

JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT

COMPLETE THIS SECTION IF NEW CONTRACT

For contract(s) in this request, answer applicable questions in each of the 4 major subject areas below in accordance with the Instructions for Preparation of Non-Competitive Procurement Form on the reverse side.

Request that negotiations be conducted only with **Motorola - Fire Digital Radio** for the product and/or services described herein.

This is a request for X (One-Time Contractor Requisition # , copy attached) or _____ Term Agreement or _____ Delegate Agency (Check one). If Delegate Agency, this request is for "blanket approval" of all contracts within the: _____ (Attach List) Pre-Assigned Specification No. 20851 (Program Name) Pre-Assigned Contract No. _____

COMPLETE THIS SECTION IF AMENDMENT OR MODIFICATION TO CONTRACT

Describe in detail the change in terms of dollars, time period, scope of services, etc., its relationship to the original contract and the specific reasons for the change. Indicate both the original and the adjusted contract amount and/or expiration date with this change, as applicable. Attach copy of all supporting documents. Request approval for a contract amendment or modification to the following:

Contract #: _____ Company or Agency Name: _____
Specification #: _____ Contract or Program Description: _____
Mod. #: _____ (Attach List, if multiple)

SARAH KREMSNER 6-9471  OEMC 05-13-2005
Originator Name Telephone Signature Department Date

Indicate SEE ATTACHED in each box below if additional space needed:

(X) PROCUREMENT HISTORY SEE ATTACHED
(X) ESTIMATED COST Approximately \$14 million
(X) SCHEDULE REQUIREMENTS SEE ATTACHED
(X) EXCLUSIVE OR UNIQUE CAPABILITY SEE ATTACHED
(X) OTHER SEE ATTACHED

APPROVED BY: 
DEPARTMENT HEAD DATE
OR DESIGNEE

BOARD CHAIRPERSON

5/6/05
DATE

**OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATIONS
JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT
FOR FIRE DIGITAL RADIO PLAN
BY MOTOROLA, INC.**

The Office of Emergency Management and Communication (OEMC) has spent nearly five years analyzing its current radio capabilities and developing a plan to convert to a digital simulcast radio system. This new radio system will consist of 24 base sites, over 3,000 mobile radios, and multiple transmitters and receivers. One sole source contract with Motorola to build, install and provide all equipment for the entire system is justified for the following reasons:

- Motorola is the only vendor in the country that has implemented a digital simulcast radio system in a city or state of comparable size;
- Motorola will expand already-existing infrastructure, preserving the City's prior investment of nearly \$2 million;
- The City's new Operations Center contains electronic equipment that is compatible only with Motorola components;
- The City can upgrade, rather than replace, existing Motorola equipment, saving millions of dollars in replacement radios;
- Motorola's fire digital radio plan has been approved by the United States Department of Defense as meeting homeland security requirements;
- Including all necessary equipment, services and construction on one contract enables the City to hold Motorola accountable for entire system-wide success should any individual aspect of it fail.

BACKGROUND

Since 2000, OEMC has worked to address concerns about increased radio coverage, the security of radio frequencies, and the ability for the Police and Fire Departments to communicate with each other. As a result of these concerns, OEMC and the Chicago Fire Department (CFD) developed a plan to convert from an analog to a digital radio system, which for the first time will allow the City to coordinate over the air the efforts of multiple agencies responding to an emergency.

The plan developed by OEMC and CFD includes the purchase or upgrade of hand-held radios and the development of special software to allow the City to monitor the system's functions. This plan also includes retrofitting 20 existing base stations and constructing four new transmission sites.

The City's overall digital radio plan will be implemented in phases. The first phase, which was completed in 2003, introduced a limited digital radio system to EMS personnel. Motorola designed, implemented and maintains the EMS digital radio system, which has met all existing standards. The cost of Phase I was approximately \$2 million.

The second phase upgrades and expands EMS digital capability to the remaining members of the Chicago Fire Department. Among other things, Phase II will provide firefighters with greater high rise building "penetration," and for the first time will allow police officers and firefighters to communicate over the same radio frequencies. The anticipated cost of Phase II is approximately \$15 million, which will be paid for by homeland security grants. At this time, OEMC is requesting sole source approval for a contract for the second phase of this plan.

ESTIMATED COST

Based on the OEMC, CFD and Motorola proposal, OEMC estimates the total cost of this project to be \$15 million. OEMC has allocated \$11 million from its existing Urban Area Security Initiative (UASI) grants for this project. The remaining \$4 million will be paid for through 2005 UASI funds, which should be provided to the City in the summer of 2005. We have received written sole source approval from the US Department of Homeland Security.

EXCLUSIVE OR UNIQUE CAPABILITY

The City's fire digital radio plan is extremely complex. It involves the retrofitting and reconstruction of multiple sites, sophisticated software, extensive electrical work, and installation of antennae, transmitters, and receivers, and the programming of thousands of hand-held radios. There are very few vendors who have the technical expertise or the capacity to design and install a digital simulcast radio system. To our knowledge, only one company – Motorola – has actually implemented a digital simulcast radio system that meets Chicago's standards.

A critical feature of Chicago's proposed system is that it meets a "P25" standard. This standard was developed by the National Telecommunications Industry Association, a group comprising engineers, the federal government, public safety agencies, and public frequency coordinating organizations. The P25 standard assures that the mode of transmission contains enough "slots" for the various kinds of information that must be conveyed – slots for voice information, identification information, etc. Motorola is the only company that has actually produced digital radio equipment that meets this standard.

Furthermore, Motorola is the only company of which we are aware that has implemented digital simulcast systems on a large scale. It has designed and installed systems for the State of New Hampshire, the State of North Dakota, Bergen County, the Iowa Department of Transportation, the Kentucky State Police, Monroe County, the Town of Darien, Connecticut, and the Los Angeles Police Department. No other vendor has proven that they have the ability to implement a system of this complexity.

