

TOWN OF GOLDEN BEACH, FLORIDA

RESOLUTION NO. 2943.24

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF GOLDEN BEACH, FLORIDA, AUTHORIZING THE USE OF LAW ENFORCEMENT TRUST FUND (LETF) DOLLARS FOR THE PURCHASE AND INSTALLATION OF A BDA SYSTEM FOR THE CIVIC; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Town's Police Department needs to purchase and install a BDA System for the civic center. The system will provide a turn key distributed antenna system to enhance the required public safety radio frequencies within the civic center. The end result will make our Civic Center FCC compliant; and

WHEREAS, in accordance with the Town's purchasing procedures, the Mayor / Town Manager will purchase these items; and

WHEREAS, the Town Council finds that the price not to exceed \$45,380.50 of the forfeited assets for the purchase of these items is in the best interest of the Town.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF GOLDEN BEACH, FLORIDA, AS FOLLOWS:

Section 1. Recitals Adopted. That each of the above-stated recitals is hereby adopted and confirmed.

Section 2. Authorization of Expenditure. The expenditure of Law Enforcement Trust Fund (LETF) and / or Federally Forfeited Asset funds in an amount not more than \$45,380.50 for the purchase and implementation of these items, as described and outlined in the Agenda Item Report attached and

incorporated herein, is hereby authorized and approved.

Section 3. Implementation. That the Mayor and Town Manager are authorized to take any and all action which is necessary to implement this Resolution.

Section 4. Effective Date. That this Resolution shall be effective immediately upon adoption.

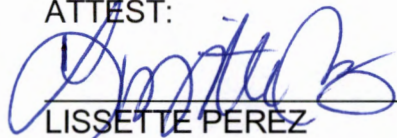
Sponsored by the Administration.

The Motion to adopt the foregoing Resolution was offered by Councilmember Bernstein, seconded by Vice Mayor Einstein and on roll call the following vote ensued:


Mayor Glenn Singer	<u>Aye</u>
Vice Mayor Bernard Einstein	<u>Aye</u>
Councilmember Jaime Mendal	<u>Aye</u>
Councilmember Judy Lusskin	<u>Aye</u>
Councilmember Kenneth Bernstein	<u>Absent</u>

PASSED AND ADOPTED by the Town Council of the Town of Golden Beach, Florida, this 24th day of April, 2024.

ATTEST:



LISSETTE PEREZ
TOWN CLERK



MAYOR GLENN SINGER

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY:



STEPHEN J. HELFMAN
TOWN ATTORNEY

AFFIDAVIT

STATE OF FLORIDA:

: SS

COUNTY OF MIAMI-DADE:

Before me this day personally appeared Rudy Herbello who deposes and says that:

I, Rudy Herbello, Chief of Police, Town of Golden Beach, do hereby certify that this request for an amount not to exceed \$45,380.50 expenditure from the Town of Golden Beach's Forfeited Assets Fund for the purchase of a BDA System for the new civic center. The BDA System complies with the provisions of Florida State Statute 932.7055, known as the Law Enforcement Trust Fund (LETF), as amended. It also complies with the requirements of the Federal Asset Forfeiture Statutes under which the Golden Beach Police Department seized assets.

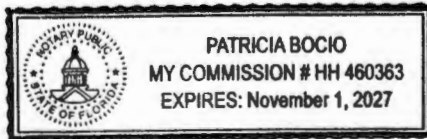


Rudy Herbello
Chief of Police
Golden Beach Police Department

Subscribed and sworn to before me this 24 day of April, 2024 by Rudy Herbello who is personally known to me.



**NOTARY PUBLIC
STATE OF FLORIDA
AT LARGE**



WINDY

COULD BE REVERSED

The law is... to prevent the... of the...
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Prepared on: 4/23/2024

Proposal For:

Emergency Radio Enhancement System

(DAS) (BDA) (TWO-WAY RADIO)

Golden Beach Civil Building

Prepared for:

Yovany Diaz | Golden Beach Police Department

Created by:

Kyle Taylor | BDA Systems Co.

