


# Memorandum



**Date:** July 21, 2020

**To:** Gary T. Hartfield, Division Director  
Small Business Development Division  
Internal Services Department

**From:**  Leticia Smith, Chief  
Contract Services Division  
Department of Transportation and Public Works

**Subject:** Project No.: RPQ 418861  
Project Name: Metrorail Platform Cabling Replacement  
FCSC: 8.23  
Description: Upcoming Solicitation for Construction Services under the  
Miscellaneous Construction Contract 7360 Plan  
Contract Number: RPQ 418861

---

The Department of Transportation and Public Works (DTPW) respectfully requests that the Division of Small Business Development (SBD) evaluate Project No. 418861 – Metrorail Platform Cabling Replacement for determination of Small Business Enterprise measures and/or the Community Workforce Program goal. Below are details about the project for reference purposes.

**Scope of Services** - The project is located at various Metrorail Stations and involves the furnish, construction, permitting, removal and installation of the infrastructure and cabling necessary to support the Emergency Transfer Switch, Emergency Telephone, End Gate Intrusion Alarm and Blue Light at these seventeen (17) Metrorail Stations: Okeechobee, Hialeah, Tri-Rail, Brownsville, Earlington Heights, Allapattah, Civic Center, Culmer, Overtown, Government Center, Brickell, Vizcaya, Douglas Road, University, South Miami, Dadeland North and Dadeland South. The contractor is responsible to coordinate with suppliers in the most effective manner to diligently complete the work and meet the project schedule. All work that affects Metrorail operations such as connecting the emergency button and/or installing duct banks on or near the tracks requires two weeks advance notice to obtain track allocation from DTPW. This work is required to be accomplished after revenue service hours as necessary to meet the project schedule or sequencing of the work shall be performed by the Contractor at no additional cost.

**Minimum Qualifications** - This project requires specialized equipment and license requirements to include a State of Florida Electrical Contractor. In addition, the Prime Contractor is required to have a minimum of 10 years of experience in the installation of electrical projects of similar scope and complexity as described in the project's Summary of Work. The Contractor shall provide documentation that demonstrates its ability to satisfy the minimum qualification requirements.

The attached cost estimate indicates a project construction cost of \$1,852,727.80 (Base - \$1,684,298.00 and 10% Contingency - \$168,429.80) and the funding source is People's Transportation Plan Bond Program Funds. Should you have any questions or require additional information, please feel free to contact my office via email at [Leticia.Smith@miamidadade.gov](mailto:Leticia.Smith@miamidadade.gov) or phone at (786) 469-5291.

Attachment

**DEPARTMENT INPUT**  
**CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

Check applicable Ordinance(s): ☒ 90-143 Responsible Wage and Benefits ☐ 03-237 (formerly 03-1) Community Workforce Program

**PROJECT INFORMATION**    See attachment ☒

**Contract/Project/\*Work Order No.:** RPQ 418861

\*Reference corresponding project number when submitting a work order

**Contract/Project Title:** Metrorail Platform Cabling Replacement

**Description/Scope of Work:** See attached.

**Estimated Cost:** 1,852,727.80 (inclusive of the contingency allowance)    **Funding Source:** People's Transportation Plan (PTP) Bond Program Funds

**Location of Project** (street address or beginning and ending points) i.e. 12345 NE 23<sup>rd</sup> Ct or Starts at 135 St. ends at 145 St.

**PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CWP)**    See attachment ☐

Engineer/Department or Agency's estimated required workforce for Project ☐ Work Order ☐:

Trade/Skills Required	Est. # of workforce required per trade	Est. # of total days to complete job

Comments: \_\_\_\_\_

**PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE)**    See attachment ☐

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability

**RECOMMENDATION**

**Set-Aside:** Level 1 ☐ Level 2 ☐ Level 3 ☐ Trade Set-Aside ☐ Sub-Contractor Goal ☐ Workforce Goal ☐ No Measure ☐

**Basis for Recommendation:** \_\_\_\_\_

**Date submitted to DBD:** \_\_\_\_\_

**Contact Person:** Leticia Smith

**Telephone No.:** 786-469-5291

**SECTION 01 11 00**  
**SUMMARY OF WORK**

**PART 1: General**

**1.01 Description**

In summary, this task involves providing the following services:

The Contractor will furnish, construct, permit, remove and install the infrastructure and cabling necessary to support the Emergency Transfer Switch, Emergency Telephone, End Gate Intrusion Alarm and Blue Light at the seventeen (17) Metrorail Stations listed below:

1. Okeechobee
2. Hialeah
3. Tri-Rail
4. Brownsville
5. Earlington Heights
6. Allapattah
7. Civic Center
8. Culmer
9. Overtown
10. Government Center
11. Brickell
12. Vizcaya
13. Douglas Road
14. University
15. South Miami
16. Dadeland North
17. Dadeland South

The work includes the following:

1. Replacement of the emergency button that removes power from the third rail disabling train functions.
2. Replacement of the emergency phone that provides direct communication via Cat 6e cabling to the Rail Operations at Central Control.
3. Replacement of the intrusion alarm indicator that provides notification to Rail Operations at Central Control of an intruder passing the platform end gates.

