from the grant.

The Sarpy County Communications agency tasked Motorola with developing a list of equipment necessary to implement the Smart-X project. That equipment list and price quotation has been provided to Sarpy.

Upon approval, the quotation will be provided to the City of Omaha purchasing department. With Approval by the Omaha City Council as an expenditure authorized by the ordinance passed on July 27<sup>th</sup>, the City of Omaha Purchasing department will issue a purchase order to Motorola Inc. The equipment order will ship to Sarpy County and the billing will be to the City of Omaha.