

## COUNCIL WORKSHOP ITEM

**ITEM:** Resolution Authorizing Execution of an Intergovernmental Agreement for a Fire Communications Network

**DATE:** June 5, 2002

**PREPARED BY:** Fire Chief Ruscetti  
Deputy Fire Chief Jackson

**BID AMOUNT:** \$55,451.00

**DISCUSSION:**

The Downers Grove Fire Department is seeking the use of a radio frequency that is owned by the Clarendon Hills Fire Department. Downers Grove, Westmont and Clarendon Hills have met several times and have agreed on the operations and an intergovernmental agreement has been established to facilitate the use of this radio frequency.

To complete the radio frequency transition, an infrastructure needs to be developed. The infrastructure consists of 4 receiver sites and the proper equipment to connect the Clarendon Hills Radio Tower to VOC. The infrastructure has been designed to address the future radio plans of the Fire Department. See attached Quote from United Radio.

**ATTACHMENT:**

A RESOLUTION AUTHORIZING EXECUTION OF INTERGOVERNMENTAL AGREEMENT BETWEEN THE VILLAGE OF CLARENDON HILLS, THE VILLAGE OF DOWNERS GROVE, AND THE VILLAGE OF WESTMONT FOR A FIRE DEPARTMENT COMMUNICATIONS NETWORK.

INTERGOVERNMENTAL AGREEMENT

QUOTE FROM UNITED RADIO

**RECOMMENDATION:**

It is requested that this matter be placed on workshop agenda for June 25<sup>th</sup>, 2002 for Council review and consideration.

RESOLUTION NO. \_\_\_\_\_

**A RESOLUTION AUTHORIZING EXECUTION OF AN INTERGOVERNMENTAL AGREEMENT BETWEEN THE VILLAGE OF CLARENDON HILLS, THE VILLAGE OF DOWNERS GROVE, AND THE VILLAGE OF WESTMONT FOR A FIRE DEPARTMENT COMMUNICATIONS NETWORK**

BE IT RESOLVED by the Village Council of the Village of Downers Grove, DuPage County, Illinois, as follows:

1. That the form and substance of a certain Intergovernmental Agreement (the “Agreement”), between the Village of Clarendon Hills (hereinafter “Clarendon Hills”), the Village of Downers Grove, (hereinafter “Downers Grove”), and the Village of Westmont (hereinafter Westmont”) for use of the VHF radio system repeater owned by Clarendon Hills, as set forth in the form of the Agreement submitted to this meeting with the recommendation of the Village Manager, is hereby approved.

2. That the Village Manager and Village Clerk are hereby respectively authorized and directed for and on behalf of the Village to execute, attest, seal and deliver the Agreement, substantially in the form approved in the foregoing paragraph of this Resolution, together with such changes as the Manager shall deem necessary.

3. That the proper officials, agents and employees of the Village are hereby authorized and directed to take such further action as they may deem necessary or appropriate to perform all obligations and commitments of the Village in accordance with the provisions of the Agreement.

4. That all resolutions or parts of resolutions in conflict with the provisions of this Resolution are hereby repealed.

5. That this Resolution shall be in full force and effect from and after its passage as provided by law.

\_\_\_\_\_  
Mayor

Passed:

Attest: \_\_\_\_\_  
Village Clerk

**INTERGOVERNMENTAL AGREEMENT BETWEEN THE VILLAGE OF  
CLARENDON HILLS, THE VILLAGE OF DOWNERS GROVE, AND THE  
VILLAGE OF WESTMONT FOR A FIRE DEPARTMENT COMMUNICATIONS  
NETWORK**

This agreement made and entered into this 2<sup>nd</sup> day of July 2002, by and between the VILLAGE OF CLARENDON HILLS, an Illinois municipal corporation, (hereinafter "CLARENDON HILLS"), the VILLAGE OF DOWNERS GROVE, an Illinois municipal corporation, (hereinafter "DOWNERS GROVE"), and the VILLAGE OF WESTMONT, (hereinafter "WESTMONT").

**WITNESSETH**

WHEREAS, DOWNERS GROVE and WESTMONT seek use of the VHF radio system repeater owned by CLARENDON HILLS and radio frequencies licensed by the Federal Communications Commission to CLARENDON HILLS, which are used by CLARENDON HILLS' fire department; and

WHEREAS, CLARENDON HILLS has no objection to the aforementioned use of its radio system repeater and radio frequencies, subject to certain terms and conditions; and

WHEREAS, the parties hereto desire to commit their arrangements and understandings to writing.

