

**RESOLUTION
ROCK COUNTY BOARD OF SUPERVISORS**

Kathren Sucus
INITIATED BY



Kathren Sucus, Director
DRAFTED BY

Public Safety and Justice
SUBMITTED BY

May 26, 2017
DATE DRAFTED

AUTHORIZATION FOR PURCHASE OF PUBLIC SAFETY BACKUP REPEATER SYSTEM

- 1 **WHEREAS**, the 911 Communications Center is responsible for the continuous operation of the public
- 2 safety radio communications infrastructure in Rock County; and,
- 3
- 4 **WHEREAS**, the Communications Center, through its public safety work groups, has identified the need
- 5 for (4) repeated frequencies that will not be connected through the county network as a means of
- 6 emergency backup communications in case of network failure; and,
- 7
- 8 **WHEREAS**, General Communications, Inc. of Madison, Wisconsin is the maintenance provider for the
- 9 Rock County public safety radio system infrastructure as well as the Communications Center's radio
- 10 console equipment; and,
- 11
- 12 **WHEREAS**, the total cost for FCC frequency coordination, equipment, configuration, programming,
- 13 and installation of these frequencies is \$175,358.06; and,
- 14
- 15 **WHEREAS**, this project was budgeted and funding is available; and,
- 16
- 17 **NOW, THEREFORE, BE IT RESOLVED** by the Rock County Board of Supervisors duly assembled
- 18 this 8th day of June, 2017 that a contract be awarded to General Communications,
- 19 Inc. of Madison, Wisconsin, in the amount of \$175,358.06 to coordinate and implement this project.

Respectfully submitted,

PUBLIC SAFETY AND JUSTICE COMMITTEE

Absent
Mary Beaver, Chair

Henry Brill
Henry Brill, Vice Chair

Terry Fell
Terry Fell

Brian Knudson
Brian Knudson

Phil Owens
Phil Owens

ADMINISTRATIVE NOTE:

Recommended.
Josh Smith
Josh Smith
County Administrator

FISCAL NOTE:

Sufficient funds are available in the Communications Center's budget for these backup frequencies. This project is being funded by sales tax revenue.

Sherry Oja
Sherry Oja
Finance Director

LEGAL NOTE:

The County Board is authorized to take this action pursuant to secs. 59.01 and 59.51, Wis. Stats. In addition, sec. 59.52(29), Wis. Stats. requires the project to be let to the lowest responsible bidder. General Communications is the only certified Mindshare technician in the area and holds the maintenance contract for Rock County's public safety radio system.

Jeffrey S. Kuglitsch
Jeffrey S. Kuglitsch
Corporation Counsel

17-6A-298

EXECUTIVE SUMMARY

The Communications Center is solely responsible for the infrastructure, operation, and maintenance of the public safety digital radio system in Rock County. Through discussions with the public safety workgroups the need for dedicated backup repeated channels, not connected to the radio network, was identified. These repeated channels would serve the Janesville Police Department, the Rock County Sheriff's Office & smaller law agencies, and all Rock County fire & EMS agencies. (Note: Beloit Police Department already has their own non-networked repeated channels.)

These channels will be utilized primarily as emergency backup in situations of radio network failures which would cause the primary dispatch channels to be unavailable. When not in use the channels may also be utilized for special events, water rescues, search warrants, and other public safety tactical situations where additional channels are required.

Total cost of the project is \$175,358.06 to include equipment, FCC licensing fees, installation, programming, and configuration. This project was budgeted and approved for 2016, but due to issues with frequency coordination it was carried over into 2017.

Much of the equipment and labor for this project has been priced off the State of Wisconsin and NASPO contract. General Communications is also the only certified Mindshare (dispatch radio consoles) technician in the area and they hold the maintenance contract for the public safety radio system in Rock County.



May 25, 2017

Rock County Communications
3636 N County Highway F
Janesville, WI 53545

RE: Analog Repeater System Quote

The following is our quote to install 4 analog repeaters with P25 Common Air Interface capability. Two repeaters will be located at the New County A tower, one will be located at the Ute Ct tower and one will be located at the Wisconsin State Patrol Tower in Milton. Console interface and back-up radios will be installed at the Janesville PSAP and at the back-up PSAP in the Town of Beloit. Pricing is based off the NASPO and State of Wisconsin contracts where available. Hyperlinks are provided to each contract. The Harris NASPO price sheet is attached for reference.

