

**CITY OF MIAMI BEACH
COMMISSION ITEM SUMMARY**



Condensed Title:

A Resolution Appropriating Funds and Waiving by 5/7ths Vote, the Formal Competitive Bidding Requirements, and Authorizing the Administration to Purchase a Fire Alert System From Motorola in the Amount of \$213,524.

Issue:

Shall the Commission Adopt the Resolution?

Item Summary/Recommendation:

The Fire Department is in need to purchase a new fire alerting system that is used to alert the fire stations of any calls from the 911 center. The present fire alerting system used by the Fire Department is from a company called Telecom. This technology was developed in the 1960's and is based on an analog "ring down" system. The system is no longer supported by Telecom as all of the new alerting systems are digital and the alerting measures go out via radio, and are also routed through the computer aided dispatch at the PSCU.

The need exists to have the two new stations equipped with an alerting system and a digital system is the only option. The system cannot have some stations on an analog ring down and some on a digital system. All of the stations have to be changed and brought on line at the same time.

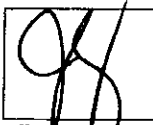
Motorola has proposed a turn key solution to the City and will assume all responsibility for making the fire alert system work. The alternative of acquiring the needed equipment and services separately would result in the City being responsible for integrating all the pieces.

ADOPT THE RESOLUTION.

Advisory Board Recommendation:

N/A

Financial Information:

Source of Funds:	Amount	Account	Approved
 Finance Dept.	1	\$213,524	Master Equipment Lease/
	2		Purchase Agreement with
	3		Banc of America Leasing &
	4		Capital, LLC
	Total		

Sign-Offs:

Department Director	Assistant City Manager	City Manager
GA <u> </u> EJ <u> </u> GL <u>gl</u>	FJ <u> </u>	JMG <u> </u> FR <u> </u>

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AGENDA ITEM C7E
DATE 9-28-04

CITY OF MIAMI BEACH

CITY HALL 1700 CONVENTION CENTER DRIVE MIAMI BEACH, FLORIDA 33139
www.miamibeachfl.gov



COMMISSION MEMORANDUM

To: Mayor David Dermer and
Members of the City Commission

Date: September 28, 2004

From: Jorge M. Gonzalez *JMG*
City Manager

Subject: A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, APPROPRIATING FUNDS FROM THE MASTER EQUIPMENT LEASE/PURCHASE AGREEMENT WITH BANC OF AMERICA LEASING & CAPITAL, LLC, FOR THE PURCHASE OF A FIRE ALERT SYSTEM IN THE AMOUNT OF \$213,524; FURTHER WAIVING BY 5/7THS VOTE, THE FORMAL COMPETITIVE BIDDING REQUIREMENTS FINDING SUCH WAIVER TO BE IN THE CITY'S BEST INTEREST, AND AUTHORIZING THE ADMINISTRATION TO PURCHASE A FIRE ALERT SYSTEM FROM MOTOROLA IN THE AMOUNT OF \$213,524.

ADMINISTRATION RECOMMENDATION

Adopt the Resolution.

FUNDING

\$213,524. Funds to be appropriated from the Master Equipment Lease/Purchase Agreement with Banc of America Leasing & Capital, LLC.

ANALYSIS

The Fire Department is in need to purchase a new fire alerting system that is used to alert the fire stations of any calls from the 911 center. The present fire alerting system used by the Fire Department is from a company called Telecom. This technology was developed in the 1960's and is based on an analog "ring down" system. The dispatcher presses a button on the console and the alert is transmitted via phone lines to the station and activates the appropriate bells, tones and lights to notify the crew that they have a call. The system is no longer supported by Telecom as all of the new alerting systems are digital and the alerting measures go out via radio, and are also routed through the computer aided dispatch at the PSCU.

The need exists to have the two new stations equipped with an alerting system and a digital system is the only option. The system cannot have some stations on an analog ring down and some on a digital system. All of the stations have to be changed and brought on line at the same time.

There also exists the problem that the alerting system at Fire Station 2 has finally broken down to the state that it cannot be repaired. We are presently using the telephone to notify units that they have a call, which runs the risk that a unit may not hear the phone and miss a call.

