

IN THE COUNTY LEGISLATURE OF JACKSON COUNTY, MISSOURI

AN ORDINANCE appropriating \$1,217,000.00 from the undesignated fund balance of the 2012 911 Fund and awarding a contract for the furnishing of a narrow-band public service radio system for use by various County departments to Motorola Solutions, Inc., of Schaumburg, IL, under the terms and conditions set forth in City of Kansas City, Missouri Contract No. EV0593, an existing government contract, at an actual cost to the County not to exceed \$4,838,855.00.

ORDINANCE NO. 4471, November 5, 2012

INTRODUCED BY James D. Tindall, County Legislator

WHEREAS, Federal Communication Commission (FCC) regulations require that all public safety radio systems must convert to a narrow-band system by December 31, 2012; and,

WHEREAS, the Director of Finance and Purchasing recommends the purchase of a narrow band public radio system for use by the Sheriff's Office, Parks and Recreation Department, Public Works Department, Emergency Management, and the Transportation Unit of the Department of Corrections to Motorola Solutions, Inc., of Schaumburg, IL, under the terms and conditions set forth in the City of Kansas City, Missouri Contract No. EV0593, an existing government contract, at an actual cost to the County not to exceed \$4,838,855.00; and,

WHEREAS, the Director of Finance and Purchasing recommends the award to Motorola, Inc., under the existing government contract due to the higher volume discounts offered to larger entities; and,

WHEREAS, pursuant to section 1030.4, Jackson County Code, 1984, the Director of

Finance and Purchasing is required to submit any purchase under an existing government contract which exceeds \$25,000.00 to the Legislature for approval; and,

WHEREAS, an appropriation is necessary to fund a portion of this purchase; and,

WHEREAS, the County Executive recommends said appropriation; now therefore,

BE IT ORDAINED by the County Legislature of Jackson County, Missouri, that the following appropriation be made from the undesignated fund balance of the 2012 911 Fund:

<u>DEPARTMENT/DIVISION</u>	<u>CHARACTER/DESCRIPTION</u>	<u>FROM</u>	<u>TO</u>
911 Fund 911 System			
031-2810	Undesignated Fund Balance	\$1,217,000	
031-5031	58160 – Radio/Comm Equip.		1,217,000

and,

BE IT FURTHER ORDAINED by that award be made as recommended by the Director of Finance and Purchasing, and that the Director be and hereby is authorized to execute for the County any documents necessary to the accomplishment of the award; and,

BE IT FURTHER ORDAINED that the Director of Finance and Purchasing is authorized to make all payments, including final payment on the contract.

Effective Date: This ordinance shall be effective immediately upon its signature by the County Executive.

APPROVED AS TO FORM:

Jay D. Hudson
Chief Deputy County Counselor

W. Stephen DeFoy
County Counselor

I hereby certify that the attached Ordinance, Ordinance No. 4471 introduced on November 5, 2012, was duly passed on November 13, 2012 by the Jackson County Legislature. The votes thereon were as follows:

Yeas 7

Nays 0

Abstaining 0

Absent 1

Excused 1

This Ordinance is hereby transmitted to the County Executive for his signature.

11-13-12
Date

Mary Jo Spino
Mary Jo Spino, Clerk of Legislature

I hereby approve the attached Ordinance No. .

11/13/2012
Date

Michael D. Sanders
Michael D. Sanders, County Executive

Funds sufficient for this appropriation are available from the source indicated below.

ACCOUNT NUMBER: 031 2810
ACCOUNT TITLE: 911 Fund
Undesignated Fund Balance
NOT TO EXCEED: \$1,217,000.00

There is a balance otherwise unencumbered to the credit of the appropriation to which the

expenditure is chargeable and there is a cash balance otherwise unencumbered in the treasury to the credit of the fund from which payment is to be made each sufficient to provide for the obligation herein authorized.

