



2023 Public Safety Grant Application

Bid No. BD-23-1068-1068C-1068L-81256

All completed applications must be sent by January 31st to be considered for funding for the 2023 Grant Round. Please submit this completed form as well as any relevant attachments to MGCCMF@Massgaming.gov.

For more detailed instructions as well as the 2023 Application Guidelines please visit <https://massgaming.com/about/community-mitigation-fund/>

I. Project Summary

Legal Name of Applicant: City of Melrose

Project Name (Please limit to 5 words): Melrose Police/Fire Radio Upgrade

Amount Requested: \$200,000

Brief Project Description (approx. 50 words):

Melrose Police and Fire Radio System Upgrade:

Upgrade for both the RF infrastructure and dispatch console equipment.

Dispatch Consoles: 2 operator positions –Motorola AvtecConsole

RF Infrastructure: IP based transmitters, receivers and comparators forming a 2-channel UHF (Police & Fire Radio System), Analog & P25 ASTRO Capable radio system.

Upgrade Antenna Systems. 20-30 Years Old.

Upgrade Subscriber Radios –APX Portable Radios

II. Applicant Contact Information

Please provide below the manager for this grant and any other individuals you would like to be copied on all correspondence.

Grant Manager: Margot Fleischman

Email Address: Mfleischman@cityofmelrose.org

Telephone Number: 781-979-4440

Address: Melrose City Hall 562 Main St Melrose MA 02176

Contact II: Kevin M Faller

Role: Chief of Police

Email Address: kfaller@cityofmelrose.org

Telephone Number: 781-760-2463

Address: 56 W. Foster St Melrose MA 02176
Contact III: N/A
Role:
Email Address:
Telephone Number:
Address:

III. Detailed Project Description & Mitigation
<p>1) Please describe in detail the impact that is attributed to the operation of a gaming facility. Please provide documentation or evidence that gives support for the determination that the operation of the gaming facility caused or is causing the impact (i.e. surveys, data, reports).</p>
<p>Communication amongst first responders and public safety personnel is a vital component when responding to a critical incident, especially one that could involve a mass shooting, major fire, or any other mass casualty incident. Melrose Police and Fire may need to respond per a mutual aid request to the Encore Boston Harbor Resort and Casino (EBH), and we will be faced with over three million square feet of interior property to cover that includes six hundred plus hotel rooms, twenty-seven floors, and over a dozen restaurants/retail shops/night clubs. The current radio system used by Melrose Police and Melrose Fire is outdated and portable radios of police and fire no longer supported. This current system would create a problem communicating with our dispatchers and other police/fire/EMS personnel while inside EBH due to the size, construction type and the major electronics at use every day in the facility. There are also numerous "dead spots" currently within the city of Melrose limiting coverage, specifically along rte. 99 (Broadway) which is a heavily travelled traffic route to the casino coming south off Rte1 through Melrose into Malden and Everett. The Oak Grove Orange Line MBTA station on the Malden/Melrose line is another heavily travelled route for casino patrons. Upgrading the current system to modern supported technology will increase public safety and help ensure clear radio communications between Melrose Police/Fire and any responding agencies to the casino per a mutual aid request for a critical incident.</p>
<p>2) <i>(if applicable)</i> Please explain how this impact was not anticipated in the Applicant's Host or Surrounding Community Agreement.</p>

N/A

3) Please describe what the Applicant is proposing and how the mitigation request will address the impact indicated.

With the awarding of this grant the Melrose Police and Melrose Fire Department will be able to upgrade the current outdated radio system. This upgrade will ensure that any member of the Melrose Police and Melrose Fire Department that responds to a critical incident at the EBH will be able to communicate with each other, the Gaming Enforcement Unit, members of the Everett Police/Fire Department, mutual aid police and fire departments, as well as any local EMS services responding to any emergencies at EBH.

IV. Scope, Budget, and Timeline	
Applicant: City Of Melrose	Vendor Code:
Total Amount Requested: \$893,405.00	Estimated Total Project Cost: \$893,500.00

Scope of Work

Please include below a breakdown of the proposed work. The project scope should be sufficiently detailed to allow the review team to understand the steps required for project completion.

a. The funds will be used immediately once the funds are approved. Cyber Comminc has provided quotes (see attachments) and are ready to begin the work.

Proposed MGC Grant Budget

Please use the following table to outline the budget of your project. Include any requests for proposals, quotes, or estimates that would quantify the costs associated with the mitigation as an attachment. In determining the funding request, please round up to the nearest hundred dollars.

Timeline	Description of Purchase/Work	QTY	Budget
ASAP once grant awarded	Motorola radio System Upgrade		\$893,500.00
	(please see enclosed attachments of 3 separate quotes)		
	TOTAL:		

Funding Source	Description of Purchase/Work	QTY	Budget
In Kind Services	N/A		
Federal	N/A		

State	N/A		
Local Match	N/A		

V. Regional Incentive Award	
Are you applying for a Regional Incentive Award?	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

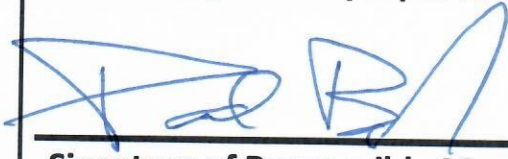
Partner Community Contact-
Name: N/A
Role:
Email Address:
Telephone Number:
Address:

VI. Waiver	
If you are applying for a waiver, please submit the Waiver Form with your application. The form can be found at www.massgaming.com/about/community-mitigation-fund/forms/	
Are you applying for a waiver?	
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

VII. Please provide a brief description of each attachment.
Quotes from CyberCommnic, Motorola Solutions for upgrade of Melrose Police/Fire Radio Systems

VIII. Applicant Certification

On behalf of the aforementioned Applicant/municipality/governmental entity I hereby certify that the funds that are requested in this application will be used solely for the purposes articulated in this Application.



1/30/2023

Signature of Responsible Municipal
Official/Governmental Entity

Date:

Paul Brodeur

(print name)

Mayor

Title:

Interoperable Communications Investment Proposal (ICIP)

Please complete all sections except for *SIEC Review Section*.

The completed ICIP form must be emailed with your grant application to:

Agency Name	Melrose Police Department
Email Address	kfaller@cityofmelrose.org

For equipment purchases, a vendor price quote that includes the equipment make, model and specifications must be submitted with this form. Please identify the quote number(s) or other identification code(s) associated with this proposal in the requesting cell below so the correct quote is tied to the ICIP during review.

Community Name	City Of Melrose		
Project Point of Contact	Kevin Faller		
Phone #	781-760-2463	Email	kfaller@cityofmelrose.org

FFY / Program		Project Costs	\$893,405.17
Project Start Date	TBD (As soon as funding)	Project End Date	TBD
Investment Name	MELROSE POLICE AND FIRE DEPARTMENT RADIO UPGRADE		
Vendor Quote #	1793012, 1785348 (SEE ATTACHED)		

Investment Summary (describe your project)

Melrose Police and Fire Radio System Upgrade:

Upgrade for both the RF infrastructure and dispatch console equipment.

