



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 13, 2023

RESPONSE LETTER NO. 2 TO REQUEST FOR INFORMATION

Project Title: **Metrorail Public Address System Replacement**
Project No.: **TP-000008807**

Email from Mr. Rick Scharmann, from SoloTech; on August 29, 2023, at 2:25 PM (Email Attached).

QUESTION No.1: Please provide detailed information on the existing SCADA Network. At a minimum, please provide a list of all components including manufacturer, model, quantity, and where in the Station they are located.

ANSWER No.1: The contractor is not responsible for any work or configuration changes to the SCADA network switches or for any other modifications to any other network equipment that resides on the SCADA Network. References to the SCADA network were included only to ensure that any equipment that was furnished and which are designed to reside on an ethernet network must comply with the requirements as defined in APPENDIX A, page 43 of 66, Item # 26, titled: SYSTEM ELEMENTS ETHERNET NETWORK REQUIREMENTS.

QUESTION No.2: Please provide detailed information on the existing Ethernet Network. At a minimum, please provide a list of all components including manufacturer, model, quantity, and where in the Station they are located.

ANSWER No.2: Please refer to ANSWER #1.

QUESTION No.3: The ITB states with reference to Plans / Drawings "The station layouts will be provided to the awarded contractor." This information is needed now. This is very much a design/build project and the Contractor is responsible for proper layout and coverage of the speakers and ambient noise sensors. Consequently, layouts of each of the 22 Metrorail Stations is

needed prior to the bid so that the required engineering and calculations can be made.

ANSWER No.3: Please refer to answer to question number 1 under RFI 1

QUESTION No.4: With reference to the item above, it is for this reason that a minimum of four weeks will be required after these drawings have been provided. A significant extension of the bid date is required.

ANSWER No.4: Bid submittal date has been postponed for two weeks under addendum No. 1.

QUESTION No.5: Spec 8.1.1. states "All Acoustic Drivers/Speakers shall be listed by an OSHA Nationally Recognized Testing Laboratory for Outdoor use, and shall be designed by the OEM for use with a 70/100 volt paging amplifier . . ." The specified Klipsch AW-650 does not meet this requirement, as it is listed only for 8 ohm operation and does not include a 70-volt transformer. See spec sheet attached.

ANSWER No.5: Please ignore any reference to model AW-650. Please refer to addendum No. 2. New model is CA-650T.

QUESTION No.6: Please explain the requirements for Fiber Optic Cables. What equipment will fiber optic cables be connected to on both ends? Diagrams would be helpful.

ANSWER No.6: The reference to fiber optic cables was included to ensure compliance with the requirements of APPENDIX A only if the means that were to be used by the contractor required the use of fiber optic cable.

QUESTION No.7: Will Water-Blocked cables be required for speaker and microphone circuits?

ANSWER No.7: Cables to be provided under the ITB and which will be used in an outdoor environment must meet the following requirements: (1) Must comply with all NFPA and NEC requirements for the cables' intended use, (2) must be approved for use in wet locations or for direct burial and (3) must be UL Listed.

QUESTION No.8: Please provide information on the existing Fire Alarm System. At a minimum, please provide a list of all components including manufacturer, model, quantity, and where in the Station they are located.

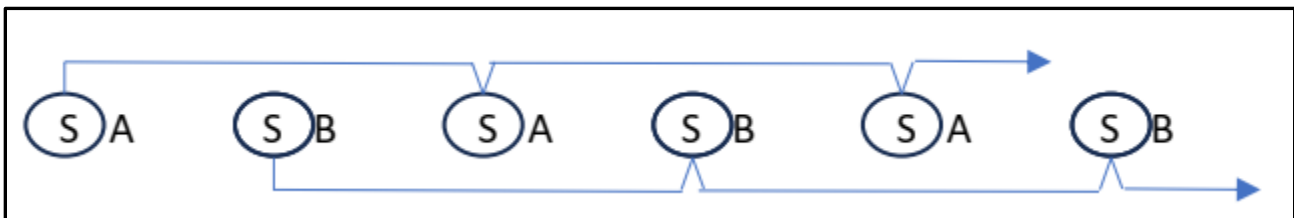
ANSWER No.8: References to the Fire Alarm System were included in the Solicitation Documents if the methods that were to be used by the contractor to mute the Public Address System announcements during emergency conditions required a signal from the Fire Alarm Panel. The Fire Alarm Panel can provide either a normally open or normally closed contact that can be used to mute the Public Address System. Fire Alarm Panels are located in the same Train Control and Communications room in which the new Public Address equipment is to be installed as defined in the APPENDIX A. **PLEASE NOTE.** The muting functionality is already implemented but it was included in the event contractor proposed an alternative means of muting the Public Address System Audio using the normally or normally closed contact signal from the Fire Alarm Panels.