ACCOUNT NUMBER: 003 5103 58160
ACCOUNT TITLE: Park Fund
Non-Departmental
Radio/Communications Equipment
NOT TO EXCEED: \$235,009.00

ACCOUNT NUMBER: 004 5104 58160
ACCOUNT TITLE: Road and Bridge Fund
Non-Departmental
Radio/Communications Equipment
NOT TO EXCEED: \$3,386,846.00

ACCOUNT NUMBER: 031 5031 58160
ACCOUNT TITLE: 911 Fund
911 System
Radio/Communications Equipment
NOT TO EXCEED: \$1,217,000.00

November 1, 2012
Date


Director of Finance and Purchasing

REQUEST FOR LEGISLATIVE ACTION

Completed by County Counselor's Office:

~~Res~~/Ord No.: 4471

Sponsor(s): James D. Tindall

Date: November 5, 2012

<p>SUBJECT</p>	<p>Action Requested <input type="checkbox"/> Resolution <input checked="" type="checkbox"/> Ordinance</p> <p>Project/Title: <u>Requesting an Ordinance appropriating \$1,217,000.00 from the Undesignated Balance of the 911 Fund and Authorizing the Award of a Contract to provide for an Upgrade to the County's Public Safety Radio System to Motorola, Inc. of Schaumburg, Illinois under the Terms and Conditions of the City of Kansas City, Missouri's Contract No. EV0593, an existing government contract, in an amount not to exceed \$4,838,855.00.</u></p>																
<p>BUDGET INFORMATION <i>To be completed By Requesting Department and Finance</i></p>	<table border="1"> <tr> <td>Amount authorized by this legislation this fiscal year:</td> <td>\$4,838,856.00</td> </tr> <tr> <td>Amount previously authorized this fiscal year:</td> <td>\$</td> </tr> <tr> <td>Total amount authorized after this legislative action:</td> <td>\$4,838,856.00</td> </tr> <tr> <td>Amount budgeted for this item * (including transfers):</td> <td>\$</td> </tr> <tr> <td>Source of funding (name of fund) and account code number: 031-5031-58160 911 System, Radio/Communications Equipment</td> <td>\$1,217,000.00</td> </tr> <tr> <td>004-5104-58160 Road and Bridge, Non-Departmental, Radio/Communications Equipment</td> <td>\$3,386,846.00</td> </tr> <tr> <td>003-5103-58160 Parks, Non-Departmental, Radio/Communications Equipment</td> <td>\$ 235,009.00</td> </tr> <tr> <td>Total</td> <td>\$4,838,855.00</td> </tr> </table> <p>* If account includes additional funds for other expenses, total budgeted in the account is: \$</p> <p>OTHER FINANCIAL INFORMATION:</p> <p><input type="checkbox"/> No budget impact (no fiscal note required) <input type="checkbox"/> Term and Supply Contract (funds approved in the annual budget); estimated value and use of contract: Department: Estimated Use: \$</p> <p>Prior Year Budget (if applicable): Prior Year Actual Amount Spent (if applicable):</p>	Amount authorized by this legislation this fiscal year:	\$4,838,856.00	Amount previously authorized this fiscal year:	\$	Total amount authorized after this legislative action:	\$4,838,856.00	Amount budgeted for this item * (including transfers):	\$	Source of funding (name of fund) and account code number: 031-5031-58160 911 System, Radio/Communications Equipment	\$1,217,000.00	004-5104-58160 Road and Bridge, Non-Departmental, Radio/Communications Equipment	\$3,386,846.00	003-5103-58160 Parks, Non-Departmental, Radio/Communications Equipment	\$ 235,009.00	Total	\$4,838,855.00
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Total	\$4,838,855.00																
<p>PRIOR LEGISLATION</p>	<p>Prior ordinances and (date): Prior resolutions and (date):</p>																
<p>CONTACT INFORMATION</p>	<p>RLA drafted by (name, title, & phone): Barbara Casamento, Purchasing Supervisor, 881-3253</p>																
<p>REQUEST SUMMARY</p>	<p>The County needs to upgrade its Public Safety Radio System to make it compliant with the Federal Communications Commissions requirement of narrow banding public safety radio by January 1, 2013. The new system will serve multiple County departments, including the Sheriff's Office, Parks and Recreation Department, Public Works Department, Corrections Department and Emergency Management.</p> <p>Pursuant to Section 1030.4 of the Jackson County Code, the Director of Finance and Purchasing recommends the award of a Contract to provide an Upgrade to County Public Safety Radio Systems to Motorola, Inc. of Schaumburg, Illinois under the Terms and Conditions of the City of Kansas City's Contract No. EV0593, an existing government contract, in an amount not to exceed \$4,838,855.00.</p> <p>The Director of Finance and Purchasing recommends the award be made under this Contract due to higher volume discounts offered to larger government entities.</p>																