Dispatch Consoles: 2 operator positions –Motorola AvtecConsole

RF Infrastructure: IP based transmitters, receivers and comparators forming a 2-channel UHF (Police & Fire Radio System), Analog & P25 ASTRO Capable radio system.

Upgrade Antenna Systems. 20-30 Years Old.

Upgrade Subscriber Radios –APX Portable Radios

Communications Interoperability Problem Description

Current radio systems are outdated and no longer supported. New system will enhance interoperability and mutual aid channels for both police and fire.

Background Information / Detailed Investment Description

Melrose Fire Radio infrastructure is no longer supported by Motorola as of the end of 2020. We are recommending upgrading all the existing Quantar Repeater and Astrotac Receivers/JPS Voter to G Series Repeaters, Receivers and Comparators.

Currently the Melrose Police and Fire radio system is using Telco circuits to all RF sites except Mount Hood main repeaters. Verizon is no longer supporting FDDA or RNTA circuits. We are recommending upgrading all sites to fiber or Microwave for both Melrose Police and Fire. This will allow the new Motorola repeaters and receivers the IP connections they need.

Expected Outcomes- Describe the communications interoperability gaps that will be addressed

Radio system will be updated, fully supported and provide for clear uninterrupted radio transmissions enhancing public safety.

SCIP Goals- Identify each SCIP goal (check the box) that this investment will support and describe how that support will be accomplished. The current Massachusetts SCIP can be found here: www.mass.gov/doc/massachusetts-statewide-communication-interoperability-plan-scip-2020

Goal	Describe support
Governance	N/A
SOP	Follow existing radio procedures
Technology	Upgraded system to ensure radios are supported. Will remove "dead spots" within the city enhancing public safety
Training & Exercise	Will enhance training exercises between public safety agencies in the city and also during multi jurisdictional events

Ownership - Identify the proposed owners of all assets procured with this investment.

Organization	Asset Description
City Of Melrose Police and Fire	Radio System

Usage Plan - Describe the usage plan for the equipment / project

Daily use for Melrose police and fire departments as well as mutual aid requests for police and fire.

Disciplines- Identify each responder discipline that will enhance its communications interoperability from this investment and describe the interoperability enhancement

Please use the following abbreviations to represent the corresponding discipline: LE - Law Enforcement; EMS - Emergency Medical Services; EMA - Emergency Management Agency; FS - Fire Service; HZ – HAZMAT; PW - Public Works; PH - Public Health; GA – Governmental Administrative; PSC - Public Safety Communications; HC - Health Care; O-Other

Discipline	Enhancement
LE	allow for clear uninterrupted radio transmissions within and across agencies internally and multi jurisdiction
FS	allow for clear uninterrupted radio transmissions within and across agencies internally and multi jurisdiction
PSC	allow for clear uninterrupted radio transmissions within and across agencies internally and multi jurisdiction

Multi-Jurisdictional Interoperability - All investments must provide interoperability between two or more jurisdictions. Identify each jurisdiction that will achieve interoperability from this investment.

Upgraded system will allow for more clear radio transmissions across jurisdictions for police and fire to surrounding communities such as Malden, Saugus, Everett, Wakefield, Stoneham as well as any regional broadcasts such as Metrofire and BAPERIN

Following Section will be completed by SIEC:

REVIEW STATUS	APPROVE	AMEND	DENY
Statewide Interoperability Coordinator (SWIC) Recommendation			
Executive Management Committee (EMC) Recommendation			
Statewide Interoperability Executive Committee (SIEC) Recommendation			
Applicant notified of Recommendation			
SIEC Member Signature / Date			

The attached Special Condition must be signed and submitted with your completed ICIP form. ICIP forms submitted without the signed Special Conditions will not be reviewed.

**MASSACHUSETTS
STATE INTEROPERABILITY EXECUTIVE COMMITTEE (SIEC)**

**Special Conditions for Interoperability and Information
Sharing Grants *Version 2.1 – December 2020***

Radio (RF) Equipment Purchase specifications – All radio equipment purchased, upgraded or programmed from SIEC-approved funding will meet current SAFECOM P25 compliance requirements as published on the Cybersecurity and Infrastructure Security Agency (CISA) grant guidance document page (<https://www.cisa.gov/publication/emergency-communications-grant-guidance-documents>). Additionally, this equipment will comply with the SIEC Guidance Bulletin 20-1: Public Safety Agency Encryption (<https://www.mass.gov/doc/public-safety-encryption-guidance-bulletin>).

Radio (RF) Equipment programming – Compliance with this section is met by programming the full Massachusetts Tactical Channel Plan (MTCP) by appropriate band in all purchased RF equipment.

1. **National Interoperability Channels - Common.** All radios purchased, upgraded, or programmed from SIEC-approved funding must include a minimum channel complement of the National Interoperability Channels respective to the frequency band the radio operates on, (VTAC, UTAC, 8TAC, etc.). All National Interoperability Channels will use the National Public Safety Telecommunications Council (NPSTC) naming conventions.
2. **National Interoperability Channels – Discipline.** All radios purchased, upgraded, or programmed from SIEC-approved funding should include the discipline-specific National Interoperability Channels when room is available in the radio, (VLAW, VFIRE, VMED). All National Interoperability Channels will use the National Public Safety Telecommunications Council (NPSTC) naming conventions.
3. **Statewide Interoperability Channels.** All radios purchased, upgraded, or programmed from SIEC-approved funding must include statewide interoperability channels as identified in the MTCP. These channels will be programmed according to the MOU or guidance in place for the statewide system and participating agency. (Examples include: State Police 800MHz LPS Channels, FAMTRAC, MEMA VHF Channels, etc.)
4. **Regional Interoperability Channels.** All radios purchased, upgraded, or programmed from SIEC-approved funding must include regional interoperability channels as identified in the MTCP. These channels will be programmed according to the MOU or guidance in place for the statewide system and participating agency. (Examples include: BAPERN, WMLEC, Fire District Mutual Aid Channels, etc.)
5. **Cached Radios.** Cached radios purchased, upgraded, or programmed from SIEC-approved funding must include the standard interoperability template as identified in the MTCP.
6. **Radio Reprogramming.** Any reprogramming of existing equipment supported by SIEC-approved funds will follow the conditions above. If a reprogrammed radio does not possess the channel capacity to meet the MTCP programming requirements above, the SIEC will provide additional guidance.

Communications Asset Tracking Requirements

7. **CASM Data-Entry.** All transmitting/receiving RF devices purchased with SIEC-approved funding will be entered into CASM (Communications Asset Survey & Mapping tool) by the region, state agency or organization receiving the award.
8. **CASM Maintenance.** The organization receiving SIEC-approved funding agrees to maintain current and accurate information in CASM for the equipment entered should changes occur.

Training, Exercise and Usage Requirements

9. **Training.** Recipient agrees to report results of the training program identified in the application associated with interoperability awards.
10. **Exercise.** Recipient agrees to report results of the tiered communications requirements for exercises to the SIEC. The SIEC will provide tiered communications requirements for all exercises using voice or data systems supported by SIEC-approved funding.
11. **Usage.** Recipient agrees to track results of the usage plan identified in the application. This information may be requested during monitoring, site visits, or during other SIEC-approved activities.

