

THIS PRINT COVERS CALENDAR ITEM NO. : 12

**SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY**

DIVISION: Capital Programs & Construction

BRIEF DESCRIPTION:

Awarding San Francisco Municipal Transportation Agency (SFMTA) Contract No. 1260R, Integrated Systems Replacement Project, to Blocka Construction, Inc. located at 4455 Enterprise Street, Fremont, CA 94538, as the lowest responsive and responsible bidder, in the amount of \$24,116,000 and for a term of 573 calendar days.

SUMMARY:

- On September 17, 2012, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1260R, Integrated Systems Replacement Project.
- The scope of work under this project includes replacing and installing the Subway Public Address/Platform Display System (PA/PDS), the Subway Facility Supervisory Control and Data Acquisition System (SCADA), the Motive Power SCADA System, the new Subway Fiber Broadband Network (FBN) System, and the new Uninterruptible Power Supplies (UPS) System.
- SFMTA received and publicly opened three bids on November 6, 2012.
- SFMTA determined that bid protests from the second and third low bidders and the appeal from the third low bidder lacked merit.
- Staff recommends awarding Contract No. 1260R to Blocka Construction, Inc. as the lowest responsive and responsible bidder, in the amount of \$24,116,000.
- Federal and local sources are providing funds for the work under this contract.

ENCLOSURES:

1. SFMTAB Resolution
2. Project Budget & Financial Plan

APPROVALS:

DATE

DIRECTOR_____

1/7/13

SECRETARY_____

1/7/13

ASSIGNED SFMTAB CALENDAR DATE: January 15, 2013

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PURPOSE

The purpose of this calendar item is to award SFMTA Contract No. 1260R, Integrated Systems Replacement Project, to Blocka Construction, Inc. in an amount not to exceed \$24,116,000 and a for term of 573 calendar days.

GOAL

Contract No. 1260R would assist in the implementation of the following goals, objectives and initiatives in the SFMTA Strategic Plan:

Goal 1: Create a safer transportation experience for everyone.

- Objective 1.1 Improve security for transportation system users.
- Objective 1.3 Improve the safety of the transportation system.

Goal 2: Make transit, walking, bicycling, taxi, ridesharing & carsharing the preferred means of travel.

- Objective 2.2 Improve transit performance.

Goal 3: Improve the environment and quality of life in San Francisco

- Objective 3.1 Reduce the Agency's and the transportation system's resource consumption, emissions, waste and noise.
- Objective 3.2 Increase the transportation system's positive impact to the economy.
- Objective 3.3 Allocate capital resources effectively.
- Objective 3.4 Deliver services efficiently.

Goal 4: Create a workplace that delivers outstanding service

- Objective 4.1 Improve internal communications.
- Objective 4.2 Create a collaborative and innovative work environment.
- Objective 4.3 Improve employee accountability.
- Objective 4.4 Improve relationships and partnerships with our stakeholders.

DESCRIPTION

Background

The Integrated Systems Replacement (ISR) project is a component of the larger Central Control and Communications (C3) Program, which includes the construction of SFMTA's new Central Control Interim Facility. The Central Control Interim Facility will house the new Transportation Management Center (TMC) and Operations Control Center (OCC), among other related vital SFMTA functions. The C3 Program will expand and modernize SFMTA's transportation central control facilities and systems to facilitate meeting SFMTA's strategic objectives of improving transit reliability, accommodating current operational needs as well as future needs of the Central

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Subway. The ISR project will provide a platform for the existing SFMTA central control functions to be seamlessly migrated from their existing locations to the new TMC and enable the future Central Subway communications systems to plug-in as one unified and integrated communications system platform.

The existing systems, which have been in service since 1970, are now well past their useful lives and are obsolete. The procurement of replacement parts for our existing systems is very challenging as parts are no longer manufactured and require custom fabrication in many cases. Our existing systems also lack the capability to support many new control features and display innovations, which are available in current technology products and are essential to providing real-time passenger information to better serve SFMTA customers.

This multi-faceted ISR Project will improve real-time passenger information and system safety, reliability, maintainability and expandability of the metro subway system by replacing/installing the following components:

1. Subway Public Address/Platform Display System (PA/PDS) – the audio and visual information system within the nine Muni Metro subway stations.
2. Facility Supervisory Control and Data Acquisition (SCADA) – the remote facilities alarm/status monitor and emergency ventilation control functions at nine Muni subway stations, Central Control and the Muni Metro turnaround.
3. Motive Power SCADA Systems - provides the remote monitoring of the 26 power substations throughout the City used for trolley buses and light rail vehicles.
4. New Subway Fiber Broadband Network (FBN) System – connects all underground infrastructures in the subway and equipment rooms.
5. Uninterruptible Power Supplies (UPS) Systems – provides back-up power to all critical communications and network systems in the event of a power outage.

The time allotted to substantially complete construction of the project is 491 calendar days from the date of the written Notice to Proceed. The Contractor shall complete all remaining work within 82 calendar days from Substantial Completion.

Bids Received

On September 17, 2012, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1260R in accordance with Board Resolution No. 09-191, which delegates, among other things, the authority to issue bid calls to the Director of Transportation.

On November 6, 2012, SFMTA's Capital Programs and Construction Division received and publicly opened three bids, which were as follows:

Bidders		Bid Amount
1	Blocka Construction, Inc.	\$24,116,000
2	L.K. Comstock National Transit, Inc.	\$24,921,000
3	Thales Transport & Security, Inc.	\$26,430,000

On November 12, 2012, SFMTA received two protests from Thales Transportation & Security, Inc. against contract bids submitted by Blocka Construction, Inc. and L. K. Comstock National Transit, Inc. SFMTA investigated the allegations and found the protests to be without merit. On December 24, 2012, SFMTA received an appeal from Thales Transportation & Security, Inc. against both other bidders. The concerns raised against L. K. Comstock National Transit, Inc. were not analyzed because that firm was not the low bidder. The Director of Transportation reviewed the concerns expressed against Blocka and found them to be without merit.