	The Director of Finance and Purchasing also requests the appropriation of \$1,217,000.00 as follows:	
		FROM TO
	031-2810 911 Fund, Undesignated Balance	\$1,217,000.00
	031-5031-58160 911 Fund, Radio/Communications Equipment	\$1,217,000.00
CLEARANCE	<input type="checkbox"/> Tax Clearance Completed (Purchasing & Department) <input type="checkbox"/> Business License Verified (Purchasing & Department) <input type="checkbox"/> Chapter 6 Compliance - Affirmative Action/Prevailing Wage (County Auditor's Office)	
ATTACHMENTS	Memorandum from Shelley Kneuvean and Aimee Wenson, Quote from Motorola and the pertinent pages of Motorola's contract with the City of Kansas City, Missouri	
REVIEW	Department Director:	Date:
	Finance (Budget Approval): <i>If applicable</i> <i>Shelley Kneuvean & Aimee Wenson</i>	Date: <i>10-31-12</i>
	Division Manager:	Date:
	County Counselor's Office:	Date:

Fiscal Information (to be verified by Budget Office in Finance Department)

- This expenditure was included in the annual budget.
- Funds for this were encumbered from the _____ Fund in _____.
- There is a balance otherwise unencumbered to the credit of the appropriation to which the expenditure is chargeable and there is a cash balance otherwise unencumbered in the treasury to the credit of the fund from which payment is to be made each sufficient to provide for the obligation herein authorized.
- Funds sufficient for this expenditure will be/were appropriated by Ordinance # _____
- Funds sufficient for this appropriation are available from the source indicated below.

Account Number:	Account Title:	Amount Not to Exceed:

- This award is made on a need basis and does not obligate Jackson County to pay any specific amount. The availability of funds for specific purchases will, of necessity, be determined as each using agency places its order.
- This legislative action does not impact the County financially and does not require Finance/Budget approval.

**Fiscal Note:
Jackson County, Missouri**

Funds sufficient for this transfer are available from the sources indicated below.

Date:	October 31, 2012	PC# _____	RES # <u>4471</u>
<u>Department / Division</u>	<u>Character/Description</u>	<u>From</u>	<u>To</u>
031 - 911 Fund			
2810	Undesignated Fund Balance	1,217,000	
5031 - 911 System	58160 - Radio/Comm Equipment		1,217,000
		1,217,000	1,217,000

Fiscal Note:

This expenditure was included in the Annual Budget.

Date:	October 31, 2012	PC# _____	RES # _____	<u>Not to Exceed</u>
<u>Department / Division</u>	<u>Character/Description</u>	<u>From</u>	<u>To</u>	
003 - Park Fund				
5103 - Non-Departmental	58160 - Radio/Comm Equipment			235,009
004 - Road and Bridge Fund				
5104 - Non-Departmental	58160 - Radio/Comm Equipment			3,386,846
031 - 911 Fund				
5031 - 911 System	58160 - Radio/Comm Equipment			1,217,000
				4,838,855

Alexander S Ball 10-31-12
Budgeting



JACKSON COUNTY MEMORANDUM

TO: County Executive Michael D. Sanders, Chairman Dan Tarwater and Members of the County Legislature

FROM: Shelley Kneuvean, Chief Operating Officer and Amiee Wenson, Senior Administrative Manager

