

**South Portland City Council
Position Paper of the Finance Director**

Subject:

RESOLVE #1-16/17– Appropriating funds for the Upgrade of the Police Department’s Radio Equipment. Passage requires majority vote.

Position:

Over the last few years, the Council has been updated on the need to replace the public safety radio infrastructure as the system has exceeded its useful and reliable lifespan. The City has for many years used a joint system with Portland and as was discussed at the June 6, 2016 council meeting and prior workshops, the City of Portland, as part of its FY2016 CIP budget approved bonding for this project. Under the amended interlocal PSAP agreement the City will share in the cost of that new system.

There are essentially two components to the radio system project that fall under the interlocal cost sharing arrangement. The underlying base system, various radio tower infrastructure and dispatch console furniture/equipment are considered a joint cost. A second component is the subscriber system equipment (example: handheld and vehicle radios) and those costs are based on each community’s needs.

South Portland’s subscriber units were mostly replaced through a Port Security Grant a few years ago and the City’s need for replacing these units was much less than Portland’s. South Portland’s equipment being newer had considerable life remaining and could be reprogrammed at a fraction of the cost of new.

The Police Department has each year budgeted funds into its Communications Reserve. At present the Police Communications Reserve has approximately \$71,000 available. The South Portland members of the PSAP board recognized that it would be prudent to utilize these reserve funds instead of including these costs into the amount borrowed by Portland (South Portland would be responsible for repaying). As such we are requesting the Council to appropriate and authorize the Police Chief to contract with Motorola for fully updating the departments radios. Motorola was awarded the Portland Radio System upgrade and would be the sole source to get this work completed.

The Police Chief has prepared a memo providing additional information on this item and he and I will be available to address any questions the Council might have regarding this resolve.

Requested Action:

Council passage of RESOLVE #1-16/17.

A handwritten signature in black ink, appearing to read "Gregg W. Allen". The signature is fluid and cursive, with a long horizontal stroke at the end.

Finance Director



POLICE DEPARTMENT

EDWARD J. GOOGINS
CHIEF OF POLICE

AMY J. BERRY
DEPUTY CHIEF

To: Don Gerrish, Interim City Manager
From: Edward J. Googins, Chief of Police
Date: August 3, 2016
Ref: 800MHz Radio Upgrade

As part of the City of Portland's 800MHz Radio Upgrade, programming expenses for converting our radio equipment from analog to the new digital technology is included in the project costs. Motorola is the vendor that was awarded the bid for the upgrade and the department presently uses Motorola radios that are compatible to receive these upgrades. The department requests to add additional software to our fifty six portable and twenty three mobile radios that was not included in the overall project costs but was included in the bid for pricing as optional enhancements.

The first upgrade is Astro 25 Integrated Voice and Data which allows other available software options requiring the transmission of data to operate. The cost for this upgrade is \$16,128 for the portables and \$5,290 for the mobiles.

The second upgrade is over the air programming (OTAP), which allows periodic changes to the radio frequencies that are installed into the radios. This is one of the software options that require Integrated Voice and Data in order to operate. Presently, any time a change is made, a technician has to put hands on each radio, hook up cables from a computer to the radio and manually program the changes. This is a very labor intensive process that requires significant coordination of both portables and mobiles, which also takes equipment out of service while the work is being done. This enhancement will allow frequency and other software changes to be done at any time, while the equipment is in the field. The cost for this is \$6,440 for the portables and \$2,300 for the mobiles.

Also included in this request is radio battery equipment that determines the condition and status of portable radio batteries. This equipment identifies batteries that are able to retain a charge or ones that do not and should no longer be in field use. The cost for this equipment is \$894.

If approved, the \$31,052 expense would be charged to the police radio reserve account. I have attached the Motorola quote and I request this item be scheduled for City Council action.

