

City of Grand Island

Tuesday, January 24, 2023 Council Session

Item I-4

#2023-32 - Consideration of Approving Police Portable Radio Purchase Proposal

Staff Contact: Kevin Denney

Council Agenda Memo

From: Kevin Denney, Police Chief

Meeting: January 24, 2023

Subject: Police Portable Radio Purchase Proposal

Presenter(s): Kevin Denney, Police Chief

Jim Duering, Police Captain

Background

The Police Department has budget authority of \$150,000 under Capital expenditures to replace current portable radios purchased in 2013 and 2014. Changes in community radio projects and funding have created three purchase options, two of which would require additional funding.

Discussion

The Police Department has budget authority of \$150,000 under Capital Outlay for the purchase of portable radio systems. The Department's last purchase of portable radios took place in 2013 and 2014 and existing portable radio communications are past practical service life, and have created police function and safety concerns. These radios are out of warranty, and no longer supported by the manufacturer, leading to a situation of third party repairs and parts outsourcing to regain function after failure, which is increasingly frequent.

The replacement of aging equipment has been in a state of limbo while discussion of a multi-million dollar City/County P25 compliant State Radio System build out has been taking place, but as that project has stalled we believe we can no longer wait on purchasing a portable radio solution. Changes in funding alternatives for the larger project have also created potential changes in funding necessary to complete our purchase. Additionally, as surrounding communities change to a more modern P25 compliant radio system, additional options may be necessary to retain inter-agency emergency communication capabilities.

For this reason, we believe there are three alternatives, differing in purchase cost, future cost, and operational considerations. All alternatives fall under Nebraska State Bid contract number 14534 OC, and offer the ability to be purchased and supported locally

from Platte Valley Communications who support current radio communications for the Police Department.

NOTE: "P25 Compliant" is a unit capable of future upgrade with additional costs required. "P25 Capable" is a radio capable of communication on a P25 system without future upgrade.

Option 1: Quantity 75 Motorola MotoTrbo R7 UHF Portable Radios with battery upgrade, speaker mic, earpiece, and charger.

PROS: <u>Purchase Cost</u>. This solution is the closest to a direct replacement of our existing radio system.

<u>Operational Considerations</u>. This solution ads secure radio-to-radio communication capability to current radio solutions.

CONS: <u>Future Cost</u>. This is a single band option, which cannot be upgraded for future P25 capable or compliant radio solution growth. There is a commercial trade-in program, which means a limited amount of money spent on this option might be recoverable in the event of future movement to the Statewide Radio System (SRS).

Operational Considerations: This solution also does not address current interagency communication issues with agencies who have already gone to the Statewide Radio System (SRS) to include Kearney, Buffalo County, and the Nebraska State Patrol, with whom we hold operational MOU's and work in conjunction with on a routine basis. Some of these interactions take place during ongoing emergency situations. Additionally, the secure radio-to-radio communications are not compatible with the secure communication capabilities of P25 Compliant Radio Options, limiting the ability to purchase multiple different radio solutions.

Unit Cost: \$1744.76 Programming: \$3562.50 TOTAL COST: \$134,419.50

Option 2: Quantity 75 Motorola APX6000 model 1.5 P25 Compliant Radios (Analog Equipped) with speaker mic, encryption key, charger, and earpiece.

PROS: <u>Purchase Cost</u>. It is more than the Analog R7 Solution but offers a more affordable purchase price for a P25 compliant radio.

<u>Future Cost.</u> Option 2 can be upgraded for approximately \$1200 per radio to a future P25 radio system, which is still likely a better future investment than the trade-in option.

<u>Operational Considerations.</u> This solution ads secure radio-to-radio communication capability to our existing radio system.

CONS: <u>Purchase Cost.</u> Option 2 is still considerably more expensive than the R7 option.

Future Cost: An additional \$99,219.00 would be necessary to upgrade to any future P25 system (install upgrade costs of \$1132.92 per radio plus \$14,250.00 in programming cost)

Operational Considerations. This is the least desirable option operationally. The APX6000, while being P25 complaint, is a single band solution. This means it is an all or nothing option. We can operate on analog for the time being, but loose communication capabilities with agencies currently using the SRS system. If we migrate to the SRS, we would lose the ability to communicate with any agency still using an analog system. For this reason, Option 2 is the least desirable solution from an operations, and emergency response perspective.

Unit Cost: \$3536.96 Programming: \$3262.50 TOTAL COST: \$268,534.50

Option 3: Quantity 75 APX8000 model 1.5 P25 Capable Radios (analog and P25 equipped) with speaker mic, encryption key, charger, and earpiece.

PROS: <u>Future Cost.</u> This solution is P25 Capable, meaning the department would not incur future portable radio costs in the event the City / County migrated to the SRS during the lifespan of these radios.