Due to Motorola's unique expertise in this area, OEMC has worked closely with Motorola to design the City's fire digital radio plan. The plan draws on Motorola's experiences by incorporating various security features developed for other cities. Implementation of the plan will take at least 18 months, and will require simultaneous software development, site surveys, tower construction, and radio retrofitting. OEMC is not aware of any other vendor that has the technical expertise, the physical resources, or the experience to implement the plan within the proposed 18-month time frame.

OTHER CONSIDERATIONS

The Proposed Plan Preserves The City's Investment In Phase I Of \$2 Million

In 2003, the City introduced a limited digital simulcast system for EMS personnel. Phase I, which was designed and installed by Motorola, relies on 8 base sites and uses approximately 250 radios. If Motorola is awarded the contract for Phase II, these base stations will require limited retrofitting and the existing radios can be upgraded to operate on the new simulcast system. The cost of these upgrades will be minimal.

If the City uses a different vendor to implement Phase II of the wireless plan, equipment installed or upgraded during Phase I must be replaced. Because the City's radios transmit signals by means of software owned by Motorola, a new vendor must replace the mobile radios, develop new software, and reconfigure 24 receivers and transmitters. The City will lose its initial investment in Phase I of \$2 million and incur substantial additional costs to replace what is now a fully operational system.

The City Can Build On Existing Motorola Equipment

The City's public safety departments have used Motorola radio equipment since 1956. Indeed, within the past two years, OEMC has received sole source approval for two Motorola contracts: a term agreement and a parts and service agreement. Currently, the CFD has approximately 3,000 portable and mobile Motorola radios, which are worth an estimated value of \$8 million. Motorola can convert many of these radios to digital technology, through its proprietary FLASHport technology. The ability to upgrade existing radios will save the City significant time and money in implementing Phase II.

A new vendor will not be able simply to upgrade existing radios because Motorola owns the embedded software. Instead, the City must replace its 3000 mobile radios with new devices and new software at a substantial additional (and yet undetermined) cost. It also will have to enter into a separate maintenance agreement to repair those new radios, instead of using its existing citywide maintenance contract.

The City's New Operations Center Contains Equipment That Is Compatible Only With Motorola Components

OEMC built this fall a new Operations Center to coordinate the City's response to large-scale emergencies and non-emergency events. The City has invested several million dollars in new equipment, including computer aided dispatch consoles and various kinds of radio equipment. This new equipment has features that have been programmed to work only with Motorola simulcast signals. Use of a vendor other than

Motorola to build the City's fire digital radio system will not allow the City to use these specially-designed components or the new equipment in the manner intended.

OEMC and Motorola's Plan Has Been Approved By The Department of Defense, and Sole source Approval Has Been Given By The US Department of Homeland Security

The City's digital radio plan incorporates the lessons learned since 9/11 about the role of public safety communication in homeland security. The fire digital radio plan OEMC has developed with Motorola incorporates many features to address those concerns, including new security features, remote alerts, redundancy, and heightened building penetration. The overall plan has been reviewed and approved by the Department of Defense's Rapidcom 9/30 team, and found to meet its strict requirements. This approval meets OEMC's homeland security funding obligations, and assures the City that its plan will enhance the safety of its citizens. In addition, the Department of Homeland Security, which will provide the funding for this project, has approved the use of a sole source contract.

Any proposal by a different vendor must be reviewed by the Department of Defense. This will delay implementation of the plan for months, if not more than one year, and will set the City back in its efforts to improve public safety. Motorola's expertise in this area, its proven track record in implementing digital simulcast systems, the cost savings to the City, and the prior approval of its existing proposal make a sole source contract with Motorola for this project a necessity.

MBE/WBE UTILIZATION

Motorola has provided a proposed MBE/WBE compliance plan, which is attached to this request. Given the fact that the City has different MBE/WBE goals for construction than for commodities, we look to DPS for guidance on what level of utilization the City would request from Motorola under a large-scale contract of this kind. We are committed to working with DPS and Motorola to develop a schedule that maximizes participation.

CITY OF CHICAGO ALL PURPOSE REQUISITION FORM

PAGE _____ OF _____	DEPT USE 1	DEPT USE 2										
DATE 5605	BUREAU/DIVISION Finance	SHIP CODE 991	SHIP TO OEARC	DATE NEEDED 5-12-05	PV NUMBER 20851							
LINE	COMMODITY CODE	SYS CODE	DESCRIPTION	CATALOG NAME/ #	CATALOG DATE	CATALOG PAGE	CATALOG ITEM/PART #	UNIT PRICE	UNIT OF MEASURE	QUANTITY ORDER	QUANTITY RCVD	TOTAL PRICE
	725	18	RADIO Equipment					476666.00	YEAR	3		1250000.00
	962	46	NON Construction SERVICES					66666.00	YEAR	3		2,000,000.00
	909	79	Installation					216666.00	YEAR	3		650,000.00
	964	84	CONSTRUCTION SERVICES					10,000.00	YEAR	3		30,000.00
			TRAINING									
COMMENTS:												

CHECK OR COMPLETE ALL THAT APPLY	PARTICIPATING TA #	NEW TA OR CONTRACT	SOLE SOURCE	CONTRACT AMENDMENT	EMERGENCY REQUEST	7-DAY BID	REJECTED