MODEL #**DESC.****QTY.****UNIT****DISC. D.UNIT****D.EXT.****South Portland PD****Todd Bernard**

30 Anthoine Street

South Portland, ME 04106

207-878-8575

APX7000 Flash Upgrades

T7551	ANALOG SMARTNET	56		\$0.00	0%	\$0.00	\$0.00	*P25 Upgrade included in project
Q327BH	ENH: UPGRADE CONVENTIONAL TO SMARTZONE	56		\$0.00	0%	\$0.00	\$0.00	
Q361AP	ENH: P25 9600 BAUD TRUNKING	56		\$0.00	0%	\$0.00	\$0.00	
G996AT	ADD: PROGRAMMING OVER P25 (OTAP)	56		\$115.00	0%	\$115.00	\$6,440.00	*Optional Software Upgrades
Q947BB	ADD: ASTRO 25 INTEGRATED VOICE & DATA	56		\$288.00	0%	\$288.00	\$16,128.00	
	XTL2500 Trunking Upgrade					TOTAL	\$22,568.00	
T7246	Analog Smartzone	23		\$0.00	0%	\$0.00	\$0.00	*P25 Upgrade included in project
G808	ADD: ASTRO DIGITAL CAI OPERATION	23		\$0.00	0%	\$0.00	\$0.00	
G347AN	ENH: UPGRADE TO SMARTZONE	23		\$0.00	0%	\$0.00	\$0.00	
G361AG	ENH: PROJECT 25 9600 BAUD TRUNKING	23		\$0.00	0%	\$0.00	\$0.00	*Optional Software Upgrades
W947AP	ADD: ASTRO 25 INTEGRATED VOICE & DATA	23		\$230.00	0%	\$230.00	\$5,290.00	
G996AK	ENH: OVER THE AIR PROGRAMMING	23		\$100.00	0%	\$100.00	\$2,300.00	
	IMPRES BATTERY DATA READER					TOTAL	\$7,590.00	
NNTN7392	IMPRES BATTERY DATA READER	1	\$	250.00	0%	\$250.00	\$250.00	
HKVN4036A	NA FLEET MANAGEMENT LICENSE KEY	1	\$	489.00	0%	\$489.00	\$489.00	
NNTN8045A	CHARGR INTRFCE UNT GEN1 IMPRES SUC	1	\$	75.00	0%	\$75.00	\$75.00	
NNTN7677A	FLEET MANAGEMENT CHRGR INTERFACE UNIT	1	\$	80.00	0%	\$80.00	\$80.00	
						TOTAL	\$894.00	

ORDERING**PLEASE CONTACT****Scott Cruikshank**scott.cruikshank@motorolasolutions.com**DELIVERY****15-30 DAYS**

All pricing at WSCA

TERMS

NET 45 FROM INVOICE AS SHIPPED



CITY OF SOUTH PORTLAND

THOMAS E. BLAKE
Mayor

DON GERRISH
Interim City Manager

EMILY F. CARRINGTON
City Clerk

SALLY J. DAGGETT
Jensen Baird Gardner & Henry

IN CITY COUNCIL

RESOLVE #1-16/17

District One
CLAUDE V. Z. MORGAN

District Two
PATRICIA A. SMITH

District Three
EBEN C. ROSE

District Four
LINDA C. COHEN

District Five
BRAD FOX

At Large
MAXINE R. BEECHER

At Large
THOMAS E. BLAKE

**THE COUNCIL OF THE CITY OF SOUTH PORTLAND HEREBY
RESOLVES,**

That the City Council hereby appropriates thirty-two thousand fifty-two dollars (\$32,052) from the Police Communications reserve to convert and program the Police Departments existing radio equipment to be compatible with the new City of Portland's 800MHz Radio system.

BE IT FURTHER RESOLVED, that the Police Chief is authorized to contract with Motorola for the programming of the Police Department's radio equipment at a cost of \$32,052.

Fiscal Note: \$32,052

Dated: August 15, 2016