



Department of Transportation and Public Works

111 NW 1st Street Suite 1410

Miami, Florida 33128-1970

T 305-375-2930. F 305-375-2931

miamidade.gov

September 1, 2023

RESPONSE LETTER NO. 1 TO REQUEST FOR INFORMATION

Project Title: **Metrorail Public Address System Replacement**

Project No.: **TP-000008807**

Email from Mr. Edgar Lugo, from Solares Electrical Services, Inc; on August 7, 2023, at 11:52 AM (Email Attached).

QUESTION No.1: It is necessary to have more information to estimate the quantities for each station. In this case, may you send the drawings to estimate the quantities of equipment and accessories?

ANSWER No.1: Drawings are available for distribution. However, in order to obtain the drawings, please make a public records request, to obtain clearance, on the form attached to this RFI. All instructions are inclusive in the attached document. Once clearance is received, please contact Mr. Marco Movilla at Marco.Movilla@miamidade.gov, to obtain the electronic files.

Email from Mr. Jeffrey B. Steele, from B&C Transit, Inc; on August 11, 2023, at 5:13 PM (Email Attached).

QUESTION No.1: Summary of Work 8.1.2 Materials list - "The Shure 514B was discontinued by Shure back in 2019 with no stock remaining and no replacement models recommended." Please advise desired microphone.

ANSWER No.1: Please replaced discontinued item and replaced with Astatic Model 611L or equal which is the recommended replacement per Shure's web site. Specification for the 611L model microphone have been added under addendum No. 1.

QUESTION No.2: Summary of Work 13.1 - Regarding the Eaton Enclosure the manufacturer is stating that "DTPW443048H" is not a valid part number, please advise correct part number, or provide the contact information for the local Graybar

supplier contact that can provide the correct information needed to obtain a quotation for the subject enclosure.

ANSWER No.2: The Eaton cabinet can be replaced with the Great Lakes enclosures. Specification for Great Lakes enclosures have been provided under Addendum No. 1, (under Great lake Instructions and drawings) and can be used to configure an enclosure that will be used to house the equipment.

Email from Mr. Rick Scharmann, from SoloTech; on August 16, 2023, at 2:13 PM (Email Attached).

QUESTION No.1: There is a problem with one of the files. The file titled '202300298493_1_DIV17_DIV17A.pdf' will not open and is showing a 'corrupted' message. Please resend this file.

ANSWER No.1: Documents were uploaded and can be found at the following link, under project number TP 0000008807: [Miami Dade Procurement](#).

QUESTION No.2: We have been informed that there are plans available for each of the 22 Metrorail stations. Please forward these plans to us.

ANSWER No.2: Drawings are available for distribution. However, in order to obtain drawings, please make a public records request, to obtain clearance, on the form attached to this RFI. All instructions are inclusive in the attached document.

Email from Mr. Jose Chao, from Solares Electrical Services, Inc; on August 17, 2023, at 1:39 PM (Email Attached).

QUESTION No.1: At all existing Metrorail Stations, there are PA Speakers at each room within the Ancillary Facility, for example: Vizcaya Station has 15 speakers covering Rooms 111, 110, 108, 107, 106,101, 112, 105, 104, 113, 109 and 103. At least this is what is shown in the As Built Plans. Are we leaving out of this installation the speakers at rooms within the Ancillary Facility? You only included two Speakers at the Train Control and Communication Room (107,108)

ANSWER No.1: The speakers in the Ancillary Rooms noted will be reused by DTPW. The contractor is not responsible for these speakers- in the Ancillary Rooms.

QUESTION No.2: Can you provide information on the Vendor that is currently responsible for the maintenance of the PIS system? Meaning the contractor that is in charge of the Station Controller Unit function and the Software that sends the digital audio messages to the PA system.

ANSWER No.2: The PIS System is maintained by the County's Information Technology Department (ITD) and the DTPW Systems Maintenance Division. The software that sends the audio messages to the PA System was provided by B&C Transit.

Email from Mr. Jose Chao, from Solares Electrical Services, Inc; on August 17, 2023, at 2:32 PM (Email Attached).

QUESTION No.1: During what hours will be possible the Cable Tray Opening and Closing? Any special Direction from Miami Dade Transit on how to perform this task? What about the need for escort personnel during these hours? Assuming that the only time available to perform this task is while the train is off and the track power if off.

ANSWER No.1: Please refer to 011000-3 PART 3: EXECUTION OF WORK. All work that requires access to the Guideway can only be performed during non-revenue hours or as may otherwise be approved by DTPW management. Work that requires access to the Guideway must be provided to DTPW's Project Manager and the Track Allocation Committee for review and approval a minimum of two weeks prior to the week during which the work is to be performed. It shall be the responsibility of the contractor to submit a weekly work schedule to the Track Allocation Committee. The contractor must attend all Track Allocation meetings during the term of the contract. Track Allocation Meetings are usually held every Tuesday. Access to the Guideway is governed by existing Standard Operating Procedure(s) which ensure that the work area is safe to access and to perform the required work. Guideway Access is under DTPW escort. The track is deenergized in the work zone for the duration of the work on the guideway. All work that does not require access to the guideway must also be submitted to the Track Allocation committee for review and approval. The contractor must be escorted by DTPW personnel for all work that is to be performed during the term of the contract. The cable tray opening and closing methods must comply with all safety protocols. System restoration must be performed after each work effort has been completed on a daily or nightly basis.

QUESTION No.2: What will happen if during a Cable Tray Opening, we encounter a Rat Infestation? Any directions from Miami Dade Transit on how to proceed? Do you have a contingency Plan if this case come to realization?

ANSWER No.2: The possibility to find rat infestation is minimal, due to the high voltage on the facility. This is to be handled as a field condition.

Email from Mr. Rick Scharmann; from SoloTech on August 17, 2023, at 4:35 PM (Email Attached).

QUESTION No.1: In addition to the items mentioned below, please forward to us a copy of the sign-in sheet for the pre-bid meeting.

As this project is very much a design/build project, and a significant amount of engineering will be required to confirm compliance with the standards specified, a

significant amount of time will be required. It is for this reason that we request your consideration of a significant extension of the bid date. Four weeks is requested.

ANSWER No.1: Copy of a sign in sheet is uploaded into the following link: <https://www.miamidade.gov/apps/isd/StratProc/Home/CurrentSolicitations>, under the project number.

Please be aware that all specifications are found under this solicitation, along with the addenda. This project is not a design build project.

The Bid opening is being extended for 2 weeks under addendum No. 1.

Email from Mr. Jose Chao, from Solares Electrical Services, Inc; on August 18, 2023, at 12:20 PM (Email Attached).

QUESTION No.1: As per BID Document: APPENDIX A, Summary of Work, Page 10 of 66 and Page 11 of 66 Topic WIRING BETWEEN DISTRIBUTION BLOCKS AND SPEAKERS IN A SUB-ZONE it reads “.....**Pass-through wiring and/or daisy chain wiring methods between speakers shall not be permitted. All speaker cables shall be direct run to approved distribution blocks.**” But the diagram shown on page 21 of 66 shows a daisy chain connection.