QUESTION No.9: Please provide information on the existing UPS System.

ANSWER No.9: The existing UPS is the EATON 9390. The UPS system feeds a dedicated panel located in the Train Control and Communications Rooms.

QUESTION No.10: The specs state that each speaker zone should not have more than eight (8) speakers, but makes no stipulation with regard to spacing. In similar applications it is common practice to alternate adjacent speakers into separate zones, so that if one zone should fail, that area would not lose total communication. For example, see diagram below.

Illustration:



ANSWER No.10: This wiring method is specified in APPENDIX A, page 21 of 66, Diagram #2.

Email from Mr. Jose Chao, from Solares Electrical Services, Inc; on August 29, 2023, at 3:21 PM (Email Attached).

QUESTION No.1: After reviewing Government Center Station existing PA system, we found that this station has the biggest quantity of existing speakers, that includes ceiling mounted speakers at ground level (Approximately 32 Speakers), at the next level “DPM level”, fare collection area that share space with Peplemover, has approximately 32 Speakers, then E/W level has 66 Speakers and finally Platform level 62 Speakers. At Electrical Equipment and Switchgear Room the station has 5 ceiling mounted Speakers, and at SPCC 3rd Level Train Control Room we are supposed to install two monitor Speakers.

Are we providing and installing only two models of Speakers? What about embedded speakers at ground level Lobby? Please can you elaborate about the existing PA system, reusing conduits and junction boxes, and replacing cables at this station while the current system remains active?

Note: Our counts are based in the original design back to 1983, we are not sure if the original speaker quantities remain the same.

ANSWER No.1: Embedded speakers may be used in the application referenced in this question. The recommended speakers are the Klipsch model number C-500-T-SC. This make/model was also the recommended speaker referenced in response to question #2 on page 5 of 8 in the response to RFI 1. Existing conduits and wiring may be reused if all electrical requirements are met for the existing speaker cable. The operation of the existing Public Address System functionality must not be degraded during the work on the Government Center Station.

Email from Mr. Yordan Castaneda, from Canseco Electrical Contractors, Inc; on September 7, 2023, at 2:51 PM (Email Attached).

QUESTION No.1: Does this project need to comply with any by American made acts?

ANSWER No.1: The subject project is funded with Miami Dade County Funds (local funds). Any provisions referring to federal requirements do not apply to this project. The subject project will still need to meet with requirements referred to Buy American. Moreover, prospect bidders must ensure to comply with the National Defense Authorization Act for Fiscal Year 2023 (“FY2023 NDAA”). Section 5949 of FY2023 NDAA (“Section 5949”) which prohibit the use of products that have electronic parts, products, or services that includes covered semiconductor products or services from certain Chinese companies.

Miami-Dade County has passed Resolution# 220398, which supports the National Defense Authorization Act (NDAA). Any equipment provided must comply with the restrictions as provided in the NDAA. This Statement will be highlighted on the Quality Assurance Plans for reference only under Addendum No.2).

END OF REQUEST FOR INFORMATION No. 2

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-0000008807

REQUEST FOR INFORMATION NO.2 (RFI)

E-MAILS ATTACHED

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: Tuesday, August 29, 2023 3:17:21 PM
Attachments: [RFI #5 Solares Electrical Questions 8-29-2023.pdf](#)

EMAIL RECEIVED FROM EXTERNAL
SOURCE

Good afternoon, Marco:

Find in attachment our RFI# 5 on the project No IRP096, RPQ No TP-0000008807 Metrorail Public Address System Replacement