FY	LINE	FUND	DEPT	ORGN	APPR	ACTV	OBJT	PROJECT	RPTG	DOLLAR AMT.
03		764	58	1010	0140	220140			038FF91	

PAGE TOTAL	15,180,000.00
GRAND TOTAL (ALL PAGES)	15,180,000.00

FOR FINANCE OFFICE USE ONLY CONTRACTS REVIEW DATE FINANCE DIRECTOR DATE EPS PASS 1 DATE EPS PASS 2 DATE	VENDOR INFORMATION COMPANY NAME: Motorole C4E ADDRESS: 1309 E Algonquin Schauburg, IL 60196 VENDOR CODE: 701949 REP/PHONE: RAW JORDAN
INVOICE NUMBER(S)	
BUREAU/DIVISION INFORMATION SECTION MANAGER/ APFR PREPARED BY: Rochelle Simpson ADDRESS: 141 W. MADISON ST DATE: 5-6-05 PHONE: 312-746-9417 DEPUTY AUTHORIZATION: Ad (Signature) DATE: 5/6/05 PHONE: 6-9420	

**CITY OF CHICAGO
 PURCHASE REQUISITION**

Copy (Department)

DELIVER TO: 058- OEC1411 1411 W. MADISON Chicago, IL 60607	REQUISITION: 20851 PAGE: 1 DEPARTMENT: 58 - OFFICE OF EMERGENCY COMMUNICA PREPARER: Rochelle D Simeon NEEDED: APPROVED: 5/5/2005
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REQUISITION DESCRIPTION

Request for new Sole Source Motorola Contract for Fire/EMS from analog system to digital based system
 SPECIFICATION NUMBER: 36078

COMMODITY INFORMATION

LINE	ITEM	QUANTITY	UOM	UNIT COST	TOTAL COST								
1	72518 RADIO EQUIPMENT	#####	Year	0.00	0.00								
SUGGESTED VENDOR: MOTOROLA C & E, INC		REQUESTED BY: Rochelle D Simeon											
DIST	BFY	FUND	COST CTR	APPR	ACCNT	ACTV	PROJECT	RPT CAT	GENRL	FUTR	Dist. Amt.		
1	003	0764	0581010	0140	220140	0000	00000000	03BF91	00000	0000	0.00		
LINE TOTAL:											0.00		
2	96246 NON CONSTRUCTION SERVICES (INSTALLATION)	#####	Year	0.00	0.00								
SUGGESTED VENDOR: MOTOROLA C & E, INC		REQUESTED BY: Rochelle D Simeon											
DIST	BFY	FUND	COST CTR	APPR	ACCNT	ACTV	PROJECT	RPT CAT	GENRL	FUTR	Dist. Amt.		
1	003	0764	0581010	0140	220140	0000	00000000	03BF91	00000	0000	0.00		
LINE TOTAL:											0.00		
3	90979 CONSTRUCTION SERVICES	650,000.00	Year	0.00	0.00								
SUGGESTED VENDOR: MOTOROLA C & E, INC		REQUESTED BY: Rochelle D Simeon											
DIST	BFY	FUND	COST CTR	APPR	ACCNT	ACTV	PROJECT	RPT CAT	GENRL	FUTR	Dist. Amt.		
1	003	0764	0581010	0140	220140	0000	00000000	03BF91	00000	0000	0.00		
LINE TOTAL:											0.00		
4	96484 TRAINING	30,000.00	Year	0.00	0.00								
SUGGESTED VENDOR: MOTOROLA C & E, INC		REQUESTED BY: Rochelle D Simeon											
DIST	BFY	FUND	COST CTR	APPR	ACCNT	ACTV	PROJECT	RPT CAT	GENRL	FUTR	Dist. Amt.		
1	003	0764	0581010	0140	220140	0000	00000000	03BF91	00000	0000	0.00		
LINE TOTAL:											0.00		
REQUISITION TOTAL:											0.00		

Where a commodity is for a particular or unique use other than standard quality, grades, color, size or other characteristics, give details of how it will be and for what purpose.
 Requisitions prepared incorrectly will be returned to the using department.



April 25, 2005

Fire Digital Simulcast System Sole-Source Justification

To Whom It May Concern:

The City of Chicago uses communication systems in which sophisticated levels of technical criteria are required. These levels of technical criteria are necessary to enable the various Departments to communicate in an efficient and safe manner. One of these sophisticated systems is the existing EMS Digital Simulcast System. This system is an eight (8) site ASTRO Digital Conventional Simulcast System and was implemented in 2003 for a cost of \$1,345,879.00. The system was deployed as a partial system with a detailed plan to expand it once complete and thorough testing was completed. The successful testing has been completed and a full system design has been proposed. The existing (8) site Digital Simulcast System will be totally utilized as a part of the proposed Fire Digital Simulcast Expansion Proposal. The result will be a comprehensive citywide communication solution that will provide the necessary in building coverage for Fire and EMS.

“Motorola is the only vendor that can provide a UHF APCO 25 Conventional Simulcast System that will integrate with the City's existing 8 site EMS UHF ASTRO / APCO 25 Conventional Simulcast System”

The purchase of the proposed expansion system allows the City of Chicago to fiscally leverage and make best use of equipment already purchased as outlined below:

- An eight (8) site ASTRO Digital Conventional Simulcast System.
- EMS currently has about 250 Motorola XTS3500 Portable and ASTRO Spectra Mobile radios with an estimated value of \$725,000.00 (\$2,900.00 x 250 units). These radios have our FLASHport technology and can be upgraded to operate on the new Motorola Digital ASTRO Simulcast Conventional Radio System.
- CPD has around 3000 XTS3500 Portables and ASTRO Spectra Mobile radios in use on the existing analog conventional systems with an estimated value \$8,400,000.00 (\$2,800.00 x 3000 units). For interoperability purposes, these radios can be upgraded to operate on the new Motorola Digital ASTRO Simulcast Conventional Radio System via our FLASHport technology.
- Motorola and the City of Chicago currently have both an Equipment Contract and a Parts and Service Contract that most of the proposed equipment and services are a part of.
- Price validity via the Term Agreements to protect pricing on certain additional items that may be purchased over time.
- The Motorola solution offers improved interoperability among departments. All Police, Fire & EMS radios will now be on the same UHF band using the same XTS series of Motorola radios. No need for additional user training on different manufacturers radios. No need for duplicate inventory of parts and accessories of different vendors radios.