Operational Considerations. This solution is a multi-band solution, meaning it can operate on our current analog radio system, and on existing and future p25 radio systems including the SRS. This means we do not lose any emergency inter-agency radio communications before or after any current radio system migration. This also resolves existing inter-communication issues if we pay a subscription fee to the existing SRS. It also ads secure radio-to-radio communication capability to our existing radio system.

CONS: <u>Purchase Cost.</u> This is solution represents the largest up front purchase cost.

<u>Future Cost.</u> Although nominal, there is a \$132 dollar annual subscription fee per radio to operate on the SRS until such time as the City / County would build adequate infrastructure to support this system locally. This can be managed on an 'as needed' basis, as not all radios would need to be active on this system at all times.

Unit Cost: \$7111.39 Programming: \$14,250.00 TOTAL COST: \$547,604.25

Timeline Considerations: Historically, large purchases of multiple units have been budgeted in phases to minimize the impact on individual fiscal year budgets. However in this instance, the combination of operational budget cuts and potential large impact radio projects have put off these purchases longer than is practical to do a phased purchase due to operational and safety concerns. Additional inter-operability issues between existing radios and the more modern solutions further compound this problem.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

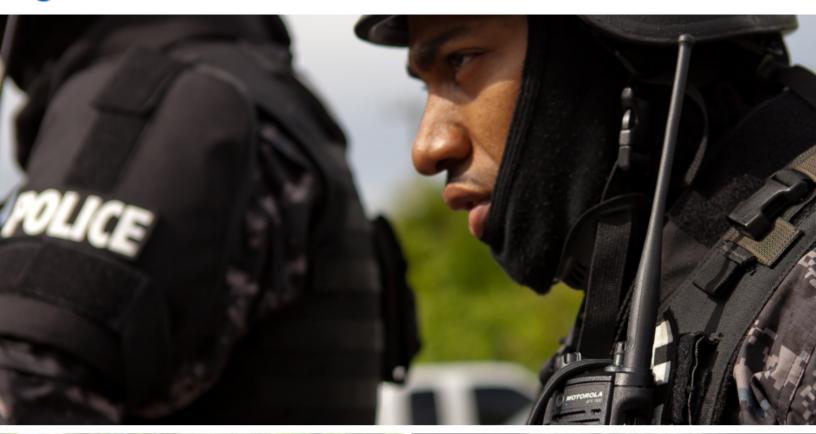
- 1. Move to approve Option 1
- 2. Move to approve Option 2
- 3. Move to approve Option 3
- 4. Refer the issue to a Committee
- 5. Postpone the issue to future date
- 6. Take no action on the issue

Recommendation

City Administration recommends that the Council approve Option 3 to approve the purchase of 75 APX8000 model 1.5 portable radios, supporting equipment, and programming for a total cost of \$547,281.00.

Sample Motion

Move to purchase portable radio solution option 3 for \$547,604.25.







GRAND ISLAND POLICE

12/29/2022

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12/29/2022

GRAND ISLAND POLICE 111 PUBLIC SAFETY DR GRAND ISLAND, NE 68801

Dear Jim Duering,

Motorola Solutions is pleased to present GRAND ISLAND POLICE with this quote for quality communications equipment and services. The development of this quote provided us the opportunity to evaluate your requirements and propose a solution to best fulfill your communications needs.

This information is provided to assist you in your evaluation process. Our goal is to provide GRAND ISLAND POLICE with the best products and services available in the communications industry. Please direct any questions to Mike Hoffman at mikeh@pvcneb.com.

We thank you for the opportunity to provide you with premier communications and look forward to your review and feedback regarding this quote.

Sincerely,

Mike Hoffman

Motorola Solutions Manufacturer's Representative



Billing Address: GRAND ISLAND POLICE 111 PUBLIC SAFETY DR GRAND ISLAND, NE 68801 US Quote Date:12/29/2022 Expiration Date:02/27/2023

Quote Created By: Mike Hoffman mikeh@pvcneb.com

End Customer:

GRAND ISLAND POLICE

Jim Duering

jduering@gipolice.org

308-385-5400

Contract: 32517 - NEBRASKA ADMIN SERVICES CONTRACT #14534 OC

Line #	Item Number	Description	Qty	List Price	Sale Price	Ext. Sale Price
	APX™ 8000 Series	APX8000				
1	H91TGD9PW6AN	APX 8000 ALL BAND PORTABLE MODEL 2.5	75	\$7,108.00	\$4,975.60	\$373,170.00
1a	QA01648AA	ADD: HW KEY SUPPLEMENTAL DATA	75	\$6.00	\$4.20	\$315.00
1b	Q806CB	ADD: ASTRO DIGITAL CAI OPERATION	75	\$567.00	\$396.90	\$29,767.50
1c	Q361AN	ADD: P25 9600 BAUD TRUNKING	75	\$330.00	\$231.00	\$17,325.00
1d	H301CN	DEL: DELETE BELT CLIP/ BASIC CARRY	75	-\$10.00	-\$7.00	-\$525.00
1e	QA05507AA	DEL: DELETE 7/800 MHZ BAND	75	-\$800.00	-\$560.00	-\$42,000.00
1f	Q887AU	ADD: 5Y ESSENTIAL SERVICE	75	\$227.00	\$227.00	\$17,025.00
1g	H38BS	ADD: SMARTZONE OPERATION	75	\$1,650.00	\$1,155.00	\$86,625.00
1h	Q629AH	ENH: AES ENCRYPTION AND ADP	75	\$523.00	\$366.10	\$27,457.50
2	PMMN4069AL	MICROPHONE, IMPRES RSM, 3.5MM JACK, IP55	75	\$143.64	\$104.86	\$7,864.50



Any sales transaction following Motorola's quote is based on and subject to the terms and conditions of the valid and executed written contract between Customer and Motorola (the ""Underlying Agreement"") that authorizes Customer to purchase equipment and/or services or license software (collectively ""Products"). If no Underlying Agreement exists between Motorola and Customer, then Motorola's Standard Terms of Use and Motorola's Standard Terms and Conditions of Sales and Supply shall govern the purchase of the Products.

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Line #	Item Number	Description	Qty	List Price	Sale Price	Ext. Sale Price
3	HLN6875A	BELT CLIP 3 INCH	75	\$14.04	\$9.83	\$737.25
4	NNTN8860ATAA	TAA CHARGER, SINGLE- UNIT, IMPRES 2, 3A, 115VAC, US	75	\$205.20	\$143.64	\$10,773.00
5	RLN4941BXL	RX ONLY EXTRA LOUD EARPIECE W/TRANSLUCENT TUBE	75	\$91.80	\$64.26	\$4,819.50
	Product Services					
6	LSV00Q00202A	DEVICE PROGRAMMING	75	\$190.00	\$190.00	\$14,250.00
_						

Grand Total

\$547,604.25(USD)

Notes:

 Unless otherwise noted, this quote excludes sales tax or other applicable taxes (such as Goods and Services Tax, sales tax, Value Added Tax and other taxes of a similar nature). Any tax the customer is subject to will be added to invoices.



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Purchase Order Checklist

Marked as PO/ Contract/ Notice to Proceed on Company Letterhead (PO will not be processed without this)

PO Number/ Contract Number

PO Date

Vendor = Motorola Solutions, Inc.

Payment (Billing) Terms/ State Contract Number

Bill-To Name on PO must be equal to the Legal Bill-To Name

Bill-To Address

Ship-To Address (If we are shipping to a MR location, it must be documented on PO)

Ultimate Address (If the Ship-To address is the MR location then the Ultimate Destination address must be documented on PO)

PO Amount must be equal to or greater than Order Total

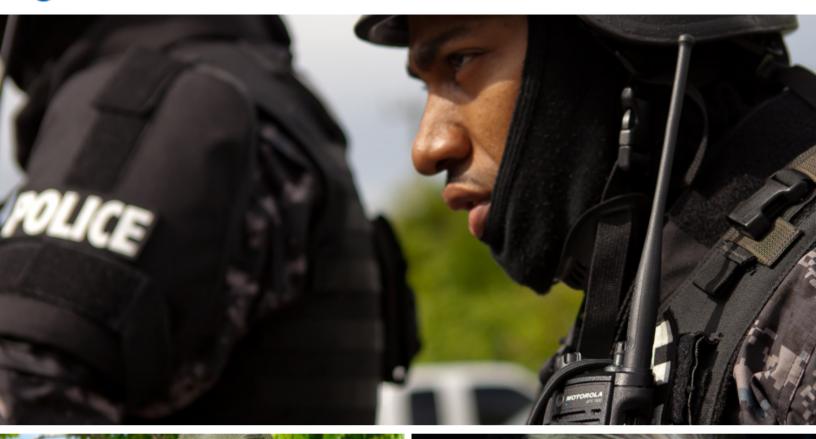
Non-Editable Format (Word/ Excel templates cannot be accepted)

Bill To Contact Name & Phone # and EMAIL for customer accounts payable dept

Ship To Contact Name & Phone #

Tax Exemption Status

Signatures (As required)







GRAND ISLAND POLICE

12/30/2022

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This information is provided to assist you in your evaluation process. Our goal is to provide GRAND ISLAND POLICE with the best products and services available in the communications industry. Please direct any questions to MICHAEL EPLEY at michael.epley@pvcneb.com.

We thank you for the opportunity to provide you with premier communications and look forward to your review and feedback regarding this quote.

