

**JULIE BARTHELS**  
Winnebago County Clerk  
112 Otter Avenue, PO Box 2806  
Oshkosh, Wisconsin 54903-2806  
(920) 232-3430

**MEETING NOTICE OF ARPA STRATEGY AND OUTCOMES COMMISSION**

Friday, October 20, 2023

1:00 P.M.

*Winnebago County Sheriff's Office  
Deputy Richard Meyer Community Resource Room  
4311 Jackson St, Oshkosh, WI 54901*

**To join this Zoom Meeting via video, use this link:**

<https://us02web.zoom.us/j/89098274478?pwd=cFk2VzZNYnk3cU1WbWdicHQyeDRXZz09>

**Meeting ID: 890 9827 4478      Passcode – ARPA102023**

**To join this meeting by telephone (312) 626-6799 and enter the Meeting ID: 890 9827 4478**

**Passcode 0351247157**

**SUBJECT MATTER OF THE MEETING**

1. Call to Order
2. Public Comments
3. Approval of minutes of October 6, 2023, meeting.
4. Update/discussion: Status of where Municipalities stand regarding the \$145,000 Spirit Funds distribution.
5. Discussion/Possible Action: Winnebago County Fire Chiefs Association (WCFCA) – Replace mobile, portable and DVRS radios in the county in the amount of \$3.2M.
6. Discussion/Possible Action: Continue prioritizing and selection of projects for Spirit Funding.
7. Discussion/Possible Action: Resolution – "Request a Transfer of Funds to the Capital Improvement Project to Remove Existing Officer's Stations from Direct Supervision Two to and Combine the Officer's Area in the Existing Programs Rooms"
8. Set next meeting date, time, and location.
9. Adjournment

\*\*This meeting is also being posted as a committee meeting for:

- Park View Health Center Committee
- Highway Committee
- Winnebago County Board of Supervisors

*Upon request, provisions will be made for people with disabilities upon 24 hours prior notice to the Office of the County Clerk. Phone Number: (920) 232-3430*

WINNEBAGO COUNTY  
ARPA Strategy and Outcomes Commission  
Minutes

DATE: Friday, October 6, 2023

TIME: 1:00 p.m.

PLACE: Winnebago County Sheriff's Office  
Richard Meyer Community Resource Room  
4311 Jackson Street  
Oshkosh, WI 54901

PRESENT: Co-Chair Tom Egan, County Board Chairman  
Co-Chair Jon Doemel, County Executive  
Morris Cox, Personnel and Finance Chair  
Chuck Farrey, County Board Vice-chair  
Andy Buck, County Board Member  
Tom Belter, Public Member  
Beth Oswald, Public Member  
Tim Galloway, Public Member  
Paul Kaiser, Director of Finance (non-voting member)

ABSENT: Tom Borchart, County Board Member

ALSO PRESENT:	Cassie Smith-Gregor, Deputy County Clerk	via <b>ZOOM</b>
	Mary Anne Mueller, Corporation Counsel	Supervisor Steven Binder
	Victoria Kinderman, Corporation Counsel	Supervisor Rachael Dowling
	Andrew Kaspar, Corporation Counsel	Nathan Struensee, Sheriff's Dept
	Supervisor Conley Hanson	Sandy Drexler
	Supervisor Kay Horan	Halle Braun
	Supervisor Doug Nelson	John Smith
	Doug Gieryn	Beth G.
	Kelly Olson, Damascus Road Project, Inc.	Chloe Bunker
	Lynn Kromm	Karen Schneider
	Kyle Coenen	Wendy Krueger
	Logan Fuller, Village of Winneconne	Susan Garcia-Franz
	Steve Foster, Village of Winneconne	Katie Olson
	James Fluette, Village of Winneconne	Barb Tengesdal
	Todd Sweeney, Fox Crossing Fire Department	Deb Martin
	Shawn Bordeaux, Fox Crossing Fire Department	Steve Nielson
	Tony Daley – Journalist – The Omro Herald	

Co-Chair Jon Doemel called the meeting to order at 1:00 p.m.

### 1. Public Comments

Supervisor Conley Hanson reiterated his gratitude to this commission for the work that has been done. He understands that there are many organizations that submitted projects requesting spirit funds. Unfortunately, the reality is not all of them can be funded. Supervisor Hanson stated when the projects come before the board, he will be looking for what is going to be the best benefit to the county.

Todd Sweeney, Fire Chief of the Fox Crossing Fire Department and who is also on the Winnebago County Fire Chiefs Association provided the additional documentation the commission requested regarding the radio project. This project request would benefit all residents in the county. The Motorola quote is the same vendor, salesperson, and radio that the Sheriff has. The reason they went with that radio was for a few reasons. The county has a Motorola Computer-aided dispatch (CAD) system. The Motorola radio blends with that CAD system, so it avoids any challenges there. The Motorola has a longer life expectancy and a longer reach, as far as distance, with the transmission so that data is supported. Mr. Sweeney appreciates and understands the challenges you all have. He thanked the commission for their time, effort, and consideration for this requested radio project for the County Fire Departments.

Supervisor Doug Nelson, Village of Winneconne voiced his support regarding the Winneconne County Park project request. The Village of Winneconne has some great plans for that park. It is still used by the entire county. Supervisor Nelson thinks it has the best boat launch in the area and is in a very unique spot. He hopes that the commission would consider giving them a one-time opportunity so that they can get back on top of their parks.

Kelly Olson, Support Services Director for the Damascus Roads Project, shared a couple of incidents that took place at the last meeting that she thought was valuable for the commission to know. It involved an individual who needed medical attention and one that they identified who had been trafficked. Ms. Olson explained the situation and that these individuals are now receiving services through Damascus Roads. They have seen an exponential increase in the population that they provide services for since Covid. The individuals they provide services to are going to need consistent ongoing resources to recover from the trauma of trafficking so Damascus Roads cannot do that without this funding. They are grateful that the commission is considering them. Damascus Roads has their monthly free trafficking 101 class next Wednesday, October 18, 2023. They will be hosting the meeting from 6-8 pm in their office. If you'd like to learn more about what's happening in our county, they invite you to come. Thank you for your support and consideration.

Jeremy Pingel, Director of Operations with St Vincent De Paul in Neenah. They took over a food pantry from a local church in February 2021. They started with 50 families, and they just passed 1900 families in the northern Winnebago county area. The need continues to grow each month. They are expanding into a new location and submitted a spirit fund request with hope to have some help with that. The cost of food is what's really hurting them and keeping the pantry full. Mr. Pingel stated if they could divert funds paying off the renovation and the purchase and put that to food that would be so amazingly helpful. He thanked the commission for their consideration.

Kyle Coenen is a resident of Menasha and asked the commission to help the City of Menasha and its Redevelopment Authority to acquire the Whiting site. It is a site on the Lake Winnebago Butte Des Morts system. That would be great for development of high-end housing or industrial use. If the commission helped the city and the Redevelopment Authority to acquire the property, the development would help bring in jobs or additional residences in the county which would be beneficial. He thanked the commission for the opportunity to speak.

Barb Tengesdal is with First 5 Fox Valley (F5FV). F5FV is an organization that is leveraging collective impact work and strategic partnership to cultivate communities that empower every family to build a solid foundation for children in their first five years. Their organization was asked some additional questions related to the project they submitted for spirit funds. They answered them and felt like what they're doing is a really worthwhile proposal bringing a Help Me Grow navigator to our community. There is a lot of young children under the age of five and their families that really could use this support in Winnebago County. Ms. Tengesdal thanked the commission for even considering adding in the support around early childhood education and how the pandemic affected these families and children.

Deb Martin, a resident of Oshkosh, voiced her concerns regarding the increase in salary for the County Board of Supervisors. Ms. Martin also addressed the commission about the many needs in the community and really urged the commission to act as quickly as possible to get these spirit funds out. It has been over 2 ½ years of holding on to funds that were meant to help people in our community.

Katie Olson is the Lead Organizer for Esther, which is an interfaith social-justice organization. Ms. Olson wanted to address the homelessness issue. She urged the county to find ways to allocate as much money as possible into housing because it is needed, especially for low-income and justice impacted persons. Ms. Olson stated the homelessness rate in our area has tripled in the last few months. It's not even winter yet so we really need to be proactive as we can but also reactive at this time so, please consider that as funds are being disbursed. Thank you for letting me speak today.

Steve Nielsen from Nielsen Communications spoke regarding the radios. He wanted to let the commission know that he provided a competitive quote, as requested by the County Executive office. Mr. Nielsen stated as far as the competitiveness of their product that they have versus the Motorola; they are both 5-watt radios so the transmit power is the same. The transmit and receive sensitivity is going to be the same, if not better on the Kenwood. They have several departments that are using radios on the county system so they're fully compatible. If you look at the numbers, you'll be quite amazed. He thanked the commission for their time today.

Sandy Drexler, Executive Director for Tri-County Dental thanked the commission for looking at their proposal. Dental pain is something that can stop people in their tracks. Ms. Drexler stated that while they are not located in Winnebago County, 40% of their patients are from Winnebago County. They take their mobile clinic out to 24 schools in the Neenah and Oshkosh school districts. They are working really hard to provide free care to the people, and to the kids who are in our schools who are trying really hard to learn. If kids are able to minimize the time out of the classroom and have healthier teeth they're going to do better in life. They'll be able to complete their education and hopefully get great jobs, stay out of homelessness and be contributing members of society. Ms. Drexler mentioned they have a walk-in clinic for people who are in pain and a veteran's program, so they are caring for nearly 5,000 of our citizens every single year and appreciate the consideration that the commission is giving to them.

## **2. Approval of September 14, 2023, meeting minutes.**

Motion by Belter, seconded by Farrey, to approve the September 14, 2023, meeting minutes. CARRIED BY VOICE VOTE.

### **3. Presentation – Ideas of housing considerations of funding to address housing crisis – Lu Scheer, Winnebago County Housing Coordinator**

Lu Scheer, Winnebago County Housing Coordinator, addressed the housing crisis to the ARPA Strategy and Outcomes Commission. Ms. Scheer talked to the commission intensely about what they're looking for and what they need with the housing crisis that is happening. The project that she is speaking about is number 50 on the spreadsheet. She did a quick introduction of herself and explained how long she's been working in housing, housing development and property management. She has been working with community developers and banks and other funding agencies looking at the housing needs of Winnebago County to help develop a plan and how they can meet those needs. There's been housing studies done over the years and each and every one of them said we should build more housing. They are painfully aware that there isn't enough affordable rental housing, or housing for purchase and for sale on the market. It is estimated that one in four households in Winnebago County are currently suffering financial housing burden meaning they're spending over 30% of their money on housing. Housing helps economic development. Ms. Scheer talked about a couple of examples of affordable housing. The natural flow of housing has been severely interrupted. The housing shortage is not only Winnebago County, it is nationwide but proactive communities are doing something about it. Ms. Scheer stated she has been reading a lot of information and has been involved in webinars and meetings in communities in Wisconsin and across the United States. One of the common things that she is hearing in the communities, both cities and counties, is that they haven't spent out all their ARPA money. They're working on it and one of the things they're doing is they're setting aside ARPA funds to address the housing needs in their communities for the short and long term. Ms. Scheer is urging Winnebago County to consider a model that invests these ARPA funds in ways that would create long-term assistance to home ownership. It is a recommendation that we set aside \$6 million to provide assistance in developing housing funds. The work group that she is putting together will be meeting shortly. It will include funding sources, banks and other funding sources, developers, community planners and economic development individuals. They will be tasked with developing new housing ideas for the county. Ms. Scheer thinks there is an interest in our communities to make these changes to look at housing in a different way. The problem is there's a financial issue. Housing directly affects the economic development of our communities. If the county is committed to set aside funds for housing, it will help and address the housing crisis we see in the communities long beyond the time we see results.

Ms. Scheer then took questions from the commission.

### **4. Update/discussion: Status of where Municipalities stand regarding the \$145,000 Spirit Funds distribution.**

Paul Kaiser provided a brief update and handout for the commission on where all the towns and municipalities are at in this process. He identified that the Town of Nekimi, Utica and Vinland are all having Highway work done by the county so they will get a payment to the Highway Department through the county to take care of their invoices for that road maintenance. Mr. Kaiser has received information from the Town of Nepeuskun and another municipality but has not had time to review that yet. He stated that they are moving forward and getting the payments out as they are getting documentation in. Co-Chair Egan stated and thanked Mr. Kaiser for attending the Towns Association meeting. During this meeting, Mr. Kaiser informed municipalities of the funds available to them and explained the process of what was needed to obtain those funds.

### **5. Discussion/Possible Action: Resolution: Approving \$250,000 from the Spirit Fund's Government Identified Community Projects Category to Renovate the Omro Area Community Center.**

Motion by Supervisor Buck, seconded by Supervisor Cox to adopt.

Motion by Supervisor Cox, seconded by Supervisor Farrey, to make an amendment to the resolution. On Line 27, add the following verbiage "as long as the OACC remains committed to its mission to strengthen the lives of the individuals, families, and the community" after the word "Center".

Vote on amendment to the resolution: AYES: 8; NAYES: 0; ABSTAIN: 0; ABSENT: 1 – Borchart.  
PASSED.

Motion by Beth Oswald, seconded by Supervisor Cox, to make an amendment to the resolution. On Line 29, add the following verbiage "NOW, THEREFORE, BE IT RESOLVED by the Winnebago County Board of Supervisors that upon completion, OACC will submit supporting documentation to the Winnebago County Finance Director outlining the expenditures. The documentation will be submitted within 6 months of the completion of the project but not to exceed 5 years from date of disbursement."

Vote on amendment to the resolution: AYES: 8; NAYES: 0; ABSTAIN: 0; ABSENT: 1 – Borchart.  
PASSED.

Vote on resolution as amended: AYES: 8; NAYES: 0; ABSTAIN: 0; ABSENT: 1 – Borchart. PASSED.

### **6. Discussion/Possible Action: Continue prioritizing and selection of projects for Spirit Funding.**

Supervisor Farrey requested updated documents at each meeting showing what monies have been allocated; spent;

and what amount of funds is left as they go through and determine what projects they will consider and approve for funding. Basically, a running total as they discuss and determine eligibility of projects for funding.

The commission started to discuss each project separately where they left off at the last meeting and select projects that would meet criteria for Spirit Funding.

Member Tom Belter mentioned he had another commitment and needed to leave in about 5 minutes.

Motion made by Doemel, seconded by Belter to halt discussion of item # 6 and move to agenda item #8 as the next item up to discuss. CARRIED BY VOICE VOTE.

Member Tom Belter left at 1:47 pm.

#### **8. Set next meeting date and time.**

The next meeting date will be Friday, October 20, 2023, at 1:00 p.m. at the Winnebago County Sheriff's Office, Richard Meyer Community Resource Room.

Motion made by Doemel, seconded by Farrey to move agenda item # 7 as the next item up to discuss before going back to discussing item #6. CARRIED BY VOICE VOTE.

#### **7. Discussion/Possible Action: Winnebago County Fire Chiefs Association (WCFCFA) – Replace mobile, portable and DVRS radios in the county in the amount of \$3.2M.**

Motion by Supervisor Farrey, to make an amendment to approve the radios in the amount of \$3,172,000 excluding radios to the City of Oshkosh. This motion dies for lack of a second.

Motion by Supervisor Buck, seconded by Tim Galloway, to table this agenda item until the next ARPA Strategy and Outcomes Commission meeting scheduled for Friday, October 20, 2023. CARRIED BY VOICE VOTE. (Nay: Egan)

Todd Sweeney, Fire Chief of the Fox Crossing Fire Department and who is also on the Winnebago County Fire Chiefs Association; and Adam BellCorelli from the County Executive's Department will work on obtaining the additional information and answers to questions requested and asked by the commission. They hope to provide this information to the commission at the next meeting.

#### **6. Discussion/Possible Action: Continue prioritizing and selection of projects for Spirit Funding.**

The commission continued discussing each project separately, where they left off earlier in the meeting, and select projects that would meet criteria for Spirit Funding. As the commission discussed each project, they identified details of the project; cost of the project; requested amounts; and determined the minimum and maximum amounts to be considered by the commission. The commission will continue the selection process of projects for spirit funding at the next meeting.

#### **9. Adjournment.**

Motion made by Farrey, seconded by Buck, to adjourn at 4:33 p.m. MOTION CARRIES.

Submitted by:  
Cassie Smith-Gregor



## PROJECTS RELATED TO MUNICIPALITIES

City of Menasha	Public Works Facility Solar Phase II Project
City of Neenah	No Project Specified and no indication of whether a reimbursement, advance or county work
City of Omro	Jackson/Tyler Street and Sidwalk Improvement Project. ACH on 10/6/2023
City of Oshkosh	
Town of Algoma	Road work done by Kartechner Brothers. Money to be paid on 10/20/2023.
Town of Black Wolf	Submitted for reimbursement for County Road Maintenance. \$59,684.27 instead of \$146,034.64.
Town of Clayton	Park located N CTH JJ & E 76 and Reconstruction of Friendship Trail. ACH 10/6/2023
Town of Neenah	Public Restroom at Keating Park. ACH 10/6/2023.
Town of Nekimi	Highway Department to do an Overlay on South Clay Road.
Town of Nepeuskun	Road Maintenance for Koro Road, 37th Ave and Hilke Road. Paid 10/20/2023
Town of Omro	Broderick Road, Rivermoor Road, Ninth Street Road, Leonard Point Road, Parada Road.
Town of Oshkosh	Fire Engine Truck. Old agreement signed. No indication of reimbursement or Advance.
Town of Poygan	Old Standard Agreement Signed. No indication of project.
Town of Rushford	Stone School Road improvement project with total cost of \$200,000
Town of Utica	Burr Oak Road overlay from Hwy 44 to Norht Ripple Road.
Town of Vinland	Grundman County Boat launch half mile stretch leading into park.
Town of Winchester	Construction of an Accessory Building for Fire Department.
Town of Winneconne	Building construction at Town Hall to house emergency vehicles. LGIP account info sent???
Town of Wolf River	Email received on wanting to use \$144,000 on a fire truck but not decided on remaining \$1,000
Village of Fox Crossing	Purchase of a Vacuum leaf truck. Paid 10/20/2023
Village of Winneconne	Lake Winneconne capital project to improve boat launch and water sport activities.