Additional Technical Elements To Consider:

- Motorola has been dedicated to the City of Chicago for many decades and truly understand the unique requirements for in-building coverage, redundancy, ruggedization, encryption, emergency requirements, fire ground operation, security, system administration and training.
- The Motorola solution has been designed with three Regions (North, South, Citywide), just like it is configured today which provides for minimal impact to operational procedures.
- The total Motorola System Solution has been reviewed and approved by the Department of Defense (DOD) Rapidcom 9/30 team.
- The Motorola system is APCO/Project 25 Compliant which is the industry standard technology recommended by the Homeland Security Department.
- The Motorola system design offers unique Advanced Simulcast Technology for better on street and in-building coverage.

“Motorola is the only vendor that can provide a UHF APCO 25 Conventional Simulcast System that will integrate with the City's existing 8 site EMS UHF ASTRO / APCO 25 Conventional Simulcast System”

If you require any additional information please do not hesitate to contact me.

Respectfully submitted,

A handwritten signature in black ink that reads 'Russ M. Lindsay'.

Russ McLindsay
Sales Manager
Motorola, Inc.
(847) 538-6045



MOTOROLA

April 26, 2005

Ms. Sarah Kremsner
City of Chicago
1411 West Madison
Chicago, IL 60607

RE: Fire Digital Simulcast System

Dear Ms. Kremsner:

It is the policy of Motorola to purchase goods and services necessary for the effective operation of our business from minority, woman, and disadvantaged business enterprises to the fullest extent possible. Motorola puts forth its best efforts to source and utilize qualified minority, woman, and disadvantaged business enterprises for subcontracting opportunities as well. Our proposal has a total cost of \$13,561,423 which is broken down as follows:

- 1 - Hardware & Embedded Software (e.g. radio equipment) - \$11,299,850
- 2 - Non Construction Services (e.g. installations, unloading trucks) - \$1,642,348
- 3 - Construction Services (construction of towers) - \$593,775
- 4 - Training - \$25,450

Most of the proposed solution comprises of manufactured equipment (item 1 above) and the vast majority of the components in item 1 are on the City's current contracts with Motorola. These contracts are the Parts & Services Contract and the Term Agreement. We currently meet the 16.9% MBE and 4.5% WBE participation as a part of these contracts.

We will include minority participation to the remaining portion of the contract (items 2, 3 & 4 above) to fullest extent possible. Our goal is to get very close to 100% minority participation in items 2, 3 & 4 above. If the opportunity presents itself to include more minority subcontracting, Motorola will, in good faith, try to increase the minority participation wherever possible.

If you have any questions or require additional information, please contact me at (847) 576-7073.

Sincerely,

Kathy Ahillen
Supplier Diversity Alliance Manager

CC: Russ McLindsay



U.S. Department of Homeland Security
Office for Domestic Preparedness

GRANT ADJUSTMENT NOTICE

1. GRANTEE NAME AND ADDRESS (Including Zip Code) Illinois Emergency Management Agency William Burke, Director 110 East Adams Springfield, IL 62701-1109		3. GRANT NUMBER 2003-EU-T3-0013	
1A. GRANTEE IRS/VENDOR NUMBER 100058801		4. ADJUSTMENT NUMBER 5	
2. PROJECT TITLE Fiscal Year 2003 Urban Area Security Initiative Grant Program II		5. DATE APR 26 2005	
		6. GRANT MANAGER Jay Roorbach	

SECTION I. DEOBLIGATIONS & REOBLIGATIONS

7. ACCOUNTING CLASSIFICATION CODE		9. PREVIOUS GRANT AWARD AMOUNT \$ 29,975,733	
FISCAL YEAR	FUND CODE	BUD. ACT.	OFC. DIV. REG. SUB. MBO
		10. REOBLIGATION AMOUNT \$	
DOCUMENT CONTROL NUMBER		11. ADJUSTED AWARD AMOUNT \$ 29,975,733	

SECTION II. CHANGES

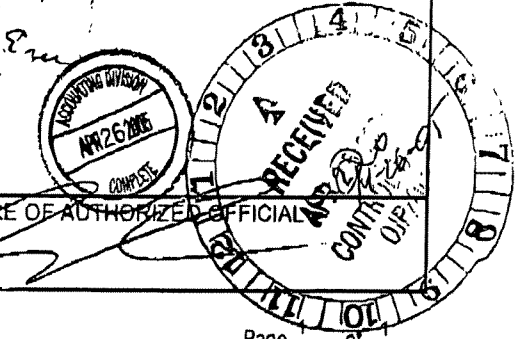
12. CHANGE GRANT MANAGER	FROM: _____	TO: _____
13. CHANGE GRANT PERIOD	FROM: _____	TO: _____

SECTION III. OTHER ADJUSTMENTS & INFORMATION

14

The Office for Domestic Preparedness (ODP) and the Office of the Comptroller have reviewed and approved the request for sole-source justification for procurement to purchase equipment for a first responders radio system for the Chicago Office of Emergency Management and Communications (OEMC) and the Chicago Fire Department (CFD) work within grant number 2003-EU-T3-0013 in the amount of \$4,035,775.00.

The grantee is reminded to continue submitting financial status reports (SF-289) and programmatic progress reports to facilitate the availability of funds.



