



MIAMI-DADE PUBLIC LIBRARY SYSTEM

ADDENDUM NO. 2
9-FEB-2024

PROJECT: **Lemon City Branch Library**
Project No. LC-RENO-23-R1

BID DUE DATE: **21-FEB-2024**

FROM: Miami-Dade Public Library System
(MDPLS)
Capital Program Division
101 West Flager
Miami, FL 33128, Phone 786-988-6830

TO: Prospective Bidders and Interested Parties

This Addendum forms part of the project solicitation documents and will be incorporated into the Contract Documents, as applicable. Insofar as the Original Contract Documents, Drawings and Specifications are inconsistent, this Addendum shall govern. Please acknowledge receipt of this Addendum, at the time of bid submittal to Miami-Dade County, in the space provided on the “Acknowledgement of Addenda Form” provided with the project solicitation documents. Failure to acknowledge receipt of all addenda may be cause for disqualification.

Miami-Dade County’s “Cone of Silence”, Section 2-11.1(t) of the Code of Miami-Dade County, approved by the Board of County Commissioners, specifically prohibits communication in regard to this bid solicitation with County staff except as allowed by the Code. The period covered by the “Cone of Silence” is defined in the Code.

Bidders must file a copy of any written communication with the Clerk of the Board, which shall be available to any person upon request. Miami-Dade Public Library System (MDPLS) shall respond in writing and file a copy with the Clerk of the Board, which shall be made available to any person upon request. Written communications for questions, Request for Information (RFI) and addendums may also be in the form of e-mail



addressed to Malka Rodriguez at Malka.Rodriguez@miamidade with copy to the Clerk of the Board at clerk.board@miamidade.gov.

BID SUBMITTAL DUE DATE: Remains the same date as shown on Addendum 1: Wednesday, **February 21, 2024**, 2:00pm at SPCC 111 NW 1 street – 17th floor – Clerk of the Courts office.

The following are Contract clarifications for this solicitation:

Addendums, RFIs and Responses will be also available to view online at: <https://www.miamidade.gov/apps/isd/StratProc/Home/CurrentSolicitations>.

Contractors who downloaded the solicitation and contract documents will be responsible to download the Addendums and RFI's.

Acknowledgment of receipt by Bidders of all addendums and Request for Information (RFI's) remains a requirement when submitting Bids.

Also please keep in consideration that the deadline for submittal of RFI's was close of business, Wednesday February 7, 2024.

All bids and forms required in conjunction with the bid shall be submitted on the forms provided by MDPLS and must be submitted original, within a sealed envelope. All required forms for the submission of bids are included in Bid Documents Volume I. All blank spaces for bid prices must be filled in ink, in figures and if required, in words as well. In the event of any discrepancy in the entries for the price extension of any item, the unit price as shown in figures shall govern. The sealed envelope shall be bearing on the outside the name of the Bidder, their address, the number of the project for which the bid is submitted, and the date of the bid opening.

MDPLS, at its sole discretion, may elect to negotiate with the apparent low bidder, provided that the scope of work of this solicitation remains the same.

RFI questions and responses:

Q1. Rafael Tovar <rtovar@milianiconstruction.com> from Miliani Construction (6-FEB-2024):

I hope all is well, the reason of this email is to ask you the type or model of the acoustic ceiling tiles selected for this project. I did not see this information included in the drawings.



R1. Response:

Please refer to volume 2 of the specifications section 09510 for the acoustical ceiling information, specifically for type and model of the specified acoustical materials.

Please note that this project has specifications and drawings to be used for the description of the scope of the work. The contractor is responsible for the complete review of the contract before submitting a bid proposal.