There are four main areas relative to the acquisition of equipment and services of the fire alerting system:

1. Zetron Fire Alerting Equipment;
2. Motorola Radio Component;
3. Printrak CAD Interface; and
4. Services (Installation / Training).

Motorola has proposed a turn key solution to the City and will assume all responsibility for making the fire alert system work. The alternative of acquiring the needed equipment and services separately would result in the City being responsible for integrating all the pieces.

The attached quote was formulated pursuant to Palm Beach County's contract with Motorola, which was competitively bid. Said contract extends a 10% discount to Non-Motorola purchases (i.e. Zetron) and 15% discount to Motorola products.

The Computer Aided Design (CAD) interface is a software quote directly from Printrak to Motorola and the services were priced in accordance with the statement of work agreed to during our site walks.

The following Cities have purchased fire alert systems from the Palm Beach County contract in the last four (4) years, and they are all satisfied with the system:

Boynton Beach Fire Department
Sunrise Fire Department
Pembroke Pines Fire Department
Deerfield Beach Fire Department

CONCLUSION

The Administration recommends that the Mayor and City Commission of the City of Miami Beach, Florida, adopt the attached resolution, herein appropriating funds and waiving by 5/7ths vote the formal competitive bidding requirement, and approving the purchase of a fire alerting system from Motorola in the amount of \$213,524.

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MOTOROLA
intelligence everywhere™

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Homestead, FL 33030
Steven Melnick
Fax : 305 248 7507

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Information Technology Dept. 1000200262
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Miami Beach, FL 33139

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305 592 0977
Cell 561 719 2805

Date 7/26/2004 Fire Alert System Equipment

Item	Qty	Model Num.	Description	Price EA.	Price Extended	Discounted per PBCSB	%
UHF Repeaters							
2	T5365		UHF Quantar	\$7,115.00	\$14,230.00	\$12,096.00	15%
2	X640		DPL and Continuous duty	\$5,636.00	\$11,272.00	\$9,582.00	15%
2	X597A		Analog	\$1,150.00	\$2,300.00	\$1,955.00	15%
2	X580		Repeater function	\$0.00	\$0.00	\$0.00	15%
2	X30		Emergency revert	\$310.00	\$620.00	\$527.00	15%
2	X182		UHF Duplexer	\$1,380.00	\$2,760.00	\$2,346.00	15%
Antenna Network							
2	DSSL110V		Surge suppressor	\$265.00	\$530.00	\$477.00	10%
2	TDE7232		4.0 DB Fiberglass antenna	\$910.00	\$1,820.00	\$1,640.00	10%
500	L1705		1/2" low density foam cable per foot	\$3.60	\$1,800.00	\$1,620.00	10%
UHF Control Station							
4	AAM25SHD9AA2		UHF CDM1250 W/25 watts	\$725.00	\$2,900.00	\$2,465.00	15%
4	RLN5403A		Control Station package w/ power supply	\$650.00	\$2,600.00	\$2,210.00	15%
4	G400		2 year Depot warranty	\$32.00	\$128.00	\$116.00	0%
4	D95675		Tone remote adapter	\$650.00	\$2,600.00	\$2,340.00	10%
500	L1705		LDF antenna cable	\$3.60	\$1,800.00	\$1,620.00	10%
4	TDE6672		Yagi antenna	\$172.00	\$688.00	\$620.00	10%
4	TDN6017		Pipe Mount	\$55.00	\$220.00	\$198.00	10%
4	DSSNEMA		NEMA rated metal box for Security and Protection	\$950.00	\$3,800.00	\$3,420.00	10%