Please can you clarify if we can use the daisy chain method between speakers or if we must run one dedicated cable for each speaker from the terminal block to the speaker.

ANSWER No.1: The single line wiring schematic that is presented on page 21 is the electrical equivalent of the wiring procedure that is provided on page 23 of 66 in the attached three-page excerpt document and is not intended to be the actual wiring procedure to be used. Note that no connection blocks are show in the wiring representation on page 21, The wiring procedure on page 23 will ensure that the requirements of the highlighted bullet item on page 10 of 66, and items 46 and 47 in APPENDIX A - SUMMARY OF WORK for RPQ No.: TP-0000008807 are met. All referenced pages are included in the document named Solartes-8-18-23_1220pm-Q1.pdf included with this response. Dedicated runs are required. Please note that the attachments under this RFI are the same as the one on the solicitation documents and are provided for informational (illustrational) purposes only.

QUESTION No.2: As per the typical station configuration, few stations like Vizcaya have two PA speakers at the Fare/Collection Area Canopy. This portion of the building is separated by air from the station building, so there is no way to run overhead conduit to the Control and Communication Room. So, we only see one option: Removing the existing speaker cable that runs in a conduit that drops inside a column to underground then to the TCR. Replace it with the new cable. Then installing the new Speakers next to the existing embedded boxes on the canopy. Can we have additional instructions on how to proceed?

ANSWER No.2: For stations with similar air-gapped structures that require new speakers to be installed, the existing conduit may be re-used with the caution that because the

conditions of the existing conduits are unknown, the contractor assumes the responsibility for verifying if any blockages would prevent the extraction of the existing wiring and the installation of new cable in the existing conduits. The speakers to be installed in the embedded boxes should be designed for recessed installations. The IC-500-T-SC Speaker or an approved equal is recommended for use in the location referenced in this question. The specifications sheet is also provided under Addendum No. 1.

QUESTION No.3: Since we are running new microphone cable and hybrid mic cable for the Ambient Noise Sensing Microphone and the cables are passing through the cable tray, please can you provide Part Numbers the same way you did for the speaker cable?

ANSWER No.3: The contractor can use any shielded cable that meets the NFPA classification for low voltage circuits, is UL listed, is designed for outdoor use and can be used with a balanced input on the signal processor.

QUESTION No.4: We found that the Northside Station was repeated in the BID documents charts and/or lists.

ANSWER No.4: You are correct, it should read Santa Clara. It has been corrected under Addendum No. 1.

QUESTION No.5: Can you provide information on the person responsible for the SCADA and/or Network?

ANSWER No.5: The SCADA Network is maintained by the County's Information Technology Department (ITD).

Email from Mr. Jose Chao, from Solares Electrical Services, Inc; on August 21, 2023, at 10:21 AM (Email Attached).

QUESTION No.1: As per the topic "SUMMARY OF WORK", Page 8 of 66, call for "Supply and Install Hand-held microphones to replace all existing windscreen/fire hose cabinet microphones".....But like part of RPQ No 418861 IRP276, 2 new Shure 527B Hand-Held microphones were provided and installed to all Single Platform Stations, and 4 same MIC to all Double Platform Stations. Also, the MIC cable was replaced at the same location, with BELDEN Cable Part No 8723.

Please can you clarify the number of microphones needed under this project, for what station and the desired location withing the station. Are we providing this MIC only for the TCR location?

ANSWER No.1: The referenced project was completed before this RFP was solicited. One microphone is required in the Train Control Room in each of the stations only. Please disregard all other locations referenced in the RFP.

QUESTION No.2: Can you provide approximate location or distances for the New Audio Cabinet installation within the Train Control and Communication Room? Distance from the Cable tray, from the existing UPS. Approximate conduit and wire distances will be helpful.

ANSWER No.2: Please refer to item # 16 on page 39 of APPENDIX A - 16. All measurements for distances and dimensions shall be Field Verified.

QUESTION No.3: We are familiar with Government Center Station, and we know that the only way to replace the speaker cables is by demolishing/pulling out existing cables and reusing the existing cable paths. This station is special since the Train Control Room is located on the 3rd Level at the SPCC Building. Speaker cables coming from the Platforms, concourse levels and Revenue area, drops to ground level and goes through few manholes all the way to SPCC building and rise to the 3rd floor.

Do you agree that we must use any means and method for the new installation? Impacting the current/existing PA functionality.

ANSWER No.3: Means and methods are under the purview of the contractor. However, the interruption of the paging and announcement functionality of the existing Public Address system must not be permitted or allowed regardless of the methods that are used by the contractor to install wire or cable. All means and methods must comply with all safety requirements as defined in this RFP.

Email from Mr. Jeff Steele, from B&C Transit, Inc; on August 24, 2023, at 12:19 AM (Email Attached).

QUESTION No.1: The diagram of section 8.1.3 appears to show the signal processor connecting to the amplifiers for via discrete wiring/cabling per input. With a minimum of 3 zones with 2 outputs per zone, the windscreen microphone inputs, ambient noise microphone inputs, and SCU audio interfaces, the number of input/output channels on the BSS BLU-806A is likely exceeded. Please confirm that the BLU-326DA is agreeable for the expander chassis if additional inputs/outputs are required.

ANSWER No.1: With the provision that the microphones were wired for an open circuit as opposed to a shunt or shorted configuration, (at the input to the signal processor) the microphones could be connected in parallel thereby using only one input on the signal processor. The proposed BLU-326DA is accepted for providing additional inputs to the signal processor, and thereby avoiding a parallel wiring arrangement.

QUESTION No.2: Summary of Work section 5 and other sections call out low frequency speakers/drivers in addition to full range speakers. Please confirm that A/B speaker wiring, zoning (2 channels with max 8 speakers per channel per zone), and dedicated LF speakers channels are required (this is implied, but unclear currently). This would lead to a minimum of 4 channels per zone with a minimum of 3 zones, leading to a total of 3+ amplifiers pending the quantity of speakers and back of house speaker question response.

ANSWER No.2: The interpretation is correct. The intent is for all the low frequency drivers to be connected to a dedicated output channel on an amplifier that would not have any of the full range drivers connected to that dedicated channel. This would be subject to the number of low frequency drivers that would be required pending the results of the audio coverage finding. If more than 8 low frequency drivers were required in a station, the limit of 8 would necessitate that a second amplifier output would be required. A caveat to the number of low frequency drivers that would be needed: The full range drivers have a specified frequency response of 69-20kHz \pm 4dB at a sensitivity of 95 dB per watt/meter. The low frequency drivers have a specified frequency response of 51-135Hz \pm 4dB with a sensitivity of 92dB per watt/meter. When the results of the coverage simulation have been determined using an acoustical design or modeling tool to determine the coverage of the space that is being reviewed over the audio spectrum used in the modeling, the results shall be provided to DTPW for review to determine the degree of overlap between the low frequency and other acoustic drivers in the lower end of the audio spectrum (below 75 Hz).