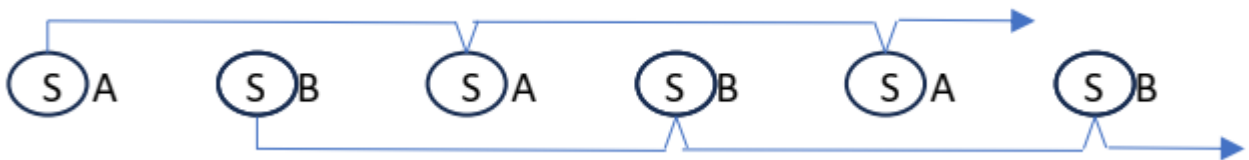
Thanks

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

Metrorail Public Address System Replacement
RPQ No: TP-0000008807

Pre-bid RFI 001

- Please provide detailed information on the existing SCADA Network.
 - At a minimum, please provide a list of all components including manufacturer, model, quantity, and where in the Station they are located.
- Please provide detailed information on the existing Ethernet Network.
 - At a minimum, please provide a list of all components including manufacturer, model, quantity, and where in the Station they are located.
- The ITB states with reference to Plans / Drawings “The station layouts will be provided to the awarded contractor.” This information is needed now. This is very much a design/build project and the Contractor is responsible for proper layout and coverage of the speakers and ambient noise sensors. Consequently, layouts of each of the 22 Metrorail Stations is needed prior to the bid so that the required engineering and calculations can be made.
- With reference to the item above, it is for this reason that a minimum of four weeks will be required after these drawings have been provided. A significant extension of the bid date is required.
- Spec 8.1.1. states “All Acoustic Drivers/Speakers shall be listed by an OSHA Nationally Recognized Testing Laboratory for Outdoor use, and shall be designed by the OEM for use with a 70/100 volt paging amplifier . . .” The specified Klipsch AW-650 does not meet this requirement, as it is listed only for 8 ohm operation and does not include a 70-volt transformer. See spec sheet attached.
- Please explain the requirements for Fiber Optic Cables. What equipment will fiber optic cables be connected to on both ends? Diagrams would be helpful.
- Will Water-Blocked cables be required for speaker and microphone circuits?
- Please provide information on the existing Fire Alarm System.
 - At a minimum, please provide a list of all components including manufacturer, model, quantity, and where in the Station they are located.
- Please provide information on the existing UPS System.
- The specs state that each speaker zone should not have more than eight (8) speakers, but makes no stipulation with regard to spacing. In similar applications it is common practice to alternate adjacent speakers into separate zones, so that if one zone should fail, that area would not lose total communication. For example, see diagram below.



Title: Metrorail Public Address System Replacement

RPQ No. TP-0000008807

Project No. IRP096

Date: 8/29/2023

RFI#5

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>After reviewing Government Center Station existing PA system, we found that this station has the biggest quantity of existing speakers, that includes ceiling mounted speakers at ground level (Approximately 32 Speakers), at the next level " DPM level" , fare collection area that share space with Peoplemover, has approximately 32 Speakers, then E/W level has 66 Speakers and finally Platform level 62 Speakers. At Electrical Equipment and Switchgear Room the station has 5 ceiling mounted Speakers, and at SPCC 3rd Level Train Control Room we are supposed to install two monitor Speakers.</p> <p>Are we providing and installing only two models of Speakers? What about embedded speakers at ground level Lobby? Please can you elaborate about the existing PA system, reusing conduits and junction boxes, and replacing cables at this station while the current system remains active?</p> <p>Note: Our counts are based in the original design back to 1983, we are not sure if the original speaker quantities remain the same.</p>			

From: [Canseco Electrical Contractors](#)
To: [Movilla, Marco \(DTPW\)](#)
Cc: [Clerk of the Board \(COC\); Barbara Canseco](#)
Subject: RPQ No: TP-000008807 Metrorail Public Address System Replacement RFI
Date: Thursday, September 7, 2023 2:17:51 PM
Attachments: [RFI # 02 - 09.07.23 - RPQ-TP-000008807 - Metrorail Public Address System Replacement.pdf](#)
Importance: High

EMAIL RECEIVED FROM EXTERNAL SOURCE

Good afternoon,

Attached please find RFI # 02 - 09.07.23 - RPQ-TP-000008807 - 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 # 02

To:	Department of Transportation and Public Works	Date:	September 7, 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:

- Does this project need to comply with any by American made acts?

Note:

Thank you.

cc: CEC Project 23096

Possible RFI Effects:

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