Kyle@BDASystemsCo.com | 813-215-9792

Scope

Summary: BDA Systems Co. will provide a soft turn-key installation for a Distributed Antenna System (DAS) to enhance the required public safety radio frequencies within the project building. The end result will be an FCC compliant radio enhancement system in accordance with the Authority Having Jurisdiction's (AHJ) laws regarding installation, survivability & commissioning.

System Overview: The system will have the following characteristics:

1. Located at 1 Golden Beach Drive, Golden Beach, FL 33578
2. Authority Having Jurisdiction Miami-Dade County
3. Operating Frequency Bands 800MHz
4. Project design and engineer overseen by FCC license holder (PG)
5. (2) Year Warranty on materials beginning on installation date

System will meet or exceed the following requirements:

- System must provide a minimum of -95 dB signal strength throughout 95% of the building.
- System must provide a minimum of -95 dB signal strength within 99% of all critical areas.
- System requires a 20A dedicated circuit.
- Back up power source required is 4-hours at 100% capacity.
- Amplifier will be monitored by fire alarm panel.
- Battery back up will be monitored by fire alarm panel.
- Amplifier & battery back up will be housed in a NEMA 4 type enclosure.
- Repeater will be FCC Certified.
- Repeater shall be capable of analog & digital modes.
- Entire system shall be capable of future upgrades.
- Repeater shall be class A or class B depending on AHJ requirements.
- Room containing repeater & battery back up must be fire rated for 2-hours. (supplied by others)
- Room containing repeater & battery back up must be mechanically ventilated. (supplied by others)
- Room containing repeater & battery back up must be have a smoke detector (supplied by others)
- System integration will be overseen by FCC General Radio Operator License (GROL) holder.
- Isolation between donor antenna and service antenna's gain will exceed 20 dB.
- Amplifier & battery backup are UL Listed
- Site survey shall be a 20-point grid test performed by licensed FCC G.R.O.L. holder.

The following is included in this proposal if required by Authority Having Jurisdiction:

- All horizontal cabling must be plenum rated
- All horizontal cabling must be of type air dielectric (heliac)
- All horizontal cabling must be mechanically protected

Exclusions

The following are exclusions not provided by this quote but can be included upon request:

1. Room housing the Bi-Directional Amplifier (BDA) must be rated for (2) hours unless otherwise specified by authority having jurisdiction.
2. BDA room must be mechanically ventilated.
3. BDA room must be protected by sprinkler.
4. BDA room must be protected by smoke detector.
5. BDA equipment must have dedicated 20A circuit
6. Electrical power for BDA and battery backup equipment.
7. Lightning protection for entire building (if applicable).
8. Any core drilling & riser penetrations
9. Fire Alarm tie-in for fire alarm system.
10. Fire Alarm modules for fire alarm system per system requirements. (7 required)
11. Repair work including drywall, sheetrock, painting
12. 2-hour cable and pathways
13. Permitting fees (in excess of \$200.00)
14. Third party testing
15. All Access Panels
16. Cellular and WiFi coverage
17. Underground pathways
18. Roof penetrations

Job Costs

The pricing breakout reflects an estimated not-to-exceed BOM.

Pre-Wiring & Engineering

TYPE OF SERVICE	Price	QTY	Subtotal
Armored Cable	\$4.10	750	\$3,075.00
Low Loss Plenum Rated Heliax Cable - 1/2" Diameter Mechanically Protected			
Connectors	\$23.50	45	\$1,057.50
N-Male Crimp on Connectors for Rigid Helix Cable Above			
Splitters & Couplers	\$65.00	15	\$975.00
Power Dividers and Couplers			
Conduit Boxes & Materials As Needed	\$250.00	1	\$250.00
			\$5,357.50
Labor			
Labor	\$8,500.00	1	\$8,500.00
Cable Installation, Equipment Mounting & Cable Termination, Travel			
			\$8,500.00
Engineering			
System Design	\$1,500.00	1	\$1,500.00
iBwave System Design & Predictive Heat Maps			
Certification Survey	\$1,500.00	1	\$1,500.00
Final Site Survey Upon Completion & FCC Sign-Off			
			\$3,000.00
Subtotal			\$16,857.50