QUESTION No.3: Summary of Work section 5 notes that there should be at least 3 zones per station. Materials list 8.1.2 calls out 2 speakers per comm room. Please clarify if the comm room speakers need a dedicated channel for back of house or if they should be connected to any of the other zones.

ANSWER No.3: Three zones are only required at the stations that have a mezzanine level. The majority of stations have only the fare collection (station entry/ground) level and the station platform. The speakers in the comm room can be connected to any zone if their addition does not exceed the stipulated 8 speaker maximum per amplifier channel. Please refer to APPENDIX A, page #9, bullet #4 for a definition of each of the three zones in the Metrorail System.

QUESTION No.4: Paging system requirements section 8.1.3 part 35 calls out an STI of 0.85. Please verify that this is the design requirement to be used in determining speaker placement, aiming, and power taps.

ANSWER No.4: Yes. STI and OSHA compliance should determine the optimal speaker placement and aiming. For the amplifier specified in the Technical Specifications, the output capability is 1250 Watts RMS per channel when configured for 70/100 volt output. With 8 speakers each rated at 60 Watts, the power output would not exceed 480 Watts RMS for each 8-speaker group. The speaker power taps shall therefore be set for the maximum power input of 60 watts for the speakers as provided in the APPENDIX A.

Email from Mr. Yordan Castaneda, from Canseco Electrical Contractors, Inc; on August 25, 2023, at 9:44 AM (Email Attached).

QUESTION No.1: I'm curious about some of the wording. DTPW want IP addressed devices but then they want to use 70/100-volt audio speakers. Is DTPW just looking for controllers

to be on the network? The new paging systems are all IP enabled from the controllers all the way out to the speakers.

ANSWER No.1: Speakers are passive analog devices and are therefore not designed to be included in an ethernet network. The Audio Power amplifiers that will provide analog audio to the speakers will be IP addressable.

QUESTION No.2: Is DTPW going to provide the paging system? or are you looking for us to come up with a solution to use?

ANSWER No.2: Contractor to furnish and install the paging system, please refer to the solicitation documents, regarding what is required to be furnished by the contractor.

QUESTION No.3: Documents mention reusing SCU's (Station Control Units) what brand are they?

ANSWER No.3: The SCU are HP servers that support proprietary software owned by the County.

QUESTION No.4: Is there a particular manufacturer in mind that DTPW want to use and/or stay with?

ANSWER No.4: Please refer to page 46 in APPENDIX A for the Salient characteristics of the equipment that is to be provided under this contract.

QUESTION No.5: Do existing data switches have enough open ports for new IP/POE Devices

ANSWER No.5: This is an internal DTPW/ITD item. No POE items the ports will be assigned by ITD.

END OF REQUEST FOR INFORMATION No. 1

Sincerely,



Alfredo E. Muñoz, P.E.
Chief, Capital Improvements Division
Department of Transportation and Public Works (DTPW)

AM:mm

cc:

Marco Movilla, DTPW	Katherine Fernandez, DTPW
Eric Perez, ISD	Colin Armorer, DTPW
Laurie Johnson, ISD	Harry Francillon, DTPW
Clerk of the Board	Winston Fletcher, DTPW

**METRORAIL PUBLIC ADDRESS
SYSTEM REPLACEMENT**

RPQ NO. TP-000008807

REQUEST FOR INFORMATION NO.1
(RFI)

ATTACHMENTS

(NOTE: For Informational Purpose Only)



SUMMARY OF WORK
METRORAIL PUBLIC ADDRESS AND
VARIABLE MESSAGE SIGNAGE IMPLEMENTATION PROJECT

- Furnish and install conduit and speaker wiring for Station Audio Drivers/Speakers on the platform levels at all Stations. The number and location of Low Frequency drivers required at each station shall be determined by Acoustic Modeling to meet the requirements of sound coverage as defined in Section 8.1.3 of the SUMMARY OF WORK.
- All hardware used to affix electrical conduit and speaker brackets to the existing station structure, shall be stainless steel, included all concrete and other type screws, washers, and all other mounting hardware.
- At the Government Center station, furnish and install Audio Paging speakers on the second-floor fare collections zone.
- To provide adequate sound coverage and speech intelligibility as defined in SECTION 16821-3-3 of the Technical Specifications, and at the level at the top of the second-floor escalators/stairs that lead to the station platform in the Government Center station. Install speakers on the third-floor transition level to provide adequate sound coverage and speech intelligibility as defined in SECTION 16821-3 of the Technical Divisions document.
- At the platform level, the speakers shall be horizontally mounted and shall be mirror imaged with the speaker on the opposite side of the station platforms. The high-end drivers shall be mounted towards the station tracks.
- **SPEAKER MOUNTING LOCATIONS –**
At the other non-platform levels (zones), speakers shall be symmetrically located with respect to the zone’s architectural layout and connected in a manner similar to the connectivity methodology defined in DIAGRAM #2.
- Follow the manufacturer’s recommendations for mounting supplied speaker brackets on a masonry surface.
- Speakers shall be down tilted by a number of degrees necessary to provide the maximum sound coverage as defined in Section 8.1.3.49 of the SUMMARY OF WORK.
- **WIRING BETWEEN AMPLIFIERS AND DISTRIBUTION BLOCKS –** The wiring from the Paging Amplifiers shall be run from the Paging amplifiers to centrally located demarcation distribution blocks located in each sub-zone. Wire splicing shall not be utilized. **All Speaker cables shall be direct runs to approved distribution blocks. Wire size shall be 14 AWG.**
- **WIRING BETWEEN DISTRIBUTION BLOCKS AND SPEAKERS IN A SUB-ZONE –** The wiring to all speakers in a sub-zone shall be run from centrally located distribution blocks in each of the sub-zones to each of the speakers in the sub-zone. Wire splicing shall not be utilized. Wiring connections between speakers

Wiring Methodology for Speaker Connections and Phase Consistency.