The description below are clarifications to the original scope of work and alternate # 1:

BURGLAR ALARM:

The contractor is responsible for replacing all existing system to comply with the enclosed specification section **13825 (00 00 00) INTRUSION DETECTION SYSTEM (Exhibit A).**

CCTV and WIFI requirements:

The contractor is responsible to provide empty conduits and pull string to all new camera locations as shown on the plans. In addition, please review the enclosed **CCTV and WIFI information in Exhibit B.**

Exterior Cameras:

- Cameras will be mounted either on an overhang ceiling or on the wall, 8-12 feet from the ground.
- For ceiling mounted, cameras require double gang outlet boxes, flush mounted with the ceiling and the associated $\frac{3}{4}$ inch conduit runs for data wiring back to the telecom area are needed and **must be grounded.**
- For wall mounted, cameras require double gang outlet boxes, flush mounted with the wall and the associated $\frac{3}{4}$ inch conduit runs for data wiring back to the telecom area are needed and **must be grounded.**
- At least 6 inches of clearance are needed around the outlet boxes to facilitate installation.

Interior Cameras:

Cameras can be mounted either on the ceiling or on the wall, 8 inches below the ceiling line.

- For drop ceilings, cameras mount on the T-rails, data wiring can be run free wire back to telecom area if ceiling is accessible, if not accessible, $\frac{3}{4}$ inch conduit runs for data wiring back to the telecom area are needed.

- For hard ceilings, cameras require single gang outlet boxes, flush mounted with the ceiling and the associated $\frac{3}{4}$ inch conduit runs for data wiring back to the telecom area are needed and must be grounded.
- For wall mounted, cameras require single gang outlet boxes, flush mounted with the wall.
- If ceiling is accessible, data wiring can be run free wire back to telecom area from outlet box $\frac{3}{4}$ inch conduit whiptail into ceiling area.
- If ceiling is not accessible, the associated $\frac{3}{4}$ inch conduit runs for data wiring back to the telecom area are needed and must be grounded.
- At least 6 inches of clearance are needed around the outlet boxes to facilitate installation.

Exterior access points:

- Access Points are usually mounted on the wall 8-12 feet from the ground.
- Access Points require double gang outlet boxes, flush mounted with the wall and the associated $\frac{3}{4}$ inch conduit runs for data wiring back to the telecom area are needed and **must be grounded**.

1. Omni Antenna

At least 1 ft of clearance is needed around the outlet boxes to facilitate installation.

2. Dual Band Antenna

At least 2 ft of clearance are needed around the outlet boxes to facilitate installation.

3. Directional Dish Antenna

At least 3 ft of clearance are needed around the outlet boxes to facilitate installation.

Interior access points:

Access Points can be mounted either on the ceiling or on the wall, 8 inches below the ceiling line.

- For drop ceilings, access points mount on the T-rails, data wiring can be run free wire back to telecom area if ceiling is accessible, if not accessible, $\frac{3}{4}$ inch conduit runs for data wiring back to the telecom area are needed.
- For hard ceilings, access points require single gang outlet boxes, flush mounted with the ceiling and the associated $\frac{3}{4}$ inch conduit runs for data wiring back to the telecom area are needed and must be grounded.
- For wall mounted, access points require single gang outlet boxes, flush mounted with the wall.
- If ceiling is accessible, data wiring can be run free wire back to telecom area from outlet box $\frac{3}{4}$ inch conduit whiptail into ceiling area.
- If ceiling is not accessible, the associated $\frac{3}{4}$ inch conduit runs for data wiring back to the telecom area are needed and must be grounded.



- At least 10 inches of clearance are needed around the outlet boxes to facilitate installation.

ALTERNATE #1 – HVAC demolition and replacement

As part of the alternate #1 scope of work, the contractor is responsible to coordinate and design any roof structural changes to accommodate the new HVAC equipment.

MDPLS has the right to add this alternate at time of bid OR at any time during the project. The selected Contractor will hold the price of the Alternate for 180 days after the Notice to Proceed.

EXHIBIT INDEX

EXHIBIT A – Specification Section 13825 Intrusion Detection System

EXHIBIT B – CCTV and WIFI information in Exhibit B.