Additional Requirements

12. **SIEC Policies and Guidance Bulletins.** To the extent applicable and/or practical, the recipient agrees support, to the best of their current ability, any future SIEC policies and guidance bulletins introduced for the furthering of interoperable communications across the Commonwealth.
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Information Sharing Purchase compliance – Information sharing is defined as, “Making information available to participants (people, processes, or systems).” Proposals with an information sharing component must meet the following conditions:

1. **Agreement to contribute data to appropriate Federal and State Systems or Repositories.** Where applicable, grantees will be required to contribute data to Federal and statewide systems or repositories. The following is the list of potential systems and repositories:
 - Massachusetts Criminal Justice Information System (CJIS): (inmate data – state and county)
 - Massachusetts State Police Identification Section: (ten print arrest fingerprint cards and mug shots)
 - Massachusetts Statewide Information Sharing System (SWISS): (police incident data)
 - Massachusetts CopLink: (police and custodial records management systems data)
 - Mass-Gangs: (gang intelligence data)
 - Massachusetts Offense Based Tracking Number (OBTN) system (unique number system for arrests or charges)
 - Massachusetts Ambulance Trip Record Information System (MATRIS) (EMS data collection system required by OEMS)
 - National Fire Incident Reporting System (NFIRS)
 - National Incident Based Reporting System (NIBRS)


Applicants must include in their application (narrative and budget) the costs – that are allowable under the respective grant program - associated with meeting the following five (5) general requirements to contribute data to the applicable system or repository.

1. Assign internal resources and/or hire resources to develop, test, and implement the functional and technical requirements;
2. Procure the required software and hardware;
3. Conduct acceptance testing;
4. Sign-off on acceptance testing; and
5. Assign internal resources and/or hire resources to maintain the technical environment.

Contact the Executive Office of Technology Services and Security (EOTSS) if additional information is required.

2. **National Information Exchange Model (NIEM) Conformance.** Applicants applying for grant funds to develop new data exchanges must commit to developing these exchanges incorporating the NIEM data exchange standards. Applicants must include in the narrative of the grant application a description of how the project will achieve NIEM conformance. For additional information on NIEM, please visit www.niem.gov
3. **Security Policies and Standards.** Applicants will abide by any of the following policies and standards that apply to the project.
 - a. **Commonwealth of Massachusetts Enterprise Information Security (EIS) Policy and Standards.** State agencies or organizations under the Executive Branch must comply with the latest published EIS standards as applicable. These standards may be accessed at <https://www.mass.gov/handbook/enterprise-information-security-policies-and-standards>.
 - b. **Commonwealth of Massachusetts Web Accessibility Standards.** Grant applications that propose to implement Internet or Intranet based web-browser interfaces must conform to the Commonwealth's Web Accessibility Standards. These standards may be accessed at <https://www.mass.gov/guides/web-accessibility-standards>.
 - c. **Security Policies and Standards.** If an information sharing or data exchange project proposes the sharing or exchanging of Criminal Offender Record Information (CORI) data as defined in Massachusetts General Law Chapter 6 Section 168-172, the applicant and all participants within the project must ensure that all systems conform to the standards set forth in the current version of the FBI's *CJIS Security Policy*.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above conditions.

Print Project Name	MELROSE POLICE & FIRE RADIO UPGRADE		
Authorized Signature		Date	January 30, 2023
Print Name	KEVIN M. FALLER		
Print Title	CHIEF OF POLICE		



23

COMMUNITY
MITIGATION
FUND

Appendix D
WAIVER REQUEST FORM
BD-23-1068-1068C-1068L-81256

Any project which proposes to exceed the funding limit for a category or requires a variance from any other provision contained in the Guidelines must submit a waiver request with its application. The Waiver Request Form must set forth the specific provision of the Guidelines to which a waiver or variance is sought and shall state the basis for the proposed waiver or variance. The Waiver should be signed by a municipal official or other government official that has the authority to enter into a contract on behalf of that community or governmental entity.

Name of Applicant:	City Of Melrose		
Project Name:	Melrose Police/Fire Radio Upgrade		
Type of Grant:	Public Safety		
Name and Title of Contact:	Chief Kevin M. Faller		
Email Address:	kfaller@cityofmelrose.org	Telephone:	781-760-2463

Waiver Request:
<p>The City of Melrose respectfully requests a waiver to cover the full cost of the project of \$893,500.00 (The available Public Safety Grant covers \$200,000).</p> <p>As indicated more fully in the separate Public Safety Grant application filed, the radio system currently being used by the Melrose Police and Fire Department is outdated and the portable radios in use are no longer supported. This communications upgrade is essential to maintain public safety and ensure clear and effective first responder communications within and between departments responding to a critical incident at the Encore Boston Harbor Resort and Casino.</p>

Signed by: *Kevin M. Faller*

Title: *Chief of Police*



MELROSE POLICE & FIRE DEPARTMENTS
 56 WEST FOSTER STREET
 MELROSE, MA 02176
 ATTN. CHIEF MIKE LYLE & CHIEF ED COLLINO
 PHONE: (781) 665-1212
 DATE: JULY 12, 2022