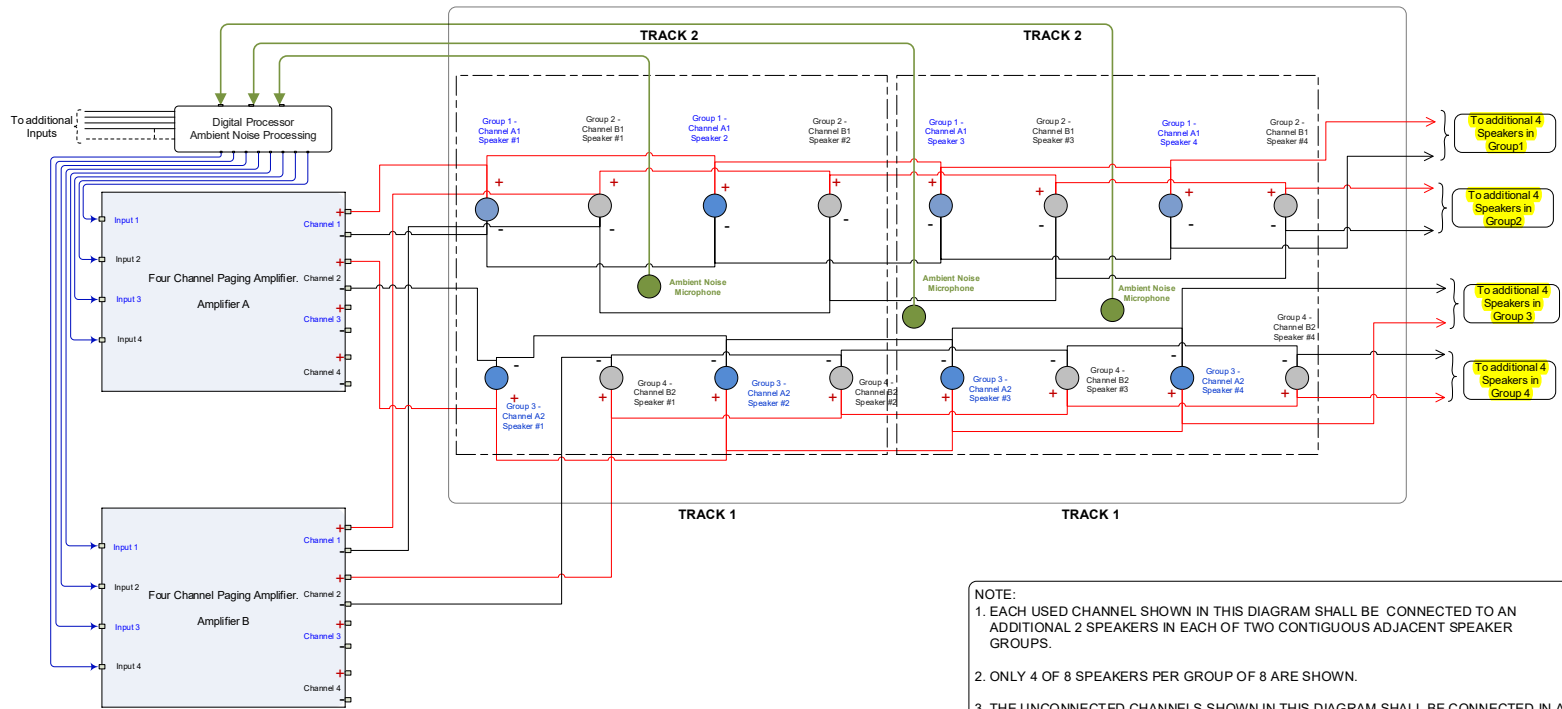
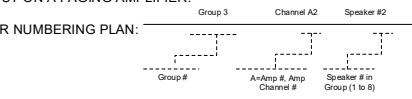


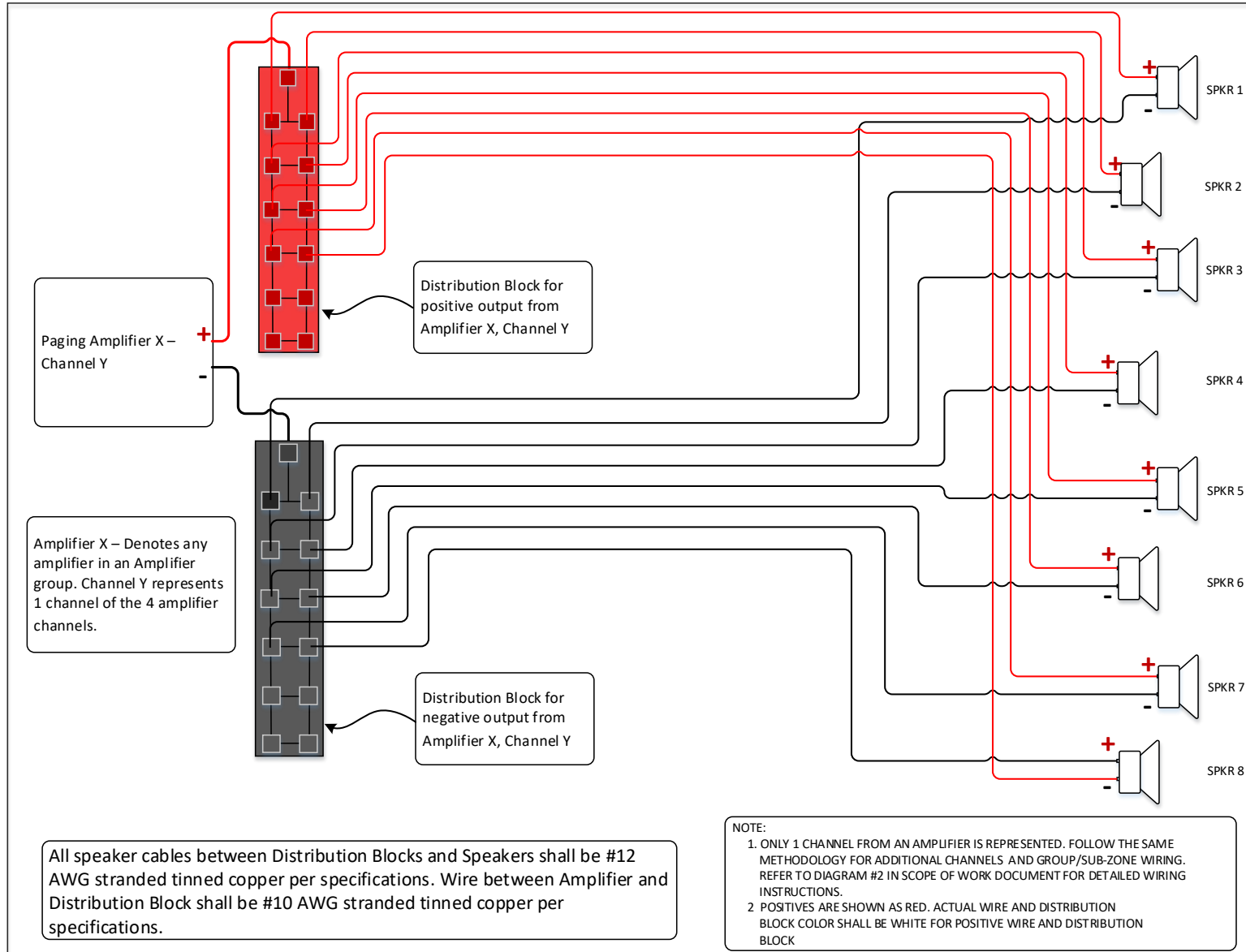
DIAGRAM #2

NOTE: The single line wiring schematic shown on this page is the electrical equivalent of the wiring procedure that is provided on page 23 of 66 in this three-page excerpt document and is not intended to be the actual wiring procedure to be used. Note that no connection blocks are shown in the wiring representation on this page. The wiring procedure on page 23 will ensure that the requirements of items 46 and 47 in APPENDIX A - SUMMARY OF WORK for RPQ No.: TP-000008807 are met.