The engineer's estimate for the work was \$26,300,000. After reviewing all bids, staff has determined that Blocka Construction, Inc. is the lowest responsive and responsible bidder.

The Contract Compliance Office reviewed the bid proposals and confirmed that Blocka Construction, Inc. will meet the Small Business Enterprise (SBE) participation goal of 20 percent established for this contract and will commit to meeting the Non-discrimination Equal Employment requirements of the contract. Blocka Construction, Inc. is in compliance with Chapter 12B (Equal Benefits provision) of the San Francisco Administrative Code.

Contract documents are available for review at the Board Secretary's Office located at One South Van Ness Ave. Seventh Floor, San Francisco, CA 94103.

ALTERNATIVES CONSIDERED

The project team held discussions with Maintenance staff concerning whether the work should be done by in-house staff. The preference was to have a contractor perform the work because contractors have enough crews with electrical and construction expertise to complete the work in a timely manner with minimal impact to Operations. Staff determined that contracting the work out was the practical alternative.

FUNDING IMPACT

This contract is funded by federal grants, State Infrastructure Bonds (I-Bond) Prop 1B funds, local bridge tolls, and San Francisco County Transportation Authority Prop K sales taxes. All funding for this project (\$53 million) has been awarded.

The budget and financial plan for this project is presented in Enclosure 2.

OTHER APPROVALS RECEIVED OR STILL REQUIRED

The City Attorney has reviewed this report.

No other approvals from any other agency are required for the award of this contract.

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RECOMMENDATION

Staff recommends that the SFMTA Board of Directors award SFMTA Contract No. 1260R, Integrated Systems Replacement Project, to Blocka Construction, Inc. for a contract amount of \$24,116,000 and a term of 573 calendar days.

SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
BOARD OF DIRECTORS

RESOLUTION No. _____

WHEREAS, San Francisco Municipal Transportation Agency (SFMTA) Contract No. 1260R, Integrated Systems Replacement Project, is identified in the latest San Francisco Municipal Railway Short Range Transit Plan under the Infrastructure Program, which consists of capital projects to rehabilitate and maintain fixed guideways and make infrastructure repairs and improvements within the Central Control and Communication Program; and,

WHEREAS, The work to be performed under this project includes replacing and installing the Subway Public Address/Platform Display System, the Subway Facility Supervisory Control and Data Acquisition System (SCADA), the Motive Power SCADA System, the new Subway Fiber Broadband Network System, and the new Uninterruptible Power Supplies Systems; and,

WHEREAS, On September 17, 2012, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1260R in accordance with Board Resolution No. 09-191, which delegates, among other things, the authority to issue bid calls to the Director of Transportation; and,

WHEREAS, On November 6, 2012, the SFMTA received and publicly opened three bid proposals in response to its invitation for bids; and,

WHEREAS, On November 12, 2012, SFMTA received protests from the second and third low bidders and an appeal from the third low bidder and determined that they were all without merit; and,

WHEREAS, The SFMTA determined that Blocka Construction, Inc. located at 4455 Enterprise Street, Fremont, CA 94538, is the lowest responsive and responsible bidder, with a bid of \$24,116,000; and,

WHEREAS, The SFMTA Contract Compliance Office reviewed the bid proposals and confirmed that Blocka Construction, Inc. will meet the Small Business Enterprise participation goal of 20 percent established for this contract and will commit to meeting the Non-discrimination Equal Employment requirements of the contract; and

WHEREAS, The project is funded by Federal grants (57 percent) and by state and local funding sources (43 percent); now, therefore, be it

RESOLVED, That SFMTA Board of Directors awards SFMTA Contract No. 1260R, Integrated Systems Replacement Project, to Blocka Construction, Inc. as the lowest responsive and responsible bidder, to replace and install the Subway Public Address/Platform Display System, the Subway Facility Supervisory Control and Data Acquisition System (SCADA), the Motive Power SCADA System, the new Subway Fiber Broadband Network System, and the new Uninterruptible Power Supplies Systems; in an amount not to exceed \$24,116,000 and for a term of 573 calendar days.

I certify that the foregoing resolution was adopted by the San Francisco Municipal Transportation Agency Board of Directors at its meeting of January 15, 2013.

Secretary to the Board of Directors
San Francisco Municipal Transportation Agency

ENCLOSURE 2

Contract No. 1260R

**Integrated Systems Replacement Project
Project Budget and Financial Plan**

PROJECT BUDGET

Category	Budget
Conceptual Engineering Phase Staff Support (SFMTA, Consultant, and Other Dept. Services)	\$2,059,274
Detail Design Phase Staff Support (SFMTA, Consultant, and Other Dept. Services)	\$4,455,001
Construction Phase Construction Contract, Procurement, Contingency, and Staff Support (SFMTA, BART, Consultant, and Other Dept. Services)	\$46,696,623
Total Cost	\$53,210,898

FINANCIAL PLAN

Project Funding Source	Amount
Federal Grant	\$30,168,627
Local Grants	
Proposition K	\$15,469,901
AB664 Bridge Toll Funds	\$6,755,370
State Infrastructure Bonds (I-Bond) Prop 1B	\$817,000
Total	\$53,210,898