SUBJECT: Upgrade to County Public Safety Radio System

DATE: 10/31/2012

Background Analysis

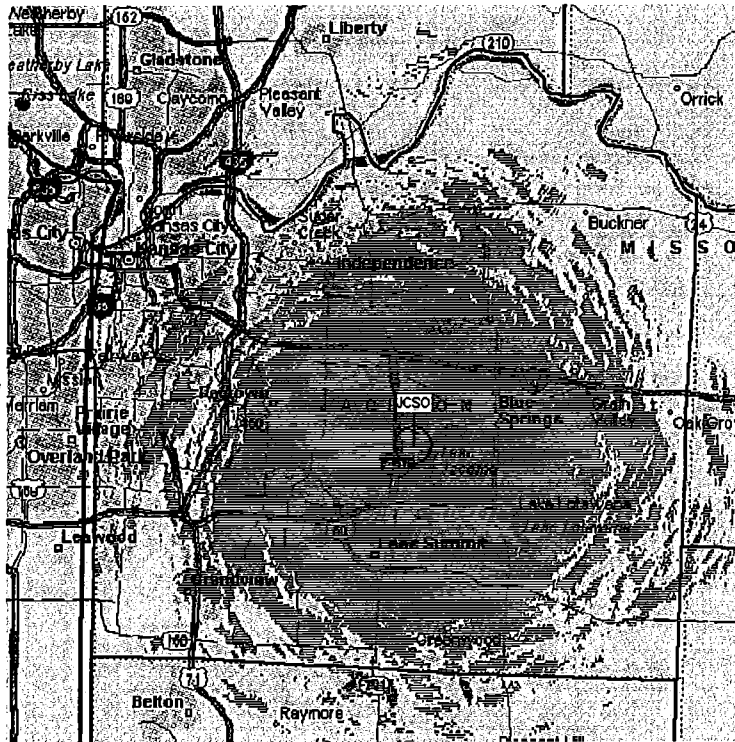
Currently, the County's radios operate on conventional analog VHF frequencies which are used to support public safety and public service operations within Jackson County. The Jackson County Sheriff's Office provides 911 Public Safety Answering Point (PSAP) dispatch services to unincorporated area of Jackson County in addition to providing dispatch services by contract to several municipalities. In addition, several Jackson County departments operate radio communication systems including the Parks + Recreation Department and Corrections Department.

In 2011, the County contracted with Tusa Consulting Services to analyze the County's radio system and recommend options that would put the County's system in compliance with the Federal Communications Commission's (FCC) requirement of narrow-banding public safety radios by January 1, 2013 as well as provide greatly needed improved coverage and enhanced communication system for the County.

Tusa Consulting met with department representatives and identified significant deficiencies in the current radio system. Departments noted inconsistent mobile (car) radio coverage, poor portable (on hip) radio coverage, interference and minimal interoperability capability with outside and neighboring radio systems. Another concern identified is the fact that the Sheriff's Office existing radio system does not repeat incoming transmissions, which does not allow field personnel to be aware of evolving public safety situations.

Radio coverage within the County was analyzed using computer modeling. These coverages were confirmed by system users based on their experience of use. As pictured below, coverage in the "corners" of the County is extremely poor, which creates challenges and even potential life safety issues for public safety personnel.

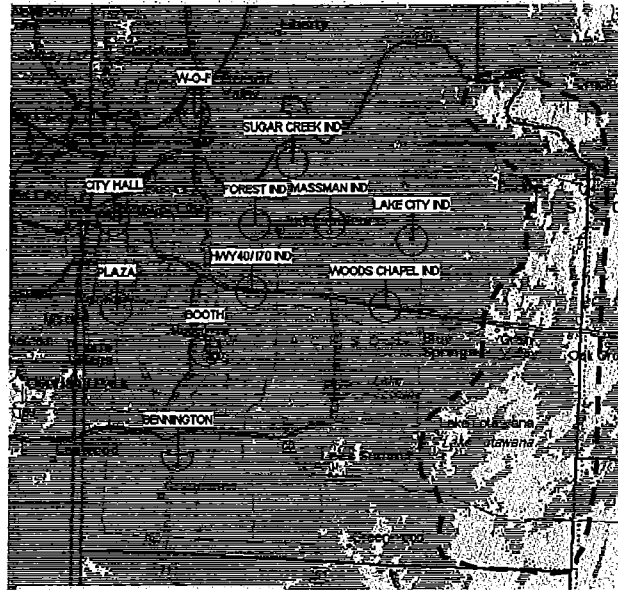
Current VHF Coverage of Jackson County



The County considered several options for upgrading the radio system including joining the State of Missouri VHF system as compared to joining the local regional system. Based on this analysis, it was determined that the best option was to join the Metropolitan Area Regional Radio System (MARRS), which is a 800 MHz Digital P25 system, coordinated with Mid America Regional Council (MARC). The MARRS system complies with the federal narrow-banding requirements; and is part of an overall interoperability project underway for the region. In Jackson County, this system is currently being utilized by Kansas City, Missouri and within the last year, Cass County, Platte County, Blue Springs, and Independence, Missouri have joined the regional network. Because of some recent infrastructure investments that contribute to digital coverage in Jackson County, the cost to the County of joining the MARRS network has significantly reduced, making this the preferred option for the County.