- NOTE:
1. EACH USED CHANNEL SHOWN IN THIS DIAGRAM SHALL BE CONNECTED TO AN ADDITIONAL 2 SPEAKERS IN EACH OF TWO CONTIGUOUS ADJACENT SPEAKER GROUPS.
 2. ONLY 4 OF 8 SPEAKERS PER GROUP OF 8 ARE SHOWN.
 3. THE UNCONNECTED CHANNELS SHOWN IN THIS DIAGRAM SHALL BE CONNECTED IN A SIMILAR MANNER TO THE CONNECTED CHANNELS IN NOTE 1 ABOVE.
 4. EACH OUTPUT FROM A DIGITAL SOUND PROCESSOR SHALL BE CONNECTED TO ONLY ONE INPUT ON A PAGING AMPLIFIER.
 5. SPEAKER NUMBERING PLAN:



Representation of Wiring methodology for Station Speaker connectivity.





MIAMI-DADE TRANSIT
METRORAIL PA-VMS PROJECT
APPENDIX A - SUMMARY OF WORK



41. Acoustic Drivers shall have a minimum power handling of 80 Watts when measured using the AES2-2012 standard with a direct connection (the 70/100 Volt Transformer is bypassed) to the driver's input.
42. Acoustic Driver power input shall be selectable using power taps. The maximum power tap shall be 60 Watts (AES) or more on both 70 Volt and 100 Volt lines.
43. Maximum tap power handling capacity shall be adequate to provided required Sound Pressure levels as defined in 8.1.3.22 of the SUMMARY OF WORK.
44. Acoustic Driver Horizontal dispersion shall be 80 degrees (\pm 40 degrees of horizontal axis) over a frequency range of 1.5 kHz to 18 kHz.
45. Acoustic Driver Vertical dispersion shall be 80 degrees (\pm 40 degrees of vertical axis) over a frequency range of 1.5 kHz to 18 kHz.
46. Four (4) channel Paging Amplifiers shall be used to provide adequate sound coverage, and sound pressure levels as defined in 8.1.3.22 of the SUMMARY OF WORK, and to provide diversity of coverage in the event of the failure of any one of the outputs on the Paging Amplifier. Per channel Amplifier RMS power with all channels driven shall be 1.15 dB greater than twice the total AES power ratings for an eight-speaker group that is driven from the amplifier channel.
47. Acoustic Driver wiring methods shall support diversity of connectivity to ensure continued coverage at reduced levels in the event of a failure on any of the output portions of the multi-zone Paging Amplifier. Refer to Diagram #2 of this document.
48. Paging Amplifier shall support the following output impedance and line loads: 8 ohm, 70 Volt line, and 100 Volt line.
49. The quantity and placement speakers installed shall ensure that the maximum variance in SPL at any location served by the speakers shall not be greater than 6 dB or as defined by the Project Manager or Engineer. The variance in SPL between adjacent Low Frequency speakers shall not be more than 6 dB. All sound measurements shall use Z weighting per IEC 61672.
50. All environmental enclosures except where noted shall have minimum requirements of a NEMA 4X rated and manufactured from 12 gauge Type 316L stainless steel or approved equal, and be IP 67 rated for dust and moisture ingress protection.

**METRORAIL PUBLIC ADDRESS
SYSTEM REPLACEMENT**

RPQ NO. TP-000008807

REQUEST FOR INFORMATION NO.1
(RFI)

**REQUEST FOR RELEASE OF
BUILDING PLANS & RECORDS**

NOTE: Form needs to be sent directly to Public Records at:
MDTPUBLICRECORDS@MIAMIDADE.GOV
plus Copy Miami-Dade County Employee:
Antoinette.Jean-Baptiste@miamidade.gov

RELEASE OF PLANS AND RECORDS PROCESS

General process for the release of plans and records for Miami-Dade County facilities either rented or owned.

- In accordance with Florida Statutes Section 119.071, all county facility building plans and records are exempt from public records laws.
- Individuals, companies or agencies needing to review any DTPW facility plan must do so in writing and provide justification. This will include providing project name, property & location, requestor's information, names and date of birth for corporate officers, justification for the type of plans being requested, department and department contact person.
- In order to comply with FS 119.071 (3) a 2b, non- governmental parties (developers, architects, consultants, etc.) will be required to give their Florida license (Professional Engineer, Architectural, General Contractor, etc.) number to obtain approval.
- The Miami-Dade County policy for a release of building plans requires internal and external review and approval by the Miami-Dade Police Department.
- As required by Florida State Statutes the reviewer will be asked to maintain an exempt status when retrieving documents and sign a document stating that hard copies or COs received will be safeguarded and will not be disclosed or provided to third parties.
- Fees for obtaining copies are as follows: \$.15 per single 8 x 11 page; \$.20 per 8 x 11 double-sided page; \$.30 per 11 x 17 page; and \$1.00 per certified true copy page. All certified copies will be stamped upon request.

MIAMI DADE COUNTY
DEPT. TRANSPORTATION & PUBLIC WORKS
FACILITIES PLANS

REQUESTOR'S INFORMATION

REQUESTORS NAME: _____

ADDRESS: _____

PHONE: _____

PROFESSION: Licensed Contractor# _____

Licensed Architect# _____

Licensed Engineer# _____

If you are a contractor/consultant working for Miami Dade County, indicate project name & project managers name here:

State Final Purpose for Plans:

Plans being requested:

By signing this request, I certify that the copies provided by the COUNTY will be safeguarded and will not be disclosed or provided to third parties.

Requestor's Signature

Date

Request for Release of Building Plans & Records

To ensure the timely release of information with public records exemption, including plans for county facilities; please complete the following form and submit, along with the written request of the interested party, to the Department of Transportation and Public Works at MDTPUBLICRECORDS@MIAMIDADE.GOV or by fax at 786-469-5492.

Project:	
Property & Location:	
Requestor: (company name, address and phone number)	
Name(s) & Date(s) of Birth of all Corporate Agent(s), Officer(s) OR Director(s)	
Justification: (Types of plans & Reason for request)	
Department:	Department of Transportation & Public Works
Dept. Contact Person:	James Fisher, DTPW Deputy Director

The requesting department concurs with this request and hereby seeks authorization to issue the requested documents.

 James Fisher, DTPW
 Deputy Director

 Date

Reviewed/No Concerns:

 Homeland Security Bureau Lieutenant
 Miami-Dade Police Department

 Date

**METRORAIL PUBLIC ADDRESS
SYSTEM REPLACEMENT**

RPQ NO. TP-000008807

REQUEST FOR INFORMATION NO.1
(RFI)

E-MAILS ATTACHED

From: [Edgar Lugo](#)
To: [Movilla, Marco \(DTPW\)](#)
Cc: [Clerk of the Board \(COC\)](#)
Subject: RFI - Project: Metrorail Public Address System Replacement
Date: Monday, August 7, 2023 11:33:52 AM
Attachments: [image001.png](#)

EMAIL RECEIVED FROM EXTERNAL
SOURCE

Good morning,

For the project Metrorail Public Address System Replacement,

It is necessary to have more information to estimate the quantities for each station. In this case, May you send que drawings to estimate the quantities of equipment and accessories?

