
THE VILLAGE OF TINLEY PARK

Cook County, Illinois

Will County, Illinois

RESOLUTION

NO. 2021-R-026

**A RESOLUTION APPROVING A PURCHASE FOR A POLICE DEPARTMENT RADIO
UPGRADE NINE (9) RECEIVER SITES**

**JACOB C. VANDENBERG, PRESIDENT
KRISTIN A. THIRION, VILLAGE CLERK**

**CYNTHIA A. BERG
WILLIAM P. BRADY
WILLIAM A. BRENNAN
DIANE M. GALANTE
MICHAEL W. GLOTZ
MICHAEL G. MUELLER
Board of Trustees**

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A RESOLUTION APPROVING A PURCHASE FOR A POLICE DEPARTMENT RADIO UPGRADE NINE (9) RECEIVER SITES

WHEREAS, the Village of Tinley Park, Cook and Will Counties, Illinois, is a Home Rule Unit pursuant to the Illinois Constitution of 1970; and

WHEREAS, the Corporate Authorities of the Village of Tinley Park, Cook and Will Counties, Illinois, have considered approving a purchase with Modular Communications Systems, a true and correct copy of such purchase being attached hereto and made a part hereof as **EXHIBIT 1**; and

WHEREAS, the Corporate Authorities of the Village of Tinley Park, Cook and Will Counties, Illinois, have determined that it is in the best interests of said Village of Tinley Park that said Contract be entered into by the Village of Tinley Park;

NOW, THEREFORE, Be It Resolved by the President and Board of Trustees of the Village of Tinley Park, Cook and Will Counties, Illinois, as follows:

Section 1: The Preambles hereto are hereby made a part of, and operative provisions of, this Resolution as fully as if completely repeated at length herein.

Section 2: That this President and Board of Trustees of the Village of Tinley Park hereby find that it is in the best interests of the Village of Tinley Park and its residents that the aforesaid "purchase" be entered into and executed by said Village of Tinley Park, with said purchase to be substantially in the form attached hereto and made a part hereof as **EXHIBIT 1**, subject to review and revision as to form by the Village Attorney.

Section 3: That the President and Clerk of the Village of Tinley Park, Cook and Will Counties, Illinois are hereby authorized to execute for and on behalf of said Village of Tinley Park the aforesaid Contract.

Section 4: That this Resolution shall take effect from and after its adoption and approval.

ADOPTED this 13th day of April 2021, by the Corporate Authorities of the Village of Tinley Park on a roll call vote as follows:

AYES: Berg, Brady, Brennan, Galante, Glotz, Mueller

NAYS: None

ABSENT: None

APPROVED this 13th day of April, 2021, by the President of the Village of Tinley Park.



Village President

ATTEST:



Village Clerk

EXHIBIT 1



Modular Communications Systems

Tinley Park Police Department Tait - Radio System Upgrade

March 25, 2021

Mr. John Urbanski, Director
 Tinley Park Public Works Department

Dear Director, Urbanski:

Moducom is pleased to offer our proposal to upgrade the Police Department Radio System to Simulcast staged for migration to P25 Conventional Operation upon replacing the subscriber mobile and portable radios.

As discussed with your consultant, the initial proposal will upgrade all aged receiver sites and add (2) transmitter sites operating as a full simulcast synced radio system to increase portable coverage in the outlying areas of the Village. The areas that will have increased required coverage is the entire North half of the Village as well as the South half primarily around the mall and new industrial project South off 191st and Harlem Ave.

In the future as funding becomes available the current aged subscriber mobile and portables will be replaced with P25 capable radios. When all radios are replaced the system will then migrate to P25 Conventional Operation (digital) in further increase coverage and signal quality.

Item	Description	Qty	Cost
1	Main Transmitter (simulcast) Site	1	\$ 23,796.00
2	North Transmitter (simulcast) Site	1	\$ 23,796.00
3	South Transmitter (simulcast) Site	1	\$ 19,208.00
4	Receiver Sites (1-9)	9	\$ 46,404.00
	Total Equipment		\$ 113,204.00
5	System Installation	1	\$ 48,540.00
	Total System		\$ 161,744.00
6	Future P25 Conventional Upgrade (digital) Equipment		\$ 23,850.00
7	Future P25 Conventional Upgrade Installation		\$ 4,500.00
	Total P25 System Upgrade		\$ 28,350.00

Note 1: The proposal does not include combiners, antennas, feedlines, site work.

Moducom	RACOM/TAIT product quote <i>Tinley Park, IL</i>
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3/23/2021

Qty	Item Code	Description
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Simulcast Site 1

1	TB94355-100T	TB9400 Single 100Watts Chassis Assembly
1	T01-01103-DAAA	TB9400 Reciter 148-174MHz
1	T01-01121-DBBA	TB94 Linear PA 148-174MHz 100Watts
1	TBA30A1-1100	TB9000 Power Management Unit AC with Aux12volts
1	219-01561-00	Cable cord 2m USA/CAD IEC black
1	TBAS061	Central Voter
1	TBAS062	Simulcast Enable
1	TBAS060	Digital Fixed Station Interface (DFSi)
1	FREQ-REF-KIT-ACDC	Frequency Reference Kit - SecureSync Freq. Ref, GPS 8230 Antenna , Antenna Kit