MELROSE POLICE AND FIRE RADIO SYSTEM

Cyber Communications, Inc.
 56 Holton Street
 Woburn, MA 01801
 781-647-1010

SALES PERSON: JOHN CONNOLLY

QTY	NOMENCLATURE	MOTOROLA SIMULCAST RADIO SYSTEM	UNIT LIST (DUP)	EXT LIST (DUP)	PSE01 UNIT	PSE01 EXTENDED
		MELROSE POLICE & FIRE & CITY SIMULCAST RADIO SYSTEM				
		MT HOOD SIMULCAST - POLICE & FIRE				
1	THN1012A	7' EQUIPMENT RACK	\$ 1,489.00	\$ 1,489.00	\$ 1,310.32	\$ 1,310.32
4	0784469Y02	CABLE MANAGEMENT	\$ 125.00	\$ 500.00	\$ 110.00	\$ 440.00
1	3182602Y06	VERTICAL GROUND BAR	\$ 98.00	\$ 98.00	\$ 86.24	\$ 86.24
2	2983724Y01	LUG NUTS AND MISCELLANEOUS HARDWARE	\$ 75.00	\$ 150.00	\$ 66.00	\$ 132.00
1	ALPHA UPS	HEAVY DUTY UPS AND BATTERIES FOR TRANSMIT SITE	\$ 4,320.00	\$ 4,320.00	\$ 3,801.60	\$ 3,801.60
1	ARUBA 2930F SW	24G POE +4 SFP SWITCH 24 PORT MANAGABLE	\$ 2,600.00	\$ 2,600.00	\$ 2,288.00	\$ 2,288.00
2	2402-013	MISCELLANEOUS HARDWARE, GROUNDING	\$ 360.00	\$ 700.00	\$ 308.00	\$ 616.00
1	1204-17	OROLA SPECTRACOM SECURESYNC GPS MASTER OSCILLATOR W/AC CORD	\$ 6,383.00	\$ 6,383.00	\$ 5,617.04	\$ 5,617.04
1	8230	OROLA SPECTRACOM OPTION CARD WITH COMPOSITE OUTPUTS	\$ 1,728.00	\$ 1,728.00	\$ 1,520.64	\$ 1,520.64
1	8226	OROLA SPECTRACOM GPS ANTENNA AND BRACKET	\$ 437.00	\$ 437.00	\$ 384.56	\$ 384.56
1		OROLA SPECTRACOM ANTENNA LINE SURGE PROTECTOR	\$ 454.00	\$ 454.00	\$ 399.52	\$ 399.52
		MT HOOD ANTENNA SYSTEM - POLICE & FIRE & CITY				
2	COL 45-490	REI UHF (470-490 MHz) 7dBd OMNIDIRECTIONAL ANTENNA	\$ 1,130.00	\$ 2,260.00	\$ 994.40	\$ 1,988.80
1	COL 45-470	REI UHF (450-470 MHz) 7dBd OMNIDIRECTIONAL ANTENNA	\$ 1,130.00	\$ 1,130.00	\$ 994.40	\$ 994.40
30	L 1705	LDF-50A CABLE: 1/2" LDF HELIAX POL Y JKT PER FOOT	\$ 2.98	\$ 89.40	\$ 2.62	\$ 78.67
3	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE	\$ 28.50	\$ 85.50	\$ 25.08	\$ 75.24
9	TDN8289	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE	\$ 19.00	\$ 171.00	\$ 16.72	\$ 150.48
600	DSAVA550	221213 CABLE WRAP WEATHERPROOFING	\$ 4.35	\$ 2,610.00	\$ 3.83	\$ 2,296.80
6	DSABDFD	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET	\$ 26.25	\$ 157.50	\$ 23.10	\$ 138.60
6	DSSG7812B2U	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE	\$ 25.75	\$ 154.50	\$ 22.66	\$ 135.96
3	LP-BTR-NMS	SG78-12B2U SUREGROUND GROUNDING KIT FOR 7/8 IN COAXIAL CABLE	\$ 89.00	\$ 267.00	\$ 78.32	\$ 234.96
1	ANT WORK	TIMES MICROVAIVE SURGE PROTECTOR			\$ 16,510.00	\$ 16,510.00
		ANTENNA INSTALLATION AT MT HOOD INCLUDES LABOR, MOUNTING HARDWARE - NON-PREVALING WAGE				
		POLICE STATION SIMULCAST - POLICE & FIRE & CITY				
1	ALPHA UPS	HEAVY DUTY UPS AND BATTERIES FOR TRANSMIT SITE	\$ 4,320.00	\$ 4,320.00	\$ 3,801.60	\$ 3,801.60
3	ARUBA 2930F SW	24G POE +4 SFP SWITCH 24 PORT MANAGABLE	\$ 2,600.00	\$ 7,800.00	\$ 2,288.00	\$ 6,864.00
1	MISC	MISCELLANEOUS HARDWARE, GROUNDING	\$ 350.00	\$ 350.00	\$ 308.00	\$ 308.00
1	2402-013	OROLA SPECTRACOM SECURESYNC GPS MASTER OSCILLATOR W/AC CORD	\$ 6,383.00	\$ 6,383.00	\$ 5,617.04	\$ 5,617.04
1	1204-17	OROLA SPECTRACOM OPTION CARD WITH COMPOSITE OUTPUTS	\$ 1,728.00	\$ 1,728.00	\$ 1,520.64	\$ 1,520.64
1	8230	OROLA SPECTRACOM GPS ANTENNA AND BRACKET	\$ 437.00	\$ 437.00	\$ 384.56	\$ 384.56
1	8226	OROLA SPECTRACOM ANTENNA LINE SURGE PROTECTOR	\$ 454.00	\$ 454.00	\$ 399.52	\$ 399.52