# Agenda Item Report



**Winnebago County**  
*The Wave of the Future*

DATE: 10/13/2023  
FROM: Winnebago County Executive's Office  
RE: Winnebago County Fire Chiefs Association (WCFCA) – Replace mobile, portable and DVRS radios in the county in the amount of \$3.2M.

## **General Description:**

Proposal for Winnebago County Fire Chiefs Association Request for Radio Equipment to American Rescue Plan Act (ARPA) Strategy and Outcomes Commission

## **Action Requested:**

Direction to draft a resolution releasing a single grant issued to the Winnebago County Fire Chiefs Association to disburse among local governments requesting radio and communications components.

## **Procedural Steps:**

Committee of Jurisdiction: ARPA Strategy & Outcomes Commission Meeting date: 10/20/2023

## **Background:**

Shortly after the creation of the ARPA Strategy and Outcomes Commission, the county's fire chiefs approached the commission regarding the purchase of new radios (subscriber units).

Winnebago County, through the Sheriff's Office, operates and maintains the county's only public safety answering point (PSAP) or dispatch center. The county through grants, tax levy, and borrowing, provides this service at no cost to other local governments. Dispatcher labor and training costs, equipment, maintenance, and other contracts are entirely the responsibility of the county. This shared service model saves local governments considerably – especially as the dispatch center upgrades to Next Generation 911 (NG911).

Over a decade ago, the county upgraded our system. At that time, the county purchased all radios needed for use by the county and local governments. The agreement at that time was the local governments would create a plan to replace radios for police and fire at the cost of the local government. Unfortunately, planned obsolescence of these radios is seven to ten years.

There is no doubt replacement of radios is expensive. For their part, the Fire Chiefs Association surveyed the fifteen Fire Districts across the county regarding needs for replacement radios and radio components. That survey results in requests from fourteen departments for a total of 436 portable radios and components, 82 mobile radios and components, and 2 DVRS radio repeaters and components.

Motorola, the manufacturer of the current radios, provided a quote for purchase of these items totaled \$3,265,899.60. Nielson Communications, a local Kenwood retailer, provided quote of \$2,031,578.20 for similar radio equipment.

At the previous meeting, the commission raised questions around the specific radios in the quote, the difference in price per unit when specific components were included, and what would be the most equitable way to accommodate the request. The Commission then asked Fox Crossing Chief Todd



Sweeney, the president of the chief's association, to work with Fire Chiefs to clarify the requests, gain additional information, and identify priorities.

Upon receiving further input from Chiefs, Chief Sweeney heard a desire to maintain legacy radio systems, as they train on specific equipment, and for the commission to grant a set amount of funds to the Fire Chiefs Association to then be distributed among fire districts to cover a portion of each radio and radio component request. This allows each fire district to acquire the equipment they are most comfortable with and otherwise would not be able to bring up to date, after years of postponing replacement or ordering piecemeal only once existing radios and components are long past their recommended end-of-life date.

A grant from the ARPA Strategy and Outcomes Commission would allow departments to order together and maintain an economy of scale for whichever equipment fits in their existing training and systems.

The commission also asked for what other counties utilized ARPA or other funds to fund radios for local governments. We heard back from two counties: Jefferson provided no funding. Washington provided \$500,000. Neither of these counties are on a Motorola system.

**Policy Discussion:**

The commission has several discussion points regarding a potential grant for radios and to provide enough direction to staff to draft a resolution:

- 1) Some local governments have already purchased radios. Are those governments eligible to receive reimbursement funds?
- 2) The chief's association is comfortable working with all fire districts on implementing a grant, which would ensure collaboration and fairness in the process.
- 3) Are police agencies who have not purchased eligible for funds?
- 4) What amount of a grant would the commission request be allocated for the purchase of local government radios. Based on purchasing Motorola, the following amounts represent a percentage of the purchase: \$800,000 grant = 24.5%      \$1,000,000 = 30.6%  
\$1,632,949.80 = 50%      \$2,031,578.20 (amount of the Nielsen quote) = 62.2%

**Attachments:**

Radio Quotes

Local Government Funding Document



## Fox Crossing Fire Department

Fox Crossing Fire; APX Radios

09/23/2023

09/23/2023

Fox Crossing Fire Department  
1326 COLD SPRING ROAD  
NEENAH, WI 54956

RE: Motorola Quote for Fox Crossing Fire; APX Radios  
Dear Todd Sweeney,

Motorola Solutions is pleased to present Fox Crossing Fire Department 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 Fox Crossing Fire Department with the best products and services available in the communications industry. Please direct any questions to Eric Schroeder at [eschroeder@baycominc.com](mailto:eschroeder@baycominc.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,

Eric Schroeder  
Communications Consultant

Motorola Solutions Manufacturer's Representative

Billing Address:  
FOX CROSSING FIRE DEPT,  
VILLAGE OF  
1326 COLD SPRING ROAD  
NEENAH, WI 54956  
US

Quote Date:09/23/2023  
Expiration Date:11/22/2023  
Quote Created By:  
Eric Schroeder  
Communications Consultant  
eschroeder@baycominc.com  
920-544-4203

End Customer:  
Fox Crossing Fire Department  
Todd Sweeney  
tsweeney@foxcrossingwi.gov  
920-422-1354

Contract: 24752 - WCA  
Payment Terms:30 NET

Radio programming included.

Line #	Item Number	Description	Qty	List Price	Contract Price
	APX™ 8000 Series	APX8000XE			
1	H91TGD9PW6AN	APX 8000 ALL BAND PORTABLE MODEL 2.5	73	\$7,392.32	\$5,396.39
1a	QA01648AA	ADD: HW KEY SUPPLEMENTAL DATA	73	\$6.00	\$4.38
1b	Q806CB	ADD: ASTRO DIGITAL CAI OPERATION	73	\$567.00	\$413.91
1c	Q361AN	ADD: P25 9600 BAUD TRUNKING	73	\$330.00	\$240.90
1d	QA02006AC	ENH: APX8000XE RUGGED RADIO	73	\$880.00	\$642.40
1e	Q58AL	ADD: 3Y ESSENTIAL SERVICE	73	\$184.00	\$184.00
1f	QA05509AA	DEL: DELETE UHF BAND	73	-\$800.00	-\$584.00
1g	H38BS	ADD: SMARTZONE OPERATION	73	\$1,650.00	\$1,204.50
1h	QA05751AA	ADD: NO ENCRYPTION, CLEAR RADIO (NO ADP) (US ONLY)	73	\$0.00	\$0.00
1i	QA01427AG	ALT: APX8000/XE HOUSING GREEN	73	\$28.00	\$20.44



Line #	Item Number	Description	Qty	List Price	Contract Price
1j	QA09113AB	ADD: BASELINE RELEASE SW	73	\$0.00	\$0.00
2	NNTN8860A	CHARGER, SINGLE-UNIT, IMPRES 2, 3A, 115VAC, US/NA	73	\$186.50	\$136.15
3	PMMN4106D	AUDIO ACCESSORY-REMOTE SPEAKER MICROPHONE,XE500 REMOTE SPKR MIC WITH CHANNEL KNOB, HIGH IMPACT GREEN	73	\$665.28	\$485.65
4	LSV00Q00202A	DEVICE PROGRAMMING	73	\$85.00	\$85.00
	APX™ 6000 Series	APX6000 XE			
5	H98UCF9PW6BN	APX6000 700/800 MODEL 2.5 PORTABLE	363	\$3,595.00	\$2,624.35
5a	QA01648AA	ADD: HW KEY SUPPLEMENTAL DATA	363	\$6.00	\$4.38
5b	Q361AR	ADD: P25 9600 BAUD TRUNKING	363	\$330.00	\$240.90
5c	QA02006AA	ENH: APX6000XE RUGGED RADIO	363	\$880.00	\$642.40
5d	Q58AL	ADD: 3Y ESSENTIAL SERVICE	363	\$184.00	\$184.00
5e	H38BT	ADD: SMARTZONE OPERATION	363	\$1,320.00	\$963.60
5f	QA05751AA	ADD: NO ENCRYPTION, CLEAR RADIO (NO ADP) (US ONLY)	363	\$0.00	\$0.00
5g	QA01427AB	ALT: IMPACT GREEN HOUSING	363	\$28.00	\$20.44
5h	Q806BM	ADD: ASTRO DIGITAL CAI OPERATION	363	\$567.00	\$413.91
5i	QA09113AB	ADD: BASELINE RELEASE SW	363	\$0.00	\$0.00
6	NNTN8860A	CHARGER, SINGLE-UNIT, IMPRES 2, 3A, 115VAC, US/NA	363	\$186.50	\$136.15
7	PMMN4106D	AUDIO ACCESSORY-REMOTE SPEAKER MICROPHONE,XE500 REMOTE SPKR MIC WITH CHANNEL KNOB, HIGH IMPACT GREEN	363	\$665.28	\$485.65
8	LSV00Q00202A	DEVICE PROGRAMMING	363	\$85.00	\$85.00
	APX™ 6500 / Enh Series	ENHANCEDAPX6500			



Line #	Item Number	Description	Qty	List Price	Contract Price
9	M25URS9PW1BN	APX6500 ENHANCED 7/800 MHZ MOBILE	61	\$3,383.12	\$2,469.68
9a	QA01648AA	ADD: HW KEY SUPPLEMENTAL DATA	61	\$6.00	\$4.38
9b	G51AU	ENH: SMARTZONE OPERATION APX6500	61	\$1,320.00	\$963.60
9c	G67DT	ADD: REMOTE MOUNT E5 APXM	61	\$327.00	\$238.71
9d	G78AT	ENH: 3 YEAR ESSENTIAL SVC	61	\$288.00	\$288.00
9e	GA01606AA	ADD: NO BLUETOOTH/WIFI/GPS ANTENNA NEEDED	61	\$0.00	\$0.00
9f	G843AH	ADD: AES ENCRYPTION AND ADP	61	\$523.00	\$381.79
9g	G444AH	ADD: APX CONTROL HEAD SOFTWARE	61	\$0.00	\$0.00
9h	G335AW	ADD: ANT 1/4 WAVE 762-870MHZ	61	\$15.00	\$10.95
9i	G806BL	ENH: ASTRO DIGITAL CAI OP APX	61	\$567.00	\$413.91
9j	GA01670AA	ADD: APX E5 CONTROL HEAD	61	\$717.00	\$523.41
9k	GA01693AA	ADD : LEGACY TRUNNION SCREW KIT	61	\$11.00	\$8.03
9l	W22BA	ADD: STD PALM MICROPHONE APX	61	\$79.00	\$57.67
9m	W969BG	ADD: MULTIKEY OPERATION	61	\$363.00	\$264.99
9n	G361AH	ENH: P25 TRUNKING SOFTWARE APX	61	\$330.00	\$240.90
9o	B18CR	ADD: AUXILIARY SPKR 7.5 WATT APX	61	\$66.00	\$48.18
9p	QA09113AB	ADD: BASELINE RELEASE SW	61	\$0.00	\$0.00
10	LSV00Q00202A	DEVICE PROGRAMMING	61	\$85.00	\$85.00
	APX™ 8500				
11	M37TSS9PW1AN	APX8500 ALL BAND MP MOBILE	21	\$5,893.68	\$4,302.39
11a	QA01648AA	ADD: HW KEY SUPPLEMENTAL DATA	21	\$6.00	\$4.38
11b	GA01513AB	ADD: ALL BAND MOBILE ANTENNA (7/8/V/U)	21	\$105.00	\$76.65



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.  
 Motorola Solutions, Inc.: 500 West Monroe, United States - 60661 ~ #: 36-1115800

Line #	Item Number	Description	Qty	List Price	Contract Price
11c	G51AT	ENH:SMARTZONE	21	\$1,650.00	\$1,204.50
11d	G78AT	ENH: 3 YEAR ESSENTIAL SVC	21	\$288.00	\$288.00
11e	GA05509AA	DEL: DELETE UHF BAND	21	-\$800.00	-\$584.00
11f	GA01606AA	ADD: NO BLUETOOTH/WIFI/GPS ANTENNA NEEDED	21	\$0.00	\$0.00
11g	B18CR	ADD: AUXILIARY SPKR 7.5 WATT APX	21	\$66.00	\$48.18
11h	G444AH	ADD: APX CONTROL HEAD SOFTWARE	21	\$0.00	\$0.00
11i	G67EH	ADD: REMOTE MOUNT E5 MP	21	\$327.00	\$238.71
11j	GA01517AA	DEL: NO J600 ADAPTER CABLE NEEDED	21	\$0.00	\$0.00
11k	QA05751AA	ADD: NO ENCRYPTION, CLEAR RADIO (NO ADP) (US ONLY)	21	\$0.00	\$0.00
11l	G806BL	ENH: ASTRO DIGITAL CAI OP APX	21	\$567.00	\$413.91
11m	GA01670AA	ADD: APX E5 CONTROL HEAD	21	\$717.00	\$523.41
11n	W22BA	ADD: STD PALM MICROPHONE APX	21	\$79.00	\$57.67
11o	QA09113AB	ADD: BASELINE RELEASE SW	21	\$0.00	\$0.00
11p	G361AH	ENH: P25 TRUNKING SOFTWARE APX	21	\$330.00	\$240.90
12	LSV00Q00202A	DEVICE PROGRAMMING	21	\$85.00	\$85.00
	DVR-LX P25 Digital Vehicular Repeater				
13	TT3925A	SMARTCONNECT	2	\$166.00	\$166.00
14	TT06069AA	DVR STANDARD ORANGE SUITCASE	2	\$0.00	\$0.00
15	TT4006A	DVR-LX- - GPS DRIVEN DEACTIVATION	2	\$111.00	\$111.00
16	TT06279AA	DVR/VRX FOR USE WITH ALL BAND APX8500 MOBILE	2	\$0.00	\$0.00
17	TT06567AA	DVR-LX AUTHENTICATION	2	\$222.00	\$222.00
18	TT06568AA	DVR-LX RM-OTAP	2	\$222.00	\$222.00



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 Motorola Solutions, Inc.: 500 West Monroe, United States - 60661 ~ #: 36-1115800

Line #	Item Number	Description	Qty	List Price	Contract Price
19	TT3817A	DVR-LX PSU CONVENTIONAL SCAN	2	\$0.00	\$0.00
20	TT06075AA	DVR STANDARD 120VAC POWER SUPPLY	2	\$0.00	\$0.00
21	DDN2087A	DVR-LX IN-BAND 4 YEAR EXTENDED HARDWARE WARRANTY	2	\$1,053.00	\$1,053.00
22	TT3891A	DVR LX 800 MHZ SUITCASE IN- BAND - FREQUENCY PLAN B	2	\$22,442.00	\$22,442.00
23	LSV01Q03648A	VR PROGRAMMING SERVICES	2	\$85.00	\$85.00
<b>Grand Total</b>				<b>\$3,265,899.60(USD)</b>	





## 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)



# **Proposal: Winnebago County- Fire Dept Radios- 2023-10-06**

Prepared for:

Adam BellCorelli  
Of  
Winnebago County

Prepared by:

On  
10/6/2023

# VP8000

Multi-Band · Multi-Protocol  
Mission Critical Portable Radio

The KENWOOD Viking 8000 series Multi-Band, Multi-Protocol portable is specifically designed for today's public safety agencies with advanced features and ergonomics to meet the first responder's mission critical operational needs.

## Features

- Multi-Band operation (VHF, UHF, 700/800 MHz)
- Multi-Protocol
  - P25 Phase 1 & 2 Trunking
  - P25 Conventional
  - DMR<sup>1</sup>
  - Viking16 (SmartNet/SmartZone™ Compatible)
  - FM Analog
- Mixed protocol zones (each channel in a zone can be from a different system)
- 1024 channels (2048 & 4096 options)
- Public safety ergonomics: Flare grip for control, large glove friendly knobs, large emergency button
- 3-Watt audio maximum output for high noise environments
- Voice annunciation & custom announcement creation
- Fully ruggedized - IP67/68 & MIL-STD-810 C/D/E/F/G/H
- Full key models (with numeric keypad)
- Built-in GPS receiver/antenna for enhanced awareness
- MDC-1200 & GE-Star signaling
- P25 Authentication
- Bluetooth® / Bluetooth Low Energy
- Wi-Fi® 2.4 & 5 GHz (802.11a/b/g/n/ac)
- Man Down
- Instant Recording Replay (IRR) and Voice Recording
- Text Messaging
- Radio Cloning
- FIRESafe® Fire Ground Commander and First Responder
- Encryption
  - ARC4™ software encryption; compatible with Motorola ADP™
  - P25/TIA defined: AES-256
  - DES-OFB
  - Over-the-Air-Rekeying (OTAR)

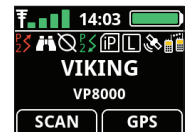


## User Selectable Color Themes

- Large full-color top LCD
- Multi-line text on both front and top displays
- Top flip display changes text orientation for viewing while in holster
- Multiple visual indicators including battery health & signal strength
- Day & night user selectable display options (8 themes available)



Day - High Contrast



Night - High Contrast

## Accessories

Complete line of accessories including microphones, speakers & antennas. Download the accessory catalog [here](https://info.efjohnson.com/viking-accessory-catalog/):  
<https://info.efjohnson.com/viking-accessory-catalog/>



We combine P25 design expertise with recognized quality & reliability along with advanced technology to make KENWOOD Viking radios simple to use & maintain.