END OF ADDENDUM NO. 2

Malka Rodriguez
Miami-Dade Public Library System
Construction Manager III

C:
Clerk of the Board
Laurie Johnson, SBD
Laura Perez, RA

Lisa Thompson, MDPLS
Eric Perez, SBD

Shiham Colegial Lorenzo, MDPLS
Wilden Sanchez Diaz, SBD

EXHIBIT INDEX

EXHIBIT A – Intrusion Detection System 13825

EXHIBIT B – CCTV and WIFI requirements



**EXHIBIT A - Intrusion
Detection System –
Specification Section 13825**

SECTION 13825 (00 00 00)
INTRUSION DETECTION SYSTEM

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes: A complete, operable, tested intrusion detection system, bearing Underwriters Laboratories (UL) mercantile listing and including raceway system and cables. All programming shall be by the Contractor with assistance from Miami-Dade County Facilities Utilities Management (FUMD).

- B. Related Sections:
 - 1. Section 09900 - Painting.
 - 2. Section 16112 - Raceways and Conduits.
 - 3. Section 16137 - Pull and Junction Boxes.
 - 4. Section 16138 - Outlet Boxes.

1.2 SYSTEM DESCRIPTION

- A. Significant System Components and Procedures:
 - 1. Contacts for every exterior door including roof accesses.
 - 2. Motion detectors.
 - 3. Intrusion control panels.
 - 4. Power supply.
 - 5. Extended zone modules.
 - 6. Keypads.
 - 7. Raceway and junction box system.
 - 8. Testing.
 - 9. Record drawings.

1.3 SYSTEM DESCRIPTION

- A. Submit properly identified manufacturer's literature and technical data before starting work.

- B. Shop Drawings: Include manufacturer's catalog cuts, data sheets, and riser and wiring diagrams with standard symbols for each component used.

- C. Quality Assurance Submittals: Submit the following with the required shop drawings and manufacturer's literature and data.
 - 1. Load calculations for battery backup and system components.
 - 2. Programming schedule sheet with zone descriptions.
 - 3. Warranty:
 - (a) Letter from authorized manufacturer's representative addressed to the County, stating compliance to warranty requirements.
 - (b) Submit 5 copies of warranty to be provided.

- D. Closeout Submittals: Record drawings and warranties.

1.4 QUALITY ASSURANCE

- A. Items and Components: UL listed meeting the latest editions of standards 603, 609, 634, 639, 1076, and 1610.
- B. Install wiring according to National Electrical Code - 2008 (NEC).
- C. Shunt switches are not allowed.
- D. The system shall provide for the separate partitioning of the administrative office areas and any other areas according to program requirements. One building or wing may have more than one partition, but one partition shall not include more than one building.
- E. System shall be hardwired in its entirety.
- F. In terminal cabinets, use screw-on terminal strips for power and signal cable splices.

1.5 WARRANTY

- A. Provide full manufacturer's published standard warranty for parts and components.
- B. Provide 1 year full maintenance (parts, wiring, and labor) provided by Contractor or manufacturer's authorized representative from date of substantial completion.
- C. Provide warranty response information inside alarm system control panel.
- D. Warranty shall allow the County to repair vandalized areas without voiding the total system warranty.

PART 2 PRODUCTS

2.1 EQUIPMENT

- A. Door Contacts:
 - 1. Side Hinged Doors: Recessed magnetic switch, Model 1078W as manufactured by Sentrol, Inc. or accepted equivalent, complete with necessary mounting accessories for installation in closed circuit alarm systems.
 - 2. Hinged Roof Access: Magnetic switch, Model 1085W as manufactured by Sentrol, Inc. accepted equivalent. Provide 2 mounting spacers and matching cover plate, for closed circuit alarm systems.
 - 3. Roll-Up Overhead Doors: Magnetic switch, No.[2205A] [2505A] [2515A] (?) by Sentrol, Inc. or accepted equivalent, complete with necessary mounting accessories for installation in closed circuit alarm systems.
- B. Cable: Belden No.8740 (2 conductor), No.8443 (3 conductor), No.9794 (4 conductor), or accepted equivalent.