MELROSE POLICE AND FIRE RADIO SYSTEM

		POLICE STATION ANTENNA SYSTEM - POLICE & FIRE & CITY										
1	CS4552-0805	RFI HYBRID CONTROL STATION COMBINER - UHF (450-520 MHz) - 8 PORT	\$ 17,480.00	\$ 17,480.00	\$	\$ 15,382.40	\$	15,382.40	\$	15,382.40		
2	ANT480F2	TELEWAVE ANT480F2 UHF (450-512 MHz) 2.5 DB ANTENNA	\$ 987.00	\$ 1,974.00	\$	908.04	\$	908.04	\$	1,816.08		
1	COL45-470	RFI UHF (450-470 MHz) 7dbd OMNIDIRECTIONAL ANTENNA	\$ 1,130.00	\$ 1,130.00	\$	994.40	\$	994.40	\$	994.40		
300	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT	\$ 2.98	\$ 894.00	\$	2.62	\$	2.62	\$	786.72		
6	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE	\$ 28.50	\$ 171.00	\$	25.08	\$	25.08	\$	150.48		
12	TDN9289	221213 CABLE WRAP WEATHERPROOFING	\$ 19.00	\$ 228.00	\$	16.72	\$	16.72	\$	200.64		
1	ANT WORK	ANTENNA INSTALLATION AT PHDQ INCLUDES LABOR, MOUNTING HARDWARE - NON-PREVAILING WAGE				7,230.00	\$	7,230.00	\$	7,230.00		
		FIRE STATION SIMULCAST - POLICE & FIRE & CITY										
1	THN1012A	7 EQUIPMENT RACK	\$ 1,489.00	\$ 1,489.00	\$	1,310.32	\$	1,310.32	\$	1,310.32		
4	0784469Y02	CABLE MANAGEMENT	\$ 125.00	\$ 500.00	\$	110.00	\$	110.00	\$	440.00		
1	3182602Y06	VERTICAL GROUND BAR	\$ 98.00	\$ 98.00	\$	86.24	\$	86.24	\$	86.24		
2	2983724Y01	LUG NUTS AND MISCELLANEOUS HARDWARE	\$ 75.00	\$ 150.00	\$	66.00	\$	66.00	\$	132.00		
1	ALPHA UPS	HEAVY DUTY UPS AND BATTERIES FOR TRANSMIT SITE	\$ 4,320.00	\$ 4,320.00	\$	3,801.60	\$	3,801.60	\$	3,801.60		
1	ARUBA 2930F SW	24G POE +4 SFP SWITCH 24 PORT MANAGABLE	\$ 2,600.00	\$ 2,600.00	\$	2,288.00	\$	2,288.00	\$	2,288.00		
1	MISC	MISCELLANEOUS HARDWARE, GROUNDING	\$ 350.00	\$ 350.00	\$	308.00	\$	308.00	\$	308.00		
1	2402-013	OROLIA SPECTRACOM SECURESYNC GPS MASTER OSCILLATOR W/AC CORD	\$ 6,383.00	\$ 6,383.00	\$	5,617.04	\$	5,617.04	\$	5,617.04		
1	1204-17	OROLIA SPECTRACOM OPTION CARD WITH COMPOSITE OUTPUTS	\$ 1,728.00	\$ 1,728.00	\$	1,520.64	\$	1,520.64	\$	1,520.64		
1	8230	OROLIA SPECTRACOM GPS ANTENNA AND BRACKET	\$ 437.00	\$ 437.00	\$	384.56	\$	384.56	\$	384.56		
1	8226	OROLIA SPECTRACOM ANTENNA LINE SURGE PROTECTOR	\$ 454.00	\$ 454.00	\$	399.52	\$	399.52	\$	399.52		
1	CS4552-0805	RFI HYBRID CONTROL STATION COMBINER - UHF (450-520 MHz) - 8 PORT	\$ 17,480.00	\$ 17,480.00	\$	15,382.40	\$	15,382.40	\$	15,382.40		
		FIRE STATION ANTENNA SYSTEM										
3	COL45-490	RFI UHF (470-490 MHz) 7dbd OMNIDIRECTIONAL ANTENNA	\$ 1,130.00	\$ 3,390.00	\$	994.40	\$	994.40	\$	2,983.20		
40	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT	\$ 2.98	\$ 119.20	\$	2.77	\$	2.77	\$	110.86		
4	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE	\$ 28.50	\$ 114.00	\$	26.51	\$	26.51	\$	106.02		
12	TDN9289	221213 CABLE WRAP WEATHERPROOFING	\$ 19.00	\$ 228.00	\$	16.72	\$	16.72	\$	200.64		
400	DSAVA650	AV45-60, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET	\$ 4.35	\$ 1,740.00	\$	3.83	\$	3.83	\$	1,531.20		
8	DSASDFD	D-CLASS 7-16 DIN FEMALE FOR AV45-50 CABLE	\$ 26.25	\$ 210.00	\$	23.10	\$	23.10	\$	184.80		
8	DSSG7812B2U	SG78-12B2U SUREGROUND GROUNDING KIT FOR 7/8 IN COAXIAL CABLE	\$ 25.75	\$ 206.00	\$	22.66	\$	22.66	\$	181.28		
4	LP-BTR-NMS	TIMES MICROWAVE SURGE PROTECTOR	\$ 89.00	\$ 356.00	\$	78.32	\$	78.32	\$	313.28		
1	ANT WORK	ANTENNA INSTALLATION AT FDHQ INCLUDES LABOR, MOUNTING HARDWARE - NON-PREVAILING WAGE				15,120.00	\$	15,120.00	\$	15,120.00		
1	ALPHA UPS	STEEL HOUSE RECEIVE SITE - POLICE & FIRE & CITY HEAVY DUTY UPS AND BATTERIES FOR RECEIVER SITE	\$ 4,320.00	\$ 4,320.00	\$	3,801.60	\$	3,801.60	\$	3,801.60		
1		MISCELLANEOUS HARDWARE, GROUNDING	\$ 350.00	\$ 350.00	\$	308.00	\$	308.00	\$	308.00		
1	ARUBA 2930F SW	24G POE +4 SFP SWITCH 24 PORT MANAGABLE	\$ 2,600.00	\$ 2,600.00	\$	2,288.00	\$	2,288.00	\$	2,288.00		
		STEEL HOUSE ANTENNA SYSTEM										
1	COL45-490	RFI UHF (470-490 MHz) 7dbd OMNIDIRECTIONAL ANTENNA	\$ 1,130.00	\$ 1,130.00	\$	994.40	\$	994.40	\$	994.40		
10	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT	\$ 2.98	\$ 29.80	\$	2.77	\$	2.77	\$	27.71		
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE	\$ 28.50	\$ 28.50	\$	26.51	\$	26.51	\$	26.51		
3	TDN9289	221213 CABLE WRAP WEATHERPROOFING	\$ 19.00	\$ 57.00	\$	16.72	\$	16.72	\$	50.16		
50	DSAVA650	AV45-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET	\$ 4.35	\$ 217.50	\$	3.83	\$	3.83	\$	191.40		
2	DSASDFD	D-CLASS 7-16 DIN FEMALE FOR AV45-50 CABLE	\$ 26.25	\$ 52.50	\$	23.10	\$	23.10	\$	46.20		
2	DSSG7812B2U	SG78-12B2U SUREGROUND GROUNDING KIT FOR 7/8 IN COAXIAL CABLE	\$ 25.75	\$ 51.50	\$	22.66	\$	22.66	\$	45.32		