### Perpetual Software Licensing

Adds greater value to your radios by extending the life of the software into your next hardware platform — you own the software option forever, and your licenses are simple to manage with our cloud-based tool — Vault™.



### Armada® Fleet Management

Update radios in a group rather than one at a time. One template programs both portables & mobiles. Supports either direct computer connection or Over-the-Air Programming (OTAP). Elite Battery Management enables wireless tracking of battery fleet.



### TrueVoice™ Noise Cancellation

Software-based noise cancellation automatically filters out noise source frequencies and eliminates the need for extra configuration. Works in analog or digital mode and with any accessory.

# VP8000 Portable Specifications

General		VHF	UHF	700/800 MHz
Frequency Ranges (FCC ID K44515000)		136-174 MHz	380-520 MHz	RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 806-825, 851-870 MHz
Channel Spacing	Analog	12.5/15/20/25 <sup>2</sup> /30 <sup>2</sup> kHz	12.5/25 <sup>2</sup> kHz	12.5/25 kHz
	Digital	12.5 kHz	12.5 kHz	12.5 kHz
Frequency Stability		±1.0 ppm -22 °F to +140 °F (-30 °C to +60 °C) [+77 °F Reference (+25 °C)]		
Maximum Channels or Talkgroups		1024 (2048 and 4096 options)		
Number of Zones		255		
Maximum Channels Per Zone		255		
Power Supply		7.5 V DC ±20%		
Operating Temperature		-22 °F to +140 °F (-30 °C to +60 °C)		
Case		Reinforced polycarbonate plastic - black or high visibility (additional fee)		
Dimensions (radio with battery)	KNB-L2 (2600 mAh)	3.04/2.28 x 5.91 x 1.73 in. (77.3/58.0 x 150.0 x 44.0 mm) [W(Top/Bottom) x H x D, projections not included]		
	KNB-L3 (3400 mAh)	3.04/2.28 x 5.91 x 1.94 in. (77.3/58.0 x 150.0 x 49.4 mm) [W(Top/Bottom) x H x D, projections not included]		
	KNB-L11 (3900 mAh)	3.04/2.28 x 5.91 x 2.02 in. (77.3/58.0 x 150.0 x 51.4 mm) [W(Top/Bottom) x H x D, projections not included]		
Weight (radio with battery)	KNB-L2 (2600 mAh)	18.7 oz (530.0 g)		
	KNB-L3 (3400 mAh)	20.2 oz (574.0 g)		
	KNB-L11 (3900 mAh)	20.7 oz (586.0 g)		
Receiver		VHF	UHF	700/800 MHz
Sensitivity	P25 Digital (5% BER)	-122 dBm (0.178 µV)	-121 dBm (0.199 µV)	-120 dBm (0.224 µV)
	Analog (12 dB SINAD) @ 12.5 kHz	-122 dBm (0.178 µV)	-121 dBm (0.199 µV)	-120 dBm (0.224 µV)
Selectivity	P25 Digital	62 dB		
	Analog @ 12.5 kHz	75 dB	71 dB	65 dB
	Analog @ 25 kHz	78 dB	75 dB	70 dB
Intermodulation		77 dB		75 dB
Spurious Rejection		85 dB		83 dB
Audio Distortion		1.25% (Analog)		
Audio Output Power		Nominal 1.5 W (P25 Digital < 1% Distortion), Maximum 3 W		
Transmitter		VHF	UHF	700/800 MHz
RF Output Power		1W/6W	1W/5W	1W/3W
Spurious Emission		77 dB	76 dB	75 dB
FM Hum & Noise	Analog @ 12.5 kHz	51 dB	47 dB	43 dB
	Analog @ 25 kHz	57 dB	53 dB	49 dB
Audio Distortion		1%		
Emission Designator		11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W, 7K60FXD, 7K60FXE, 7K60F1E, 7K60F1D, 7K60F1W, 7K60FXW		16K0F3E, 14K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W, 7K60FXD, 7K60FXE, 7K60F1E, 7K60F1D, 7K60F1W, 7K60FXW

MIL Standard	810H
Low Pressure	500.6/ I, II
High Temperature	501.7/ I, II
Low Temperature	502.7/ I, II
Temp. Shock	503.7/ I
Solar Radiation	505.7/ I
Rain	506.6/ I, III
Humidity	507.6/ II
Salt Fog	509.7
Dust	510.7/ I
Vibration	514.8/ I
Immersion	512.6/ I
Shock	516.8/ I, IV, VI

Encryption Options	
Supported Encryption	AES, DES-OFB, ARC4 (ADP compatible)
Encryption Keys per Radio	Capable of storing 1024 keys. Programmable for 252. Common Key Reference (CKR), 252 Physical Identifier (PID), Compatible w/ Motorola Key Variable Loader
Encryption Frame Re-sync Interval	P25 CAI 360 MSEC
Encryption Keying	External Key Loader, OTAR
Mode	OFB-Output Feedback
Encryption Type	Digital
Key Erasure	Keyboard Command, OTAR Zeroize, Tamper Detection
Standards	FIPS 140-3 Level 1, FIPS 140-3 Level 3, FIPS 197 (Pending)

Hazardous Location Standard (Pending)	
Certification Lab	CSA Group
Standard Applied	ANSI/TIA 4950-A-2014, UL913 5th Edition & ANSI/ISA-12.12.01-2011
Classification Rating	Intrinsically Safe: Classes I, II, III, Division 1, Groups C <sup>3</sup> , D, E, F, G Non-incendive: Class I, Division 2, Groups A, B, C, D
Approved Battery	KNB-LS7
Approved Speaker Microphones	KMC-70M, KMC-70GR, KMC-72W

### International Protection Standard

Dust & Water	IP54, IP55
Immersion	IP67, IP68 <sup>4</sup>

<sup>1</sup> DMR - future release

<sup>2</sup> 25 and 30 kHz are not included in the models sold in the USA or US territories.

<sup>3</sup> Division I US Group C is applicable for radio with approved battery only, or radio with approved battery and KMC-70-type speaker microphone only. If radio is in combination with any other approved accessories, Group D is applicable.

<sup>4</sup> IP68 = 2 m/2 hours

Specifications shown are typical and subject to change without notice. Please check the website for the latest version. V0112.23

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**EF Johnson Technologies, Inc.**

a JVCKENWOOD Company

1440 Corporate Drive, Irving, TX 75038-2401  
Phone: 800.328.3911 · efjohnson.com

# VP6000

VHF · UHF · 700/800 MHz  
P25 Phase 1 & 2 · Viking16

The KENWOOD Viking 6000 series portable is specifically designed for today's public safety agencies with advanced features and ergonomics to meet the first responder's mission critical operational needs.

### Features

- Mixed protocol operation (P25 Phase 1 & 2 Trunking, P25 Conventional, Viking16, FM Analog)
- Mixed protocol zones (each channel in a zone can be from a different system)
- 1024 channels (2048 and 4096 options)
- Public safety ergonomics: flare grip for control, large glove friendly knobs, large emergency button
- 1 Watt audio output for high noise environments
- Voice annunciation & custom announcement creation
- Fully ruggedized - IP67/68 & MIL-STD-810 C/D/E/F/G
- Full key models (w/ numeric keypad)
- Built-in GPS receiver/antenna for enhanced awareness<sup>1</sup>
- MDC-1200 & GE-Star signaling
- P25 Authentication
- Bluetooth®
- Man Down
- Instant Recording Replay (IRR)
- Voice Recording
- Encryption
  - ARC4™ software encryption; compatible w/Motorola ADP™
  - P25/TIA defined: AES-256
  - DES-OFB
  - Over-the-Air-Rekeying (OTAR)

<sup>1</sup>Refer to the Viking VP6000 operating manual for detailed requirements & conditions for proper GPS operation.

### Accessories

Complete line of accessories including microphones, speakers & antennas. Download the accessory catalog at [www.efjohnson.com/products/accessories](http://www.efjohnson.com/products/accessories).

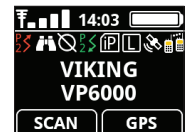


### User Selectable Color Themes

- Multi-line text
- Top flip display changes text orientation for viewing while in holster
- Multiple visual indicators including battery health & signal strength
- Backlight changes for event identification
- Day & night user selectable display options (8 themes available)



Day - High Contrast



Night - High Contrast

### Compatible with Multiple P25 Systems

- ATLAS® P25 Phase 1 and Phase 2 System
- Motorola Astro® 25 - P25 Phase 1 & Phase 2
- Harris VIDA® - P 25 Phase 1 & Phase 2
- Airbus (formerly Cassidian) VESTA™ Radia - P25 Phase 1 & Phase 2

We combine P25 design expertise with recognized quality & reliability along with advanced technology to make KENWOOD Viking radios simple to use & maintain.



#### Perpetual Software Licensing

Adds greater value to your radios by extending the life of the software into your next hardware platform — you own the software option forever, and your licenses are simple to manage with our cloud-based tool — Vault™.



#### Armada® Fleet Management

Update radios in a group rather than one at a time. One template programs both portables & mobiles. Supports either direct computer connection or Over-the-Air Programming (OTAP). Elite battery management enables wireless tracking of battery fleet.



#### TrueVoice™ Noise Cancellation

Software-based noise cancellation automatically filters out noise source frequencies and eliminates the need for extra configuration. Works in analog or digital mode and with any accessory.

# VP6230/6330/6430 Portable Specifications

General		VP6230	VP6330	VP6430
Frequency Range		136-174 MHz (FCC ID K44431400)	Type 1: 450-520 MHz (FCC ID K44431500) Type 2: 380-470 MHz (FCC ID K44431501)	RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 806-825, 851-870 MHz (FCC ID ALH442000)
Max. Channels Per Radio		1024 (2048 and 4096 options)		
Number of Zones		255		
Max. Channels Per Zone		255		
Channel Spacing	Analog	12.5/15/20/25*/30* kHz	12.5/25* kHz	12.5/25 kHz
	Digital	12.5 kHz	12.5 kHz	12.5 kHz
Power Supply		7.5 V DC $\pm$ 20%		
Operating Temperature		-22 °F to +140 °F (-30 °C to +60 °C)		
Frequency Stability		$\pm$ 1.5 ppm	$\pm$ 1.5 ppm	$\pm$ 1.5 ppm
Case		Polycarbonate - black or high visibility (additional fee)		
Dimensions W(Top/Bot- tom) x H x D Projections not included	KNB-L2 (2,600 mAh)	2.76/2.28 x 5.90 x 1.73 in. (70.0/58.0 x 149.8 x 44.0 mm)		
	KNB-L3 (3,400 mAh)	2.76/2.28 x 5.90 x 1.94 in. (70.0/58.0 x 149.8 x 49.4 mm)		
Weight with Battery	KNB-L2 (2,600 mAh)	171 oz (484.5 g)		
	KNB-L3 (3,400 mAh)	18.6 oz (527.5 g)		
Receiver		VP6230	VP6330	VP6430
Sensitivity	P25 Digital (5% BER)	-119 dBm		
	Analog (12 dB SINAD)	-119 dBm		
Selectivity	P25 Digital	60 dB		
	Analog @ 12.5 kHz	65 dB		
	Analog @ 25 kHz	73 dB		
Intermodulation		73 dB		75 dB
Spurious Rejection		80 dB	75 dB	
Audio Distortion		2.5%		
Audio Output Power		500 mW/8 $\Omega$ (3% Distortion)/1,000 mW/8 $\Omega$ (5% Distortion)		
Transmitter		VP6230	VP6330	VP6430
RF Output Power		1W/6W	1W/5W	1W/3W
Spurious Emission		70 dB		
FM Hum & Noise	Analog @ 12.5 kHz	40 dB		
	Analog @ 25 kHz	45 dB		
Audio Distortion		2%		
Emission Designator		16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W		16K0F3E, 14K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W

MIL Standard	810G
Low Pressure	500.5/ I, II
High Temperature	501.5/ I, II
Low Temperature	502.5/ I, II
Temp. Shock	503.5/ I
Solar Radiation	505.5/ I
Rain	506.5/ I, III
Humidity	507.5/ II
Salt Fog	509.5
Dust	510.5/ I
Vibration	514.6/ I
Immersion	512.5/ I
Shock	516.6/ I, IV

Encryption Options	
Supported Encryption	AES, DES-OFB, ARC4
Encryption Key/ Radio	126 Common Key Reference (CKR), 126 Physical Identifier (PID), Compatible w/ Motorola Key Variable Loader
Encryption Frame Re-sync Interval	P25 CAI 360 MSEC
Encryption Keying	External Key Loader, OTAR
Mode	OFB-Output Feedback
Encryption Type	Digital
Key Erasure	Keyboard Command
Standards	FIPS 46-3, FIPS 81, FIPS 140-2, FIPS 197

## Hazardous Location Standard

Certification Lab	CSA Group
Standard Applied	ANSI/TIA 4950-A-2014, UL913 5th Edition & ANSI/ISA-12.12.01-2011
Classification Rating	Intrinsically Safe: Classes I, II, III, Division 1, Groups D, E, F, G Non-incendive: Class I, Division 2, Groups A, B, C, D

## Accessories

Approved Battery	KNB-LS7
Approved Speaker Microphones	KMC-54WDM

## International Protection Standard

Dust & Water	IP54, IP55
Immersion	IP67**, IP68***



**NCI**  
NIELSON COMMUNICATIONS, INC.  
"wireless & security solutions"

645 Mike McCarthy Way  
Green Bay, WI 54304

sales@nielsoncom.com  
www.nielsoncom.com

\* 25 and 30 kHz are not included in the models sold in the USA or US territories.

\*\* IP67/IP68 - Must have the Speaker Mic UDC connector or UDC protector connected.

\*\*\* IP68 = 1m/2H

Specifications shown are typical and subject to change without notice Please check the website for the latest version.

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**EF Johnson Technologies, Inc.**

a JVCKENWOOD Company

1440 Corporate Drive, Irving, TX 75038-2401

Phone: 800.328.3911 · ejohnson.com

# VP5000

VHF · UHF (High & Low) · 700/800 MHz  
P25 Phase 1 & 2 · Viking16

At just under 5.5 inches tall (140 mm), these small KENWOOD Viking portable radios are packed with advanced features for today's public safety agencies.

### Features

- Mixed protocol operation (P25 Phase 1 & 2 Trunking, P25 Conventional, Viking16, FM Analog)
- Mixed protocol zones (each channel in a zone can be from a different system)
- 1024 channels
- 1 Watt audio output for high noise environments
- Voice annunciation & custom announcement creation
- Fully ruggedized - IP67 & MIL-STD-810 C/D/E/F/G
- Full key models (w/numeric keypad) & standard key models (w/o numeric keypad)
- Built-In GPS receiver/antenna for enhanced awareness<sup>1</sup>
- MDC-1200 & GE-Star signaling
- P25 Authentication
- Bluetooth®
- Man Down
- Instant Recording Replay (IRR)
- Voice Recording
- Encryption
  - ARC4™ software encryption; compatible w/Motorola ADP™
  - DES-OFB
  - AES-256 (FIPS 140-2) Single and Multi-Key
  - Over-the-Air-Rekeying (OTAR)
  - VK5000 or Motorola KVL3000/KVL4000 Keyloader

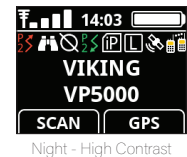
### Accessories

Complete line of accessories including microphones, speakers & antennas. Download the accessory catalog at [www.efjohnson.com/products/accessories](http://www.efjohnson.com/products/accessories).



### User Selectable Color Themes

- Multi-line text
- Multiple visual indicators including battery health & signal strength
- Day & night user selectable display options (8 themes available)



### Compatible With P25 Systems

- ATLAS® P25 Phase 1 and Phase 2 System
- Motorola Astro® 25 - P25 Phase 1 & Phase 2
- Harris VIDA® - P25 Phase 1 & Phase 2
- Airbus (formerly Cassidian) VESTA™ Radio - P25 Phase 1 & Phase 2

We combine P25 design expertise with recognized quality & reliability along with advanced technology to make KENWOOD Viking radios simple to use & maintain.



#### Perpetual Software Licensing

Adds greater value to your radios by extending the life of the software into your next hardware platform — you own the software option forever, and your licenses are simple to manage with our cloud-based tool — Vault™.



#### Armada® Fleet Management

Update radios in a group rather than one at a time. One template programs both portables & mobiles. Supports either direct computer connection or Over-the-Air Programming (OTAP). Elite battery management enables wireless tracking of battery fleet.



#### TrueVoice™ Noise Cancellation

Software-based noise cancellation automatically filters out noise source frequencies and eliminates the need for extra configuration. Works in analog or digital mode and with any accessory.