The illustration below shows what the current coverage would be for the County if it connected to the existing MARRS system. Coverage in the western portion of the County would be provided by existing system components installed by Kansas City and the recent Blue Springs/Independence project. The dark areas on the map demonstrate the existing coverage, with a significant gap in coverage noted in the eastern portion of the County. Staff has worked closely with our consultant to identify options to provide expanded coverage in the uncovered portion of the County.

Existing MARRs System Coverage for Jackson County



In order to address the areas not covered by the existing system, Jackson County's project will address this area benefiting the County agencies as well as regional law enforcement and local police departments.

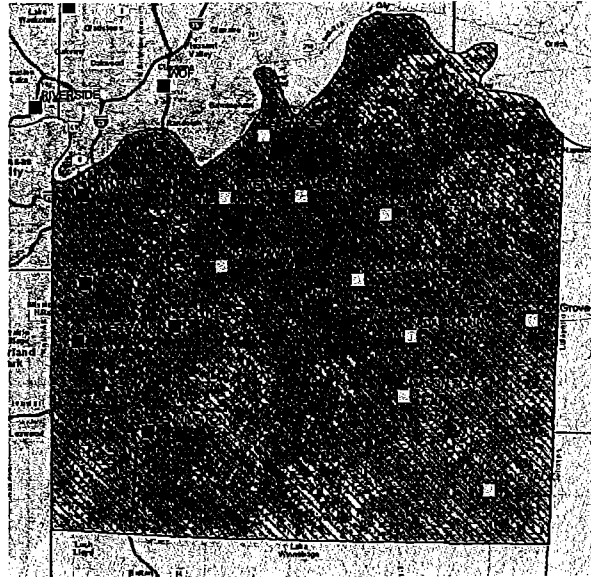
New Digital Radio System

Jackson County has the ability to utilize an existing governmental contract which was competitively bid and awarded to Motorola Solutions, Inc. with Kansas City, Missouri. Working with our consultant and Motorola, a system was designed that will provide 95% reliability for "on-street portable" coverage and a DAQ (Delivered Audio Quality) of 3.4 which is the regional accepted standard of coverage. The components of the new system include additional tower sites, subscriber equipment (radios and accessories), upgrades to the PSAP dispatch equipment and system updates.

Sites

The system includes the addition of two new tower sites to provide expanded coverage and address the areas not currently covered (illustrated on the map above). This will include lease on an existing privately owned tower in Lone Jack and an additional tower site to be located on a planned water tower in Oak Grove (contingent upon City of Oak Grove final approval). Staff is working on lease arrangements on the tower in Lone Jack and has talked with Oak Grove staff about the terms of an intergovernmental agreement that would allow us to install equipment on and in the water tower at no charge to the County. Once these sites are installed, the coverage for the County will be much improved.

COVERAGE MAP FOR JACKSON COUNTY WITH ADDITIONAL TWO TOWER SITES



As demonstrated in the graphic above, the addition of two new sites in Eastern Jackson County will significantly improve radio coverage. County department representatives have tested radios in the eastern portion of the County and have reported good coverage with the existing MARRs system; the two new sites will ensure coverage levels to an even higher degree.

Subscriber equipment

The new radio system will serve a variety of County departments including the Sheriff's Office, Parks Department (Parks Rangers and Operations), Public Works Department Operations, Corrections Department (transportation unit), and Emergency Management. Because of the diverse needs of the user departments, each group has identified the appropriate type of radios (mobile, portable) and functionality of subscriber equipment that will best fit their individual needs. The Sheriff's Department, for example, has selected a multi-band radio that will allow VHF interoperability with local agencies and the State of Missouri. Equipment for the Park Rangers and Public Works chose single band radios with functionality appropriate to the job duties of their personnel, in addition to mobile and/or portable radios that will most efficiently and effectively support their tasks. In addition to radio equipment for the Sheriff's Department, Park Rangers and Public Works, equipment is included for the Corrections Department's transportation division and Jackson County Emergency Preparedness. Programming and installation is included as part of the project.