NOW, THEREFORE, in consideration of the foregoing, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties to this Agreement do hereby agree as follows:

1. The recitals set forth are hereby incorporated into and made a part of this Agreement.

2. CLARENDON HILLS will allow DOWNERS GROVE and WESTMONT to connect various radio receivers and dispatch station controls to CLARENDON HILLS' radio repeater system located at 233 Burlington Avenue, Clarendon Hills, Illinois 60514, (hereinafter the "Repeater System Site"), subject to said connections taking place as directed by, and under the supervision of, CLARENDON HILLS.
3. The radio repeater network shall consist of the main transmitter, antenna and receiver, which are the property of CLARENDON HILLS. Additional equipment including, but not limited to, antennas, receivers, comparators, and voters, etc., (hereinafter the "Additional Equipment"), may be added to the network by DOWNERS GROVE and/or WESTMONT, and said Additional Equipment, if any, shall remain the property of the purchasing Party. Upon termination of this Agreement, any such additional equipment can be removed by DOWNERS GROVE or WESTMONT, as the case may be. Any equipment installed at the Repeater System Site, which is related to the operation of the radio repeater system network, (hereinafter the "Network Equipment") shall at all times remain at the Repeater System Site and cannot be removed by DOWNERS GROVE and/or WESTMONT, even if they, or either one of them, decides to leave the radio repeater network. The Network Equipment installed at the Repeater System Site becomes the property of CLARENDON HILLS upon its installation, regardless of which party hereto installs it.

4. CLARENDON HILLS will be responsible for and coordinate all maintenance and repairs of the main transmitter/repeater, main voter, and any other equipment located at the Repeater System Site. DOWNERS GROVE and WESTMONT, however will each be responsible for one third (1/3) of said maintenance and repair costs relative to the equipment. CLARENDON HILLS will invoice DOWNERS GROVE and WESTMONT for their respective shares of any such maintenance or repair costs, with any such invoices to be paid within thirty (30) days of the mailing thereof.
5. DOWNERS GROVE and WESTMONT will be responsible for all maintenance and repairs of any equipment located within their respective jurisdictions.
6. DOWNERS GROVE and WESTMONT agree to reimburse CLARENDON HILLS for all costs associated with the upgrading of the existing two (2) wire radio circuit from CLARENDON HILLS to Southwest Central Dispatch. These costs shall include, but not be limited to, the costs for all labor, Ameritech one time upgrade costs, and any microwave cards needed for this circuit. CLARENDON HILLS will invoice DOWNERS GROVE and WESTMONT for their respective share of these costs (fifty percent (50%) each), with said invoices to be paid within thirty (30) days of the mailing thereof.
7. CLARENDON HILLS will allow DOWNERS GROVE and WESTMONT to operate on frequencies 150.805Mhz and 153.635Mhz with a private line code of 146.2hz as licensed by the Federal Communications Commission to CLARENDON HILLS.

8. This Agreement allows for three (3) fire departments, CLARENDON HILLS, DOWNERS GROVE and WESTMONT to operate on the network at this time, with said three (3) fire departments hereby constituting the "Network" as referenced herein. One (1) additional fire department may be allowed to operate on the Network in the future with the permission of CLARENDON HILLS.
9. There shall be one main transmitter/repeater in the Network, to be located at the Repeater System Site. This transmitter is currently and will remain the property of CLARENDON HILLS. CLARENDON HILLS, DOWNERS GROVE and WESTMONT may consider the purchase of a second transmitter/repeater that will serve as a backup in the case of a failure of the main transmitter/repeater. The costs associated with any such second transmitter/repeater, if and when purchased shall be divided equally between CLARENDON HILLS, DOWNERS GROVE, and WESTMONT.
10. CLARENDON HILLS will provide a building at the Repeater System Site for all equipment related to the operation of the repeater/transmitter and associated equipment. This building will be climate controlled and provided with an electrical service, backup electrical generator and an uninterrupted power supply system. This building will be locked and secured at all times.

11. CLARENDON HILLS will have overall control of the repeater/transmitter, and will have the capability to shut the repeater off immediately at all times, in the event of an open microphone on a mobile or portable radio, or in the case of an equipment malfunction.
12. DOWNERS GROVE will have overall control of all of the receivers in the Network. DOWNERS GROVE will have the ability to disable any and/or all receivers in the event of a malfunction of one or more of the receivers.
13. All fire departments and dispatch centers working in the Network shall conform to "Standard Operating Procedures" for dispatch, as defined by the Fire Chiefs of CLARENDON HILLS, DOWNERS GROVE and WESTMONT. Communications shall be concise and to the point. Professionalism and courtesy shall be adhered to at all times.
14. CLARENDON HILLS, DOWNERS GROVE and WESTMONT shall utilize mobile data computers in all front line fire department vehicles to facilitate call handling. Radio channel communications are to be kept to a minimum. It is not the intent of the Network to identify each transmission, but to interact professionally and courteously with each agency to keep radio traffic to a minimum, so that all parties will be able to utilize the radio channels effectively. CLARENDON HILLS and WESTMONT will normally dispatch their emergency calls using paging tones on the main frequency (153.635 Mhz). DOWNERS GROVE will normally dispatch their emergency calls using their in station paging systems.