15. TYPED NAME AND TITLE OF AUTHORIZED OFFICIAL
Timothy L. Beres, Director, Preparedness Programs Division

16. SIGNATURE OF AUTHORIZED OFFICIAL



U.S. Department of Homeland Security
Office for Domestic Preparedness

GRANT ADJUSTMENT NOTICE

1. GRANTEE NAME AND ADDRESS (Including Zip Code) City of Chicago Cortez Trotter, Executive Director 1411 W. Madison, 4th Floor Chicago, IL 60607-1809		3. GRANT NUMBER 2003-TU-TX-0001
1A. GRANTEE IRS/VENDOR NUMBER 366005823		4. ADJUSTMENT NUMBER 5
2. PROJECT TITLE Fiscal Year 2003 Urban Area Security Initiative Grant Program.		5. DATE APR 26 2005
		6. GRANT MANAGER Jay Roorbach

SECTION I. DEOBLIGATIONS & REOBLIGATIONS

7. ACCOUNTING CLASSIFICATION CODE		9. PREVIOUS GRANT AWARD AMOUNT \$ 10,896,000
FISCAL YEAR	FUND CODE BUD. ACT.	10. REOBLIGATION AMOUNT \$ 0
	DFC. DIV.REG. SUB. MBO	11. ADJUSTED AWARD AMOUNT \$ 10,896,000
DOCUMENT CONTROL NUMBER		

SECTION II. CHANGES

12. CHANGE GRANT MANAGER	FROM: _____	TO: _____
13. CHANGE GRANT PERIOD	FROM: _____	TO: _____

SECTION III. OTHER ADJUSTMENTS & INFORMATION

14
The Office for Domestic Preparedness (ODP) and the Office of the Comptroller have reviewed and approved the request for sole-source justification for procurement to purchase equipment for a first responders radio system for the Chicago Office of Emergency Management and Communications (OEMC) and the Chicago Fire Department (CFD) work within grant number 2003-TU-TX-0001 in the amount of \$7,200,000.00.

The grantee is reminded to continue submitting financial status reports (SF-269) and programmatic progress reports to facilitate the availability of funds.

15. TYPED NAME AND TITLE OF AUTHORIZED OFFICIAL Timothy L. Beres, Director, Preparedness Programs Division	16. SIGNATURE OF AUTHORIZED OFFICIAL <i>[Handwritten Signature]</i>
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Attachment C to Proposal Submitted 7/9/04

INFRASTRUCTURE COSTS				
<u>Site</u>	<u>Address</u>	<u>CFD/Exp By Site</u>	<u>Ch 5 Equip NSAD By Site</u>	<u>Towers</u>
CPD DISTRICT 4	2255 E. 103RD ST.	\$49,714	\$7,732	
AREA 2 C.P.D.	727 E. 111TH ST.	\$75,067	\$14,005	
311 Center (Backup Prime)	2111 W. LEXINGTON	\$532,086	\$54,367	
CPD DISTRICT 8	3515 W. 63RD ST.	\$140,250	\$14,005	
14TH DISTRICT C.P.D.	2150 N. CALIFORNIA	\$73,449	\$14,005	
24TH DISTRICT - C.P.D.	6464 N. CLARK	\$75,067	\$14,005	
CLARK PLACE APTS.	2625 N. CLARK	\$49,973	\$7,732	
C.F.D. - FIRE ACADEMY	1010 S. CLINTON	\$92,753	\$14,005	
3RD DISTRICT C.P.D.	7040 S. COTTAGE GROVE	\$75,067	\$14,005	
C.H.A. BUILDING WICKER PARK	1414 N. DAMEN	\$49,109	\$7,732	
OLD 16TH DISTRICT - C.P.D.	5430 W. GALE	\$73,449	\$14,005	
AREA 5 - C.P.D.	5555 W. GRAND	\$49,394	\$7,732	
AREA 4 C.P.D.	3151 W. HARRISON	\$75,067	\$14,005	
CITY HALL	121 N. LA SALLE	\$170,846	\$14,005	
HYATT REGENCY	2233 S. MLK DRIVE	\$49,109	\$7,732	
18th DISTRICT C.P.D.	1160 N. LARRABEE	\$69,397	\$7,732	
OEMC (Prime Site)	1411 W. MADISON	\$439,167	\$54,899	
OEMC Rx	1411 W. MADISON	\$68,793	\$6,804	
ENGINE 32 - C.F.D.	5550 S. NARRAGANSETT	\$49,714	\$7,732	
O'HARE PARKING GARAGE	O'HARE FIELD	\$139,282	\$14,005	
JARDINE WATER PLANT	1000 E. OHIO	\$164,681	\$14,005	
C.F.D. - SHOPS	3100 S. SACRAMENTO	\$70,579	\$14,005	
TORRENCE AVE BRIDGE	12700 S. TORRENCE	\$141,172	\$14,005	
TRUCK 24 - C.F.D.	10402 S. VINCENNES	\$140,250	\$14,005	
AREA 1 C.P.D.	5101 S. WENTWORTH	\$49,714	\$7,732	
Equip Total		\$2,963,148	\$373,992	\$0
Services		\$1,261,852	\$380,496	\$593,775
Total Infrastructure		\$4,225,000	\$754,488	\$593,775

Portable Configuration:			
QTY	Description	Unit Price	Extended
200	5 watt, Time Out Timer, MDC1200 ID, Conventional Analog Operation, Mode Slave, Channel Scan, Selective Radio Inhibit, RF Antenna Switch, Antenna, UHF, 450-520MHz, XTS5000 Model II Model # H18SDF9PW6_N	\$2,375.00	\$475,000.00
1,000	5 watt, Time Out Timer, MDC1200 ID, Conventional Analog Operation, Mode Slave, Channel Scan, Selective Radio Inhibit, RF Antenna Switch, Antenna, UHF, 450-520MHz, XTS5000 Model I Model # H18SDC9PW5_N	\$1,955.00	\$1,955,000.00
200	Substitute: Digital ID Display Model # H14	\$75.00	\$15,000.00
1,200	Astro CAI Operation Model # Q806	\$454.00	\$544,800.00
1,200	AES Encryption, UCM Hardware w/ Multikey Model # Q15 / H869 / H159	\$812.00	\$974,400.00
200	Repeater Access (MDC12200, Singletone) Model # H101	\$80.00	\$16,000.00
1,000	Ruggedized Housing w/ FM Ruggedized Battery Model # H499	\$297.00	\$297,000.00
Portable Accessories:			
10	Wrench Tool for RF Antenna Switch Model # NTN8270	\$2.56	\$25.60
2	Torque Tool for RF Antenna Switch Model # 6685046F01	\$66.50	\$133.00
110	Multi Unit Impres Charger w/ Display Model # WPLN4130A	\$958.50	\$105,435.00
1,200	Impres NiMH FM Rugged Battery (1750mAh) Model # NTN4437B	\$102.95	\$123,540.00