MELROSE POLICE AND FIRE RADIO SYSTEM

2	LP-BTR-NMS ANT WORK	TIMES MICROWAVE SURGE PROTECTOR ANTENNA INSTALLATION AT STEELE HOUSE INCLUDES LABOR, MOUNTING HARDWARE - NON-PREVALING WAGE	\$ 89.00	\$ 178.00	\$ 78.32	\$ 156.64
1	ALPHA UPS	LINCOLN SCHOOL RECEIVE SITE - POLICE & FIRE & CITY HEAVY DUTY UPS AND BATTERIES FOR RECEIVER SITE MISCELLANEOUS HARDWARE, GROUNDING	\$ 4,320.00 \$ 360.00	\$ 12,960.00 \$ 360.00	\$ 3,801.60 \$ 308.00	\$ 11,404.80 \$ 308.00
1	ARUBA 2930F SW	24G POE +4 SFP SWITCH 24 PORT MANAGABLE LINCOLN SCHOOL ANTENNA SYSTEM	\$ 2,600.00	\$ 2,600.00	\$ 2,288.00	\$ 2,288.00
1	COL45-490 L1705	RFI UHF (470-490 MHz) 78Bd OMNIDIRECTIONAL ANTENNA LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT	\$ 1,130.00 \$ 2.98	\$ 1,130.00 \$ 29.80	\$ 994.40 \$ 2.77	\$ 994.40 \$ 27.71
10	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE	\$ 28.50	\$ 28.50	\$ 26.51	\$ 26.51
1	TDN9289	221213 CABLE WRAP WEATHERPROOFING	\$ 19.00	\$ 57.00	\$ 16.72	\$ 50.16
3	DSAVA550	AV45-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET	\$ 4.35	\$ 652.50	\$ 3.83	\$ 574.20
150	DSASDFD	D-CLASS 7-16 DIN FEMALE FOR AV45-50 CABLE	\$ 26.25	\$ 52.50	\$ 23.10	\$ 46.20
2	DSSG7812B2U	SG78-12B2U SUREGROUND GROUNDING KIT FOR 7/8 IN COAXIAL CABLE	\$ 25.75	\$ 51.50	\$ 22.66	\$ 45.32
2	LP-BTR-NMS	TIMES MICROWAVE SURGE PROTECTOR	\$ 89.00	\$ 178.00	\$ 78.32	\$ 156.64
1	ANT WORK	ANTENNA INSTALLATION AT LINCOLN SCHOOL INCLUDES LABOR, MOUNTING HARDWARE - NON-PREVALING WAGE			\$ 16,680.00	\$ 16,680.00
		MELROSEWAKEFIELD HOSPITAL RECEIVE SITE - POLICE & FIRE & CITY				
1	ALPHA UPS	HEAVY DUTY UPS AND BATTERIES FOR RECEIVER SITE	\$ 4,320.00	\$ 4,320.00	\$ 3,801.60	\$ 3,801.60
1	ARUBA 2930F SW	MISCELLANEOUS HARDWARE, GROUNDING 24G POE +4 SFP SWITCH 24 PORT MANAGABLE 7" EQUIPMENT RACK	\$ 350.00 \$ 2,600.00 \$ 1,489.00	\$ 350.00 \$ 2,600.00 \$ 1,489.00	\$ 308.00 \$ 2,288.00 \$ 1,310.32	\$ 308.00 \$ 2,288.00 \$ 1,310.32
1	0784469Y02	CABLE MANAGEMENT	\$ 125.00	\$ 500.00	\$ 110.00	\$ 440.00
4	3182602Y06	VERTICAL GROUND BAR	\$ 98.00	\$ 98.00	\$ 86.24	\$ 86.24
1	2983724Y01	LUG NUTS AND MISCELLANEOUS HARDWARE	\$ 75.00	\$ 150.00	\$ 66.00	\$ 132.00
2		MELROSEWAKEFIELD HOSPITAL ANTENNA SYSTEM				
1	COL45-490 L1705	RFI UHF (470-490 MHz) 78Bd OMNIDIRECTIONAL ANTENNA LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT	\$ 1,130.00 \$ 2.98	\$ 1,130.00 \$ 29.80	\$ 994.40 \$ 2.77	\$ 994.40 \$ 27.71
10	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE	\$ 28.50	\$ 28.50	\$ 26.51	\$ 26.51
1	TDN9289	221213 CABLE WRAP WEATHERPROOFING	\$ 19.00	\$ 57.00	\$ 16.72	\$ 50.16
3	DSAVA550	AV45-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET	\$ 4.35	\$ 652.50	\$ 3.83	\$ 574.20
150	DSASDFD	D-CLASS 7-16 DIN FEMALE FOR AV45-50 CABLE	\$ 26.25	\$ 52.50	\$ 23.10	\$ 46.20
2	DSSG7812B2U	SG78-12B2U SUREGROUND GROUNDING KIT FOR 7/8 IN COAXIAL CABLE	\$ 25.75	\$ 51.50	\$ 22.66	\$ 45.32
2	LP-BTR-NMS	TIMES MICROWAVE SURGE PROTECTOR	\$ 89.00	\$ 178.00	\$ 78.32	\$ 156.64
1	ANT WORK	ANTENNA INSTALLATION AT M/W HOSPITAL INCLUDES LABOR, MOUNTING HARDWARE - NON-PREVALING WAGE			\$ 11,095.00	\$ 11,095.00
		ROOSEVELT SCHOOL RECEIVE SITE - POLICE & FIRE & CITY				
1	ALPHA UPS	HEAVY DUTY UPS AND BATTERIES FOR RECEIVER SITE	\$ 4,320.00	\$ 4,320.00	\$ 3,801.60	\$ 3,801.60
1	ARUBA 2930F SW	MISCELLANEOUS HARDWARE, GROUNDING 24G POE +4 SFP SWITCH 24 PORT MANAGABLE	\$ 350.00 \$ 2,600.00	\$ 350.00 \$ 2,600.00	\$ 308.00 \$ 2,288.00	\$ 308.00 \$ 2,288.00
1	COL45-490 L1705	RFI UHF (470-490 MHz) 78Bd OMNIDIRECTIONAL ANTENNA LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT	\$ 1,130.00 \$ 2.98	\$ 1,130.00 \$ 29.80	\$ 994.40 \$ 2.77	\$ 994.40 \$ 27.71
10	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE	\$ 28.50	\$ 28.50	\$ 26.51	\$ 26.51

MELROSE POLICE AND FIRE RADIO SYSTEM

3	TDN9289	221213 CABLE WRAP WEATHERPROOFING	\$	19.00	\$	57.00	\$	16.72	\$	50.16
150	DSAVA550	AVAS-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET	\$	4.35	\$	652.50	\$	3.83	\$	574.20
2	DSASDFD	D-CLASS 7-16 DIN FEMALE FOR AVAS-50 CABLE	\$	26.25	\$	52.50	\$	23.10	\$	46.20
2	DSSG7812B2U	SG78-12B2U SUREGROUND GROUNDING KIT FOR 7/8 IN COAXIAL CABLE	\$	25.75	\$	51.50	\$	22.66	\$	45.32
2	LP-BTR-NMS	TIMES MICROWAVE SURGE PROTECTOR	\$	89.00	\$	178.00	\$	78.32	\$	156.64
1	ANT WORK	ANTENNA INSTALLATION AT ROOSEVELT SCHOOL INCLUDES LABOR, MOUNTING	\$		\$		\$	12,660.00	\$	12,660.00
		HARDWARE - NON-PREVALING WAGE								
		FULLER HOUSE RECEIVE SITE - POLICE & FIRE & CITY								
1	ALPHA UPS	HEAVY DUTY UPS AND BATTERIES FOR RECEIVER SITE	\$	4,320.00	\$	4,320.00	\$	3,801.60	\$	3,801.60
1		MISCELLANEOUS HARDWARE, GROUNDING	\$	350.00	\$	350.00	\$	308.00	\$	308.00
1	ARUBA 2930F SW	24G POE +4 SFP SWITCH 24 PORT MANAGABLE	\$	2,600.00	\$	2,600.00	\$	2,288.00	\$	2,288.00
		FULLER HOUSE ANTENNA SYSTEM								
1	COL45-490	RF1 UHF (470-490 MHz) 7dbd OMNIDIRECTIONAL ANTENNA	\$	1,130.00	\$	1,130.00	\$	994.40	\$	994.40
10	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POL Y JKT PER FOOT	\$	2.98	\$	29.80	\$	2.77	\$	27.71
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE	\$	28.50	\$	28.50	\$	26.51	\$	26.51
3	TDN9289	221213 CABLE WRAP WEATHERPROOFING	\$	19.00	\$	57.00	\$	16.72	\$	50.16
150	DSAVA550	AVAS-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET	\$	4.35	\$	652.50	\$	3.83	\$	574.20
2	DSASDFD	D-CLASS 7-16 DIN FEMALE FOR AVAS-50 CABLE	\$	26.25	\$	52.50	\$	23.10	\$	46.20
2	DSSG7812B2U	SG78-12B2U SUREGROUND GROUNDING KIT FOR 7/8 IN COAXIAL CABLE	\$	25.75	\$	51.50	\$	22.66	\$	45.32
2	LP-BTR-NMS	TIMES MICROWAVE SURGE PROTECTOR	\$	89.00	\$	178.00	\$	78.32	\$	156.64
1	ANT WORK	ANTENNA INSTALLATION AT PDHQ INCLUDES LABOR, MOUNTING	\$		\$		\$	7,570.00	\$	7,570.00
		HARDWARE - NON-PREVALING WAGE								
		2 WASHINGTON ST RECEIVE SITE - POLICE & FIRE & CITY								
1	ALPHA UPS	HEAVY DUTY UPS AND BATTERIES FOR RECEIVER SITE	\$	4,320.00	\$	4,320.00	\$	3,801.60	\$	3,801.60
1		MISCELLANEOUS HARDWARE, GROUNDING	\$	350.00	\$	350.00	\$	308.00	\$	308.00
1	ARUBA 2930F SW	24G POE +4 SFP SWITCH 24 PORT MANAGABLE	\$	2,600.00	\$	2,600.00	\$	2,288.00	\$	2,288.00
		2 WASHINGTON ST ANTENNA SYSTEM								
1	COL45-490	RF1 UHF (470-490 MHz) 7dbd OMNIDIRECTIONAL ANTENNA	\$	1,130.00	\$	1,130.00	\$	994.40	\$	994.40
10	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POL Y JKT PER FOOT	\$	2.98	\$	29.80	\$	2.77	\$	27.71
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE	\$	28.50	\$	28.50	\$	26.51	\$	26.51
3	TDN9289	221213 CABLE WRAP WEATHERPROOFING	\$	19.00	\$	57.00	\$	16.72	\$	50.16
150	DSAVA550	AVAS-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET	\$	4.35	\$	652.50	\$	3.83	\$	574.20
2	DSASDFD	D-CLASS 7-16 DIN FEMALE FOR AVAS-50 CABLE	\$	26.25	\$	52.50	\$	23.10	\$	46.20
2	DSSG7812B2U	SG78-12B2U SUREGROUND GROUNDING KIT FOR 7/8 IN COAXIAL CABLE	\$	25.75	\$	51.50	\$	22.66	\$	45.32
2	LP-BTR-NMS	TIMES MICROWAVE SURGE PROTECTOR	\$	89.00	\$	178.00	\$	78.32	\$	156.64
1	ANT WORK	ANTENNA INSTALLATION AT PDHQ INCLUDES LABOR, MOUNTING	\$		\$		\$	17,100.00	\$	17,100.00
		HARDWARE - NON-PREVALING WAGE								
		EQUIPMENT TOTAL						PSE01		\$ 269,023.90
		MOTOROLA SYSTEM TECH SUPPORT								\$ 8,860.00
		FCC PD LICENSE APPLICATION PREPARATION AND COORDINATION FEES								\$ 3,800.00
		CYBER STAGING AND INSTALLATION - NON-PREVALING WAGE								\$ 28,600.00
		BUDGETARY TOTAL						PSE01 TOTAL		\$ 310,283.90