Dispatch equipment

In order to dispatch on the MARRS system, an upgrade to existing dispatch equipment is required. The proposal includes upgraded equipment and systems for four (4) operator positions and 4 back up control stations that give the Sheriff's Department dispatch personnel many enhancements.

System maintenance

Motorola will provide maintenance services for subscriber equipment during the warranty period. Additionally, support for the software is included in the proposal. Other costs associated with the radio project will be radio maintenance (after the warranty expires), a port fee (to connect our equipment to the master switch located at Kansas City Police Department's North Patrol station), and a per-user fee that contributes to the maintenance of the MARRS network as a whole. These maintenance fees will be incorporated into the budget in 2014, but were part of the overall evaluation of the ongoing costs of the system to the County.

Timeline

This RLA / ordinance will encumber the funds to purchase all of the equipment related to the equipment, software, and infrastructure related to the project. The project will be operational early 2013 but various components will come on line through the next year. The radios will be acquired and will begin being used in early 2013. The dispatch improvements will be installed in mid 2013. The coverage enhancements will occur during 2013 / early 2014 as the sites become available.

Funding

The total cost of the project with Motorola a maximum not to exceed of \$4,838,856 which is under budget. Beyond the contract pricing with Kansas City, Missouri negotiated a system incentive of 5% with Motorola due to the size and scope of the project and an early payment provisions for an additional discount (additional savings of \$32,895). Working with the other outside agencies the Sheriff's Office dispatches for, an additional incentive may be available which would provide additional savings to the overall project.

The detailed pricing proposal is attached as an exhibit to this memo. Funding for this project was included in the FY12 budget, which will be as follows:

Funding Source	Department	Amount
9-1-1 Undesignated Fund Balance	031-2810	\$1,217,000
Road & Bridge Fund Non Department Radio & Communications Equipment	004-5104-8160	\$3,386,846
Parks Fund Non Departmental Radio & Communications Equipment	003-5103-8160	\$235,009
TOTAL PROJECT COSTS	Maximum not to exceed	\$4,838,856

The Executive and staff are very excited to bring forward this proposal forward to the Legislature for consideration. If you have any questions, please let us know.



Exhibit C5 - Pricing

Jackson County Missouri Project 25 Communications	
Description	Price
Infrastructure	
Oak Grove Water Tank - Four (4) Channel ASTRO Repeater Site - (1) Spur Hops of Cambium Microwave - (1) Existing Water Tank and (1) 10x12 Prefab Shelter	\$608,802
Lone Jack - Four (4) Channel ASTRO Repeater Site - (1) Spur Hops of Cambium Microwave - Existing Tower and (1) 10x12 Shelter with Outdoor Generator	\$676,655
Existing Channel Expansion	\$597,264
Dispatch - 4 Operator Positions with Backup Control Stations - 24 ch Analog Logging Recorder - 1 Spur Hop of Cambium Microwave to Mason School	\$616,366
Systems Integration - Design, Staging, Install, Training, FATP, and CATP	\$790,401
One Year Warranty	Included
Infrastructure Total	\$3,289,488
Subscriber Radios	
Jackson County Sheriff's Dept.	\$1,177,186
Jackson County Parks	\$235,009
Jackson County Public Works	\$352,109
Jackson County Corrections	\$6,295
Jackson County Emergency Mgt.	\$5,888
Digital Vehicular Repeater (qty 2)	\$60,454
Subscriber Radio Total	\$1,836,941
System Incentive**	(\$256,321)
Total Solution with Incentives	\$4,870,108

*Infrastructure Incentive of (\$32,895) is available with Alternative Payment Terms that include 70% due upon Contract Execution. This results in a Total Solution Price of \$4,838,856.