OEMC
Astro Digital Simulcast System

Section 6
Cost Breakdown

540	Single Unit Impres Charger Model # WPLN4111AR	\$117.15	\$63,261.00
1,200	High Activity, Leather Swivel Case Model # NTN8386	\$42.60	\$51,120.00
150	Public Safety Mic. w/ 30" Straight Cord Model # NMN6247	\$106.50	\$15,975.00
150	Stub Antenna for PSM Model # 8505644V06	\$11.71	\$1,756.50
1,050	Commander Remote Speaker Microphone Model # RMN5023A	\$131.35	\$137,917.50
Total Portable			\$4,776,363.60

Mobile Configuration:			
QTY	Description	Unit Price	Extended
870	20-40 watt, Channel Scan, MDC1200, Speaker, Microphone, Alpha-Numeric Control Head, Mounting Hardware Astro Spectra UHF Mobile Model # T99DX / 167W	\$2,853.00	\$2,482,110.00
870	Substitute: Digital ID Display Model # G114	\$75.00	\$65,250.00
200	Repeater Access (MDC1200, Singletone) Model # G101	\$80.00	\$16,000.00
870	Astro CAI Operation Model # G806	\$454.00	\$394,980.00
870	AES Encryption, UCM Hardware w/ Multikey Model # G843 / W969	\$812.00	\$706,440.00
Mobile Accessories:			
100	Control Unit, Ancillary F / R for Spectra w/ second Control Head, Speaker, Microphone and 22' cable from rear unit to radio. Model # W800	\$975.00	\$97,500.00
100	13 Watt, Water Resistant Speaker Model # G832	\$60.00	\$6,000.00



OEMC
Astro Digital Simulcast System

Section 6
Cost Breakdown

200	8 Mode DEK Model # W599	\$180.00	\$36,000.00
200	Rear Control Head Cable, 40' Model # YKN4243	\$86.62	\$17,324.00
200	DEK Relay Pod Front Rear Model # G868 (Required if operating DEKs on both Front & Rear control head. - 1 for each DEK)	\$30.00	\$6,000.00
150	16 Mode DEK Model # HLN1366B (W614)	\$212.29	\$212.29
150	Interface Cable Spectra Model # TDN6745A	\$315.95	\$315.95
150	Status Message Side Mount Kit Model # HLN5157	\$8.70	\$8.70
150	REL 12V Model # 5900813674	\$37.45	\$37.45
150	Handset/Hang-up SYS9000/Spectra Model # HLN1220	\$188.86	\$188.86
Total Mobile			\$3,828,367.25

Console Configuration:			
QTY	Description	Unit Price	Extended
20	20-40 watt, W9, UHF 450-482MHz, Astro Spectra CONSOLETTTE Model # T99DX / 244L	\$3,714.00	\$74,280.00
20	Stat Alert Encode / Decode Feature Model # H270 Substitute: Digital ID Display Model # G114	\$75.00	\$1,500.00
20	Astro CAI Operation Model # G806	\$454.00	\$9,080.00
20	AES Encryption w/ Multikey Model # G843 / W969	\$812.00	\$16,240.00
Total			\$101,100.00



ASTRO SPECTRA MOBILE FLASHPORT UPGRADE:			
QTY	Description	Unit Price	Extended
200	Analog Conventional Pkg.	\$0.00	\$0.00
200	ENH: Astro Digital CAI Operation	\$770.00	\$154,000.00
200	ENH: Upgrade to Digital Conv.	\$75.00	\$15,000.00
200	ENH: Digital ID	\$75.00	\$15,000.00
200	ENH: Multikey	\$330.00	\$66,000.00
200	AES Encryption Kit - UCM	\$663.00	\$132,600.00
Total Mobile Upgrade			\$382,600.00

Total Subscriber & Accessories Equipment **\$9,088,430.85**

Cost Summary:

EMS / CFD System Expansion	\$4,225,000.00
Channel 5 Citywide	\$754,448.00
Tower Construction	\$593,775.00
Subscribers & Accessories	\$9,088,430.00
Training	\$25,450.00
Subtotal	\$14,687,103.00
Turn Key System Discount & Trade-in Allowance	(\$1,125,680.00)
Total	\$13,561,423.00





City of Chicago
Richard M. Daley, Mayor

Department of General Services

Michi E. Peña
Commissioner

Suite 3700
30 North LaSalle Street
Chicago, Illinois 60602-2586
(312) 742-3124
(312) 744-9883 (FAX)
<http://www.cityofchicago.org>

MEMORANDUM

TO: Ron Huberman
Executive Director
Office of Emergency Communications

FROM: 
Michi E. Peña
Commissioner

DATE: May 5, 2005

RE: Fire Digital Radio Migration Plan

The Department of General services has reviewed your Fire Digital Radio Migration plan. We have also reviewed your request/justification for a non-competitive procurement for this plan with Motorola, Inc.

Based on your key bullet points and the justification the Department of General Services concurs. We agree with your statement that it is in the best interest of the City to enter into a sole source agreement with Motorola, Inc.

Should you require further assistance please feel free to call Thomas W. Vukovich at 744-2708.