15. To the extent necessary, each member of the Network agrees to follow normal firefighting communication protocol. Upon incident command notification, fire units will switch to a fireground communication channel, to conduct all on scene communications for situations that will require more communications than normal. This will leave the primary Network channels available for other radio traffic.
16. CLARENDON HILLS, DOWNERS GROVE and WESTMONT agree to standardize radio communications as much as possible so as to better effect communications on a shared frequency.
17. CLARENDON HILLS, DOWNERS GROVE and WESTMONT each agree to hold the others, and also Southwest Central Dispatch, which is the dispatch agency for CLARENDON HILLS, harmless from and against all claims, and indemnify the others in relation to, any claim or claims, meritorious or otherwise, for any loss, personal injury, death or damages that may arise in conjunction with, or result from, the act or failure to act of one or more employees or officials of the indemnifying party insofar as such act or failure to act results in such loss, personal injury, death of damages for which either the indemnifying party or the indemnified parties, jointly or severally, may or shall be liable.
18. CLARENDON HILLS, DOWNERS GROVE and WESTMONT hereby represent and warrant that each presently possesses and will continue to possess insurance coverage for contractual liabilities, and blanket excess coverage, providing comprehensive general liability coverage in an aggregate amount of not less than \$2,000,000.00 per occurrence pursuant

to the provisions of a self-insurance pool agreement or comprehensive general liability insurance policy and a blanket excess policy. Each party shall take all actions necessary to keep such insurance coverage in full force and effect for the entire term of this Agreement.

19. DOWNERS GROVE agrees to pay CLARENDON HILLS \$5,000.00 upon acceptance of this Agreement by CLARENDON HILLS. This money represents a buy-in for the costs CLARENDON HILLS incurred for the frequency search, frequency coordination, FCC license approval, and transmitter/repeater equipment purchases.

20. WESTMONT agrees to pay CLARENDON HILLS \$5,000.00 upon acceptance of this Agreement by CLARENDON HILLS. This money represents a buy-in for the costs CLARENDON HILLS incurred for the frequency search, frequency coordination FCC license approval, and transmitter/repeater equipment purchases.

21. DOWNERS GROVE will provide CLARENDON HILLS with access to the services and equipment of the DOWNERS GROVE Fire Department Hazardous Materials Team and Technical Rescue Team. These services, equipment and specialized personnel of the DOWNERS GROVE Fire Department may be called by the CLARENDON HILLS Fire Department to respond to and assist in a hazardous materials incident and/or technical rescue incident in CLARENDON HILLS. All costs for any replacement supplies of either of these teams will be reimbursed to DOWNERS GROVE by CLARENDON HILLS if used at an incident in CLARENDON HILLS.

22. CLARENDON HILLS, DOWNERS GROVE or WESTMONT may terminate their respective involvement in this Agreement by giving written notice of said termination to the other parties hereto not less than twelve (12) months in advance of the effective date of said termination. However, CLARENDON HILLS may not give such notice of termination to the other parties hereto until after thirty six (36) months have elapsed from the commencement of the Agreement, except in the case of default by one of the other parties. Such notice of termination shall not relieve the terminating party of any obligation to pay any fees or charges accrued, unpaid, or obligated prior to the effective date of the termination.

23. For purposes of this Agreement, all notices that are given shall be given to all the following parties at the addresses indicated:

Village of Clarendon Hills  
Fire Department  
Attention: Fire Chief  
316 Park Avenue  
Clarendon Hills, Illinois 60514

Village of Downers Grove  
Fire Department  
Attention: Fire Chief  
6701 Main Street  
Downers Grove, Illinois 60516

Village of Westmont  
Fire Department  
Attention: Fire Chief  
6015 S. Cass Avenue  
Westmont, Illinois 60559

Southwest Central Dispatch  
Attention: Director  
7611 W. College Drive  
Palos Heights, Illinois 60463

Village of Downers Grove  
Village Operations Center  
825 Burlington Avenue  
Downers Grove, Illinois 60515

All notices shall be sent certified mail, return receipt requested, or by personal service. Notices given by certified mail shall be deemed given on the third (3<sup>rd</sup>) day following the mailing thereof.