Best Regards,

Edgar Lugo

Cost Estimator at Solares Electrical Services Inc.

phone: 305-717.6184

e-mail: elugo@solareselectrical.com



From: [Jeffery Steele](#)
To: [Movilla, Marco \(DTPW\)](#)
Cc: [Jason Gomez](#); [Clerk of the Board \(COC\)](#)
Subject: Solicitation - TP 000008807 (MCC 7360) - RFI's
Date: Friday, August 11, 2023 5:13:13 PM
Attachments: [image001.png](#)

EMAIL RECEIVED FROM EXTERNAL
SOURCE

Marco,

B&C Transit and it's vendors are reviewing the solicitation details and have the following RFI's;

1. Summary of Work 8.1.2 Materials list - *"The Shure 514B was discontinued by Shure back in 2019 with no stock remaining and no replacement models recommended."* Please advise desired microphone.
2. Summary of Work 13.1 - Regarding the Eaton Enclosure the manufacturer is stating that *"DTPW443048H"* is not a valid part number, please advise correct part number, or provide the contact information for the local Graybar supplier contact that can provide the correct information needed to obtain a quotation for the subject enclosure.

Thank you,

Jeffery B. Steele

V.P. Business Development

B&C TRANSIT INC

1924 Franklin Street

Suite 200

Oakland, CA 94612

+1 510-593-5618 M

From: [Viaud, Daniel \(DTPW\)](#)
To: [Movilla, Marco \(DTPW\)](#)
Subject: FW: Metrorail PA System Replacement
Date: Wednesday, August 16, 2023 3:14:47 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)

Hi Marco,

Please see email below, the contractor is requesting for the project plans.

Thanks

Daniel Viaud, Administrative Officer 1

Capital Improvements Division
Department of Transportation and Public Works
111 NW 1st Street, Suite 1410 - Miami, Florida 33128-1970
Phone: 305.375.5309 <https://www.miamidade.gov/apps/isd/StratProc/Home/CurrentSolicitations>

From: Rick Scharmann <Rick.Scharmann@solotech.com>
Sent: Wednesday, August 16, 2023 2:13 PM
To: Viaud, Daniel (DTPW) <daniel.viaud@miamidade.gov>
Cc: Mark Wilson <Mark.Wilson@solotech.com>
Subject: RE: Metrorail PA System Replacement

EMAIL RECEIVED FROM EXTERNAL SOURCE

Daniel –

Thank you for forwarding this link to us.

1. There is a problem with one of the files. The file titled '202300298493_1_DIV17_DIV17A.pdf' will not open and is showing a 'corrupted' message. Please resend this file.
2. We have been informed that there are plans available for each of the 22 Metrorail stations. Please forward these plans to us.

Thank you.

Rick Scharmann

Rick.Scharmann@solotech.com

T +1 305-891-1000 ext 4202

SOLOTECH

Solotech Sales & Integration USA INC.
1375 NE 123 St.

From: [Jose Chao](#)
To: [Movilla, Marco \(DTPW\)](#)
Cc: [Andres Solares; Clerk of the Board \(COC\)](#)
Subject: RPQ No TP-0000008807 Metrorail Public Address System Replacement
Date: Thursday, August 17, 2023 1:48:39 PM
Attachments: [RFI #1 Solares Electrical Questions 8-17-2023.pdf](#)

EMAIL RECEIVED FROM EXTERNAL
SOURCE

Hi Marco:

Find in attachment our RFI# 1 on the project No IRP096, RPQ No TP-0000008807 Metrorail Public Address System Replacement

Thanks

Jose Chao
Information & Technology.
Solares Electrical Services Inc
10520 NW 26th Street #C-101
Miami, FL 33172
www.solareselectrical.com
P: 3057176184
F: 3057157047
jchao@solareselectrical.com

Title: Metrorail Public Address System Replacement

RPQ No. TP-0000008807

Project No. IRP096

Date: 8/17/2023

RFI#1

Submitted To		Submitted By	
Marco Movilla Marco.Movilla@miamidade.gov		Solares Electrical Services, Inc.	
Subject	Discipline	Co-Author	Copies to
RFI	Technical	Jose Chao	File Clerk of the Board
Cost Impact		Schedule Impact	Drawing Impact
yes		yes	yes
Information Request		Date Required:	
<p>As per BID documents, this Project is for the replacement of “..Platform Speakers, Intermediated levels, ground/entry levels, ground/fare collection levels, and Train Control and Communication rooms...”</p> <p><u>Question No 1:</u></p> <p>At all existing Metrorail Stations, there are PA Speakers at each room within the Ancillary Facility, for example: Vizcaya Station has 15 speakers covering Rooms 111, 110, 108, 107, 106, 101, 112, 105, 104, 113, 109 and 103. At least this is what is shown in the As Built Plans. Are we leaving out of this installation the speakers at rooms within the Ancillary Facility? You only included two Speakers at the Train Control and Communication Room (107,108)</p> <p><u>Question No 2:</u></p> <p>Can you provide information on the Vendor that is currently responsible for the maintenance of the PIS system? Meaning the contractor that is in charge of the Station Controller Unit function and the Software that sends the digital audio messages to the PA system.</p>			

From: [Jose Chao](#)
To: [Movilla, Marco \(DTPW\)](#)
Cc: [Andres Solares; Clerk of the Board \(COC\)](#)
Subject: RE: RPQ No TP-000008807 Metrorail Public Address System Replacement
Date: Thursday, August 17, 2023 2:08:32 PM
Attachments: [RFI #2 Solares Electrical Questions 8-17-2023.pdf](#)

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SOURCE

Marco:

Find in attachment our RFI# 2 on the project No IRP096, RPQ No TP-000008807 Metrorail Public Address System Replacement

Thanks

Jose Chao
Information & Technology.
Solares Electrical Services Inc
10520 NW 26th Street #C-101
Miami, FL 33172
www.solareselectrical.com
P: 3057176184
F: 3057157047
jchao@solareselectrical.com

Title: Metrorail Public Address System Replacement

RPQ No. TP-0000008807

Project No. IRP096

Date: 8/17/2023

RFI#2

Submitted To		Submitted By	
Marco Movilla Marco.Movilla@miamidade.gov		Solares Electrical Services, Inc.	
Subject	Discipline	Co-Author	Copies to
RFI	Technical	Jose Chao	File Clerk of the Board
Cost Impact		Schedule Impact	Drawing Impact
yes		yes	yes
Information Request		Date Required:	
<p>As per the station's configuration, the speaker cables are running from the platform canopy to the cable tray then dropping to the Control and Communication room. So, the installation of new speaker cables and the Ambient Noise MIC cable will be through the cable tray.</p> <p><u>Question No 1:</u></p> <p>During what hours will be possible the Cable Tray Opening and Closing? Any special Direction from Miami Dade Transit on how to perform this task? What about the need for escort personnel during these hours? Assuming that the only time available to perform this task is while the train is off and the track power is off.</p> <p><u>Question No 2:</u></p> <p>What will happen if during a Cable Tray Opening, we encounter a Rat Infestation? Any directions from Miami Dade Transit on how to proceed? Do you have a contingency Plan if this case come to realization?</p>			

From: [Viaud, Daniel \(DTPW\)](#)
To: [Movilla, Marco \(DTPW\)](#)
Cc: [Fernandez, Katherine \(DTPW\)](#)
Subject: RE: Metrorail PA System Replacement
Date: Thursday, August 17, 2023 4:37:12 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)

Marco,

Please see email below. The contractor is requesting to push back the bid due date 4 weeks.