Thank you.

attachment

cc: Kevin Gujral
John Harris
John Plezbert
Nicholas J. Ahrens *nja*
Beth O'Reilly
Adrienne Hiegel
Mary Capecci
Thomas W. Vukovich *TWV*

MEP/TWV/med/discC



CPAC PROJECT CHECKLIST

For CPAC Team Use Only	
Date Received	_____
Date Returned	_____
Date Accepted	_____

IMPORTANT: PLEASE READ AND FOLLOW THE INSTRUCTIONS FOR COMPLETING THE PROJECT CHECKLIST AND CONTACT THE APPROPRIATE TEAM LEADER IF YOU HAVE ANY FURTHER QUESTIONS. ALL INFORMATION SHOULD BE COMPLETED INCLUDING THE SUPPLEMENTAL CHECKLIST REQUIRED BY THE SPECIFIC CPAC TEAM. ATTACH ALL REQUIRED MATERIALS AND SUBMIT FOR HANDLING TO THE DEPARTMENT OF PROCUREMENT SERVICES, ROOM 403, CITY HALL, 121 N. LASALLE STREET, CHICAGO, ILLINOIS 60602.

PROJECT

Date: 5-6-05 Contact Person: SARAH KREMSNER
 ID No (Spec, RX, Project): 20851 Tel: 6-9477 Fax: 6-3647 E-mail: _____
 Department: OEMC Project Manager: _____
 Bureau: FINANCE Tel: _____ Fax: _____ E-mail: _____
 Contract No (if known): Spec# 36078 Estimated Value \$ _____
 Project Title/Description: FIRE/EMS Analog System to Digital Based System

SCOPE STATEMENT

_____ attached is a detailed scope of services and/or specification

IMPORTANT: THIS IS A CRITICAL PORTION OF YOUR SUBMITTAL. IN ORDER FOR A TEAM TO ACCEPT YOUR SUBMITTAL YOU MUST COMPLETE ALL TEAM SPECIFIC SCOPE REQUIREMENTS AS SET FORTH IN THE SUPPLEMENTAL CHECKLIST FOR THAT TEAM.

The following is a general description of what would be included in a Scope of Services or Specification:
 A clear description of all anticipated services and products, including: time frame for completion, special qualifications of prospective vendors, special requirements or needs of the project, locations, anticipated participating user departments, citation of any applicable City ordinance or state/federal regulation or statute.

TYPE OF PROCUREMENT REQUESTED (check all that apply)

Competitive Bid RFQ/RFP/RFS/RFI Sole Source** Term Agreement One Shot
 Mod/Amendment Time Extension Additional Funding Small Order S/O Emergency

FORMS

<input type="checkbox"/> F-25* (add line item)	<input type="checkbox"/> F-10* (special approvals)	<input checked="" type="checkbox"/> SSRB** (sole source approval)
<input type="checkbox"/> F-26* (new term agreement)	<input type="checkbox"/> RX (one-shot requisition)	<input type="checkbox"/> OBM Authorization
<input type="checkbox"/> F-27* (time extension)	<input checked="" type="checkbox"/> APRF (all purpose request form)	
<input type="checkbox"/> F-29* (change vendor limit)		

** Sole source requests must include vendor quotes/proposal and MBE/WBE compliance requirements

FUNDING

City: Corporate Bond Enterprise Grant* Other _____
 State: IDOT/Transit IDOT/Highway Grant* Other _____
 Federal: FHWA FTA FAA Grant* Other _____
 Funding Strip(s): 03 764 58 1010 220140 03BF91

* Attach copy of any applicable grant agreement terms and conditions

TIME FRAME

Date Needed: ASAP Requested Contract Term (y/m/d): 3 YRS

PRE BID/SUBMITTAL REQUIREMENTS

Requesting Pre Bid/Submittal Conference? Yes No Requesting Conference be Mandatory? Yes No
 Requesting Site Visit? Yes No Requesting Site Visit be Mandatory? Yes No

CPAC PROJECT CHECKLIST

ARCHITECTURAL/ENGINEERING SUPPLEMENTAL CHECKLIST

Required Attachments: Scope of Services, including location, description of project, services required, deliverables, and other information as required

Risk Management

Will services be performed within 50 feet of CTA train or other railroad property? Yes No
Will services be performed on or near a waterway? Yes No

Pre-Qualification Category No. _____ Category Description: _____

For Pre-Qualification Program, attach list of suggested firms to be solicited

Other Agency Concurrence Required: None State Federal Other (fill in) _____

AVIATION CONSTRUCTION SUPPLEMENTAL CHECKLIST

DOA sign-off for final design documents: Yes No

Required Attachments:

Copy of Draft Contract Documents and Detailed Specifications.

Risk Management:

Current Insurance Requirements prepared/approved by Risk Management: Yes No

Will work be performed within 50 feet of CTA or ATS structure or property? Yes No

Will work be performed airside? Yes No

CAPITAL EQUIPMENT (VEHICLES) SUPPLEMENTAL CHECKLIST

Required Attachments:

Detailed Specifications including detailed description of the vehicle(s) or equipment, mounted equipment, if any, and options/accessories.

Special Provisions (Delivery, Warranty, Manuals, Training, Additional Unit Purchase Options, Bid Submittal Information, etc.)

Delivery Location(s)

Technical Literature

Drawings, if any

Part Number List (Manufacturer; or Dealer; or Other Source: _____)

Copy of current Price List(s)/Catalog(s)

Form F-10 or other authorization document

Any other exhibits and attachments

COMMODITIES SUPPLEMENTAL CHECKLIST

Required attachments:

Copies of price lists, catalogs, drawings, variations of part numbers

Any other exhibits or attachments

CONSTRUCTION SUPPLEMENTAL CHECKLIST (LARGE & SMALL)

Required attachments: Copy of Draft (80% Completion)

Copy of Draft (80% Completion) Contract Documents and Detailed Specifications

Risk Management

Will services be performed within 50 feet of CTA train or other railroad property? Yes No Unknown

Will services be performed on or near a waterway? Yes No

CPAC PROJECT CHECKLIST

DELEGATE AGENCY SUPPLEMENTAL CHECKLIST

Required attachments:

Attach Scope of Services that includes the following information 1) Program background & objectives; 2) Type of services for which proposals are sought; 3) Location and time line for delivery of services; 4) Qualifications, skills, and/or experience necessary; 5) Special licenses or certifications required; 6) Evaluation process (if known).