24. This agreement shall be for a term of ten (10) years commencing on July 15, 2002, and shall automatically renew for additional five (5) year terms thereafter, unless sooner terminated by a party or by the parties hereto in accordance with Section 22 above.

IN WITNESS WHEREOF, the parties have set their hands and seals on the dates shown below.

**VILLAGE OF CLARENDON HILLS**  
**June 17, 2002**

**VILLAGE OF DOWNERS GROVE**  
**July 2, 2002**

\_\_\_\_\_  
Robert E. Ryan  
Village President

\_\_\_\_\_  
Brian J. Krajewski  
Mayor

Attest:

Attest:

\_\_\_\_\_  
Dawn Tandle  
Village Clerk

\_\_\_\_\_  
April Holden  
Village Clerk

**VILLAGE OF WESTMONT**  
**June 17, 2002**

\_\_\_\_\_  
William Rahn  
Mayor

Attest:

\_\_\_\_\_  
Virginia Szymiski  
Village Clerk

Quote from United Radio Communications, Inc. Valid for 45 days

**Description:**

Antenna Systems - Finley W.T., Good Sam W.T., Springside W.T. consisting of:

- \* 1 - Water Tower Antenna Mount
- \* 1 - DB222 Exposed Dipole VHF Antenna
- \* 200' - 1/2" Transmission Line w/Connectors
- \* 1 - Cable Support and Mounting Hardware
- \* 50' - Interconnect RF Cable, 400UF w/Connectors
- \* 2 - Transmission Line Grounding Kits
- \* 1 - Antenna Lightning Suppression and Ground Wire
- \* 4 - Antenna Cable ID Tags
- \* Installation and Testing

**Antenna System Cost - \$ 4710.00 per site**

Antenna System - 801 Tower Site consisting of:

- \* 1 - Tower Antenna Mount
- \* 1 - DB222 Exposed Dipole VHF Antenna
- \* 300' - 1/2" Transmission Line w/Connectors
- \* 1 - Cable Support and Mounting Hardware
- \* 50' - Interconnect RF Cable, 400UF w/Connectors
- \* 2 - Transmission Line Grounding Kits
- \* 1 - Antenna Lightning Suppression and Ground Wire
- \* 4 - Antenna Cable ID Tags
- \* Installation and Testing

**Antenna System Cost - \$ 4743.00**

VHF Voting Receiver Equipment - Finley W.T., Good Sam W.T., 801 Tower and Springside W.T. consisting of:

- \* 1 - DX Radio Model RFC-152-VTR, VHF Voting Receiver w/Status Tone and CTCSS
- \* 1 - PS1206 Power Supply
- \* 1 - BBU-5000 Battery Back-Up Option
- \* 1 - PS12550 12V, 55AH Back-up Battery
- \* Telco Line Suppression
- \* Installation and Testing

Voting Receiver Equipment Cost - \$ 4,535.00 per site

801 Site Voting System consisting of:

- \* 1 - JPS SNV-12 Voter Chassis
- \* 4 - JPS SNV-1 Receiver Modules
- \* 1 - DHE-C-RLC Voting Line Board
- \* 1 - Interconnect Cabling, Punchblock and Telco Line Suppression
- \* Installation and Testing as required

**801 Site Voting Cost - \$ 8,637.00**

CH W.T. Voting and Conference System consisting of:

- \* 1 - JPS SNV-12 Voter Chassis
- \* 2 - JPS SNV-1 Receiver Modules
- \* 1 - 4202-00 4 Wire, 6 Port Conference Bridge with Card Shelf and Power Supply
- \* 1 - APC 750VA UPS
- \* Reconfiguration of CHFD MTR2000 for 4 wire Voting operation
- \* AC Power Surge Suppression
- \* Telco Line Surge Suppression
- \* Installation and Testing as required

**CH W.T. Voting and Conference System - \$ 9,801.00**

Project Cost Review

Finley Antenna System -	\$ 4,710.00
Good Sam Antenna System -	\$ 4,710.00
Springside Antenna System -	\$ 4,710.00
801 Antenna System -	\$ 4,743.00
Finley Receiver Equip. -	\$ 4,535.00
Good Sam Receiver Equip. -	\$ 4,535.00
801 Tower Receiver Equip. -	\$ 4,535.00
Springside Receiver Equip. -	\$ 4,535.00
801 Voting System -	\$ 8,637.00
CH W.T. Voting/Conference -	\$ 9,801.00

**Project Total Cost - \$ 55,451.00**

Barry Wilk  
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