1. Conductors for Monitoring Devices: Minimum 22 gage AWG stranded, unshielded cable with vinyl plastic insulation, color-coded.
 2. UL listed, NEC type CM or CL3, UL standard 13 and 444.
 3. Comply with UL 1581 flame test.
 4. Power Conductor for Motion Detectors, EZMs, and Keypads: CL-2 or CL-3, jacketed, minimum 18 gage stranded wire.
 5. Power Conductor for Battery: Minimum 18 gage stranded wire.
 6. Underground cable shall be for wet locations according to NEC.
- C. Motion Detectors: Dual technology (PIR/microwave) motion detector sensors, per engineers drawing or accepted equivalent.
- D. Intrusion Control Panels:
1. Manufacturers:
 - (a) NAPCO MA 3000 (96 zones).
 - (b) Simplex DS7400Xi.
 - (c) Honeywell W940B or approved equal.
 2. Provide mandatory UL Mercantile listing with tamperproof provisions.
 3. Indicate location on riser diagram.
- E. Panel Batteries
1. Provide two 7 amp batteries in parallel in the panel or as required per Manufacturer.
- F. Remote Power Supplies:
1. Supervised for low battery failure and power supply failure.
 2. Show locations on riser diagram.
 3. These indications shall report through a dedicated zone of the intrusion detection system to Miami-Dade County FUMD as a priority trouble.
- G. Zone Expansion Modules/Expansion Zone Modules (EZM).
1. Remotely located in a distributed fashion to minimize raceway and wiring.
 2. Powered from the intrusion control panel.
 3. Power supply load shall not exceed 85 percent of the maximum load.
 4. Mount EZM's in a hinged door junction box with a fire retardant painted plywood backboard inside the box, 10" x 10" x 4" minimum size.
 5. Install EZM cabinets with centerline at 5'-0" above finish floor.
 6. Install power supplies between 6"-0" to 8'-0" above finish floor.
 7. List EZM's location numbers inside and outside the junction boxes and on riser diagram.
 8. Do not use the keypad as a zone expander.
- H. Miscellaneous: Refer to Section 16112 for products also required for installation under this section.

PART 3 EXECUTION

3.1 INSPECTION

- A. Do not proceed with the work of this section until conditions detrimental to the proper and timely completion of the Work have been corrected in an acceptable manner.

3.2 INSTALLATION

- A. Install wiring, conduit, boxes, and the like required for a complete system according to manufacturer's instructions and approved submittals.
- B. System equipment and wiring installation shall be by the properly licensed company, either the original equipment manufacturer or the factory distributor for the brand of equipment used. Furnish wiring diagrams and wire runs for the raceway system installed by the licensed electrical contractor, under Division 16.
- C. Provide door contacts and related devices at exterior doors, roof scuttles, and interior doors to high security spaces including, but not limited to, spaces containing audiovisual equipment, instructional TV equipment, computer equipment, chemical storage, facility operation and management equipment, and other similar valuable goods. Rooms with interior corridor access and motion detectors do not require door contacts.
 - 1. Hinged Door Contacts: A maximum of 4 associated door contacts may be grouped in a zone. Provide independent wiring to each switch from a junction box located next to the expansion zone module (E.M.) before converting to a zone.
 - (a) Side Hinged Doors:
 - (1) Install recessed switch components in spaces in both door and head jamb prepared by the door and frame manufacturer.
 - (2) Set magnet into top of door with accepted silicone sealant.
 - (b) Hinged Roof Access: Mount on inside face of access housing according to switch manufacturer's recommendations.
 - 2. Motion Detectors:
 - (a) Provide motion detectors in each area with windows, fixed glass, or glass block to the exterior and any room with vision panels, regardless of the location or function.
 - (b) Provide motion detectors at exterior accessed storage rooms.
 - (c) Provide individual zones for each motion detector.
 - (d) Motion detectors shall have their own power supply and not be fed from the security panel.
 - (e) Locate ceiling mounted motion detectors at least 5 feet away from A/C supply registers and at least 10 feet from windows.
 - 3. Wiring:
 - (a) Install wiring in metallic conduit from door head switch through door lintel construction to adjacent junction box.
 - (b) Connection between top of sheet metal sleeve in head jamb section and conduit in door lintel construction to adjacent junction box need not be solid but sheet metal sleeve and conduit shall be in alignment with each other.
 - (c) Provide EOL resistor and indicate location on drawings.
 - (d) A maximum of 4 associated door switches may be grouped in a zone. Provide independent wiring to each switch from a junction box located next to the expansion zone module (E.M.) before converting to a zone.
 - (e) Splices in main cabinets and sub panels shall be on terminal strips.
 - 4. Bonding and Grounding: Provide as required by the latest edition of the NEC.