# VP5230/5330/5430 Portable Specifications

General		VP5230	VP5330	VP5430
Frequency Range		136-174 MHz (FCC ID K44431400)	Type 1: 450-520 MHz (FCC ID K44431500) Type 2: 380-470 MHz (FCC ID K44431501)	RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 806-825, 851-870 MHz (FCC ID ALH442000)
Max. Channels Per Radio		1024		
Number of Zones		255		
Max. Channels Per Zone		255		
Channel Spacing	Analog	12.5/15/20/25*/30* kHz	12.5/25* kHz	12.5/25 kHz
	Digital	12.5 kHz	12.5 kHz	12.5 kHz
Power Supply		7.5 V DC ±20%		
Operating Temperature		-22 °F to +140 °F (-30 °C to +60 °C)		
Frequency Stability		±1.5 ppm	±1.5 ppm	±1.5 ppm
Dimensions (W x H x D) Projections Not Included	KNB-L2 (2,600 mAh)	2.28 x 5.47 x 1.56 in. (58.0 x 138.9 x 39.5 mm)		
	KNB-L3 (3,400 mAh)	2.28 x 5.47 x 1.77 in. (58.0 x 138.9 x 44.9 mm)		
Weight with Battery	KNB-L2 (2,600 mAh)	14.3 oz (406 g)		
	KNB-L3 (3,400 mAh)	15.8 oz (449 g)		
Receiver		VP5230	VP5330	VP5430
Sensitivity	P25 Digital (5% BER)	-119 dBm (0.025 µV)		
	Analog (12 dB SINAD)	-119 dBm (0.025 µV)		
Selectivity	P25 Digital	60 dB		
	Analog @ 12.5 kHz	65 dB		
	Analog @ 25 kHz	73 dB		
Intermodulation		73 dB		75 dB
Spurious Rejection		80 dB		75 dB
Audio Distortion		3%		
Audio Output Power		500 mW/8 Ω (3% Distortion)/1,000 mW/8 Ω (5% Distortion)		
Transmitter		VP5230	VP5330	VP5430
RF Output Power		1W/6W	1W/5W	1W/3W
Spurious Emission		-70 dB		
FM Hum & Noise	Analog @ 12.5 kHz	40 dB		
	Analog @ 25 kHz	45 dB		
Audio Distortion		2%		
Emission Designator		16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W		16K0F3E, 14K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W

Mil Standard	810G
Low Pressure	500.5/ I, II
High Temperature	501.5/ I, II
Low Temperature	502.5/ I, II
Temp. Shock	503.5/ I
Solar Radiation	505.5/ I
Rain	506.5/ I, III
Humidity	507.5/ II
Salt Fog	509.5
Dust	510.5/ I
Vibration	514.6/ I
Immersion	512.5/ I
Shock	516.6/ I, IV

Encryption Options	
Supported Encryption	AES, DES-OFB, ARC4
Encryption Key/ Radio	126 Common Key Reference (CKR), 126 Physical Identifier (PID), Compatible w/ Motorola Key Variable Loader
Encryption Frame Re-sync Interval	P25 CAI 360 MSEC
Encryption Keying	External Key Loader, OTAR
Mode	OFB-Output Feedback
Encryption Type	Digital
Key Erasure	Keyboard Command
Standards	FIPS 46-3, FIPS 81, FIPS 140-2, FIPS 197

Hazardous Location Certification	
Certification Lab	CSA Group
Standard Applied	ANSI/TIA 4950-A-2014, UL913 5th Edition & ANSI/ISA-12.12.01-2011
Classification Rating	Intrinsically Safe: Classes I, II, III, Division 1, Groups D, E, F, G Non-incendive: Class I, Division 2, Groups A, B, C, D
Approved Battery	KNB-LS7
Approved Speaker Micro-phones	KMC-54WDM
International Protection Standard	
Dust & Water	IP54, IP55
Immersion	IP67**/68***



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\*Refer to the Viking VP5000 operating manual for detailed requirements & conditions for proper GPS operation.

\* 25/30 kHz in VHF/UHF Bands (except T-Band) are not included in the models sold in the USA or US territories.

\*\* IP67/68 - Must have the Speaker Mic Universal Connector or Universal Connector Protector connected.

\*\*\*IP68=1m/2H Specifications shown are typical and subject to change without notice Please check the website for the latest version. V.02.25.19

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# VM7000

VHF (with High Power and Low Band High Power<sup>2</sup> options) ·  
 UHF-Low · UHF-High · 700/800 MHz  
 Analog · P25 Phase 1 & 2 · Viking16

With the VM7000 All-Band Multi-Deck Mobile, you can simultaneously receive and display up to four bands so you never miss a call. The "select" and "unselect" speakers give you the option for audio control similar to a dispatch console. KENWOOD Viking® is the industry's only mobile platform providing TrueVoice™ noise cancellation.



## Features

- Mixed protocol operation (P25 Phase 1 & 2 Trunking, P25 Conventional, Viking16, FM Analog)
- 1024 channels (2048 and 4096 options)
- Mixed protocol zones
- P25 Authentication (Link Layer Authentication)
- P25 IP packet data
- P25 GPS data (built in GPS)<sup>1</sup>
- MDC-1200 & GE-Star signaling
- P25 Conventional vote scan
- Single or Dual Remote Mount configuration
- External speaker
- Over-the-Internet-Programming (OTIP)
- Encryption
  - ARC4™ software encryption; compatible with Motorola ADP™
  - DES-OFB
  - AES-256 (FIPS 140-2) Single and Multi-Key
  - Over-the-Air-Rekeying (OTAR)
  - VK5000 or Motorola KVL3000/KVL4000 Keyloaders
- WiFi
- Instant Recording Replay (IRR)
- Voice Recording

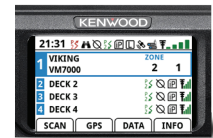
<sup>1</sup>Refer to the Viking VM7000 operating manual for detailed requirements & conditions for proper GPS operation.

## Accessories

Complete line of accessories including microphones, speakers & antennas.  
 Download the accessory catalog at  
[www.efjohnson.com/products/accessories](http://www.efjohnson.com/products/accessories).

## Enhanced Control Head

- Larger display - 2.75" (36 x 60 mm)
- Resolution of 400 x 240 pixels
- Viewing angle of 140°
- Multi-color LCD + TX/RX (green/red) LEDs
- D-Pad & more PF keys, dedicated emergency key & channel/volume control knobs
- Replaceable A/B/C button labels
- User selectable themes (8 themes available)
- Day & night display options



Day - High Contrast



Night - High Contrast

## Compatible With P25 Systems<sup>2</sup>

- ATLAS® P25 Phase 1 and Phase 2 System
- Motorola Astro® 25 - P25 Phase 1 & Phase 2
- Harris VIDA® - P25 Phase 1 & Phase 2
- Airbus (formerly Cassidian) VESTA™ Radio - P25 Phase 1 & Phase 2

We combine P25 design expertise with recognized quality & reliability along with advanced technology to make KENWOOD Viking radios simple to use & maintain.



### Perpetual Software Licensing

Adds greater value to your radios by extending the life of the software into your next hardware platform — you own the software option forever, and your licenses are simple to manage with our cloud-based tool — Vault™.



### Armada® Fleet Management

Update your radios in a group rather than one at a time. One template programs both portables & mobiles. Supports either a direct computer connection, Over-the-Air Programming (OTAP), or Over-the-Internet Programming (OTIP).



### TrueVoice™ Noise Cancellation

Software-based noise cancellation automatically filters out noise source frequencies and eliminates the need for extra configuration. Works in analog or digital mode and with any accessory.

# VM7000 Mobile Specifications

General		VHF Low Band (110W) <sup>2</sup>	VHF (110W)	VHF	UHF	700/800 MHz	
Frequency Range		39-50 MHz	136-174 MHz	136-174 MHz	Type 1: 450-520 MHz Type 2: 380-470 MHz	RX: 762-776, 851-870 MHz TX: 762-776, 792-806, 806-825, 851-870 MHz	
Max. Channels Per Radio		1024 (2048 and 4096 options)					
Number of Zones		255					
Max. Channels Per Zone		255					
Channel Spacing	Analog	12.5/15/20/25*/30* kHz			12.5/25* kHz	12.5/25 kHz	
	Digital	Not applicable	12.5 kHz				
Power Supply		13.4 V DC ±15 %			13.6 V DC ±15 %		
Current Drain	Standby	1.3 A			1.2 A		
	RX	3.3 A			3.0 A		
	TX	28 A			14 A		
Operating Temperature		-22 °F to +140 °F (-30 °C to +60 °C)					
Frequency Stability		±1.0 ppm			±1.5 ppm		
Dimensions (W x H x D) RF Deck + Front Head Unit (not including KCH-20RV)		7.01 x 2.56 x 13.84 in. (178 x 65 x 351.5 mm)			6.73 x 1.89 x 7.24 in. (171 x 48 x 184 mm)		
Weight - RF Deck + Front Head Unit (not including KCH-20RV)		12.1 lbs (5.5 kg)			3.31 lbs (1.5 kg)		
Weight - RF Deck + Front Head Unit (not including KCH-20RV)		12.1 lbs (5.5 kg)			3.75 lbs (1.7 kg)		
Receiver		VM7630H	VM7730H	VM7730	VM7830	VM7930	
Sensitivity	P25 Digital (5% BER)	Not applicable	-119 dBm (0.25 µV)				
	Analog (12 dB SINAD)	-119 dBm (0.25 µV)					
Selectivity	P25 Digital	Not applicable	60 dB				
	Analog @ 12.5 kHz	60 dB					
	Analog @ 25 kHz	75 dB					
Intermodulation		80 dB					
Spurious Rejection		85 dB				87 dB	
Audio Distortion		3%			2%		
Audio Output Power		12 W/4 Ω (External Audio Output)			4 W/4 Ω (Remote Control Head: 3 W/4 Ω)		
Transmitter		VM7630H	VM7730H	VM7730	VM7830	VM7930	
RF Power Output Power		25W-110W			5W/50W	5W/45W - (Type 1: 450-485 MHz) 5W/40W - (Type 1: 485-520 MHz) 5W/40W - (Type 2: 380-470 MHz)	2W/30W (700 MHz) 2W/35W (800 MHz)
Spurious Emission		-80 dB			-73 dB	-75 dB	-80 dB
FM Hum & Noise	Analog @ 12.5 kHz	45 dB				40 dB	
	Analog @ 25 kHz	50 dB				45 dB	
Audio Distortion		2%					
Emission Designator		VM7730H/7730/7830: 16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W VM7930: 16K0F3E, 14K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W					

Mil Standard	810C	810D	810E	810F	810G
Low Pressure	500.1/ I	500.2/ I, II	500.3/ I, II	500.4/ I, II	500.5/ I, II
High Temperature	501.1/ I, II	501.2/ I, II	501.3/ I, II	501.4/ I, II	501.5/ I, II
Low Temperature	502.1/ I	502.2/ I, II	502.3/ I, II	502.4/ I, II	502.5/ I, II
Temp. Shock	503.1/ I	503.2/ I	503.3/ I	503.4/ I, II	503.5/ I
Solar Radiation	505.1/ I	505.2/ I	505.3/ I	505.4/ I	505.5/ I
Rain	506.1/ I, II	506.2/ I, II	506.3/ I, II	506.4/ I, III	506.5/ I, III

Mil Standard	810C	810D	810E	810F	810G
Humidity	507.1/ I, II	507.2/ II, III	507.3/ II, III	507.4	507.5/ II
Salt Fog	509.1/ I	509.2/ I	509.3/ I	509.4	509.5
Dust	510.1/ I	510.2/ I	510.3/ I	510.4/ I, III	510.5/ I
Vibration	514.2/ VIII, X	514.3/ I	514.4/ I	514.5/ I	514.6/ I
Shock	516.2/ I, V	516.3/ I, V	516.4/ I, V	516.5/ I, V	516.6/ I, V

## International Protection Standard

Dust & Water IP54, IP55\*\*

\*IP54: RF Deck of the mobile radio; IP55: Remote Control Head for the mobile radio.

\*25/30 kHz in VHF/UHF Bands are not included in the models sold in the USA or US territories. Analog measurements made per TIA 603 and specifications shown are typical.

<sup>2</sup>VHF Low Band High Power is analog mode only, multi-deck configuration only.

All specifications are subject to change without notice. Please check the website for the latest version.  
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Encryption Options	
Supported Encryption	AES, DES-OFB, ARC4
Encryption Key/ Radio	126 Common Key Reference (CKR), 126 Physical Identifier, (PID), Compatible w/ Motorola Key Variable Loader
Encryption Frame Re-sync Interval	P25 CAI 360 MSEC
Encryption Keying	External Key Loader, OTAR
Mode	OFB-Output Feedback
Encryption Type	Digital
Key Erasure	Keyboard Command
Standards	FIPS 46-3, FIPS 81, FIPS 140-2, FIPS 197



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"wireless & security solutions"

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EF Johnson Technologies, Inc.

a JVCENWORLD Company

# SVR-350 GUARDIAN The Scalable Vehicular Repeater

SIMPLEX COVERAGE

2 WATT COVERAGE

ESP™ PRIORITY STRUCTURE

P25 SMART TRUNKING™ / EVRS

ANALOG & P25 EMERGENCY

P25 PHASE 1 COMPLIANT

AES/DES ENCRYPTION OPTIONS



- ▲ SVR-200 and SVR-250 Compatible
- ▲ P25 Upgradeable In The Field
- ▲ SVR-P250 and SVR-P255 Compatible with P25 Option
- ▲ Software Configured Audio Levels and Jumpers
- ▲ ESP™ Multi-Vehicle Format
- ▲ Available in VHF, UHF, 700 & 800 MHz Models
- ▲ Seamless Trunking Handshake with EVRS Option
- ▲ Factory Interface Cables for Most Popular Public Safety Radios



## SVR-350™ Guardian™ Analog and P25 Vehicular Repeater

The SVR-350™ Guardian™ is the latest and most advanced simplex vehicular repeater from Pyramid Communications. This is the first vehicular repeater offered by Pyramid that is scalable from a full featured analog unit to a digital P25 unit later. Optional Software Feature Keys (SFK) can add capabilities like P25 digital operation, AES/DES Encryption, EVRS and more!

In analog mode, the unit is fully backwards compatible with SVR-200™ and SVR-250™ analog systems. Users can enjoy a budget friendly entry to the SVR product line with the option to add APCO Project 25 Phase 1 digital, and enjoy clear and secure communications in P25. In P25 mode, the SVR-350™ Guardian is backwards compatible with SVR-P250™ and SVR-P255™ products.

Optionally, the unit supports Pyramid's P25 SmartTrunking feature and works with mobile radios using the EVRS trunking protocol, to create a seamless trunking handshake between the mobile

radio network and SVR-350™ user. This ensures that portable radio users outside the vehicle get quick and accurate notifications of all transmissions to the P25 network. Users will get indications of **Channel Grant, Busy, Denial, Out of Range** just as if they were on a trunked channel of the digital network.

In addition, when in P25 operation, the SVR-350™ offers optional **AES and DES encryption**, and enhanced P25 **emergency signaling** from portable to dispatch through the SVR-350™. This allows the SVR to relay an emergency with **Hot Mic** from the portable radio user.

The SVR-350™ also utilizes Pyramid's latest **ESP™ and ESP2™** priority structures that resolve priority conflicts during repeater idle time rather than at the critical start of a conversation.

714-901-5462  
[www.pyramidcomm.com](http://www.pyramidcomm.com)

  
**PYRAMID**  
COMMUNICATIONS  
Since 1990



# Specifications SVR-350



## TRANSMITTER

	VHF	UHF	764-870
<b>Frequency Range</b>	<b>136-174 MHz</b>	<b>380-470 MHz</b>	<b>764-776 MHz + 850-870 MHz</b>
<b>RF Power Out</b>	0.5 - 2W	0.5 - 2W	0.25 - 1W
<b>Spurious Emissions</b>	-70dBc	-70dBc	-70dBc
<b>Frequency Stability -30°~+60°C</b>	±1.5PPM	±1.5PPM	±1.5PPM
<b>Modulation</b>	10K0F1D, 10K0F1E, 10K0F7D, 10K0F7E, 11K0F3E, 12K3F1D, 16K0F3E, 4K80F2D, 7K60F1D, 8K10F1D, 8K10F1E, 8K10F7D, 8K10F7E, 8K40F2D	10K0F1D, 10K0F1E, 10K0F7D, 10K0F7E, 11K0F3E, 12K3F1D, 16K0F3E, 4K80F2D, 7K60F1D, 8K10F1D, 8K10F1E, 8K10F7D, 8K10F7E, 8K40F2D	10K0F1D, 10K0F1E, 10K0F7D, 10K0F7E, 11K0F3E, 12K3F1D, 16K0F3E, 4K80F2D, 7K60F1D, 8K10F1D, 8K10F1E, 8K10F7D, 8K10F7E, 8K40F2D
<b>Hum and Noise</b>			
25/30kHz	-43dB	-43dB	-40dB
12.5kHz	-38dB	-38dB	-33dB
<b>Audio Response (300-3kHz)</b>	Flat or -6dB/octave	Flat or -6dB/octave	Flat or -6dB/octave
<b>Audio Distortion</b>	<3% @ 1kHz 60% deviation	<3% @ 1kHz 60% deviation	<3% @ 1kHz 60% deviation
<b>Local Mic Sensitivity</b>	300mV - 5VPP	300mV - 5VPP	300mV - 5VPP
<b>FCC Type Acceptance</b>	LRUSVR-P250VA	LRUSVR-P250UA	LRUSVR-P250MB
<b>Industry Canada Approval</b>	2390A-SVRP250VA	2390A-SVRP250UA	2390A-SVRP250MB

## RECEIVER

	VHF	UHF	764-870
<b>Frequency Range</b>	<b>136-174 MHz</b>	<b>380-470 MHz</b>	<b>764-776 MHz + 850-870 MHz</b>
<b>Analog Sensitivity</b>	0.28µV	0.28µV	0.28µV
<b>Digital Sensitivity (5% BER)</b>	0.20µV	0.20µV	0.20µV
<b>Squelch Sensitivity</b>	.2µV to 2µV adjustable	.2µV to 2µV adjustable	.2µV to 2µV adjustable
<b>Selectivity</b>			
25/30kHz channel	75dB	75dB	75dB
12.5kHz channel	65dB	65dB	65dB
<b>Spurious/Image Rejection</b>	75dB	75dB	75dB
<b>IMD Response</b>	75dB	75dB	75dB
<b>Frequency Stability</b>	±1.5PPM	±1.5PPM	±1.5PPM
<b>Audio Response (300-3kHz)</b>	Flat or +6dB/octave	Flat or +6dB/octave	Flat or +6dB/octave
<b>Audio Output</b>	0-5VPP AC coupled 600/2.2K	0-5VPP AC coupled 600/2.2K	0-5VPP AC coupled 600/2.2K
<b>Local Rx Audio</b>	400 mW 8 Ohms@ <5% distortion	400 mW 8 Ohms@ <5% distortion	400 mW 8 Ohms@ <5% distortion



## Power Requirements

<b>DC Supply</b>	13.6VDC negative ground ± 25%
<b>Standby</b>	250mA
<b>Receive</b>	500mA @ 400mW Rx audio
<b>Transmit</b>	<3A @ rated output

<b>Physical Dimensions</b>	5.75" W x 10" L x 2.25" H
<b>Weight</b>	38 ounces
<b>Case</b>	One-piece extruded aluminium

Mil-Std-810H Ratings	
501.5	Procedure II High Temp +60°C
502.5	Procedure II Low Temp -30°C
507.4	Procedure II Humidity
514.5	Procedure I Category 8 Vibration, Ground Vehicle
516.5	Procedure I Shock



# VM5000

VHF · UHF (High & Low) · 700/800 MHz  
P25 Phase 1 & 2 · Viking16

With uncompromised quality and performance, the VM5000 has built-in speakers to take the complexities out of mission-critical communications.