Sincerely,

MICHAEL EPLEY

Motorola Solutions Manufacturer's Representative



Billing Address: GRAND ISLAND POLICE 111 PUBLIC SAFETY DR GRAND ISLAND, NE 68801 US Quote Date:12/30/2022 Expiration Date:02/28/2023

Quote Created By: MICHAEL EPLEY

michael.epley@pvcneb.com

End Customer:

GRAND ISLAND POLICE

Jim Duering

jduering@gipolice.org

3083855400

Contract: 32517 - NEBRASKA ADMIN SERVICES CONTRACT #14534 OC

Line #	Item Number	Description	Qty	List Price	Sale Price	Ext. Sale Price
	APX™ 6000 Series	APX6000				
1	H98QDD9PW5BN	APX6000 UHF R1 MODEL 1.5 PORTABLE	75	\$3,213.00	\$2,249.10	\$168,682.50
1a	QA01648AA	ADD: HW KEY SUPPLEMENTAL DATA	75	\$6.00	\$4.20	\$315.00
1b	H842AU	ADD: SINGLE UNIT PACKING	75	\$0.00	\$0.00	\$0.00
1c	Q361AR	ADD: P25 9600 BAUD TRUNKING	75	\$330.00	\$231.00	\$17,325.00
1d	H38BT	ADD: SMARTZONE OPERATION	75	\$1,320.00	\$924.00	\$69,300.00
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2	PMMN4060BSP01	AUDIO ACCESSORY- REMOTE SPEAKER MICROPHONE,AUDIO ACCESSORY-REMOTE SPEAKER MIC, PSM IP55 WITH 3.5MM JACK RX 24IN	75	\$177.12	\$129.30	\$9,697.50
3	NNTN8860A	CHARGER, SINGLE-UNIT, IMPRES 2, 3A, 115VAC, US/NA	75	\$169.56	\$118.69	\$8,901.75
4	HLN6875A	BELT CLIP 3 INCH	75	\$14.04	\$9.83	\$737.25
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	Product Services					
6	LSV00Q00202A	DEVICE PROGRAMMING	75	\$190.00	\$190.00	\$14,250.00
Grand Total \$367,753.50(USD)					50(USD)	

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Bill To Contact Name & Phone # and EMAIL for customer accounts payable dept

Ship To Contact Name & Phone #

Tax Exemption Status

Signatures (As required)

Platte Valley Communications



3820 ARCH AVE **GRAND ISLAND, NE 68803** (308) 382-6212

WWW.PVCNEB.COM

DATE: 12/29/22

We are pleased to submit the following bid:

Quote (se	ervice a	nd materials)								
Quote prepared for: Job Description: Quote prepared by:		Grand Island Police Dept Jim Duering Radio and equipment quote 12% Nebraska Contract Discount								
									Mike	Mike Email mikeh@pvcneb.com
		MATERIALS								
QUANTITY		DESCRIPTION	UNIT PRICE	TOTAL						
75.0		O R7 UHF PORTABLE 1390.33	\$1,744.76	\$130,857.00						
		EAKER MIC 172.80								
		OT BATTERY UPGRADE 89.83								
		CHARGER INCL								
		JD EARPIECE W/TRANSLUCENT TUBE 9	01.80							
	5 YEAR ES	SENTIAL SERVICE WARRANTY								
			Materials total:	\$130,857.00						
SERVICE										
<u>OZKVIOZ</u>										
HOURS		DESCRIPTION	CHARGES	TOTAL						
1.0	PROGRAM	MING FREQUENCIES AND SETTING UP	ID'S \$3,562.50	\$3,562.50						
	-									
	Price valid	until: 30 days from above date	Quote de	oes not include sales tax						
			Total:	\$134,419.50						

RESOLUTION 2023-32

WHEREAS, the Police Department for the City of Grand Island is experiencing communication issues with existing stock of Motorola portable radios; and

WHEREAS, the proposed radio solution purchase of Motorola APX 8000 model 1.5 multi-band radios increased secure and inter-agency communications, as well as resolving communication issues from existing radios; and

WHEREAS, purchasing radios from the State contract holder under state contract 14534 OC meets all statutory bid requirements.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, approve the purchase of quantity 75 Motorola APX 8000 Model 1.5 multi-band radios and programing for the quoted state bid price of \$547,604.25 from State contract holder, Platte Valley Communications of Grand Island, Nebraska, is hereby approved.

- - -

Adopted by the City Council of the City of Grand Island. Nebraska.	January	24 200
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	Roger G.Steele, Mayor	
Attest:		
RaNae Edwards, City Clerk		

 $\begin{array}{ccc} \mbox{Approved as to Form} & \mbox{$\frac{\alpha$}{$}$} \\ \mbox{January 20, 2023} & \mbox{$\frac{\alpha$}{$}$} \\ \mbox{City Attorney} \end{array}$