Thanks n

Daniel Viaud, Administrative Officer 1

Capital Improvements Division
Department of Transportation and Public Works
111 NW 1st Street, Suite 1410 - Miami, Florida 33128-1970
Phone: 305.375.5309 <https://www.miamidade.gov/apps/isd/StratProc/Home/CurrentSolicitations>

From: Rick Scharmann <Rick.Scharmann@solotech.com>
Sent: Thursday, August 17, 2023 4:35 PM
To: Viaud, Daniel (DTPW) <daniel.viaud@miamidade.gov>
Cc: Mark Wilson <Mark.Wilson@solotech.com>
Subject: FW: Metrorail PA System Replacement

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Daniel –

In addition to the items mentioned below, please forward to us a copy of the sign-in sheet for the pre-bid meeting.

As this project is very much a design/build project, and a significant amount of engineering will be required to confirm compliance with the standards specified, a significant amount of time will be required. It is for this reason that we request your consideration of a significant extension of the bid date. Four weeks is requested.

Thank you.

Rick Scharmann

Rick.Scharmann@solotech.com

T +1 305-891-1000 ext 4202

SOLOTECH

From: [Jose Chao](#)
To: [Movilla, Marco \(DTPW\)](#)
Cc: [Andres Solares; Clerk of the Board \(COC\)](#)
Subject: RPQ No TP-0000008807 Metrorail Public Address System Replacement
Date: Friday, August 18, 2023 12:39:20 PM
Attachments: [RFI #3 Solares Electrical Questions 8-18-2023.pdf](#)

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SOURCE

Hi Marco:

Find in attachment our RFI# 3 on the project No IRP096, RPQ No TP-0000008807 Metrorail Public Address System Replacement

Thanks

Jose Chao
Information & Technology.
Solares Electrical Services Inc
10520 NW 26th Street #C-101
Miami, FL 33172
www.solareselectrical.com
P: 3057176184
F: 3057157047
jchao@solareselectrical.com

Title: Metrorail Public Address System Replacement

RPQ No. TP-0000008807

Project No. IRP096

Date: 8/18/2023

RFI#3

Submitted To		Submitted By	
Marco Movilla Marco.Movilla@miamidade.gov		Solares Electrical Services, Inc.	
Subject	Discipline	Co-Author	Copies to
RFI	Technical	Jose Chao	File Clerk of the Board
Cost Impact		Schedule Impact	Drawing Impact
yes		yes	yes
Information Request		Date Required:	
<p><u>Question No 1:</u></p> <p>As per BID Document: APPENDIX A, Summary of Work, Page 10 of 66 and Page 11 of 66 Topic WIRING BETWEEN DISTRIBUTION BLOCKS AND SPEAKERS IN A SUB-ZONE it reads “.....Pass-through wiring and/or daisy chain wiring methods between speakers shall not be permitted. All speaker cables shall be direct run to approved distribution blocks. “ But the diagram shown on page 21 of 66 shows a daisy chain connection.</p> <p>Please can you clarify if we can use the daisy chain method between speakers or if we must run one dedicated cable for each speaker from the terminal block to the speaker.</p> <p><u>Question No 2:</u></p> <p>As per the typical station configuration, few stations like Vizcaya have two PA speakers at the Fare/Collection Area Canopy. This portion of the building is separated by air from the station building, so there is no way to run overhead conduit to the Control and Communication Room. So, we only see one option:</p> <p>Removing the existing speaker cable that runs in a conduit that drops inside a column to underground then to the TCR. Replace it with the new cable. Then installing the new Speakers next to the existing embedded boxes on the canopy.</p> <p>Can we have additional instructions on how to proceed?</p> <p><u>Question No 3:</u></p> <p>Since we are running new microphone cable and hybrid mic cable for the Ambient Noise Sensing Microphone and the cables are passing through the cable tray, please can you provide Part Numbers the same way you did for the speaker cable?</p>			

Question No 4:

We found that the Northside Station was repeated in the BID documents charts and/or lists.

Question No 5:

Can you provide information on the person responsible for the SCADA and/or Network?

From: [Jose Chao](#)
To: [Movilla, Marco \(DTPW\)](#)
Cc: [Andres Solares; Clerk of the Board \(COC\)](#)
Subject: RE: RPQ No TP-000008807 Metrorail Public Address System Replacement
Date: Monday, August 21, 2023 10:28:21 AM
Attachments: [RFI #4 Solares Electrical Questions 8-21-2023.pdf](#)

EMAIL RECEIVED FROM EXTERNAL
SOURCE

Good morning, Marco:

Find in attachment our RFI# 4 on the project No IRP096, RPQ No TP-000008807 Metrorail Public Address System Replacement

Thanks

Jose Chao
Information & Technology.
Solares Electrical Services Inc
10520 NW 26th Street #C-101
Miami, FL 33172
www.solareselectrical.com
P: 3057176184
F: 3057157047
jchao@solareselectrical.com

Title: Metrorail Public Address System Replacement

RPQ No. TP-0000008807

Project No. IRP096

Date: 8/21/2023

RFI#4

Submitted To		Submitted By	
Marco Movilla Marco.Movilla@miamidade.gov		Solares Electrical Services, Inc.	
Subject	Discipline	Co-Author	Copies to
RFI	Technical	Jose Chao	File Clerk of the Board
Cost Impact		Schedule Impact	Drawing Impact
yes		yes	yes
Information Request		Date Required:	
<p><u>Question No 1:</u></p> <p>As per the topic "SUMMARY OF WORK", Page 8 of 66, call for "Supply and Install Hand-held microphones to replace all existing windscreen/fire hose cabinet microphones"..... But like part of RPQ No 418861 IRP276, 2 new Shure 527B Hand-Held microphones were provided and installed to all Single Platform Stations, and 4 same MIC to all Double Platform Stations. Also, the MIC cable was replaced at the same location, with BELDEN Cable Part No 8723.</p> <p>Please can you clarify the number of microphones needed under this project, for what station and the desired location withing the station. Are we providing this MIC only for the TCR location?</p> <p><u>Question No 2:</u></p> <p>Can you provide approximate location or distances for the New Audio Cabinet installation within the Train Control and Communication Room? Distance from the Cable tray, from the existing UPS. Approximate conduit and wire distances will be helpful.</p> <p><u>Question No 3:</u></p> <p>We are familiar with Government Center Station, and we know that the only way to replace the speaker cables is by demolishing/pulling out existing cables and reusing the existing cable paths. This station is special since the Train Control Room is located on the 3rd Level at the SPCC Building. Speaker cables coming from the Platforms, concourse levels and Revenue area, drops to ground level and goes through few manholes all the way to SPCC building and rise to the 3rd floor.</p> <p>Do you agree that we must use any means and method for the new installation? Impacting the current/existing PA functionality.</p>			