Amplifier Installation, Antennas, Permit Set

TYPE OF SERVICE	Price	QTY	Subtotal
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Amplifier (BDA)	\$12,850.00	1	\$12,850.00
2W Public Safety Amplifier Within NEMA-4 Enclosure			
Battery Backup (BBU)	\$3,250.00	1	\$3,250.00
12/24 Hour Battery Backup Within NEMA-4 Enclosure			
Annunciator	\$0.00	1	\$0.00
Dedicated Annunciator (Not Always Purchased as Some MFG Include)			
Service Antennas	\$65.20	15	\$978.00
Ceiling Mounted Omni's or Panels / Public Safety & Cellular Compatible			
Donor Antennas	\$295.00	1	\$295.00
Outdoor Directional Yagi or Panel Antenna / Public Safety & Cellular Compatible			
			\$17,373.00
Labor			
Labor	\$7,500.00	1	\$7,500.00
Cable Installation, Equipment Mounting & Cable Termination, Travel			
			\$7,500.00
Engineering			
Permit Set Design & Submittal	\$2,150.00	1	\$2,150.00
Permit Set Created and Submitted to Wake County			
System Commissioning	\$1,500.00	1	\$1,500.00
Amplifier Commissioning and Configuration			
			\$3,650.00
		Subtotal	\$28,523.00
			Total Cost: \$45,380.50

FINANCIAL

Payment Schedule

- 50% Due at time of scheduling
- 40% Due at equipment installation
- 10% Due at final survey and commissioning

TERMS

I accept this proposal and hereby authorize BDA Systems Co. to proceed with the installation of the included systems at 1 Golden Beach Drive, Golden Beach, FL 33578 in the totality of this document. I further authorize BDA Systems Co. to be granted the facility access that will be required to complete this project in a workmanlike and timely manner and for payment to be made to BDA Systems Co. In keeping with the Terms of Payment listed above. It has been made clear to me that there exist no understandings regarding this project with any relevant party unless and until Low Voltage Consultants Inc. and BDA Systems Co. agree to such additional or alternate understandings in writing. Project cost and pricing are dependent upon a continual flow of work without interruption or delays imposed by Low Voltage Consultants Inc. or their staff, construction, other building trades or any other party, and additional costs may be incurred Low Voltage Consultants Inc. from BDA Systems Co. If such delays result in additional costs that are not covered by the pricing in this proposal. I agree that any additions to and/or deletions from the materials and labor to be provided by my acceptance of this proposal and any resulting change(s) in cost of this project shall only be by way of written change order(s) and shall be valid only after being signed by Low Voltage Consultants Inc. and BDA Systems Co. This proposal is valid only if accepted in writing by Low Voltage Consultants Inc. and deposit payment received no later than 180 days from delivery of this proposal.

ACCEPTANCE

Low Voltage Consultants Inc.

SIGNED

DATE

PRINT NAME

TITLE

BDA Systems Co.

SIGNED

DATE

PRINT NAME

TITLE



TOWN OF GOLDEN BEACH

One Golden Beach Drive
Golden Beach, FL 33160

MEMORANDUM

Date: April 24, 2024

Item Number:

To: Honorable Mayor Glenn Singer and
Town Council Members

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From: Alexander Diaz,
Town Manager

Subject: Resolution No. 2943.24- the Purchase of BDA System

Recommendation:

It is recommended that the Town Council adopt the attached Resolution No. 2943.24 as presented.

Background:

The BDA System will provide a turn key distributed antenna system to enhance the required public safety radio frequencies within the civic center. The end result will make our Civic Center FCC compliant.

BDA System

The cost of the system and installation will be a total of \$45,380.50. This price includes labor, permitting and etc.

The purchase of this system will come from the Town's Law Enforcement Trust Fund (LETf) and / or Federally Forfeited Asset funds.

I ask that you authorize this expenditure from the Town's Law Enforcement Trust Fund (LETf) and / or Federally Forfeited Asset funds.

Fiscal Impact:

\$45,380.50 from the LETf Fund.