**System Incentive based upon Procurement of Total Package with all Radios

Motorola Confidential Restricted
Use or disclosure of this proposal is
subject to the restrictions on the title page

Jackson County
Jackson County Project 25 Communications Project
October 26, 2012
Exhibit C5 - Pricing



MODIFICATION OF CONTRACT

1. Modification No.: 1 Effective Date: 08/03/2011	2. Contract No.: EV0593 Effective Date: 12/16/2009
3. Senior Buyer: Keely Golden Telephone Number: (816) 513-3670	5. Supplier – Name and Address Motorola, Inc. Attention: Bruce Marley, Law Department 1301 East Algonquin Road, IL02-SH5 Schaumburg IL 60196
4. Issued By CITY OF KANSAS CITY, MISSOURI Procurement Services Division 1st Floor, Room 102 W, City Hall 414 East 12 th Street Kansas City, Missouri 64106-2793	
6. SPECIAL INSTRUCTIONS: Retain this signed copy of the modification and attach it to the original contract that was previously provided by the Procurement Services Division.	

7. Description of Modification

COMPLAINT RADIO NETWORK

Contract **EV0593** is utilizing the cooperative language to the contract effective as of 08/03/2011.

COOPERATIVE PROCUREMENT WITH OTHER JURISDICTIONS

The Bidder agrees to provide products and/or services to any municipality, county, state, governmentally public utility, non-profit hospital, educational institute, special governmental agency, and non-profit corporation performing governmental functions that participates in or is represented by the Mid-America Council of Public Purchasing (MACPP) in the greater Kansas City Metropolitan Trade Area and any member of the Mid-America Regional Council (MARC).

Yes No

All other Terms and Conditions of Contract **EV0593** remain unchanged.

8. City of Kansas City, Missouri

By: Keely Golden, CPPB

Senior Buyer

This Day: **August 3, 2011**

THIS CONTRACT CONTAINS AN INDEMNIFICATION PROVISION

Business Entity Type:

- Missouri Corporation
- Foreign Corporation
- Fictitious Name Registration
- Sole Proprietor
- Limited Liability Company
- Partnership
- Joint Venture
- Other (Specify): _____

CONTRACTOR

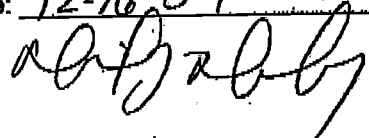
I hereby certify that I have authority to execute this document on behalf of Contractor

Contractor: Motorola

By: Daniel J. Delaney

Title: MSSI Vice President

Date: 12-16-09

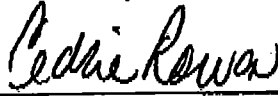


(Affix Corporate Seal)

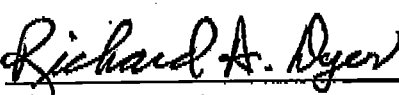
KANSAS CITY, MISSOURI

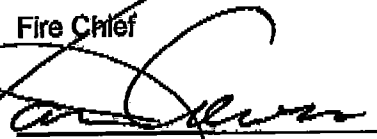
By:  12/16/09
City Manager (Date)

Reviewed by:

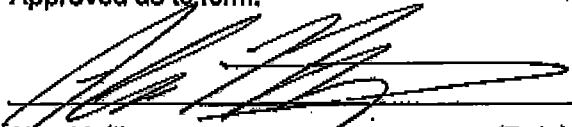
 12/16/09
Cedric Rowan (Date)

Manager of Procurement Services

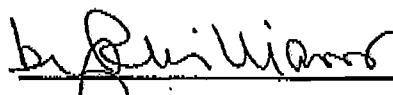
 12/16/2009
Richard A. Dyer (Date)
Fire Chief

 12-18-09
James Corwin (Date)
Police Chief

Approved as to form:


 _____ 12/18/09
 Alan Holtkamp (Date)
 Assistant City Attorney

I hereby certify that there is a balance, otherwise unencumbered, to the credit of the appropriation to which the foregoing expenditure is to be charged, and a cash balance, otherwise unencumbered, in the treasury, to the credit of the fund from which payment is to be made, each sufficient to meet the obligation hereby incurred.


 _____ 12/23/09
 Jeffrey Yates (Date)
 Director of Finance

DEC 21 AM 09:15A