### Features

- Mixed protocol operation (P25 Phase 1 & 2 Trunking, P25 Conventional, Viking16, FM Analog)
- 1024 channels
- Mixed protocol zones
- P25 Authentication (Link Layer Authentication)
- P25 IP packet data
- GPS AVL data (built in GPS)<sup>1</sup>
- MDC-1200 & GE-Star signaling
- Analog & P25 Conventional vote scan
- Dash mount (KCH-19 control head only)
- Remote mount
- Dual control heads
- Internal or external speaker
- Fixed control station
- WiFi (remote mount configuration only)
- Bluetooth (Future)
- Instant Recording Replay (IRR)
- Voice Recording
- Encryption
  - ARC4™ software encryption; compatible w/Motorola ADP™
  - DES-OFB
  - AES-256 (FIPS 140-2) Single and Multi-Key
  - Over-the-Air-Rekeying (OTAR)
  - VK5000 or Motorola KVL3000/KVL4000 Keyloader

<sup>1</sup>Refer to the Viking VM5000 operating manual for detailed requirements & conditions for proper GPS operation.

### Accessories

Complete line of accessories including microphones, speakers & antennas.  
Download the accessory catalog at  
[www.efjohnson.com/products/accessories](http://www.efjohnson.com/products/accessories).

We combine P25 design expertise with recognized quality & reliability along with advanced technology to make KENWOOD Viking radios simple to use & maintain.



### Basic Control Head

- Resolution of 422 x 154 pixel
- Viewing angle of 140°
- User selectable themes (8 themes available)
- Day & night display options



Day - High Contrast



Night - High Contrast

### Compatible With P25 Systems

- ATLAS® P25 Phase 1 and Phase 2 System
- Motorola Astro® 25 - P25 Phase 1 & Phase 2
- Harris VIDA® - P25 Phase 1 & Phase 2
- Airbus (formerly Cassidian) VESTA™ Radio - P25 Phase 1 & Phase 2



#### Perpetual Software Licensing

Adds greater value to your radios by extending the life of the software into your next hardware platform — you own the software option forever, and your licenses are simple to manage with our cloud-based tool — Vault™.



#### Armada® Fleet Management

Update your radios in a group rather than one at a time. One template programs both portables & mobiles. Supports direct computer connection, Over-the-Air Programming (OTAP), or Over-the-Internet Programming (OTIP).



#### TrueVoice™ Noise Cancellation

Software-based noise cancellation automatically filters out noise source frequencies and eliminates the need for extra configuration. Works in analog or digital mode and with any accessory.

# VM5730/5830/5930 Mobile Specifications

General		VM5730	VM5830	VM5930
Frequency Range		136-174 MHz	Type 1: 450-520 MHz Type 2: 380-470 MHz	RX: 762-776, 851-870 MHz TX: 762-776, 792-806, 806-825, 851-870 MHz
Max. Channels Per Radio		1024		
Number of Zones		255		
Max. Channels Per Zone		255		
Channel Spacing	Analog	12.5/15/20/25*/30* kHz	12.5/25* kHz	12.5/25 kHz
	Digital	12.5 kHz	12.5 kHz	12.5 kHz
Power Supply		13.6 V DC ±15 %		
Current Drain	Standby	0.45 A		
	RX	2.3 A		
	TX	13 A		
Operating Temperature		-22 °F to +140 °F (-30 °C to +60 °C)		
Frequency Stability		±1.5 ppm		
Dimensions (W x H x D) Radio w/Control Head, Projections not Included		6.73 x 1.89 x 6.93 in. (171 x 48 x 176 mm)		6.73x1.89x7.72 in. (171.0 x 48.0 x 196 mm)
Weight (Radio w/Control Head)		3.53 lbs (1.6 kg)		3.75 lbs (1.7kg)

Receiver		VM5730	VM5830	VM5930
Sensitivity	P25 Digital (5% BER)	-119 dBm (0.25 µV)		
	Analog (12 dB SINAD)	-119 dBm (0.25 µV)		
Selectivity	P25 Digital	60 dB		
	Analog @ 12.5 kHz	60 dB		
	Analog @ 25 kHz	75 dB		75 dB
Intermodulation		80 dB		
Spurious Rejection		85 dB		87 dB
Audio Distortion		2%		
Audio Output Power		4 W/4 Ω (Remote Control Head: 3 W/4 Ω)		
Transmitter		VM5730	VM5830	VM5930
RF Output Power		5W/50W	5W/45W - (Type 1: 450-485 MHz) 5W/40W - (Type 1: 485-520 MHz) 5W/40W - (Type 2: 380-470 MHz)	2W/30W (700 MHz) 2W/35W (800 MHz)
Spurious Emission		-73 dB	-75 dB	-80 dB
FM Hum & Noise	Analog @ 12.5 kHz	45 dB		40 dB
	Analog @ 25 kHz	50 dB		45 dB
Audio Distortion		2%		
Emission Designator		VM5730/5830: 16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W VM5930: 16K0F3E, 14K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W		

Mil Standard	810C	810D	810E	810F	810G
Low Pressure	5001/ I	500.2/ I, II	500.3/ I, II	500.4/ I, II	500.5/ I, II
High Temperature	5011/ I, II	501.2/ I, II	501.3/ I, II	501.4/ I, II	501.5/ I, II
Low Temperature	5021/ I	502.2/ I, II	502.3/ I, II	502.4/ I, II	502.5/ I, II
Temp. Shock	5031/ I	503.2/ I	503.3/ I	503.4/ I, II	503.5/ I
Solar Radiation	5051/ I	505.2/ I	505.3/ I	505.4/ I	505.5/ I
Rain	5061/ I, II	506.2/ I, II	506.3/ I, II	506.4/ I, III	506.5/ I, III

Mil Standard	810C	810D	810E	810F	810G
Humidity	5071/ I, II	507.2/ II, III	507.3/ II, III	507.4	507.5/ II
Salt Fog	5091/ I	509.2/ I	509.3/ I	509.4	509.5
Dust	5101/ I	510.2/ I	510.3/ I	510.4/ I, III	510.5/ I
Vibration	514.2/ VIII, X	514.3/ I	514.4/ I	514.5/ I	514.6/ I
Shock	516.2/ I, V	516.3/ I, V	516.4/ I, V	516.5/ I, V	516.6/ I, V

#### INTERNATIONAL PROTECTION STANDARD

Dust & Water IP54, IP55<sup>1</sup>

<sup>1</sup>IP54: RF Deck of the mobile radio; IP55: Remote Control Head for the mobile radio.

Encryption Options	
Supported Encryption	AES, DES-OFB, ARC4
Encryption Key/Radio	126 Common Key Reference (CKR), 126 Physical Identifier (PID), Compatible w/ Motorola Key Variable Loader
Encryption Frame Re-sync Interval	P25 CAI 360 MSEC
Encryption Keying	External Key Loader, OTAR
Mode	OFB-Output Feedback
Encryption Type	Digital
Key Erasure	Keyboard Command
Standards	FIPS 46-3, FIPS 81, FIPS 140-2, FIPS 197



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\*25/30 kHz in VHF/UHF Bands are not included in the models sold in the USA or US territories.

Analog measurements made per TIA 603 and specifications shown are typical. Digital measurements made per TIA 102CAAA and specifications shown are typical. All specifications are subject to change without notice. Please check the website for the latest version. V02.2219 © Copyright 2019 EF Johnson Technologies, Inc. (E.F. Johnson Company is operating entity)

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COMMUNICATION AND SECURITY SOLUTIONS

# QUOTE

<b>QUOTE #</b>	BUPWQ1992
<b>DATE</b>	10/6/2023

**TO** Adam BellCorelli  
 Winnebago County  
 415 Jackson St  
 Oshkosh, WI 54903-4875  
 Winnebago  
 Phone: (920)232-3450

SALESPERSON	JOB	PAYMENT TERMS	DUE DATE
Ben W			

QTY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
	Kenwood Viking VP8000 Dual Band VHF/700/800 High Vis Green Radio		

645 Mike McCarthy Way  
 Green Bay WI 54304  
 Ph.920-494-1828  
 Fx. 920-494-7391

[www.nielsoncom.com](http://www.nielsoncom.com)  
[sales@nielsoncom.com](mailto:sales@nielsoncom.com)

2416 Industrial Drive  
 Neenah WI 54956  
 Ph. 920-886-1112  
 Fx. 920-886-0267

COMMUNICATION AND SECURITY SOLUTIONS

73	<p>VP8000GRF2 KENWOOD MULTI BAND RADIO, GREEN, MODEL 2, WITH ANTENNA AND BATTERY            Configuration VP8000GRF2 VP8000, M2, GR            Frequency 832VP8000-VHF VHF            Frequency 832VP8000-7800 7/800 MHz            Model Standard Keypad (M2)            Housing Hi Visibility (Green)            Model Options Immersion            Antenna KRA-47MB Wideband Antenna            Battery KNB-L2M Li-ion 2600mAh (L2 Standard)            Speaker Microphone KMC-70GR KMC-70GR Speaker Mic (Hi-Viz)            Protocol Analog FM            Protocol P25 CAI AMBE+2            System Analog Conventional            System 8322000002 P25 Conventional            System 8322000005 P25 Phase 1 Trunking            System 8322000006 P25 Phase 2 TDMA            Channels 8326000006 1024 Ch            Encryption 8323000003 Multi Key DES-OFB            Encryption 8323000005 ARC4 (ADP Compatible)            Prog and Data Conventional Voting Scan            Prog and Data TrueVoice Noise Cancellation            Prog and Data 8326000039 WiFi            Prog and Data 8326000025 Bluetooth            Prog and Data 8326000033 Bluetooth Low Energy            Prog and Data 8326000015 25KHz Disabled            Prog and Data 8326000028 Instant Recording Replay            Prog and Data 8326000029 Voice Recording (included)            Prog and Data VL-8001 Factory Activation of Radio Option Licenses            Other 3 Year Warranty            Other END-OF-CONFIG-FLAG *** End of Radio Configuration ***</p>		
73	KSC-52BK CHARGER, SINGLE BAY RAPID RATE, B-POCKET, VP-T		
	PROGRAMMING AND SETUP OF RADIOS		
	SubTotal		\$330,471.00
	Kenwood Viking VP6430 Single Band 700/800 High Vis Green Radio		

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COMMUNICATION AND SECURITY SOLUTIONS

363	VP6430GRF2 KENWOOD 700/800 MHZ, MODEL 2, P25 CONVENTIONAL/TRUNKING, DES-OFB INCLUDED, (HIGH VIS) Configuration VP6430GRF2 VP6430, 7/800 MHz, M2, GR Frequency 7/800 MHz Series VP6430 Model Standard Keypad (M2) Housing Hi Visibility (Green) Model Options Immersion Model Options Micro SD memory card (installed) Packing 835VP6000PK001 VP6000 PACKINGKIT Antenna KRA-32K 7/800 MHz 1/2 Wave (Whip) Battery KNB-L2M Li-ion 2600mAh (L2 Standard) Speaker Microphone KMC-70GR KMC-70GR Speaker Mic (Hi-Viz) Protocol Analog FM Protocol P25 CAI AMBE+2 System Analog Conventional System 8322000002 P25 Conventional System 8322000005 P25 Phase 1 Trunking System 8322000006 P25 Phase 2 TDMA Channels 8326000006 1024 Ch Encryption 8323000003 Multi Key DES-OFB Encryption 8323000005 ARC4 (ADP Compatible) Prog and Data Conventional Voting Scan Prog and Data TrueVoice Noise Cancellation Prog and Data 8326000028 Instant Recording Replay Prog and Data 8326000029 Voice Recording (included) Other 3 Year Warranty Other END-OF-CONFIG-FLAG *** End of Radio Configuration ***		
363	KSC-52BK CHARGER, SINGLE BAY RAPID RATE, B-POCKET, VP-T		
	PROGRAMMING AND SETUP OF RADIOS		
	SubTotal		\$1,303,329.72
	Kenwood Viking VM7000 Single BandMobile Radio (Dual Band Upgradeable)		

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COMMUNICATION AND SECURITY SOLUTIONS

61	<p>VM7000 KENWOOD MOBILE RADIO, MULTI BAND CAPABLE            Primary Band 1 VM7930BF-P 7/800 MHz            Secondary Band 2 No Band 2            Secondary Band 3 No Band 3            Secondary Band 4 No Band 4            Control Head KCH-20RV KCH-20 Single Remote            Remote Cable 1 KCT-71M3 25 ft            Remote Cable 2 N/A            Microphone KMC-65M KMC-65M Standard Mic            Basic Accessories KCT-23M3 Standard Deck DC Cable            Basic Accessories KMB-33M Standard Deck Mounting Bracket            Basic Accessories KRK-17BF Remote Kit            Other Accessories 597539077901 USB Micro B Extension Cable            Other Accessories KCT-46 Ignition Sense Cable            Other Accessories Connect external speaker to KCH-20            Other Accessories KES-5A KES-5 speaker for KCH-20            Other Accessories KCT-72M KCH-20 connection cable            Protocol Analog FM            Protocol P25 CAI AMBE+2            System Analog Conventional            System 8322000002 P25 Conventional            System 8322000005 P25 Phase 1 Trunking            System 8322000006 P25 Phase 2 TDMA            Channels 8326000006 1024 Ch            Encryption 8323000003 Multi Key DES-OFB            Encryption 8323000005 ARC4 (ADP Compatible)            Prog and Data Conventional Voting Scan            Prog and Data TrueVoice Noise Cancellation            Prog and Data 8326000015 25KHz Disabled            Prog and Data 8326000028 Instant Recording Replay            Prog and Data 8326000029 Voice Recording (included)            Other 3 Year Warranty            Other END-OF-CONFIG-FLAG *** End of Radio Configuration ***</p>		
61	EM-M11003 ROOF MOUNT ANTENNA, 3dB GAIN, 764-869 MHZ		
122	LAR-NMOKHFUD 17' LARSEN COAX WITH AN NMO MOUNT		
61	RFN-1005-3C 7/800 MHz N(M) CRIMP CONNECTOR FOR RG-58 AND LMR-195		
	PROGRAMMING AND SETUP OF RADIOS		
	SubTotal		\$258,155.66
	Kenwood Viking VM7000 Dual Band Mobile Radio		

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COMMUNICATION AND SECURITY SOLUTIONS

21	<p>VM7000 KENWOOD MOBILE RADIO, MULTI BAND CAPABLE            Primary Band 1 VM7930BF-P 7/800 MHz            Secondary Band 2 VM7730BF-S VHF            Secondary Band 3 No Band 3            Secondary Band 4 No Band 4            Control Head KCH-20RV KCH-20 Single Remote            Remote Cable 1 KCT-71M3 25 ft            Remote Cable 2 N/A            Microphone KMC-65M KMC-65M Standard Mic            Basic Accessories KCT-23M3 Standard Deck DC Cable (Qty 2)            Basic Accessories KMB-33M Standard Deck Mounting Bracket (Qty 2)            Basic Accessories KCT-71M4 Control Cable            Basic Accessories KRK-17BF Remote Kit (Qty 2)            Other Accessories 597539077901 USB Micro B Extension Cable (Qty 2)            Other Accessories KCT-46 Ignition Sense Cables (Qty 2)            Other Accessories Connect external speakers to radio            Other Accessories KES-5A KES-5 high power speaker (Qty 2)            Other Accessories KAP-2 KAP-2 HA/PA Relay (Qty 2)            Protocol Analog FM            Protocol P25 CAI AMBE+2            System Analog Conventional            System 8322000002 P25 Conventional            System 8322000005 P25 Phase 1 Trunking            System 8322000006 P25 Phase 2 TDMA            Channels 8326000006 1024 Ch            Encryption 8323000003 Multi Key DES-OFB            Encryption 8323000005 ARC4 (ADP Compatible)            Prog and Data Conventional Voting Scan            Prog and Data TrueVoice Noise Cancellation            Prog and Data 8326000015 25KHz Disabled            Prog and Data 8326000028 Instant Recording Replay            Prog and Data 8326000029 Voice Recording (included)            Other 3 Year Warranty            Other END-OF-CONFIG-FLAG *** End of Radio Configuration ***</p>		
21	EM-MX0152 "X"-NUT QUARTER WAVE VHF ANTENNA		
21	EM-M11003 ROOF MOUNT ANTENNA, 3dB GAIN, 764-869 MHZ		
42	LAR-NMOKHFUD 17' LARSEN COAX WITH AN NMO MOUNT		
21	RFI-RFU-505-ST UHF(M) PL259 CRIMP CONNECTOR RG58, RG142		
21	RFN-1005-3C 7/800 MHz N(M) CRIMP CONNECTOR FOR RG-58 AND LMR-195		
	PROGRAMMING AND SETUP OF RADIOS		
	SubTotal		\$117,663.42
	Kenwood Viking VM5930 with Pyramid SVR-350 DVRS		