Other Attachments (please submit all that apply)

1. Copy of grant application and/or grant agreement
2. Evidence of award authority (DAAC agenda with agency name highlighted; City Council ordinance with agency name highlighted; or OBM letter)
3. Modification information (Copy of Form F-8A; screen print of EPS AWDS table)

Does program require Executive Order 91-1 clearance?

Yes No

Is boilerplate from Law available or in production?

Yes No

Would your department benefit from technical assistance?

Yes No

HARDWARE/SOFTWARE SUPPLEMENTAL CHECKLIST

ITSC (approved by BIS)

OBM (approved by Budget form/memo)

Attach any documentation indicating any previous purchase activity to assist in the procurement process

Grant document attached *Grant Adjustment Notices*

PROFESSIONAL SERVICES SUPPLEMENTAL CHECKLIST

Detailed scope of services as described on page 1.

The Schedule of Compensation

Deliverables

Request for individual contract services (if applicable)

The appropriate EPS form

* If this is a Telecommunications/Utilities project, please also address the following:

Has the project been reviewed by DGS? Yes No

Attach copy of DGS Recommendation; Reservation(s); or participate under current contract.

Does the project include software? Yes No

If yes, is signed ITSC form attached? Yes No

Does the location involve:

A public way? Yes No UNKNOWN

Any concession in the City's facilities? Yes No

Is it anticipated City Council approval of the project or contract will be required? Yes No

CPAC PROJECT CHECKLIST

SMALL ORDERS SUPPLEMENTAL CHECKLIST

Yes No

- ___ ___ 1. Special Approval Form/Justification Letter.
e.g. (Emergency Contract, Telecommunication Back-up documents, Proposals , EPS Form F-10, etc.).
- ___ ___ 2. Suggested Vendor.
- ___ ___ 3. Commodity Code, Manufacturer, Catalog Information, Model No., Quantity, Unit Cost/Measure, Color etc.,
- ___ ___ 4. Detailed Specification or Scope of Work.

ATTACHMENT REQUIRED FOR EACH SMALL ORDERS PROCUREMENT TYPE

(Check Appropriate Group)

1. ONE SHOT (PN)

- YES () NO () Detailed Specifications
 YES () NO () Suggested Vendor
 YES () NO () Support Documentation

3. EMERGENCY CONTRACT

- YES () NO () Justification Letter
 YES () NO () Vendor Proposal
 YES () NO () Pre-assigned Requisition (RX)

2. SOLE SOURCE REQUIREMENTS

- YES () NO () Vendor Proposal
 YES () NO () Disclosure Affidavit
 YES () NO () Letter of Exclusive or Unique Capability
 YES () NO () Support Documentation from Vendor/Manufacturer.
 YES () NO () Signature(s) of Originator or Departmental Head/Designee.

4. TELEPHONE/FAX BIDS

- YES () NO () Justification Letter

WORK SERVICES & FACILITY MAINTENANCE SUPPLEMENTAL CHECKLIST

Required Attachments: Detailed Specifications (Scope of Services) including detailed description of the work, locations (with supporting detail), user department contacts, work hours/days, laborer/supervisor mix, compensation and price escalation considerations, contract term and extension options, contractor qualifications, citation of any applicable City/State/Federal statutes or regulations, citation of any applicable technical standards and price lists, catalogs, technical drawings and other exhibits and attachments as appropriate.

Risk Management

- Will services be performed within 50 feet of CTA train or other railroad property? ___Yes ___No
- Will services be performed on or near a waterway? ___Yes ___No
- Will services require the handling of hazardous/biowaste material? ___Yes ___No
- Will services require the blocking of streets or sidewalks in any way?
Which may affect public safety? ___Yes ___No



City of Chicago
Richard M. Daley, Mayor

Office of Emergency Management
and Communications

Ron Huberman
Executive Director

1411 West Madison Street
Chicago, Illinois 60607
(312) 746-9111
(312) 746-9120 (FAX)
<http://www.cityofchicago.org>

May 6, 2005

Mr. Phillip Cobb
Deputy Procurement Officer
Department of Procurement Services
121 N. LaSalle Street, Suite 403
Chicago, Illinois 60602

SUBJECT: Sole Source Request
CONTRACT TYPE: Commodity/Construction/Professional
Services
CONTRACT TITLE: EMS/Fire Digital Radio
VENDOR: Motorola
ESTIMATED PROJECT COST: Approximately \$15 million

Dear Mr. Cobb:

I am writing to submit a request to the Sole Source Review Board to allow OEMC to enter into an agreement with Motorola for the creation, construction and implementation of the City's Fire Radio-Digital project. The scope of work involves the transfer of the current Fire/EMS analog radio system, which is rapidly becoming antiquated, to one that is digital-based. Since the City's police, fire and EMS personnel use Motorola radios on a sole source basis, Motorola is best suited for the software and construction related to migrating to a digital system.

In support of this request, please find the attached: (1) the CPAC Checklist; (2) requisition # 20851; (3) the Justification for Non-Competitive Procurement form; (4) a general Scope of Work; (5) a letter from the vendor outlining its unique ability to provide this service; (6) a letter from the vendor outlining potential MBE/WBE opportunities on this project; (7) DGS's recommendation concerning this request; and, (8) Grant Adjustment Notices from the US Department of Homeland Security approving the sole source use of these grant dollars.

Please feel free to contact me directly at 6-9420 with any questions.

Sincerely yours,

Adrienne Hiegel
Managing Deputy Director for Finance and Administration

cc: Lourdes Nur