5. Conductor Identification: Identify each pair of conductors, each contact in each panel, and at loose wire terminations.
6. Cable Slack:
 - (a) Terminate cables with enough slack, each duly tagged for future connections by the Board, on terminal strips in junction box in electrical room as shown on Drawings, extending 1 inch empty conduit from this box underground to pull box as shown Drawings (site plan).
- D. At security cabinets, provide 3/4" plywood backboard with fire retardant paint.
- E. Provide patch cord from intrusion detection circuit board to telephone outlet provided by County in the intrusion detection panel.
- F. Connect fire alarm system to the 2 separate telephone outlets provided by County in the fire alarm panel.

3.3 FIELD QUALITY CONTROL

- A. Before testing the intrusion detection system transmission from the project site to the central control station, coordinate with the County and Architect/Engineer of Record to ensure Miami-Dade County FUMD will be available to verify a successful and trouble free transmission signal.
- B. Site Test:
 1. Check and test installation for shorts, grounds, circuit continuity, and minimum 12 volts readings at all motion detectors.
 2. Cables: Test free from opens, grounds, or crosses (shorts) between conductors.
 3. Walk-test doors and motion detectors for proper function and operation. Ensure proper zoning of devices.
 4. Test all functions on intrusion control panels for proper functions and operations.
 5. Verify signals are properly received at the Miami-Dade County FUMD.
 6. Check for proper standby battery backup in intrusion panels and remote power supplies.
 7. Verify remote power supplies are UL 603 listed for burglary systems.
 8. Inspect and test cabinet tampers on intrusion cabinets.
 9. Verify raceway cover is properly painted blue.

END OF SECTION

EXHIBIT B - CCTV and WIFI Requirements

Interior Access Points

The library uses Meraki MR45 and MR46 model access points for the interior of library locations.

- MR45/46 Datasheet – https://documentation.meraki.com/MR/MR_Overview_and_Specifications/MR46_Datasheet
- Installation Guide – https://documentation.meraki.com/MR/MR_Installation_Guides/MR46_Installation_Guide
- Access Points can be mounted either on the ceiling or on the wall, 8 inches below the ceiling line
 - For drop ceilings, access points mount on the T-rails, data wiring can be run free wire back to telecom area if ceiling is accessible, if not accessible, ¾ inch conduit runs for data wiring back to the telecom area are needed
 - For hard ceilings, access points require single gang outlet boxes, flush mounted with the ceiling and the associated ¾ inch conduit runs for data wiring back to the telecom area are needed and must be grounded
 - For wall mounted, access points require single gang outlet boxes, flush mounted with the wall
 - If ceiling is accessible, data wiring can be run free wire back to telecom area from outlet box ¾ inch conduit whiptail into ceiling area
 - If ceiling is not accessible, the associated ¾ inch conduit runs for data wiring back to the telecom area are needed and must be grounded
 - At least 10 inches of clearance are needed around the outlet boxes to facilitate installation

Interior Cameras

The library uses Meraki MV12W and Meraki MV22X model cameras for the interior of library locations.

- MV22X Datasheet – <https://meraki.cisco.com/product-collateral/mv22-datasheet/?file>
- MV12W Datasheet – https://meraki.cisco.com/wp-content/uploads/2020/05/meraki_datasheet_mv12.pdf
- Cameras can be mounted either on the ceiling or on the wall, 8 inches below the ceiling line
 - For drop ceilings, cameras mount on the T-rails, data wiring can be run free wire back to telecom area if ceiling is accessible, if not accessible, ¾ inch conduit runs for data wiring back to the telecom area are needed
 - For hard ceilings, cameras require single gang outlet boxes, flush mounted with the ceiling and the associated ¾ inch conduit runs for data wiring back to the telecom area are needed and must be grounded
 - For wall mounted, cameras require single gang outlet boxes, flush mounted with the wall
 - If ceiling is accessible, data wiring can be run free wire back to telecom area from outlet box ¾ inch conduit whiptail into ceiling area
 - If ceiling is not accessible, the associated ¾ inch conduit runs for data wiring back to the telecom area are needed and must be grounded
 - At least 6 inches of clearance are needed around the outlet boxes to facilitate installation
 - Mounting Options and Guidelines Factsheet – https://documentation.meraki.com/MV/Physical_Installation/MV_Mounting_Options_and_Guidelines