Simulcast Site 2

1	TB94355-100T	TB9400 Single 100Watts Chassis Assembly
1	T01-01103-DAAA	TB9400 Reciter 148-174MHz
1	T01-01121-DBBA	TB94 Linear PA 148-174MHz 100Watts
1	TBA30A1-1100	TB9000 Power Management Unit AC with Aux12volts
1	219-01561-00	Cable cord 2m USA/CAD IEC black
1	TBAS061	Central Voter
1	TBAS062	Simulcast Enable
1	TBAS060	Digital Fixed Station Interface (DFSi)
1	FREQ-REF-KIT-ACDC	Frequency Reference Kit - SecureSync Freq. Ref, GPS 8230 Antenna , Antenna Kit

Simulcast Site 3

1	TB94355-100T	TB9400 Single 100Watts Chassis Assembly
1	T01-01103-DAAA	TB9400 Reciter 148-174MHz
1	T01-01121-DBBA	TB94 Linear PA 148-174MHz 100Watts
1	TBA30A1-1100	TB9000 Power Management Unit AC with Aux12volts
1	219-01561-00	Cable cord 2m USA/CAD IEC black
1	TBAS071	IP Networking Satellite
1	TBAS062	Simulcast Enable
1	FREQ-REF-KIT-ACDC	Frequency Reference Kit - SecureSync Freq. Ref, GPS 8230 Antenna , Antenna Kit

Receiver Sites 1-9

9	TB9444-RX1T	TB9400 Single Receiver x1 Capable Chassis Assembly
9	T01-01104-DAAA	TB94 RxOnly 148-174MHz
9	TBA30A1-1100	TB9000 Power Management Unit AC with Aux12volts
9	219-01561-00	Cable cord 2m USA/CAD IEC black
9	TBAS071-R0	IP Networking Satellite - RxOnly

Optional P25 Conventional Upgrade - Software / Services		
3	TBAS050	P25 Common Air Interface (CAI) - required for Simulcast Sites
3	Daily Service	Upgrade Services / Site Upgrade and Testing

ON-SITE COMMUNICATIONS USA, Inc.

8008 W. 171st Street
 Tinley Park, IL 60477
 Phone: (708) 429-0234 . Fax: (708) 429-9566

QUOTATION

February 25, 2021

Customer Information:

Village of Tinley Park . 16250 S. Oak Park Avenue . Tinley Park, IL 60177
 Attention: Max Machuta . Phone: 708-444-5500 . Fax: 708-444-5299
 mmachuta@aol.com

Quantity	Description	Unit Price	Total Price
SIMOCO Transmit Sites			
1	SB2025NT P25 VHF Repeater with Integral Network Interface & Traffic Manager- 100 Watt 12.5/25 kHz channel spacing - 13.8 DCV	\$ 23,476.63	\$ 23,476.63
2	SB2025NT-N P25 Base Station Repeater 146 - 174 MHz D3 Band 100 Watt DC Powered (13.8V) 12.5 / 25 kHz channel spacing With P25 NI	\$ 20,143.12	\$ 40,286.23
3	GPS Antenna / Receiver	\$ 1,199.52	\$ 3,598.55
3	Cable 10 meter	\$ 313.53	\$ 940.60
3	GPS Antenna / Receiver Mounting Bracket	\$ 65.08	\$ 195.23
3	GPS Straight Cable 1 m	\$ 106.48	\$ 319.44
3	Univerdsal Reference Generator AC (100-240 VAC)	\$ 4,335.51	\$ 13,006.52
SIMOCO Receiver Sites			
9	SR2000 VHF 146 - 174 MHz, Receiver for Solar2 Simulcast, 13.8 VDC	\$ 4,552.58	\$ 40,973.22
9	P25 Network Interface DC Powered (10 – 36 V DC).	\$ 13,170.32	\$ 118,532.90
9	Interconnect Cable Kit - I/O CABLE FORM 3M	\$ 165.00	\$ 1,485.00

9	Connector Kit	\$ 36.40	\$ 329.40
	Services		
1	Web Training Seminar (2 Hours)	\$ 3,500.00	\$ 3,500.00
			Total \$ 246,643.73

Notes:

Quote good for 90 Days!

Also moving forward Simoco engineering would need the following before equipment can be purchased:

- 1. TX & RX locations with Long/Lat details**
- 2. All Tower Heights**
- 3. Current Antenna Model Per Site**
- 4. Type / Model of Cable at Each Site**
- 5. Manufacturer / Model Per Site for Backhaul**

Options Also for Tech Support T&M or Service Contract to be Determined.

This quote is only for equipment only and does not include installation or any labor. Freight is not included in this quote.

Richard T. Maloney, Sales & Service Representative
richmaloney@onsite2way.com
 Mobile 708.259.2958

STATE OF ILLINOIS)
COUNTY OF COOK) SS
COUNTY OF WILL)

CERTIFICATE

I, KRISTIN A. THIRION, Village Clerk of the Village of Tinley Park, Counties of Cook and Will and State of Illinois, DO HEREBY CERTIFY that the foregoing is a true and correct copy of Resolution No. 2021-R-026, “**A RESOLUTION APPROVING A PURCHASE FOR A POLICE DEPARTMENT RADIO UPGRADE NINE (9) RECEIVER SITES,**” which was adopted by the President and Board of Trustees of the Village of Tinley Park on April 13, 2021.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of the Village of Tinley Park this 13th day of April, 2021.



KRISTIN A. THIRION, VILLAGE CLERK