Item	Qty	Model Num.	Description	Price EA	Price Extended	Discounted per FBCSB	%
Dispatch Z26 System							
2	9019230	Dispatch 26/Status		\$3,180.00	\$6,360.00	\$5,724.00	10%
2	9019158	Model 26 user manual		\$25.00	\$50.00	\$45.00	10%
2	9508261	VAC Power supply		\$250.00	\$500.00	\$450.00	10%
2	7090650	SP Digital Data Cable		\$50.00	\$100.00	\$90.00	10%
2	9509561	Software control panel		\$0.00	\$0.00	\$0.00	10%
2	9509661	Zetron CAD support (By phone from Zetron)		\$1,980.00	\$1,980.00	\$1,782.00	10%
3	9519056	M6 spares		\$350.00	\$1,050.00	\$950.00	10%
2	95109055	Dispatch 26 spares		\$425.00	\$850.00	\$765.00	10%
1	9509199	SP Punch block		\$690.00	\$690.00	\$621.00	10%
Fire Station M6 System							
13	9019200	M6 Stations Primary		\$2,410.00	\$31,330.00	\$28,197.00	10%
3	9019159	M6 user manual		\$25.00	\$75.00	\$68.00	10%
13	9509242	PTT handset w/hook swith/also for PA		\$210.00	\$2,730.00	\$2,460.00	10%
13	950 9663	M6 Station software		\$0.00	\$0.00	\$0.00	10%
4	DSSZETRONPB	Punch blocks for stations/M6 units		\$410.00	\$1,640.00	\$1,476.00	10%
28	DSSUSH20QC	Quad-color 4X Status Indicator		\$870.00	\$24,360.00	\$21,924.00	10%
28	DSSMSLBRCCKT	Wall mount		Included			
		Printrak/Zetron interface		\$15,900.00	\$15,900.00	\$15,900.00	0%
		(See attached documentation)					
		From Motorola/Printrak					
					Total Equipment	\$123,684.00	
		Installation/Modifications/Programming per Statement of Work			\$89,840.00	\$89,840.00	
					Total Project	\$213,524.00	

Pricing valid for 45 days
Customer is responsible for site work, electrical work, alarms, PA's, dispatch space, FCC license and grounding.
Extended warranty/maintenance and Printrak interfaces are not subject to contract discounts.

Terms: Net 30 on Equipment shipment/Net 30 on Installation completion



MOTOROLA *Fire Alert System*
City of Miami Beach

Statement of Work/Installation

Motorola Inc.

	Program and install two UHF Quantar repeater at City of Miami Beach Police building.
	Provide and install one 3" conduit for LDF antenna lines to repeater station location
	Install two UHF omni antenna with antenna brackets on selected spot on City of Miami Beach PD building.
	Install two LDF antenna lines with fittings and Superflex jumpers.
	Supply and install two Polyphaser kits at antenna site location.
	Develop M26 configuration and faceplate. Customer to approve
	Install M26 units at selected location in Fire dispatch.
	Supply and install a punchblock near the M26 units
	Install and program four CDM1250 base stations at each of the four selected Fire Stations
	Install four tone remote adapters onto the CDM1250 stations and test out.
	Install four UHF yagi antenna, LDF cable and fittings at the four Fire Stations.
	Install four punch blocks at the Fire Stations
	Program and install 13 M6 Alert units.
	Install 4 NEMA rated metal boxes with the CDM1250 enclosed and test out.
	These metal boxes will provide protection for the CDM1250 control stations.
	Develop 13 M6 faceplate. Customer to approve.
	Fully test all functions of M26 and M6 Alert units and submit customer approval document.
	Provide system training for the City of Miami Beach selected training individual.
	Provide First year 7/24 service
	Total of above services \$89,840.00
	Optional
	Separate Removal/Installation-Not connected to project. Separate PO
	Remove two complete CDM1250/M6 Alert unit from two Fire Station
	Remove two complete Yagi antenna networks
	Install two complete CDM1250/M26 Alert units at two Fire Stations
	Install two complete Yagi antenna networks
	Total of above items 4950.00
	Annual 7/24 Service Agreement on Motorola supplied equipment
	1st Year 7/24 Service Agreement: Included
	2nd Year 7/24 Service Agreement: \$8,900.00
	3rd Year 7/24 Service Agreement: \$19,400.00
	4th Year 7/24 Service Agreement : \$20,950.00
	City of Miami Beach's Responsibilities
	All PA work in the Fire Stations
	Any grounding, electrical work or permits.
	Any FCC license modifications
	Installations of Federal Signal Status Indicators

Fire Alert System-City of Miami Beach
Statement of Work/Installation
July 26, 2004