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COMMUNICATION AND SECURITY SOLUTIONS

2	VM5930 7/800 MHz, EF JOHNSON MOBILE RADIO WITH A 3 YEAR WARRANTY Radio Type VM5930BF VM5000, 7/800 MHz Frequency 7/800 7/800 MHz Configuration Mobile Control Head KCH-19VM KCH-19 Dash Remote Cable 1 N/A Remote Cable 2 N/A Microphone KMC-65M KMC-65M Standard Mic Basic Accessories KCT-23M DC Cable - 10 ft Basic Accessories KMB-33M Standard Deck Mounting Bracket Protocol Analog FM Protocol P25 CAI AMBE+2 System Analog Conventional System 8322000002 P25 Conventional System 8322000005 P25 Phase 1 Trunking System 8322000006 P25 Phase 2 TDMA Channels 8326000006 1024 Ch Encryption 8323000003 Multi Key DES-OFB Encryption 8323000005 ARC4 (ADP Compatible) Prog and Data Conventional Voting Scan Prog and Data TrueVoice Noise Cancellation Prog and Data 8326000028 Instant Recording Replay Prog and Data 8326000029 Voice Recording (included) Other 3 Year Warranty Other END-OF-CONFIG-FLAG *** End of Radio Configuration ***		
2	SVR-350M GUARDIAN ANALOG VEHICULAR REPEATER 700 / 800 MHZ 12.5 KHZ		
2	9300-10-0020 P25 MODE - OPTION SFK FOR SVR-350 GUARDIAN		
2	7502-10-1245 PYRAMID INTERFACE		
2	SEC-1223 24 AMP, 13.8 VOLTS, SWITCHING POWER SUPPLY		
2	BPF-8604 PRE-SELECTOR 860 MHz, FACTORY TUNED		
4	TCK-203 3' TNC CABLE KIT FOR USE WITH BPF/BRF FILTERS		
2	SVR-TFC-DC SVR TACTICAL FIELD CASE. INCLUDES SKB 19" CASE AND MOUNTING H/W FOR RADIO/SVR & DC CABLES		
	PROGRAMMING AND SETUP OF DVRS		
	SubTotal		\$21,958.40
***Price Does Not Include Installation of Mobile Radios***			

<b>SUBTOTAL</b>	\$2,031,578.20
<b>SALES TAX</b>	\$0.00

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COMMUNICATION AND SECURITY SOLUTIONS

<b>TOTAL</b>	\$2,031,578.20
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To accept this quotation please sign, date and return: \_\_\_\_\_

**PROPRIETARY & CONFIDENTIAL**

*The data contained in this proposal is considered proprietary and confidential and is not to be disclosed to any unauthorized agencies without the written permission of Nielson Communications, Inc.. No duplication of the whole or any part is permissible except for the purpose of evaluating this proposal.*

*Prices are good for 30 days from date of quote. Shipping costs may vary from actual quoted estimate. Actual shipping and handling costs will be invoiced.*

**Thank You For Your Business!**

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**One Time Funds and New State Revenue for Winnebago County Governments**

<u>Municipality</u>	<u>ARPA SLRF</u>	<u>New Shared</u>		<u>Total</u>
		<u>Revenue</u>	<u>Spirit Fund</u>	
Town of Algoma	\$ 754,137	182,822	145,000	\$ 1,081,959
Town of Black Wolf	\$ 258,950	70,810	145,000	\$ 474,760
Town of Clayton	\$ 102,680	103,356	145,000	\$ 351,036
Town of Neenah	\$ 369,166	92,081	145,000	\$ 606,247
Town of Nekimi	\$ 441,701	52,410	145,000	\$ 639,111
Town of Nepeuskun	\$ 76,722	42,167	145,000	\$ 263,889
Town of Omro	\$ 240,738	69,553	145,000	\$ 455,291
Town of Oshkosh	\$ 258,636	71,112	145,000	\$ 474,748
Town of Poygan	\$ 141,721	51,621	145,000	\$ 338,342
Town of Rushford	\$ 170,714	57,780	145,000	\$ 373,494
Town of Utica	\$ 140,675	52,846	145,000	\$ 338,521
Town of Vinland	\$ 187,880	59,776	145,000	\$ 392,656
Town of Winchester	\$ 191,753	60,162	145,000	\$ 396,915
Town of Winneconne	\$ 264,183	74,095	145,000	\$ 483,278
Town of Wolf River	\$ 126,649	50,362	145,000	\$ 322,011
Village of Fox Crossing	\$ 1,989,959	453,106	145,000	\$ 2,588,065
Village of Winneconne	\$ 259,997	72,671	145,000	\$ 477,668
City of Menasha	\$ 1,870,741	816,754	145,000	\$ 2,832,495
City of Neenah	\$ 5,549,573	645,028	145,000	\$ 6,339,601
City Omro	\$ 375,027	152,544	145,000	\$ 672,571
City of Oshkosh	\$ 20,514,484	1,921,923	145,000	\$ 22,581,407
<b>Total Countywide</b>	<b>\$ 34,286,086</b>	<b>\$ 5,152,979</b>	<b>\$ 3,045,000</b>	<b>\$ 42,484,065</b>
<i>Winnebago County</i>	<i>\$ 33,390,919</i>	<i>\$ 1,779,421</i>	<i>\$ (3,045,000)</i>	<i>\$ 32,125,340</i>

**ARPA SLRF:** *Is the American Rescue Plan Act State and Local Recovery Funds allocation*

**New Shared Revenue:** *Is the new state revenue local governments will receive each year*

**Spirit Fund:** *Is the amount of allocation received funded from the Spirit Fund*



President-Groth, V.P.-  
Gawaresky, Sec.Tres-Kloehn



Pres. Harbison, V.P. -  
Reickman, Sec. Gawaresky

**Winnebago County ARPA Commission**

**September 22, 2023**

Attn: Supervisors Thomas Egan (Chair), Thomas Borchart, Morris Cox, Chuck Farrey, and Bob Poeschl.

Ref: Winnebago County Fire Chiefs Communications Needs

Sirs,

The WCFCA is requesting funding to replace our mobile, portable, and DVRS radios in the county. Our radios are the most important tool for firefighter safety. They are at the end of life and without your support, the municipalities will have to pass along the cost to the taxpayers or worse, not replace them. The allocation of ARPA funds for radio replacement would greatly help to alleviate the impact to almost all of the departments and citizens in the county. This cost is considered our highest priority and will continue interoperability between fire/law partnerships, which enable us to provide effective public safety to all residents and visitors in all of the communities in the county.

The amount below is an updated total of what it will cost to provide radios to the 14 fire departments who need them. This cost includes portable radios, chargers, batteries, mobile truck radios, and select DVRS repeaters. This number is to replace existing radios, not to add radios. Thank you in advance for your support of our request.

**Total Project Cost:** \$3,265,900

**Cost Includes:** Portable radios, chargers, batteries, mobile radios, select DVRS repeaters

**Expected Project Start Date:** Winter of 2023-2024

WCFCA- President  
Chief Steve Gawaresky

## Gregor, Cassie

---

**From:** Egan, Tom  
**Sent:** Wednesday, September 27, 2023 11:52 AM  
**To:** Gregor, Cassie  
**Subject:** Fwd: Updated Winnebago County Radio Spirit Fund Request  
**Attachments:** image001.jpg; WCFCA letter to ARPA commision 9-25-23.pdf

Sent from my iPad

Begin forwarded message:

**From:** "Sweeney, Todd" <TSweeney@foxcrossingwi.gov>  
**Date:** September 25, 2023 at 2:33:01 PM CDT  
**To:** "Egan, Tom" <Tom.Egan@winnebagoountywi.gov>  
**Cc:** Town of Oshkosh Fire Chief <firechief@town.oshkosh.wi.gov>  
**Subject:** Updated Winnebago County Radio Spirit Fund Request

Hello Tom, attached is the updated Spirit Fund Request from the Winnebago County Fire Chief's Association (WCFCA). As you requested, I contacted all departments in the county and compiled a list of radios that each department needed. Then I got a quote from our radio contact for them. I am also sending this letter as well as the quote from our radio vendor to Adam BellCorelli as requested. I appreciate your understanding with the confusion that may have happened as I took over for Chief Brian Harbison. Again, I thank you for your consideration toward this important request. Please give me a call if you have any questions. Have a great day!

## Todd Sweeney Fire Chief

Fox Crossing Fire Department  
1326 Cold Spring Road, Neenah WI 54956  
Office: 920-720-7125 Cell: 920-422-1354  
[tsweeney@foxcrossingwi.gov](mailto:tsweeney@foxcrossingwi.gov)



**From:** "Sweeney, Todd" <TSweeney@foxcrossingwi.gov>  
**Date:** September 26, 2023 at 1:04:02 PM CDT  
**To:** "Egan, Tom" <Tom.Egan@winnebagoountywi.gov>  
**Subject:** RE: Updated Winnebago County Radio Spirit Fund Request

Hello Tom, attached is a spreadsheet I kept with what each department gave me. We used BayCom as our vendor (I believe most in the county do, not all but most). This is the same vendor and even the same sales person who sold the county the radios that this fund paid for recently. Below is our costs per radio for mobile and portable (single and dual band). This is the same price that the county paid for theirs. Again, thanks for your support!

Portable single band: \$5,800.78  
Portable dual band: \$8,299.72

Mobile single band: \$5,999.20  
Mobile dual band: \$6,899.70

**From:** Egan, Tom <Tom.Egan@winnebagoountywi.gov>  
**Sent:** Monday, September 25, 2023 7:41 PM  
**To:** Sweeney, Todd <TSweeney@foxcrossingwi.gov>  
**Subject:** Re: Updated Winnebago County Radio Spirit Fund Request

How many radios and how much per radio. Who is your radio vendor. Radios per station.

Sent from my iPad

On Sep 25, 2023, at 2:33 PM, Sweeney, Todd <[TSweeney@foxcrossingwi.gov](mailto:TSweeney@foxcrossingwi.gov)> wrote:

Hello Tom, attached is the updated Spirit Fund Request from the Winnebago County Fire Chief's Association (WCFCA). As you requested, I contacted all departments in the county and compiled a list of radios that each department needed. Then I got a quote from our radio contact for

them. I am also sending this letter as well as the quote from our radio vendor to Adam BellCorelli as requested. I appreciate your understanding with the confusion that may have happened as I took over for Chief Brian Harbison. Again, I thank you for your consideration toward this important request. Please give me a call if you have any questions. Have a great day!

**Todd Sweeney**

**Fire Chief**

Fox Crossing Fire Department  
1326 Cold Spring Road, Neenah WI 54956  
Office: 920-720-7125 Cell: 920-422-1354  
[tsweeney@foxcrossingwi.gov](mailto:tsweeney@foxcrossingwi.gov)

<image001.jpg>

<b>Department</b>	<b>Portables</b>	<b>Mobiles</b>	<b>DVRS</b>
Town of Neenah	27	5	
Fox Crossing	42	12	
Town of Oshkosh	27	5	
Neenah-Menasha	52	8	
Utica	32	7	
Oshkosh	6		1
VanDyne	17	6	
Boom Bay	25		
Vinland	33	6	
Algoma	35	7	
Clayton	43	7	
Nekimi	20	6	
Omro/Rushford	53	9	1
Winchester	24	4	

Winnebago County Fire Districts – Spirit Fund Request for Radio Equipment

	portable – 363 units	mobile – 61 units	Alt mobile – 21 units	dvrs - 2 units	
Unit Price	2624.35	2469.68	4302.39	22442	
	4.38	4.38	4.38	1053	
	240.9	963.6	76.65	85	
	642.4	238.71	1204.5	166	
	184	288	288	111	
	963.6	381.79	48.18	222	
	20.44	10.95	238.71	222	
	413.91	413.91	413.91		
	136.15	523.41	523.41		
	485.65	8.03	57.67		
	85	57.67	240.9		
		264.99	85		
		240.9			
		48.18			
		85			
Radios/DVRS only (no accessories)					Radios/DVRS only Total
	\$ 952,639.05	\$ 150,650.48	\$ 90,350.19	\$ 44,884.00	\$ 1,238,523.72
Cost per unit with max accessories					
	\$ 5,800.78	\$ 5,999.20	\$ 7,483.70	\$ 24,301.00	

<b>Department</b>	<b>Portables</b>	<b>Mobiles</b>	<b>DVRS</b>	<b>Approx \$</b>	<b>Approx \$ (Alt Mobiles)</b>
<b>Town of Neenah</b>	<b>27</b>	<b>5</b>		<b>\$ 186,600.00</b>	<b>\$ 194,018.00</b>
<b>Fox Crossing</b>	<b>42</b>	<b>12</b>		<b>\$ 315,600.00</b>	<b>\$ 333,404.00</b>
<b>Town of Oshkosh</b>	<b>27</b>	<b>5</b>		<b>\$ 186,600.00</b>	<b>\$ 194,018.00</b>
<b>Neenah-Menasha</b>	<b>52</b>	<b>8</b>		<b>\$ 349,600.00</b>	<b>\$ 361,469.00</b>
<b>Utica</b>	<b>32</b>	<b>7</b>		<b>\$ 227,600.00</b>	<b>\$ 237,986.00</b>
<b>Oshkosh</b>	<b>6</b>		<b>1</b>	<b>\$ 59,101.00</b>	<b>\$ 34,800.00</b>
<b>VanDyne</b>	<b>17</b>	<b>6</b>		<b>\$ 134,600.00</b>	<b>\$ 143,502.00</b>
<b>Boom Bay</b>	<b>25</b>			<b>\$ 145,000.00</b>	<b>\$ 145,000.00</b>
<b>Vinland</b>	<b>33</b>	<b>6</b>		<b>\$ 227,400.00</b>	<b>\$ 236,302.00</b>
<b>Algoma</b>	<b>35</b>	<b>7</b>		<b>\$ 245,000.00</b>	<b>\$ 255,386.00</b>
<b>Clayton</b>	<b>43</b>	<b>7</b>		<b>\$ 291,400.00</b>	<b>\$ 301,786.00</b>
<b>Nekimi</b>	<b>20</b>	<b>6</b>		<b>\$ 152,000.00</b>	<b>\$ 160,902.00</b>
<b>Omro/Rushford</b>	<b>53</b>	<b>9</b>	<b>1</b>	<b>\$ 385,701.00</b>	<b>\$ 374,753.00</b>
<b>Winchester</b>	<b>24</b>	<b>4</b>		<b>\$ 163,200.00</b>	<b>\$ 169,135.00</b>
<b>Winneconne-Poygan Fire District</b>	<b>0</b>	<b>0</b>			<b>\$ -</b>

## Each Community's ARPA Allocation

70002 WINNEBAGO	TOWN OF ALGOMA 7,205	\$754,136.94
70004 WINNEBAGO	TOWN OF BLACK WOLF 2,474	\$258,950.00
70006 WINNEBAGO	TOWN OF CLAYTON 4,220	\$441,701.30
70010 WINNEBAGO	TOWN OF NEENAH 3,527	\$369,165.99
70012 WINNEBAGO	TOWN OF NEKIMI 1,554	\$162,654.93
70014 WINNEBAGO	TOWN OF NEPEUSKUN 733	\$76,722.05
70016 WINNEBAGO	TOWN OF OMRO 2,300	\$240,737.68
70018 WINNEBAGO	TOWN OF OSHKOSH 2,471	\$258,636.00
70020 WINNEBAGO	TOWN OF POYGAN 1,354	\$141,721.22
70022 WINNEBAGO	TOWN OF RUSHFORD 1,631	\$170,714.41
70024 WINNEBAGO	TOWN OF UTICA 1,344	\$140,674.54
70026 WINNEBAGO	TOWN OF VINLAND 1,795	\$187,880.06
70028 WINNEBAGO	TOWN OF WINCHESTER 1,832	\$191,752.79
70030 WINNEBAGO	TOWN OF WINNECONNE 2,524	\$264,183.43
70032 WINNEBAGO	TOWN OF WOLF RIVER 1,210	\$126,648.95
70121 WINNEBAGO	VILLAGE OF FOX CROSSING 19,012	\$1,989,958.56
70191 WINNEBAGO	VILLAGE OF WINNECONNE 2,484	\$259,996.69
70251 WINNEBAGO	CITY OF MENASHA 17,873	\$1,870,741.08
70265 WINNEBAGO	CITY OF OMRO 3,583	\$375,027.43
WINNEBAGO	CITY OF NEENAH	\$5,549,573.00
WINNEBAGO	CITY OF OSHKOSH	\$20,514,484.00

