

**RESOLUTION  
ROCK COUNTY BOARD OF SUPERVISORS**

Kathren Sukus  
INITIATED BY



Kathren Sukus, Director  
DRAFTED BY

Public Safety and Justice  
SUBMITTED BY

December 1, 2015  
DATE DRAFTED

**BACK-UP RADIO CONTROL STATION COMBINER SYSTEM**

1 **WHEREAS**, the Communications Center has several control station radios located at the Rock County  
2 Sheriff's Office that are used as backup for the public safety radio system; and,  
3  
4 **WHEREAS**, due to the proximity of the mobile radios and multiple antennas required, radio bleed-over  
5 and interference occurs when several radios are simultaneously active; and,  
6  
7 **WHEREAS**, in order to eliminate the radio interference, control station combiners and new antennas are  
8 necessary; and,  
9  
10 **WHEREAS**, General Communications, Inc., of Madison, Wisconsin is the Rock County public safety  
11 radio system maintenance vendor and the only certified Raytheon technician in the area; and,  
12  
13 **WHEREAS**, the design, equipment, and labor involved in this project is \$44,869.35; and,  
14  
15 **WHEREAS**, these funds were budgeted in the Communications Center's 2015 capital projects; and,  
16  
17 **NOW, THEREFORE, BE IT RESOLVED** by the Rock County Board of Supervisors duly assembled  
18 this 10<sup>th</sup> day of December, 2015 that a contract in the amount of \$44,869.35 be awarded to  
19 General Communications, Inc., of Madison, Wisconsin for the design, equipment, and labor necessary to  
20 complete the control station combiner project.

15-12A-436

Respectfully submitted,

PUBLIC SAFETY AND JUSTICE COMMITTEE

Mary Beaver  
Mary Beaver, Chair

Henry Brill  
Henry Brill, Vice Chair

Terry Fell  
Terry Fell

Brian Knudson  
Brian Knudson

Larry Wiedenfeld  
Larry Wiedenfeld

ADMINISTRATIVE NOTE:

Recommended  
Josh Smith  
Josh Smith  
County Administrator

FISCAL NOTE:

Sufficient funds are available in the Communication Center's capital account, A/C 23-2400-0000-67161, for this project. This account is 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, Inc. is the sole source provider.

Jeffrey S. Kuglitsch  
Jeffrey S. Kuglitsch  
Corporation Counsel

## EXECUTIVE SUMMARY

The public safety radio system backup control stations are located at the Rock County Sheriff's Office. Due to the proximity of the equipment in the radio room, there are times that radio interference (bleed over) occurs when multiple backup channels are in use. This interference makes transmissions inaudible. To alleviate this interference, customized control station combiners are necessary to reduce the amount of antennas connected to the individual control station radios.

This is an upgrade to the existing equipment, which is maintained by General Communications, Madison. The project requires an in depth knowledge of the County's public safety radio system. General Communications has been the maintenance provider for the public safety radio system for over 20 years and they designed the current radio system with the radio equipment provider, Raytheon JPS. This upgrade will be integrated with the Raytheon system for which General Communications is the only certified dealer and maintenance provider in this area.

Total cost for system design, equipment, installation and removal of old equipment is \$44,869.35.

This project was approved in the Communications Center's 2015 budget and the funds are available.



**GENERAL  
COMMUNICATIONS**  
— your safety is our business

November 12, 2015

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

**RE: Back-Up Radio Antenna System**

The following is our quote to install two control station combiner systems for the back-up radios as the sheriff's tower. During this project we will remove all the unused cables and antennas on the tower, install new cables and wide band antennas for the combiner and inventory all the antennas on the tower.

<u>Qty</u>	<u>Description</u>
1	VHF Control Station Combiner, 8 Chan
1	UHF Control Station Combiner, 2 Chan
1	19" Rack
240'	1/2" Super-Flex Cable
20'	1/2" N-Male Connectors
2	VHF Antenna, 148-162 MHz
1	UHF Antenna, 450-470 MHz
300'	7/8" Hardline Cable
6	7/8" Ground Kits
6	7/8" Hard Line Cable
1	Tower labor to remove old cable and antennas, and installation of new cable and antennas

Total Cost \$44,869.35

If you have any questions please email [rwestgard@gencomm.com](mailto:rwestgard@gencomm.com) or call 608-310-7127.

Sincerely,

*Richard Westgard*

Richard Westgard  
Service Manager

**Madison**  
2880 Commerce Park Drive  
Madison, WI 53719  
(608) 271-4848/(800) 356-3200

**Milwaukee**  
N57 W13466 Reichert Avenue  
Menomonee Falls, WI 53051  
(262) 439-2000/(800) 546-9468

[www.gencomm.com](http://www.gencomm.com)