<u>Qty</u>	<u>Description</u>	<u>Part #</u>	<u>Contract</u>	<u>Contract Number</u>	<u>Vendor</u>	<u>NASPO Price</u>	<u>Extended NASPO</u>
4	Harris/Tait TB9400 Rptr Cnv 148-174M 100W	TB9435-B3M0-0000-A400	NASPO	06913	Tait	\$8,250.00	\$33,000.00
4	Harris/Tait SFE P25 Common Air Interface (CAI)	TBAS050	NASPO	06913	Tait	\$3,650.25	\$14,601.00
8	EF Johnson VM5000 Mobile Radio	VM5730BF	NASPO	06913	EF Johnson	\$1,900.40	\$15,203.20
2	Power Distribution Panel	DBRM-20-75	None	N/A	Duracomm	\$165.15	\$330.30
2	Power Supply,Base Station	HD-BS1B	NASPO	06913	Harris	\$1,295.00	\$2,590.00
4	Rack Shelf, 1RU	R1194/1UK	None	N/A	Amazon	\$36.00	\$144.00
1	Control Station Combiner 4 Channel Expansion	75-37-15216-X1	None	N/A	Bird RF	\$14,958.00	\$14,958.00
2	Control Station Combiner	RF-018909-003	NASPO	06913	Harris	\$8,347.50	\$16,695.00
4	Duplexer,148-174MHz	7658	NASPO	06913	Harris	\$2,322.00	\$9,288.00
8	Tone Termination Panel	TTP1(N)	None	N/A	CPI	\$324.00	\$2,592.00
8	Case for Tone Panel	C/TTP1(N)	None	N/A	CPI	\$43.20	\$345.60
8	Interface Cable	600-TK00	None	N/A	CPI	\$45.00	\$360.00
4	Line Interface Card, Mindshare Console	750M-100-000	State of WI	13-5458	CSS	\$865.92	\$3,463.68
7	Single Line Radio Card with Enclosure	750M-100-001	State of WI	13-5458	CSS	\$1,252.80	\$8,769.60
4	Duplexer Cable, NM-NM	RG142PNMNM-2	None	N/A	Hutton	\$45.00	\$180.00
4	Duplexer Cable, NM-BM	RG142PNMBM-2	None	N/A	Hutton	\$45.00	\$180.00
2	VHF Unity Gain Fiberglass Antenna 144-162 MHz	BA1012-1	None	N/A	Tessco	\$333.00	\$666.00
3	Antenna,150-162 MHz,Omni,6dB	340-1	NASPO	06913	Harris	\$715.50	\$2,146.50
3	Kit,Cable Boot,4 in,For One 7/8 in Cable	KT-014861-001	NASPO	06913	Harris	\$49.50	\$148.50
2	Mast Pipe, 5'	160505PHS	None	N/A	Tessco	\$17.89	\$35.78
3	Kit,Ant Side Mt,F DB222/DB304,DB-5001 20	7627	NASPO	06913	Harris	\$198.00	\$594.00
12	Filter,Lightning,125-1000,IS-B50LN-C2-MA	7239	NASPO	06913	Harris	\$90.00	\$1,080.00

Madison Office

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Eau Claire, WI 54701
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Fax: (608)661-2935



8	Kit,Grounding For 7/8in Coaxial,60in	KT-018357-001	NASPO	<u>06913</u>	Harris	\$22.50	\$180.00
5	Kit,Hoisting Grip,7/8 in Cable	KT-014859-001	NASPO	<u>06913</u>	Harris	\$31.50	\$157.50
50	Ground Wire, 6 Gauge	SERMTRL	None	N/A	Graybar	\$2.00	\$100.00
80'	Cable,Coaxial,1/4in Cellflex	CA-015465-001	NASPO	<u>06913</u>	Harris	\$1.76	\$140.40
50	Connector,N Male,Right Angle	CN-014876-001	NASPO	<u>06913</u>	Harris	\$40.50	\$2,025.00
1000'	1/2" Superflex Cable	CA-015466-001	NASPO	<u>06913</u>	Harris	\$2.48	\$247.50
8	Connector,N Male,1/2in Coax	CN-015463-001	NASPO	<u>06913</u>	Harris	\$36.00	\$288.00
1000'	Cable,Coaxial,7/8in,Low Loss Foam	CA-015474-001	NASPO	<u>06913</u>	Harris	\$2.93	\$2,925.00
8	Connector,NF,7/8in Coax,O-Ring Sealing	CN-009256	NASPO	<u>06913</u>	Harris	\$40.50	\$324.00
10	Kit,Snap in Hanger,For 7/8 in Ca,Qty 10	KT-014866-001	NASPO	<u>06913</u>	Harris	\$36.00	\$360.00
360'	Low Loss Coax Cable	LMR400	None	N/A	Hutton	\$1.35	\$486.00
8	Coax Connectors, N-Male	RFN-1006-3I	None	N/A	Hutton	\$6.75	\$54.00
1	FCC Coordination and License	FCC	None	N/A	FCC	\$8,000.00	\$8,000.00
8	Programming	Programming	NASPO	<u>06913</u>	Harris	\$125.00	\$1,000.00
1	Antenna Installation by sub-contractor labor	Sub Labor	None	N/A	FCC	\$6,000.00	\$6,000.00
220	Equipment Installation	Labor	NASPO	<u>06913</u>	Harris	\$150.00	\$33,000.00
						NASPO Total:	\$182,658.56

If you have any questions please email rwestgard@gencomm.com or call 608-310-7127.

Sincerely,

Rich Westgard

Rich Westgard
Service Manager

Madison Office

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