

**CITY OF MIRAMAR
PROPOSED CITY COMMISSION AGENDA ITEM**

Meeting Date: September 29, 2021

Presenter's Name and Title: Leonard Burgess, Interim Chief of Police, on behalf of the Police Department

Prepared By: Kim Morrow-Lopez, Accreditation and Programs Manager

Temp. Reso. Number: 7477

Item Description: Temp. Reso. No. 7477, authorizing the expenditure of \$150,689 for a **Bi-Directional Antenna System** to ensure emergency radio communications with dispatchers by boosting radio signal within the **Miramar Police Department Headquarters**.
(Interim Police Chief Leonard Burgess)

Consent ☒ Resolution ☐ Ordinance ☐ Quasi-Judicial ☐ Public Hearing ☐

Instructions for the Office of the City Clerk: none

Public Notice – As required by the Sec. ____ of the City Code and/or Sec. ____, Florida Statutes, public notice for this item was provided as follows: on _____ in a _____ ad in the _____; by the posting the property on _____ and/or by sending mailed notice to property owners within ____ feet of the property on _____
(fill in all that apply)

Special Voting Requirement – As required by Sec. _____, of the City Code and/or Sec. _____, Florida Statutes, approval of this item requires a _____ (unanimous, 4/5ths etc.) vote by the City Commission.

Fiscal Impact: Yes ☒ No ☐

REMARKS: Funding in the amount of \$150,689 is budgeted in the Police Department Radio Equipment GL Account # 001-20-201-521-000-606450.




Content:

- **Agenda Item Memo from the City Manager to City Commission**
- **Resolution TR7477**
- **Attachment(s)**
 - **Attachment 1: Proposal BDA Miramar**



**CITY OF MIRAMAR
INTEROFFICE MEMORANDUM**

TO: Mayor, Vice Mayor, & City Commissioners

FROM:  Vernon E. Hargray, City Manager  & 

BY: Leonard Burgess, Interim Chief of Police

DATE: September 23, 2021

RE: Temp. Reso.7477, Authorizing the expenditure of \$150,689 for the installation of a Digital Radio Bi-Directional Amplifier at the Miramar Police Department Headquarters

RECOMMENDATION: The City Manager recommends approval of Temp. Reso. No. 7477, authorizing the expenditure of \$150,689 to install a Digital Radio Bi-Directional Amplifier at the Police Department headquarters.

ISSUE: Pursuant to City Code, purchases or award of contract for goods or services in excess of \$75,000 by a single department from the same vendor in a single fiscal year requires approval of the City Commission.

BACKGROUND: The Police Department relies upon radio communications with Broward County Dispatchers and other law enforcement personnel to facilitate day-to-day operations. Bi-Directional Amplifiers enhance radio signal inside facilities where radio signal penetration from external radio towers is not sufficient. A performance study determined that insufficient signal penetration in the Police Department headquarters is causing loss of radio functionality in the facility. Priority access to radio communications is essential for officers to receive calls for service from dispatchers and communicate during emergencies. Bi-Directional Amplifiers are commonly installed in large facilities such as stadiums, office buildings and other locations where external radio signals are not able to penetrate the building sufficiently.

DISCUSSION: The installation of a digital Bi-Directional Amplifier system will ensure priority access to radio communications for Police Department personnel and interoperability with Broward County dispatchers and law enforcement personnel.

ANALYSIS: Funding in the amount of \$150,689 is budgeted in the Police Department Radio Equipment GL Account # 001-20-201-521-000-606450.

Temp. Reso. No. 7477
6/7/21
9/22/21

**CITY OF MIRAMAR
MIRAMAR, FLORIDA**

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF MIRAMAR, FLORIDA, AUTHORIZING THE EXPENDITURE OF \$150,689 FOR THE INSTALLATION OF A BI-DIRECTIONAL ANTENNA SYSTEM TO ENSURE EMERGENCY RADIO COMMUNICATIONS WITH DISPATCHERS BY BOOSTING RADIO SIGNAL WITHIN THE MIRAMAR POLICE DEPARTMENT HEADQUARTERS; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, access to reliable radio communications is essential to the duties of police department personnel and Digital Radio Bi-Directional Amplifiers are able to resolve radio signal loss issues by enhancing signal strength; and

WHEREAS, Pursuant to City Code, purchase or award of contract for goods or services in excess of \$75,000 by a single department from the same vendor in a single fiscal year requires approval of the City Commission; and

WHEREAS, the Chief of Police certifies the expenditure of \$150,689 for the installation of a digital Bi-Directional Amplifier in the Police Department headquarters building and that the funds are already allocated in the Police Department's budget; and

WHEREAS, the City Manager recommends approval of the expenditure of \$150,689 for the installation of a digital Bi-Directional Amplifier in the Police Department headquarters through the utilization of the Broward County Sheriff's Office Contract # 12-29077/JHJ.

Reso. No. _____

Temp. Reso. No. 7477
6/12/21
9/22/21

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF
MIRAMAR, FLORIDA AS FOLLOWS:**

Section 1: That the foregoing “**WHEREAS**” clauses are ratified and confirmed as being true and correct and are made a specific part of this Resolution.

Section 2: That the expenditure of \$150,689 for the Bi-Directional Amplifier to be installed at the police headquarters is approved.

Section 3: That the appropriate City officials shall do all things necessary and expedient in order to carry out the aims of this Resolution.

Section 4: That this Resolution shall take effect immediately upon adoption.