Exterior Cameras

The library uses Meraki MV72X and Meraki MV63X model cameras for the exterior of library locations.

- MV72X Datasheet – <https://meraki.cisco.com/product-collateral/mv72-datasheet/?file>
- MV63X Datasheet – <https://meraki.cisco.com/product-collateral/mv63-cloud-managed-smart-camera/?file>
- Cameras can be mounted either on an overhang ceiling or on the wall, 8-12 feet from the ground
 - For ceiling mounted, cameras require double gang outlet boxes, flush mounted with the ceiling and the associated ¾ inch conduit runs for data wiring back to the telecom area are needed and **must be grounded**
 - For wall mounted, cameras require double gang outlet boxes, flush mounted with the wall and the associated ¾ inch conduit runs for data wiring back to the telecom area are needed and **must be grounded**
 - Wall mount arms are also available from Meraki, if desired
 - Wall Mount arm dimensions
 - https://files.mtstatic.com/site_13505/10913/0?Expires=1648730862&Signature=sHK6t2nRHE5Qdb079YB0o7kUhFbtKvltDONHSf~opgEbcrtfBIPQA8Ggx5FQDqCGguPFXitjHMmgArsECSACmZ95ma7PCEmTIXcYIDiZ-ndTiEE4hZqOf7mZ90givwWZ1tA8ObmgIXoxs~GF~grXgfo86KZ-ozp7~6wPfe1WY_&Key-Pair-Id=APKAJ5Y6AV4GI7A555NA
 - <https://meraki.cisco.com/product/security-cameras/security-cameras-accessories/conduit-back-box-63-93/>
 - <https://meraki.cisco.com/product/security-cameras/security-cameras-accessories/wall-mount-bracket-63-93/>
 - <https://meraki.cisco.com/product/security-cameras/security-cameras-accessories/wall-mount-l-bracket-mv63-mv93/>
 - At least 6 inches of clearance are needed around the outlet boxes to facilitate installation
 - Mounting Options and Guidelines Factsheet – https://documentation.meraki.com/MV/Physical_Installation/MV_Mounting_Options_and_Guidelines

Exterior Access Points

The library uses Meraki MR86 model access points for the exterior of library locations.

- MR86 Datasheet – https://documentation.meraki.com/MR/MR_Overview_and_Specifications/MR86_Datasheet
- Installation Guide – https://documentation.meraki.com/MR/MR_Installation_Guides/MR86_Installation_Guide
- Access Points are usually mounted on the wall 8-12 feet from the ground
- Access Points require double gang outlet boxes, flush mounted with the wall and the associated ¾ inch conduit runs for data wiring back to the telecom area are needed and **must be grounded**
- Access Points utilize 1 of 3 different types of antenna model styles, depending on the needs of the site
 - Omni Antenna (most commonly used)
 - At least 1 ft of clearance are needed around the outlet boxes to facilitate installation
 - Factsheet – <https://meraki.cisco.com/product-collateral/dual-band-omni-antennas-4-7-dbi-datasheet/?file>
 - Dual Band Antenna
 - At least 2 ft of clearance are needed around the outlet boxes to facilitate installation
 - Factsheet – https://meraki.cisco.com/lib/pdf/meraki_datasheet_antenna_dual_band_patch_8dBi_6dBi.pdf
 - Directional Dish Antenna
 - At least 3 ft of clearance are needed around the outlet boxes to facilitate installation
 - Factsheet – <https://www.cisco.com/c/en/us/td/docs/wireless/antenna/installation/guide/ant2513p4mn.html>