Intrusion notification is established via the fire panel with a magnetic contact closer located at the existing end gates.

4. Replacement of the blue light that provides lighting to the rail platform ends. A new LED bulb and new blue cover is required.
5. Replacement of the Plate microphones enable emergency announcements to be made in the platform area via the public address system. The microphone or microphones are to be installed on the platform area and route to the Train Control Room for final connection to the Public Address System.

The Contractor shall provide all necessary professional services, including, but not limited to electrical and telecommunication Project Manager along with specialists in Rail Power Distribution, Audio Systems, and code compliance that will be required to furnish, permit and construct the Project.

The Contractor shall furnish all services and make payment for all fees necessary to permit and secure a Certificate of Occupancy for the Project. The Contractor shall furnish all services, equipment, materials, and labor to construct, test, and commission a fully operational facility of the scope and quality that complies with the required performance and design characteristics required by the Project.

In addition the contractor will be responsible for mounting all equipment and routing all cabling from the source location which is located inside the train Control room through any interim connections to the final destination which is located on the platform on each end this is typical to all Metrorail stations. The Contractor will leave a three (3) foot pigtail at the origination and destination located for Department of Transportation and Public Works (DTPW) staff to make the final termination for equipment and system activation.

## 1.02 CONTRACT TIME

- A. The entire project consisting of all the work required by the Contract Documents shall be completed within 730 calendar days from Notice to Proceed until Contract Completion with the required Certificate of Occupancy (CO).
- B. Contractor can only work one (1) station at a time and the work must be completed within **30** calendar days.

## 1.03 REQUIREMENTS

All material and project execution shall be per Department of Transportation and Public Works (DTPW) Contract Documents.

## 1.03 WORK SCHEDULES AND CONSTRAINTS

### A. General:



Work on the traction power building or the installation of traction power equipment at the substation may proceed at any time of the day, seven days a week with the exception noted below.

**B. Schedule Constraints:**

Any work that affects Metrorail operations such as connecting the emergency button and/or installing duct banks or any other work on or near the tracks requires two weeks advance notice to obtain track allocation from DTPW; such work needs to be performed after revenue service or as directed by DTPW as necessary to meet the project schedule or sequencing of the work shall be performed by the Contractor at no additional cost to DTPW.

**C. Work within Facility**

- i. Protect existing facilities from damage. Damage to existing facilities caused by the Contractor shall be corrected by the Contractor at no cost to the Miami-Dade County (MDC).
- ii. Exercise care to avoid interference with vehicular traffic entering and leaving the existing facilities. Care shall be taken to ensure that vehicles and equipment entering and leaving the facilities cause no damage, spills, or litter to the existing access drive and parking areas. If damage, spills, or litter occur, it should be corrected immediately by the Contractor at no cost to the MDC.
- iii. The use of the existing facility areas for storage, mobilization, access, shelters, and vehicular parking will be limited to that assigned by the Owner. The Contractor shall be totally responsible for such assigned areas that they be kept orderly and clean and provided with whatever security he deems necessary. After completion of the Contract, such areas shall be restored to a condition at least to that existing before the beginning of the Contract.
- iv. Equipment controls and electrical panels in the existing facility shall be operated by DTPW's authorized operator only.
- v. Responsibility for protection and safekeeping of his equipment, materials, field offices, etc. at the construction site shall be solely that of the Contractor and no claims shall be made against Owner by reason of any act of an employee or trespasser.

**1.05 SAFETY AND SECURITY PRECAUTIONS**

- A. Access to the project site is always restricted. All personnel which will work at or visit the site shall be required to attend a training session prior to allowed access. The Contractor shall contact the Owner's Project Manager to arrange for training and site access. Owner will designate areas for construction purposes, for field offices, for the storage of materials and equipment and for access routes thereto.
- B. The Contractor is advised and cautioned that an electrified rail exists at all tracks. The Contractor must plan with the DTPW's Project Manager to assure that the electrified rail is de-activated within the areas of work.
- C. The Contractor shall be solely responsible for safety and security on the construction site and shall comply with all safety precautions and accident preventative provisions of OSHA and all applicable codes, laws, and ordinances.

**END OF SECTION**