Quote Number: QUOTE-1793012



Billing Address:
 MELROSE POLICE DEPT, CITY OF
 56 W FOSTER ST
 MELROSE MA, 02176

Quote Date: 2022-06-20
Expiration Date: 2022-09-18

Quote Created By:
 John Connolly
 jconnolly@cybercomminc.com

Customer: MELROSE POLICE DEPT, CITY OF

Currency: USD

Contact Name: Chief Mike Lyle

Contact Email: mlyle@cityofmelrose.org

Contact Phone: 781-665-1212

Terms and Conditions: PSE01 / NET 45 DAYS

Line #	Item Number	Description	Quantity	Unit List Price	Ext. List Price	Discount %	Discount \$	Unit Sale Price	Ext. Sale Price
1	GTR 8000 Base Radio	MELROSE POLICE REPEATER - MT HOOD							
	T7039A	GTR 8000 BASE RADIO.	1	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00
1a	CA01253AA	INC: BR PRESELECTOR UHF 435-470 MHZ.	1	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00
1b	CA01130AA	INC: GTR UHF DUPLER 435-470 MHZ.	1	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00
1c	CA01948AA	ADD: DIGITAL CONVENTIONAL SOFTWARE.	1	\$14,600.00	\$14,600.00	19.00%	\$2,774.00	\$11,826.00	\$11,826.00
1d	CA01502AA	ADD: ASTRO 25 CONV SIMULCAST SW.	1	\$1,000.00	\$1,000.00	19.00%	\$190.00	\$810.00	\$810.00
1e	CA03678AA	ADD: ASTRO SYSTEM RELEASE 2021.1.	1	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00
1f	X265AP	ADD: BR PRESELECTOR 380-512 MHZ.	1	\$500.00	\$500.00	19.00%	\$95.00	\$405.00	\$405.00
1g	X182BZ	ADD: DUPLER, UHF.	1	\$1,380.00	\$1,380.00	19.00%	\$262.20	\$1,117.80	\$1,117.80
1h	X640AL	ADD: UHF R2 (435-524 MHZ).	1	\$6,300.00	\$6,300.00	19.00%	\$1,197.00	\$5,103.00	\$5,103.00
1i	CA02447AA	ADD: G-SERIES INDOOR CABINET 24RU.	1	\$1,600.00	\$1,600.00	19.00%	\$304.00	\$1,296.00	\$1,296.00
	GTR 8000 Base Radio	MELROSE FIRE REPEATER - MT HOOD							
2	T7039A	GTR 8000 BASE RADIO.	1	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00
2a	CA01254AA	INC: BR PRESELECTOR UHF 470-512 MHZ.	1	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00
2b	CA01948AA	ADD: DIGITAL CONVENTIONAL SOFTWARE.	1	\$14,600.00	\$14,600.00	19.00%	\$2,774.00	\$11,826.00	\$11,826.00
2c	CA01502AA	ADD: ASTRO 25 CONV SIMULCAST SW.	1	\$1,000.00	\$1,000.00	19.00%	\$190.00	\$810.00	\$810.00
2d	CA03678AA	ADD: ASTRO SYSTEM RELEASE 2021.1.	1	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00
2e	X265AP	ADD: BR PRESELECTOR 380-512 MHZ.	1	\$500.00	\$500.00	19.00%	\$95.00	\$405.00	\$405.00
2f	CA01120AA	INC: GTR UHF DUPLER 470-494 MHZ.	1	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00
2g	X153AW	ADD: RACK MOUNT HARDWARE.	1	\$50.00	\$50.00	19.00%	\$9.50	\$40.50	\$40.50
2h	X182BZ	ADD: DUPLER, UHF.	1	\$1,380.00	\$1,380.00	19.00%	\$262.20	\$1,117.80	\$1,117.80
2i	X640AL	ADD: UHF R2 (435-524 MHZ).	1	\$6,300.00	\$6,300.00	19.00%	\$1,197.00	\$5,103.00	\$5,103.00