From: [Jeffery Steele](#)
To: [Movilla, Marco \(DTPW\)](#)
Cc: [Jason Gomez](#); [Clerk of the Board \(COC\)](#); [Muñoz, Alfredo \(DTPW\)](#)
Subject: Re: Solicitation - TP 0000008807 (MCC 7360) - RFI's
Date: Thursday, August 24, 2023 12:28:19 PM
Attachments: [image003.png](#)
[image004.png](#)

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Marco,

After further review of the RFP documents we have four additional questions;

1. The diagram of section 8.1.3 appears to show the signal processor connecting to the amplifiers for via discrete wiring/cabling per input. With a minimum of 3 zones with 2 outputs per zone, the windscreen microphone inputs, ambient noise microphone inputs, and SCU audio interfaces, the number of input/output channels on the BSS BLU-806A is likely exceeded. Please confirm that the BLU-326DA is agreeable for the expander chassis if additional inputs/outputs are required.
2. Summary of Work section 5 and other sections call out low frequency speakers/drivers in addition to full range speakers. Please confirm that A/B speaker wiring, zoning (2 channels with max 8 speakers per channel per zone), and dedicated LF speakers channels are required (this is implied, but unclear currently). This would lead to a minimum of 4 channels per zone with a minimum of 3 zones, leading to a total of 3+ amplifiers pending the quantity of speakers and back of house speaker question response.
3. Summary of Work section 5 notes that there should be at least 3 zones per station. Materials list 8.1.2 calls out 2 speakers per comm room. Please clarify if the comm room speakers need a dedicated channel for back of house or if they should be connected to any of the other zones.
4. Paging system requirements section 8.1.3 part 35 calls out an STI of 0.85. Please verify that this is the design requirement to be used in determining speaker placement, aiming, and power taps.

Thank you,
Jeff Steele
+1 510-593-5618 M

From: Movilla, Marco (DTPW) <Marco.Movilla@miamidade.gov>
Date: Tuesday, August 22, 2023 at 6:57 AM
To: Jeffery Steele <jsteele@bnctransit.com>
Cc: Jason Gomez <jgomez@bnctransit.com>, Clerk of the Board (COC) <Clerk.Board@miamidade.gov>, Muñoz, Alfredo (DTPW) <Alfredo.Munoz@miamidade.gov>
Subject: RE: Solicitation - TP 0000008807 (MCC 7360) - RFI's

Good afternoon Mr. Steele,

The Department is currently working on answering multiple questions at the moment; and should be able to release, and/or, publish such RFI in the coming days.

Please, proceed to monitor the link below, in the coming days, since the answers will be posted in here:

[Miami Dade Procurement](#)

Best regards,

Marco Movilla, Engineer II
Capital Improvements Division
Department of Transportation and Public Works
Phone: 305-375-3267



111 NW 1st Street, Suite 1410, Miami, FL 33128 – 1970

For current solicitations information go to: <https://www.miamidade.gov/apps/isd/StratProc/Home/CurrentSolicitations>

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From: Jeffery Steele <jsteele@bnctransit.com>
Sent: Tuesday, August 22, 2023 12:50 PM
To: Movilla, Marco (DTPW) <Marco.Movilla@miamidade.gov>
Cc: Jason Gomez <jgomez@bnctransit.com>; Clerk of the Board (COC) <clerkbcc@miamidade.gov>
Subject: Re: Solicitation - TP 0000008807 (MCC 7360) - RFI's

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Marco,

Any timeframe on when these questions may be answered?

Thank you,
Jeff

From: Jeffery Steele <jsteele@bnctransit.com>
Date: Friday, August 11, 2023 at 11:12 AM
To: Marco.Movilla@miamidade.gov <Marco.Movilla@miamidade.gov>
Cc: Jason Gomez <jgomez@bnctransit.com>, clerkbcc@miamidade.gov <clerkbcc@miamidade.gov>

Subject: Solicitation - TP 0000008807 (MCC 7360) - RFI's

Marco,

B&C Transit and it's vendors are reviewing the solicitation details and have the following RFI's;

1. Summary of Work 8.1.2 Materials list - *"The Shure 514B was discontinued by Shure back in 2019 with no stock remaining and no replacement models recommended."* Please advise desired microphone.
2. Summary of Work 13.1 - Regarding the Eaton Enclosure the manufacturer is stating that *"DTPW443048H"* is not a valid part number, please advise correct part number, or provide the contact information for the local Graybar supplier contact that can provide the correct information needed to obtain a quotation for the subject enclosure.

Thank you,

Jeffery B. Steele

V.P. Business Development

B&C TRANSIT INC

1924 Franklin Street

Suite 200

Oakland, CA 94612

+1 510-593-5618 M

From: [Canseco Electrical Contractors](#)
To: [Movilla, Marco \(DTPW\)](#)
Cc: [Clerk of the Board \(COC\); Barbara Canseco](#)
Subject: RPQ No: TP-0000008807 Metrorail Public Address System Replacement RFI
Date: Friday, August 25, 2023 9:42:44 AM
Attachments: [RFI # 01 - 08.25.23 - RPO-TP-0000008807 - Metrorail Public Address System Replacement.pdf](#)
Importance: High

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Good morning,

Attached please find RFI # 01 - 08.25.23 - RPQ-TP-0000008807 - Metrorail Public Address System Replacement.

Thank you,

Contact us if you have any questions, comments, or concern.
Sincerely,

Yordan Castaneda
CANSECO ELECTRICAL CONTRACTORS, INC.
Email: cec@cansecoelectric.com
Off: [\(305\) 265-9909](tel:(305)265-9909)
Fax: [\(305\) 265-9945](tel:(305)265-9945)

"Get a Plan.....Be Prepared....."

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RFI # 01

To:	Department of Transportation and Public Works	Date:	August 25, 2023
Attn:	Marco Movilla	From:	Canseco Electrical Contractors, Inc.
Email:	Marco.Movilla@miamidade.gov	Sent by:	Yordan Castaneda
RPQ No:	TP-000008807	Email:	Cec@cansecoelectric.com
Project Name:	Metrorail Public Address System Replacement		
Address:	111 North West 1st ST, 17th floor, Miami FL, 33128		
Arch & EOR:		Pages:	1
Subject:	Public Address System		

Clarify the following:

- I'm curious about some of the wording. DTPW want IP addressed devices but then they want to use 70/100-volt audio speakers. Is DTPW just looking for controllers to be on the network? The new paging systems are all IP enabled from the controllers all the way out to the speakers.
- Is DTPW going to provide the paging system? or are you looking for us to come up with a solution to use?
- Documents mention reusing SCU's (Station Control Units) what brand are they?
- Is there a particular manufacturer in mind that DTPW want to use and/or stay with?
- Do existing data switches have enough open ports for new IP/POE Devices

Note:

Thank you.

cc: CEC Project 23096

Possible RFI Effects:

- Potential time impact: – Unknown at this time.
- Potential cost impact: – Unknown at this time.