Temp. Reso. No. 7477
6/12/21
9/22/21

PASSED AND ADOPTED this _____ day of _____, _____.

Mayor, Wayne M. Messam

Vice Mayor, Yvette Colbourne

ATTEST:

City Clerk, Denise A. Gibbs

I HEREBY CERTIFY that I have approved
this RESOLUTION as to form:

City Attorney,
Austin Pamies Norris Weeks Powell, PLLC

Requested by Administration

Commissioner Winston F. Barnes
Commissioner Maxwell B. Chambers
Vice Mayor Yvette Colbourne
Commissioner Alexandra P. Davis
Mayor Wayne M. Messam

Voted

Reso. No. _____



Billing Address:
CITY OF MIRAMAR
11765 CITY HALL PROMENADE
MIRAMAR, FL 33025

Ship-to Address:
CITY OF MIRAMAR
11765 CITY HALL PROMENADE
MIRAMAR, FL 33025
Attn: Noel Alvarez

Quote Date:07/14/2020
Expiration Date:09/30/2021
Quote Created By:Kim Camps
kim.camps@motorolasolutions.com

End Customer:
MIRAMAR, CITY OF
Noel Alvarez email: nalvarez@miramarpd.org

Contract:
BROWARD COUNTY SHERIFF'S OFFICE
Motorola Contract # 12-29077/JHJ

Description of Project

This scope of work (SOW) described in this proposal covers the products and services for an NFPA compliant 700/800MHz BDA system for the following property:11765 City Hall Promenade, Miramar, FL 33025. This system will amplify Broward County and Miramar's public safety two-way radio signal, at or above code compliant levels, throughout the aforementioned property.

This SOW may be revised during contract negotiations and through any other official change orders that may occur during the BDA project.

This SOW outlines the tasks to be performed by Motorola Solutions, Inc., in collaboration with Signal Communications and Mobile Comm, and by the Customer.

All following requirements, assumptions, and responsibilities are set forth in order to adhere to NFPA, Florida State, Broward County, and City of Miramar requirements.



Scope of Work

All equipment and services listed will be provided:

- Permitting services for County and City as required
- NFPA compliant 700/800MHz Bi-Directional Amplifier
- NFPA compliant 24 hour backup battery, NEMA enclosure included
- Roof mounted donor antenna
- Indoor antennas
- Remote annunciator panel
- Cables, splitters, multi-couplers, connectors
- Junction boxes and conduit
- Miscellaneous mounting and installation equipment
- Required dry contact closures for fire alarm panel
- Install, ground, and optimize all applicable equipment
- Coordinate and attend all inspections
- Provide signal strength benchmark report and as built documentation, as required
- Provide pricing on code required maintenance agreement
- Coordinate with fire alarm contractor to integrate with BDA

Customer's Responsibilities:

- Provide a code required 2" conduit riser with 2hr fire rated path from the roof level to the bottom level
- Provide code required 2 hour fire rated equipment room for BDA
- Provide 24/7-110v NEMA twist-lock power outlet on a dedicated circuit breaker
- Provide grounding for roof mounted donor antenna
- Provide Building lightning protection system, BDA bonding, and recertification, if required
- Provide a 2" entry port from the roof into the nearest appropriate electrical room
- Provide any additional core drilling as required
- Any modification or replacement of original building permits
- Provide acceptable working hours for installation crew
- Provide access to all required areas for installation crew during agreed upon working hours (any lost time due to access issues is billed at \$150.00 per man hour)
- Assist with negotiation of any site leases or access with third parties as needed

Other Assumptions

- This proposal is contingent upon completion of a full engineering study, including signal heat maps, prepared in iBwave
- Pricing and installation agreement is subject to change if the Authority Having Jurisdiction (AHJ) changes installation requirements
- System installation will begin when all equipment has been received, all required equipment/site tests have been performed, permits have been issued, and site leases/access have been finalized



- A one year parts and labor warranty will commence upon acceptance of the system by the customer, physical damage not included
- Any substitute equipment must be submitted via official change order and be approved
- The project will be considered completed at final permit closure or beneficial use of the system, whichever comes first
- Performance bond or similar not included
- Prevailing wage and certified payroll not included
- Cost of insurance beyond Motorola's current limits is not included
- Sales tax or any other fees or taxes are not included unless specially listed (not required for PD)
- Full iBwave engineering design, including County required heat maps not included, purchased separately
- Signed and sealed construction drawings (CDs) cost not included, purchased separately

Pricing

Equipment includes:

BDA, Backup Battery, Antennas, Cables, Connectors, Junction Boxes, Dividers, Splitters, Multi-couplers, Polyphaser, Grounding Equipment, Tappers, and Misc. for Mounting or Installation

Services include:

Installation, Engineering, System Optimization, Permitting Services, Project Management, and Post Work Clean Up, Permit Fees Estimated cost for City and County

Total: Based on Supplied Life Safety Plans \$150,689.00

Payment Milestones will be as follows:

- 50% with Notice to Proceed,
- 30% at time of permit approval and prior to mobilization,
- 10% at completion of installation,
- 10% after final inspection or beneficial use, whichever is first.

• **PLEASE BE ADVISED:** Motorola Solutions is moving towards being more environmentally green and emailing invoices. You may receive an email invoice instead of a mailed invoice, depending on the purchase. In addition, the invoice may have a new address for submitting payments. If you have any questions or would like to change where your electronic invoices will be delivered, please contact your credit analyst or dial

800-422-4210.



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.