## CORRECTED VERSION 10.19.2023

Last Modified Date	District	County Code	County Name	Fire Dept ID	Fire Dept Name	Fire Dept Pay Status	Station Address	City	Zip/Postal Code	Fire Station Phone Number	Fire Chief
2/2/2022	3	70	Winnebago	FD70090	ALGOMA TWP VOL FIRE DEPT	2 - Combination- A combination of full-time, paid-on-call or volunteer members	2622 OMRO RD,OSHKOSH,WI	OSHKOSH	54904	(920) 233-5905	SCOTT GROTH
3/31/2022	3	70	Winnebago	FD70160	BOOMBAY VOL FIRE DEPT	3 - Volunteer- Predominately volunteer members	8982 SOUTH RD,FREMONT,WI	FREMONT	54940	(920) 836-1877	DAVE PLATTA
3/22/2022	3	70	Winnebago	FD70100	CLAYTON FIRE RESCUE	2 - Combination- A combination of full-time, paid-on-call or volunteer members	8348 CTY RD T,LARSEN,WI	LARSEN	54947	(920) 836-2170	SCOTT RIECKMANN
1/3/2023	3	70	Winnebago	FD70020	FOX CROSSING FIRE DEPARTMENT	2 - Combination- A combination of full-time, paid-on-call or volunteer members	1326 COLD SPRING RD,NEENAH,WI	NEENAH	54956-1108	(920) 720-7125	BRIAN HARBISON
1/3/2023	3	70	Winnebago	FD70010	NEENAH-MENASHA FIRE RESCUE	1 - Career- 100% of members are full time paid positions	125 E COLUMBIAN AVE,NEENAH,WI	NEENAH	54956-3013	(920) 886-6200	KEVIN KLOEHN
2/12/2023	3	70	Winnebago	FD70110	NEENAH TWP VOL FIRE DEPT	3 - Volunteer- Predominately volunteer members	1600 BREEZWOOD LN,NEENAH,WI	NEENAH	54956-3603	(920) 725-0916	DAN OSERO
1/31/2023	3	70	Winnebago	FD70060	NEKIMI VOL FIRE DEPT	3 - Volunteer- Predominately volunteer members	3790 PICKETT RD,OSHKOSH,WI	OSHKOSH	54904	(920) 235-0615	Matt Potratz
1/30/2023	3	70	Winnebago	FD70080	OMRO RUSHFORD JOINT FIRE DEPT	3 - Volunteer- Predominately volunteer members	502 W HURON ST,OMRO,WI	OMRO	54963	(920) 685-5136	JAY TRELEVEN
1/10/2023	3	70	Winnebago	FD70030	OSHKOSH FIRE DEPT	1 - Career- 100% of members are full time paid positions	101 COURT ST,OSHKOSH,WI	OSHKOSH	54901-5212	(920) 236-5240	MIKE STANLEY
1/31/2023	3	70	Winnebago	FD70050	OSHKOSH TN VOL FIRE DEPT	3 - Volunteer- Predominately volunteer members	230 E CTY TRK Y,OSHKOSH,WI	OSHKOSH	54901	(920) 231-7933	Steven Andrew Gawarensky
1/10/2022	3	70	Winnebago	FD70170	TOWN OF WINCHESTER FIRE DEPT	3 - Volunteer- Predominately volunteer members	8522 PARK WAY, LARSEN	LARSEN	54947	(920) 836-2948	Glen Dean Mathison
8/25/2022	3	70	Winnebago	FD70070	UTICA VOL FIRE DEPT	3 - Volunteer- Predominately volunteer members	1730 CTY RD FF,PICKETT,WI	PICKETT	54964	(920) 589-4115	TIM OLIVER
2/24/2022	3	70	Winnebago	FD70140	VINLAND VOL FIRE DEPT	3 - Volunteer- Predominately volunteer members	6085 COUNTY RD T,OSHKOSH,WI	OSHKOSH	54904	(920) 230-6607	CHRIS ANDERSON
1/4/2022	3	70	Winnebago	FD70120	WINNECONNE POYGAN FIRE DISTRICT	3 - Volunteer- Predominately volunteer members	550 W MAIN ST,WINNECONNE,WI	WINNECONN E	54986	(920) 582-4711	RYAN KRINGS

Email	Lead Inspector	Lead Inspector Email	Education Officer	Education Officer Email	NFIRS Contact	NFIRS Contact Email
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App. #		Organization	Project	Stage	Cost of project	Requested amount	Minimum amount	Maximum amount	Commission recommendation
4		Greater Fox Cities Area Habitat for Humanity	Low-income housing	Reasearch	\$ 2,370,238	\$ 500,000		\$ 500,000	
6		Nova Counseling	Property expansion/ AODA	Research	\$ 1,900,776	\$ 500,000		\$ 500,000	
7	<b>Draft Resolution</b>	Omro Community Center	Property acquisition/ community and aging focused	In process of implementing	\$ 485,500	\$ 250,000	\$ 250,000	\$ 250,000	Draft Resolution for 10/17 meeting
8		Solutions Recovery	Property acquisition/AODA recovery	In process of implementing	\$ 1,100,000	\$ 500,000		\$ 500,000	
9		Oshkosh YMCA	Property expansion/ Childcare	Research - Campaign launch in 2024, ground breaking in 2025, completion by end of 2026	\$ 3,832,438	\$ 500,000		\$ 500,000	
11		OshkoshBoys & Girls Club	Property expansion/ youth focused	In process of implementing	\$ 18,000,000	\$ 750,000		\$ 750,000	
14		Damascus Road Project Inc.	Property acquisition/ Human Trafficking	Research, location has been identified	\$ 1,000,000	\$ 500,000		\$ 500,000	
36	<i>see note:</i>	Neenah Animal Shelter	Property expansion/ Animal protection	Within 12 mo. of completion	\$ 2,500,000	\$ 500,000		\$ 50,000	Jon: what Co. Dept would support funding?
38		Fox Valley Data Exchange (DEX)	Technology, Data collection	In process of implementing	\$ 1,050,000	\$ 300,000		\$ 300,000	
55		Christine Ann Domestic Abuse Services, Inc	Property acquisition/ transitional housing	In process of implementing	\$ 6,300,000	\$ 750,000		\$ 750,000	
65	<i>Reno for Leased Property</i>	People of Progression Inc	Property acquisition/ Serving black/brown community	Ready to implement	\$ 60,000	\$ 50,000		\$ 50,000	
5		NEW Mental Health Connection	Updates to technology and website content updates?	Ready to implement	\$ 180,000	\$ 90,000		\$ 90,000	
29		First 5 Fox Valley, Inc	Programming	In the process of implementing	\$ 450,000	\$ 300,000		\$ 300,000	
33		St. Vincent de Paul Neenah/Menasha	Renovation of new building (?)	In the process of implementing	\$ 970,196	\$ 970,196		\$ 970,196	
35	<i>no, moved to Govt Proj.</i>	Oshkosh Pickleball Club on behalf of Winnebago County-	Renovation/ Community focused- (Would need OK from Parks Dept)	Research phase	<del>\$ 500,000</del>	<del>\$ 500,000</del>	\$ -	\$ -	
40		Tri-County Community Dental Clinic, Inc.	Hardware upgrades	Ready to implement	\$ 807,250	\$ 403,625		\$ 403,625	
51		Jericho Road Ministries	Renovation and maintenance of existing building/ Food insecurity	In the process of implementing	\$ 234,000	\$ 20,000		\$ 20,000	
56		YMCA of the Fox Cities	Property Expansion or Programming?	Research phase	\$ 30,000,000	\$ 500,000		\$ 500,000	
72		Bletzingerhouse	Property renovation/ ADRC population	Ready to implement	\$ 15,000	\$ 10,000		\$ 10,000	
10	<b>Decline</b>	Community Clothes Closet	Programming/Clothing	ready to impliment	<del>\$ 145,130</del>	<del>\$ 70,000</del>	\$ -	\$ -	
12	<b>Decline</b>	OshkoshBoys & Girls Club	Club Expansion (quazi-building & programming)-	In process of implementing	<del>1.8 Million-</del>	<del>\$ 750,000.00</del>	\$ -	\$ -	
13		Child Care Resource and Referral	Childcare	Ready to implement	\$ 915,000	\$ 450,000		\$ 450,000	



App. #		Organization	Project	Stage	Cost of project	Requested amount	Minimum amount	Maximum amount	Commission recommendation
34	Decline	Family Services of Northeast Wisconsin-Parent Connection	Programming/ working with ACES-families	Ready to implement	<del>25 families:- \$55,550/year, for 3- years: \$166,650</del>	<del>\$ 166,650</del>	\$ -	\$ -	
37	Decline	Sawdust Lofts 915 LLC	Increasing housing stock in vacant building: 25 live-work, loft-style apartments	In-process of implementing	<del>\$6 Million</del>	<del>\$ 1,000,000</del>	\$ -	\$ -	
58		Pillars, Inc.	Maintenance/ homelessness	Within 12 mo. of completion	\$ 215,405	\$ 50,000		\$ 50,000	
59	Decline	Mooring Programs Inc. DBA-Apricity	Programming/maintenance and-updates: AODA	Research phase	<del>\$ 251,000</del>	<del>\$ 125,000</del>	\$ -	\$ -	
48	1	<b>Menasha:</b>	mobile traffic barriers as well as transport equipment to bring them from storage to the community event taking place	Research phase	\$ 184,957	\$ 184,957	\$ 184,957	\$ 184,957	
46	2	<b>Menasha:</b>	Waive tax debt to allow the City/RDA to acquireWhiting Site for redevelopment to get property back on the tax roll	Exploration	\$ 1,200,000	\$ 1,200,000	\$ -	\$ -	
47	3	<b>Menasha:</b>	Cost to move Winnebago County Housing Authority Office to new location - (Moving the Office); Water Street Plan \$4M	In the process of implementing	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	
76	4	**	Fencing for Police vehicles		\$ 50,000	\$ 50,000	\$ -	\$ -	
73	5	**	Sidewalk on Appleton Rd		\$ 1,250,000	\$ 1,250,000	\$ -	\$ -	
77	6	**	ballistic resistant glass at Police Dept. (interior and exterior)		\$ 95,000	\$ 95,000	\$ -	\$ -	
78	7	**	Recycling truck		\$ 300,000	\$ 300,000	\$ -	\$ -	
41		<b>Menasha:</b>	Historic Facade Renovation Program	Within 12 mo. of completion	<del>\$ 400,000</del>	<del>\$ 400,000</del>		\$ -	200-400K, recinded by Mayor
42		<b>Menasha:</b>	Second Floor Residential-Development	Research phase	<del>\$ 400,000</del>	<del>\$ 400,000</del>		\$ -	100-400K, Recinded by Mayor
44		<b>Menasha:</b>	housing initiative to assist in the-revitalization of affordable housing- (\$300,000 is needed annually)	In the process of implementing	<del>\$ 300,000</del>	<del>\$ 500,000</del>			not in priority list
45		<b>Menasha:</b>	TIF funding for Nicolet School	In the process of implementing	<del>\$ 3,500,000</del>	<del>\$ 400,000</del>			not in priority list
75		**	Police Radios for squad cars		<del>\$ 150,000</del>	<del>\$ 150,000</del>		\$ -	Recinded by Mayor
43		<b>Town of Algoma:</b>	the South leg of a 2-lane roundabout at Leonard Point Road and STH 21	In the process of implementing	\$ 6,300,000.00	\$ 387,500	\$ 387,500	\$ 387,500	
20	\$145,000	<b>Omro</b>	Tyler / Jackson Reconstruction Project		\$ 230,000.00	\$ 230,000	\$ 85,000	\$ -	using \$145K to fund?
17	1	<b>Omro</b>	new storage facility for the public works department	Ready to implement	\$ 400,000.00	\$ 400,000	\$ -	\$ -	
21	2	<b>Omro</b>	Hwy 21 rural urbanization: sidewalks and transportation access	Research phase	\$ 965,000.00	\$ 965,000	\$ -	\$ -	

App. #		Organization	Project	Stage	Cost of project	Requested amount	Minimum amount	Maximum amount	Commission recommendation
16	3	Omro	old, dilapidated water and sewer utility crossing under the Fox River	Research phase	\$ 700,000.00	\$ 500,000	\$ 350,000	\$ 500,000	
24	4	Omro	Hire MSA Engineering to conduct a drainage plan	In the process of implementing	\$ 25,000.00	\$ 12,500	\$ 12,500	\$ 12,500	
22	5	Omro	Water, Sewer, Storm Sewer, Sidewalks, Curb and Gutter replacement for Monore Ane and Superior St.	Research phase	\$ 1,100,000.00	\$ 500,000	\$ -	\$ -	
23	6	Omro	Compete water, sewer, storm sewer, street and sidewalks as well as curb and gutter street reconstruction project.	Within 12 mo. of completion	\$ 2,500,000.00	\$ 1,500,000	\$ -	\$ -	
19	7	Omro	Reconstruction of Clemans Court.	In the process of implementing	\$ 225,000.00	\$ 225,000	\$ -	\$ -	
26	8-Co. Park plan?	Omro	Construction and operation of a dog park in Fox and Hounds Park.	Exploration or concept	\$ 50,000.00	\$ 25,000	\$ -	\$ -	
18	Duplicate request	Omro	new-steel-shed for the housing-of cold-storage for the Public Works-Department		<del>\$ 500,000.00</del>	<del>\$ 300,000</del>	\$ -	\$ -	Duplicate ask
27	1	Neenah:	vehicle barrier system	Ready to implement	\$ 600,000	\$ 300,000	\$ 300,000	\$ 300,000	
28	2	Neenah:	replace two of the three Water mains serving Doty Island	Ready to implement	\$ 500,000	\$ 250,000	\$ -	\$ -	
25		(Future Neenah)	Gateway Park improvements (ADA tables, art, shade, safe crossings, lighting)	Research phase	\$ 30,000	\$ 20,000	\$ -	\$ -	
61	1	Oshkosh:	Commonwealth Development is proposing to develop a 55-unit low-income mixed-use development on property that the City of Oshkosh Redevelopment Authority currently owns.	Ready to implement	\$ 19,291,481	\$ 750,000	\$ -	\$ 750,000	Part of Housing initiative - Refer to Lu Scheer
62	2	Oshkosh:	Affordable workforce housing	Exploration or concept	\$ 1,595,000	\$ 995,000	\$ -	\$ 995,000	Part of Housing initiative - Refer to Lu Scheer
15		Oshkosh Housing Authority	Homelessness project: constructing 32 one and two bedroom apartments	Research phase	\$ 6,500,000	\$ 500,000	\$ -	\$ 500,000	Part of Housing initiative - Refer to Lu Scheer
32	1	Winneconne:	playground equipment improvements	Exploration or concept	\$ 500,000	\$ 500,000	\$ -	\$ -	
67	2	Winneconne:	replace and enhance current basketball court	Research phase	\$ 125,000	\$ 125,000	\$ -	\$ -	
66	3	Winneconne:	Remodel of Barn in the Lake Winneconne Park	Ready to implement	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	
49	4	Winneconne:	Repair Seal coat and repaint the parking lines on the first Street boat launch	Ready to implement	\$ 35,000	\$ 35,000	\$ -	\$ -	

App. #		Organization	Project	Stage	Cost of project	Requested amount	Minimum amount	Maximum amount	Commission recommendation
39	5	Winneconne:	Remodel the West shelter in lake Winneconne Park	Exploration or concept	\$ 100,000	\$ 100,000	\$ -	\$ -	
31	6	Winneconne:	improvement and addition of boat docks/piers, fish cleaning station, larger bulk heads, extended parking and facility upgrades to winneconne park *See Breakout:	In the process of implementing		\$ 165,000	\$ 165,000	\$ 165,000	
			<i>Boat Trailer parking</i>		\$ 396,000				
			<i>Additional Car Parking</i>		\$ 59,000				
			<i>Invasive species wash station</i>		\$ 15,000				
			<i>Fish cleaning station</i>		\$ 236,000				
52	Decline	Winneconne:	Installation of three fire hydrants	Ready to implement	<del>\$ 40,000</del>	<del>\$ 40,000</del>	\$ -	\$ -	
53	Decline	Winneconne:	replace corroding water main	Ready to implement	<del>\$ 600,000</del>	<del>\$ 500,000</del>	\$ -	\$ -	
63	Decline	Winneconne:	replace 8th Ave corroding watermain	Ready to implement	<del>\$ 600,000</del>	<del>\$ 500,000</del>	\$ -	\$ -	
64	Decline	Winneconne:	replace 9th Ave corroding watermain	Ready to implement	<del>\$ 600,000</del>	<del>\$ 500,000</del>	\$ -	\$ -	
68	Decline	Winneconne:	construction of a police garage and impound evidence area	Research phase	<del>\$ 425,000</del>	<del>\$ 425,000</del>	\$ -	\$ -	
69	Decline	Winneconne:	replacement of Ford F150 Responder	Research phase	<del>\$ 45,000</del>	<del>\$ 45,000</del>	\$ -	\$ -	
70	Decline	Winneconne:	replace the Chief of Police's current squad	Exploration or concept	<del>\$ 45,000</del>	<del>\$ 45,000</del>	\$ -	\$ -	
30		Neenah/Menasha Fire	Emergency Service - Training	Research phase	\$ 1,000,000	\$ 500,000		\$ 500,000	
71	Moved to Govt project	Winneconne Poygan Fire District:	Replace one of three Husky Airboats (operated by WPFD) owned by the Winnebago County Sheriff's Department	Exploration or concept	<del>\$ 300,000</del>	<del>\$ 300,000</del>	\$ -	\$ -	Was this to be moved under Govt Projects? plan?
50	?	Winnebago County (request from Menasha)	Housing Fund to assist the development of Private Housing Developments (either County wide or allocate \$ for each city)	Exploration or concept	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	
54	?	Winnebago County (request from Menasha)	Winnebago County Economic Development Specialist (\$120,000 annually)	Exploration or concept	\$ 120,000	\$ 120,000	\$ -	\$ -	
60	Part of County Radio Ask	Fox Crossing:	Replacement of 75 portable radios, 12 mobile radios, and 2 base station radios used by police and fire personnel	Ready to implement	<del>\$ 520,000</del>	<del>\$ 260,000.00</del>	\$ -	\$ -	Part of County-wide Radio request
57	Part of County Radio Ask	Neenah/ Menasha:	Replacement of emergency communication equipment. All mobile and portable radios.	In the process of implementing	<del>\$ 498,000</del>	<del>\$ 250,000</del>	\$ -	\$ -	Part of County-wide Radio request
			<b>Collective Radio Ask</b>			\$ 3,260,000.00		\$ 3,260,000	
			<b>Other- potential housing initiative</b>						
					\$ 117,187,371	\$ 27,220,428	\$ 2,034,957	\$ 14,398,778	

App. #	Requested by/for:	Project type	total cost	Amount requested	Recommended amount	Stage/ % of request
43	Town of Algoma:	the South leg of a 2-lane roundabout at Leonard Point Road and STH 21	\$ 6,300,000.00	\$ 387,500	\$ 387,500.00	In the process of implementing
<b>Total request for Town of Algoma:</b>			<b>\$ 6,300,000.00</b>	<b>\$ 387,500</b>	<b>\$ 387,500.00</b>	