12c	CA01598AB	ADD: AC LINE CORD US.	5	\$0.00	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00
12d	GA05507AA	DEL: DELETE 7/800MHZ BAND.	5	-\$800.00	-\$4,000.00	-\$200.00	25.00%	-\$200.00	-\$600.00	-\$3,000.00
12e	GA05508AA	DEL: DELETE VHF BAND.	5	-\$800.00	-\$4,000.00	-\$200.00	25.00%	-\$200.00	-\$600.00	-\$3,000.00
12f	G78AR	ADD: 3Y ESSENTIAL SERVICE.	5	\$176.00	\$880.00	\$0.00	0.00%	\$0.00	\$176.00	\$880.00
12g	L999AG	ADD: FULL FP W/ES/KEYPAD/CLOCK/VU.	5	\$868.00	\$4,340.00	\$217.00	25.00%	\$217.00	\$651.00	\$3,255.00
12h	G843AH	ADD: AES ENCRYPTION AND ADP.	5	\$523.00	\$2,615.00	\$130.75	25.00%	\$130.75	\$392.25	\$1,961.25
12i	G806BL	ENH: ASTRO DIGITAL CAI OP APX.	5	\$567.00	\$2,835.00	\$141.75	25.00%	\$141.75	\$425.25	\$2,126.25
12j	W969BG	ADD: MULTIKEY OPERATION.	5	\$363.00	\$1,815.00	\$90.75	25.00%	\$90.75	\$272.25	\$1,361.25
13	HNN6233C	APX CONSOLETTTE RACK MOUNT KIT.	5	\$200.00	\$1,000.00	\$50.00	25.00%	\$50.00	\$150.00	\$750.00
	APX™ 6500 / Enh Series	DISPATCH EMERGENCY RADIO								
14	M25SS9PW1AN	APX6500 UHF R2 MID POWER MOBILE.	1	\$2,896.00	\$2,896.00	\$724.00	25.00%	\$724.00	\$2,172.00	\$2,172.00
14a	G806BE	ADD: ASTRO DIGITAL CAI OPERATION.	1	\$567.00	\$567.00	\$141.75	25.00%	\$141.75	\$425.25	\$425.25
14b	GA00235AA	ADD: NO GPS ANTENNA NEEDED APX.	1	\$0.00	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00
14c	G48BD	ENH: CONVENTIONAL OPERATION APX6500.	1	\$550.00	\$550.00	\$137.50	25.00%	\$137.50	\$412.50	\$412.50
14d	G628AC	ADD: REMOTE MOUNT CABLE 17 FT APX.	2	\$17.00	\$34.00	\$4.25	25.00%	\$4.25	\$12.75	\$25.50
14e	G142AD	ADD: NO SPEAKER APX.	2	\$0.00	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00
14f	G78AT	ENH: 3 YEAR ESSENTIAL SVC.	1	\$176.00	\$176.00	\$0.00	0.00%	\$0.00	\$176.00	\$176.00
14g	G67BZ	ADD: REMOTE MOUNT 02 CH MID POWER.	1	\$327.00	\$327.00	\$81.75	25.00%	\$81.75	\$245.25	\$245.25
14h	G843AH	ADD: AES ENCRYPTION AND ADP.	1	\$523.00	\$523.00	\$130.75	25.00%	\$130.75	\$392.25	\$392.25
14i	GA00092AL	ADD: APX DUAL-CONTROL HARDWARE (O2 GREY).	1	\$627.00	\$627.00	\$156.75	25.00%	\$156.75	\$470.25	\$470.25
14j	GA00804AA	ADD: APX O2 CH (GREY).	1	\$541.00	\$541.00	\$135.25	25.00%	\$135.25	\$405.75	\$405.75
14k	G89AC	ADD: NO RF ANTENNA NEEDED.	1	\$0.00	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00
14l	G444AE	ADD: APX CONTROL HEAD SOFTWARE.	1	\$0.00	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	\$0.00
14m	W22BA	ADD: STD PALM MICROPHONE APX.	2	\$79.00	\$158.00	\$19.75	25.00%	\$19.75	\$59.25	\$118.50
14n	W969BG	ADD: MULTIKEY OPERATION.	1	\$363.00	\$363.00	\$90.75	25.00%	\$90.75	\$272.25	\$272.25
15	HPN4007D	POWER SUPPLY 14V 15A UNI 110/240 VAC US PLUG.	1	\$319.68	\$319.68	\$99.10	31.00%	\$99.10	\$220.58	\$220.58

Net Total \$293,289.28
Estimated Tax \$0.00
Estimated Freight \$0.00
Grand Total \$293,289.28



MELROSE FIRE DEPT, CITY OF

06/13/2022

06/13/2022

MELROSE FIRE DEPT, CITY OF
576 MAIN ST
MELROSE, MA 02176

Dear Kevin Walsh ,

Motorola Solutions is pleased to present MELROSE FIRE DEPT, CITY OF 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 MELROSE FIRE DEPT, CITY OF with the best products and services available in the communications industry. Please direct any questions to John Connolly at jconnolly@cybercomminc.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,

John Connolly

Motorola Solutions Manufacturer's Representative

Billing Address:
 MELROSE FIRE DEPT, CITY OF
 576 MAIN ST
 MELROSE, MA 02176
 US

Quote Date:06/13/2022
 Expiration Date:09/11/2022
 Quote Created By:
 John Connolly
 jconnolly@cybercomminc.com

End Customer:
 MELROSE FIRE DEPT, CITY OF
 Kevin Walsh
 kwalsh@cityofmelrose.org
 781-979-4154

Contract: 22564 - ITT57 MA STATE

Line #	Item Number	Description	Qty	List Price	Sale Price	Ext. Sale Price
	APX™ 6000 Series	APX6000 XE				
1	H98SDF9PW6BN	APX6000 UHF R2 MODEL 2.5 PORTABLE	45	\$3,595.00	\$2,696.25	\$121,331.25
1a	H869BZ	ENH: MULTIKEY	45	\$363.00	\$272.25	\$12,251.25
1b	Q445AG	ADD: APX PERSONNEL ACCOUNTABILITY	45	\$165.00	\$123.75	\$5,568.75
1c	QA02006AA	ENH: APX6000XE RUGGED RADIO	45	\$880.00	\$660.00	\$29,700.00
1d	Q58AL	ADD: 3Y ESSENTIAL SERVICE	45	\$121.00	\$121.00	\$5,445.00
1e	QA09001AB	ADD: WIFI CAPABILITY	45	\$330.00	\$247.50	\$11,137.50
1f	H35BU	ADD: CONVENTIONAL OPERATION	45	\$550.00	\$412.50	\$18,562.50
1g	QA01427AB	ALT: IMPACT GREEN HOUSING	45	\$28.00	\$21.00	\$945.00
1h	Q806BM	ADD: ASTRO DIGITAL CAI OPERATION	45	\$567.00	\$425.25	\$19,136.25
1i	Q629AK	ENH: AES ENCRYPTION AND ADP	45	\$523.00	\$392.25	\$17,651.25
2	LSV00Q00202A	DEVICE PROGRAMMING	45	\$71.43	\$71.43	\$3,214.35
3	LSV00Q00203A	DEVICE INSTALLATION	45	\$64.29	\$64.29	\$2,893.05



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	Sale Price	Ext. Sale Price
4	PMNN4547A	BATT IMPRES 2 LIION TIA4950 R IP68 3100T	45	\$203.00	\$140.07	\$6,303.15
5	NNTN8863A	CHARGER, SINGLE-UNIT, IMPRES 2, 3A, 100-240VAC, US/NA PLUG	6	\$169.56	\$117.00	\$702.00
6	AY000222A01	CARRY ACCESSORY- CASE,APX7000 FIRE	45	\$60.48	\$41.73	\$1,877.85
7	PMMN4106D	AUDIO ACCESSORY- REMOTE SPEAKER MICROPHONE,AUDIO ACCESSORY-AUDIO ADAPTER,APX XE500 REMOTE SPEAKER MIC, HIGH IMPACT GREEN	45	\$665.28	\$459.04	\$20,656.80
8	AY000223A01	CARRY ACCESSORY- STRAP,WITH BUTTON BACK HOLDER	45	\$54.00	\$37.26	\$1,676.70
9	NNTN8844A	CHARGER, MULTI-UNIT, IMPRES 2, 6-DISP, NA/LA- PLUG, ACC USB CHGR	11	\$1,420.20	\$979.94	\$10,779.34

Grand Total

\$289,831.99(USD)



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