**Response:**

**Is this requested project part of your CIP? If so, what would happen to that funding in your budget/would you look to replace said project with another project?**

*The 2-lane roundabout, to be constructed in 2027, is in the Town's CIP. The Town is responsible for funding of the fourth (south) leg of the roundabout, and WisDOT is covering the north, east, and west-bound legs. The fourth leg is approximately 25% of the total cost.*

*The south leg is important to open up the land south of STH 21 for mixed-use development, which was originally proposed back in the 1990's. If this funding is allocated through the Spirit Fund to the Town of Algoma, that money originally allocated in the CIP for 50% of the Town's share (of the total 25% of the total project cost) would be reallocated to constructing two stormwater ponds that would be required given the type of development and wetlands in this area.*

*The ponds would be located near the east and west branches of Honey creek. The Town of Algoma is required by the WDNR to maintain and implement a Stormwater Management Plan. These two ponds would be valuable infrastructure in the implementation of the plan.*

**Will the \$145,000, that had been previously allocated from the Spirit funds be put toward this project?**

*The \$145,000 is proposed for the repaving of several roads and is not going to be used for the roundabout or the stormwater ponds. The roads are 30-years old and water tends to pond on them. The repaving, with new gravel shoulders, will resolve the icing and drainage issues.*

App. #	Priority ranking:	Requested by:	Project type	Total cost	Amount requested	Stage	Recommended amount	Additional info:
48	1	Menasha	Mobile Traffic barriers	\$ 184,957.00	\$ 184,957.00	Research Phase	\$ 184,957.00	
46	2		Acquisition of Whiting Site for redevelopment	\$ 1,200,000.00	\$ 1,200,000.00	Exploration	\$ -	
47	3		Relocation of Winnebago County Housing Authority Office	\$ 150,000.00	\$ 150,000.00	Exploration/In Process	\$ 150,000.00	
76	4	*	Fencing to protect police vehicles	\$ 50,000.00	\$ 50,000.00	Exploration	\$ -	
73	5	*	Appleton Road Sidewalks (in Menasha & Fox Crossing)	\$ 1,250,000.00	\$ 1,250,000.00	Exploration	\$ -	
77	6	*	Ballistic resistant glass at Police Department	\$ 95,000.00	\$ 95,000.00	Exploration	\$ -	
78	7	*	Recycling Truck	\$ 300,000.00	\$ 300,000.00	Exploration	\$ -	
41			Historic Facade Renovation Program	\$ 400,000			\$ -	recinded by Mayor
42			Second Floor Residential Development	\$ 400,000			\$ -	Recinded by Mayor
75		*	Police Radios for squad cars	\$ 150,000			\$ -	150K, recinded by Mayor
44			housing initiative to assist in the revitalization of affordable housing (\$300,000 is needed)	\$ 300,000			\$ -	Not in priority list
45			TIF funding for Nicolet School	\$ 3,500,000			\$ -	Not in priority list
<b>Total:</b>				<b>\$ 7,979,957.00</b>	<b>\$ 3,229,957.00</b>		<b>\$ 334,957.00</b>	

**Response:**  
I was able to circle around with the Mayor whom also spoke to the individual department heads. Attached is a breakdown of the City of Menasha prioritization. There are a few that were just left off, as they fell lower on the priority list and felt they likely had less support considering the overall fund and quantity of projects.

**Are any of these requests part of your CIP?**  
None of these projects are within our 2024 CIP.

**Are any of these projects part of the \$145,000 that had been previously allocated from the Spirit funds?**  
These projects are not included in the \$145K. Those funds were dedicated to a solar energy project that will be mounted on the roof of the Public Works Facility.

App. #	Priority	Requested by	Project type	total cost	Amount requeste	Stage/	Recommended Amount	Additioanl info:
20	#1-see note:	\$145,000	Tyler / Jackson Reconstruction Project	\$ 230,000.00	\$ 230,000	Ready to implement	\$ 85,000.00	If fully funded, this would be moved to #1
17	1	Omro:	new storage facility for the public works department	\$ 400,000.00	\$ 400,000	Ready to implement	\$ -	
21	2		Hwy 21 rural urbanization: sidewalks and transportation access	\$ 965,000.00	\$ 965,000	Research phase	\$ -	
16	3		old, dilapidated water and sewer utility crossing under the Fox River	\$ 700,000.00	\$ 500,000	Research phase	\$ 350,000.00	
24	4		Hire MSA Engineering to conduct a drainage plan	\$ 25,000.00	\$ 12,500	In process of implementing	\$ 12,500.00	
22	5		Water, Sewer, Storm Sewer, Sidewalks, Curb and Gutter replacement for Monore Ane and Superior St.	\$ 1,100,000.00	\$ 500,000	Research phase	\$ -	
23	6		Compete water, sewer, storm sewer, street and sidewalks as well as curb and gutter street reconstruction project.	\$ 2,500,000.00	\$ 1,500,000	Within 12 mo. of completion	\$ -	
19	7		Reconstruction of Clemans Court.	\$ 225,000.00	\$ 225,000	In process of implementing	\$ -	
26	8		Construction and operation of a dog park in Fox and Hounds Park.	\$ 50,000.00	\$ 25,000	Exploration or concept	\$ -	
18		Duplicate request	<del>new steel shed for the housing of cold storage for the Public Works Department</del>	<del>\$ 500,000.00</del>		Research phase	<del>\$ -</del>	
<b>Totals:</b>				<b>\$ 6,186,000.00</b>	<b>\$ 4,357,500.00</b>		<b>\$ 447,500.00</b>	

**Response:**  
**Could you please prioritize your requests, 1 being the highest, most pressing priority.**  
*Applicatiion #18 can be removed as it was duplicated by accident. Also, I did not rank the Tyler / Jackson project as that is the project we are requesting the \$145,000.00 , go towards but if we could get the whole \$230,000.00 towards this project that should be ranked #1 and move down the numbering sequence for the other projects.*  
**Is this requested project part of your CIP?**  
*They are projects within the future CIP but none are budgeted for at this time. We would not be looking to replace with other projects at this time, we just would not have to borrow in the future for any of the CIP projects that would get funded. That would allow us to not raise taxes for the debt levy increase these projects would have caused.*  
**Are any of these projects part of the \$145,000 that had been previously allocated from the Spirit funds?**  
*Yes, the Tyler /Jackson project is where the council has authorized the use of those funds.*

App. #	Priority ranking:	Requested by:	Project type	total cost	Amount requested	Stage/	Recommended Amount
32	1	Winneconne:	playground equipment improvements	\$ 500,000.00	\$ 500,000	Exploration or concept	\$ -
67	2		replace and enhance current basketball court	\$ 125,000.00	\$ 125,000	Research phase	\$ -
66	3		Remodel of Barn in the Lake Winneconne Park	\$ 150,000.00	\$ 150,000	Ready to implement	\$ 150,000.00
49	4		Repair Seal coat and repaint the parking lines on the first Street boat launch	\$ 35,000.00	\$ 35,000	Ready to implement	\$ -
39	5		Remodel the West shelter in lake Winneconne Park	\$ 100,000.00	\$ 100,000	Exploration or concept	\$ -
31*	6	See responses below:	improvement and addition of boat docks/piers, fish cleaning station, larger bulk heads, extended parking and facility upgrades to winneconne park	\$ 500,000.00	\$ 165,000	In the process of implementing	\$ 165,000.00
52			Installation of three fire hydrants	<del>\$ 40,000.00</del>	<del>\$ 40,000</del>	Ready to implement	
53			replace corroding water main	<del>\$ 600,000.00</del>	<del>\$ 500,000</del>	Ready to implement	
63			replace 8th Ave corroding watermain	<del>\$ 600,000.00</del>	<del>\$ 500,000</del>	Ready to implement	
64			replace 9th Ave corroding watermain	<del>\$ 600,000.00</del>	<del>\$ 500,000</del>	Ready to implement	
68			construction of a police garage and impound evidence area	<del>\$ 425,000.00</del>	<del>\$ 425,000</del>	Research phase	
69			replacement of Ford F150 Responder	<del>\$ 45,000.00</del>	<del>\$ 45,000</del>	Research phase	
70			replace the Chief of Police's current squad	<del>\$ 45,000.00</del>	<del>\$ 45,000</del>	Exploration or concept	
<b>Totals:</b>				<b>\$ 1,410,000.00</b>	<b>\$ 1,075,000.00</b>		<b>\$ 315,000.00</b>

**Response:**

31\* A. Additional boat trailer parking \$396,000.  
B. Additional car parking \$59,000.  
C. Invasive species pressure washer station \$15,000.  
D. Fish Cleaning station \$236,000.

**Are any of these requests part of your CIP?**  
No they are not.

**Are any of these projects part of the \$145,000**  
the \$145,000 from the county is being used to support the Lake Winneconne DNR match grant which is improving that park that once was owned by the county.

App. #	Priority	Requested by:	Project type	total cost	Amount requested	Stage	Recommended Amount	Included in Capital Improvement Plan (CIP)?	If Funding Received, Would this Project be Replaced on the CIP?
27	1	Neenah:	vehicle barrier system	\$ 600,000	\$ 300,000	Ready to implement	\$ 300,000.00	Yes, only \$300,000 was included in the CIP , which was half of the total project.	We would keep the \$300,000 in the CIP in order to match the funding received. This would allow us to complete the total project, not just half of it as was previously planned in the CIP.
28	2	Neenah Water Utility	replace two of the three Water mains serving Doty Island	\$ 500,000	\$ 250,000	Ready to implement	\$ -	Yes, it is for \$500,000	No, we would move forward with the project and fund it with utility revenues.
			<b>Total:</b>	<b>\$ 1,100,000</b>	<b>\$ 550,000</b>		<b>\$ 300,000</b>		
25		Future Neenah	Gateway Park improvements (ADA tables, art, shade, safe crossings, lighting)	\$ 30,000	\$ 20,000	Research	\$ -		Technically NOT a municipality project/request.
			<b>Total:</b>	<b>\$ 30,000</b>	<b>\$ 20,000</b>		<b>\$ 300,000</b>		

**Response:**

1. Could you please prioritize your requests, 1 being the highest, most pressing priority. *See chart*
2. Are any of these requests part of your CIP? *See chart*
3. Are any of these projects part of the \$145,000 that had been previously allocated from the Spirit funds?

*No they are not. We are still in discussions on how to best utilize this money to best serve the citizens of the City of Neenah. We are leaning to street projects that will make our streets safer for our residents.*



App. #	Priority ranking:	Requested by:	Project type	total cost	Amount requested	Stage	Recommended Amount
61	1	Oshkosh:	Commonwealth Development is proposing to develop a 55-unit low-income mixed-use (including 2dn shift childcare) development on property that the City of Oshkosh Redevelopment Authority currently owns.	\$ 19,291,481.00	\$ 750,000	Ready to implement	Defer to Lu Scheer for Housing plan
62	2		Affordable workforce housing	\$ 1,595,000.00	\$ 995,000	Exploration or concept	Defer to Lu Scheer for Housing plan
<b>Total request for Oshkosh:</b>				<b>\$ 20,886,481.00</b>	<b>\$ 1,745,000.00</b>		
15		Osh.Housing Authority	Homelessness project: constructing 32 one and two bedroom apartments	\$ 6,500,000.00	\$ 500,000.00	Research phase	Defer to Lu Scheer for Housing plan
<b>Housing initiative:</b>					<b>\$ 2,245,000.00</b>		<b>\$ 2,245,000.00</b>

**Response:**  
**Could you please prioritize your requests, 1 being the highest, most pressing priority.**  
*1- Commonwealth low-income/multi-shift daycare 2- Affordable single family workforce housing initiative.*  
**Are any of these requests part of your CIP?**  
*Yes. The City has funds from 2023 and proposed funds for 2024 to help implement housing initiatives in the City. If our project(s) aren't picked, we would use the CIP funding on other housing programs/projects*  
**Are any of these projects part of the \$145,000 that had been previously allocated from the Spirit funds?**  
*No, the \$145,000 of funds provided by the County were already allocated to the Oshkosh Fire Dept to purchase turnout gear. Since the Fire Department provides services throughout the County, we believe it will have a positive impact throughout Winnebago County.*

1 - 2023

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**RESOLUTION: REQUEST \$314,600 OF THE SPIRIT FUND TO BE APPROPRIATED FOR CONSTRUCTION THAT REMOVES EXISTING OFFICER'S STATIONS FROM DIRECT SUPERVISION ONE AND DIRECT SUPERVISION TWO AND COMBINES THE OFFICER'S AREA IN THE EXISTING PROGRAM ROOMS**

**TO THE WINNEBAGO COUNTY BOARD OF SUPERVISORS:**

11 **WHEREAS**, the current Direct Supervision Housing Units place the deputies directly in pods with the inmates  
12 offering no separation; and

13 **WHEREAS**, combination of the officer's areas in the Direct Supervision Housing Units will provide the same  
14 protection afforded in other assignment areas; and

15 **WHEREAS**, the workload will be shared by the deputies assigned to the Direct Supervision Housing Units; and

16 **WHEREAS**, this construction will eliminate the need for other staff to assist thereby allowing for flexibility of  
17 staffing and potentially reducing overtime needs for the facility; and

18 **WHEREAS**, the cost of the engineering, demolition, and relocation totals \$314,600.

19  
20 **NOW, THEREFORE, BE IT RESOLVED** by the Winnebago County Board of Supervisors that it hereby  
21 appropriates \$314,600 of Spirit Funds dollars to be used to pay for the engineering, demolition, relocation, and  
22 construction of the Direct Supervision One and Direct Supervision Two Housing Units and combine the officer's  
23 areas in the existing Programs Rooms.

24  
25 *Fiscal Note: \$314,600 of Spirit Fund dollars will be appropriated for the construction.*

26  
27 Respectfully submitted by:

28 **ARPA STRATEGY AND OUTCOMES COMMISSION**

29 Commission Vote: \_\_\_\_\_

30  
31 Vote Required for Passage: **Two-Thirds of Membership**

32  
33 Approved by the Winnebago County Executive this \_\_\_\_\_ day of \_\_\_\_\_, 2023.

34  
35 \_\_\_\_\_  
36 Jonathan D. Doemel  
37 Winnebago County Executive

# Agenda Item Report



**Winnebago County**  
*The Wave of the Future*

DATE: October 11, 2023  
FROM: Sheriff John Matz  
RE: Direct Supervision Officer's Stations Relocation

## **General Description:**

Request \$314,600 of the Spirit Fund to be appropriated for construction that removes existing officer's stations from Direct Supervision One and Direct Supervision Two and combines the officer's area in the existing Programs Rooms.

## **Action Requested:**

Motion to approve resolution and budget transfer from the Spirit Funds for \$314,600.

## **Procedural Steps:**

(Show each level of committee and board approval needed, with meeting dates.)

ARPA Strategy and Outcomes Commission \_\_\_\_\_ Meeting date: 10/20/23

Action taken: \_\_\_\_\_ Vote: \_\_\_\_\_

County Board Meeting date: 11/21/23

## **Background:**

The Winnebago County Jail has six housing pods within the facility. Three pods are in-direct supervision, with the inmates separated from the deputy by glass and lockable cells in each smaller unit within the pod. The other three units are direct supervision. In these units, the deputies are stationed in the housing unit with up to 68 inmates without separation. Each of the six housing is staffed by one deputy 24 hours daily.

During the pandemic, we saw increase in deputy vacancies due to illness. Inmates that had tested positive or had been exposed were housed in Direct Supervision One and Two to provide enough room to separate the populations. Deputies were regularly exposed in this environment increasing the chance of deputies being out with illness. Moving the officer's station to the current Programs Room adds a layer of separation and protection.

In 2023, the Winnebago County Jail has carried up to 15 Corrections Deputy vacancies. These vacancies have required staff to work extra hours and brought about discussions for a better work environment, how to best utilize our staffing, and how to reduce workload.

One area often mentioned is the deputy isolation while working in the pods. In looking at the layout of the building, the only areas in the facility that can combine deputy areas are Direct Supervision One and Direct Supervision Two. Those two pods share a wall between the Program's Rooms. Adding a door between the housing units would allow a shared deputy space. These two deputies could assist one another in all duties, eliminating the need for additional staff. This would enable staffing to be flexible

and eliminate potential vacancies filled by overtime. This savings is estimated at around \$40,000 and will be reflected in the 2024 Budget.

Winnebago County Facilities has secured bids for architecture to engineer the pass-through in the connecting wall as well as the demolition of the current officer's stations.

The purchase will be for the following:

- Hiring of an Architecture for engineering
- Hiring of a company to complete the demolition and door construction
- Moving of cabling and wiring
- Moving of fire alarm panel system

The cost of architecture was estimated at \$26,000.

The cost of demolition and relocation was estimated by Facilities at \$260,000.

The total cost of the project with a 10% contingency fund would be \$314,600.

### **Policy Discussion:**

The American Rescue Plan created the \$350 billion Coronavirus Fiscal Recovery Fund (CFRF), and is intended to provide flexible funding to support COVID-19 response efforts by replacing lost public sector revenue and strengthening support for vital public services. Sections 602(c)(1)(C) and 603(c)(1)(C) of the Act provide recipients with broad latitude to use the Fiscal Recovery Funds for the provision of government services. The Final Rule issued by the US Department of the Treasury 31 CFR Part 35 states that the category of *government services* includes (in part) the provision of police, fire, and other public safety services.

Justifiably, these broad criteria allow for the use of ARPA funds to relocate and combine the officer's stations. This project is for the benefit of both the deputies and inmates to support protections from another pandemic-type illness, ensuring the essential staff exposure risks are minimized. Combining the workload of the two housing units allows for cost savings in labor for the County.

### **Attachments:**

Attachment 1-Resolution