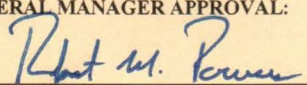
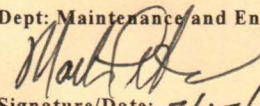
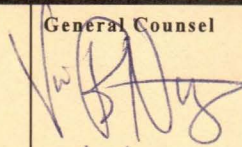
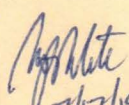





EXECUTIVE DECISION DOCUMENT

GENERAL MANAGER APPROVAL:  17 July 2019		GENERAL MANAGER ACTION REQ'D:		
DATE: 7/10/2019		BOARD INITIATED ITEM: No		
Originator/Prepared by: Mark Letman Dept: Maintenance and Engineering  Signature/Date: 7/17/19	General Counsel  7/17/19 []	Controller/Treasurer  7/17/19 []	District Secretary []	BARC  7/17/19 []

Single Source of Procurement for the Independent Public Safety Tunnel Radio System

PURPOSE:

To request Board authorization for the General Manager to enter into negotiations with Motorola Solutions, Inc. (Motorola) as the single source of procurement, in accordance with California Public Contract Code Section 20227, for an independent public safety tunnel radio system, subject to funding availability.

DISCUSSION:

Staff seeks Board authority to enter into direct negotiations for a contract with Motorola Solutions, Inc. as the single of procurement to execute a contract for the purchase of three Motorola 5-channel trunked radio base stations with new network connections to the existing City and County of San Francisco (CCSF) and East Bay Regional Communication System (EBRCSA) radio cores at a cost of \$1,930,000.

Only the specified Motorola equipment is technically and functionally compatible with the existing CCSF and EBRCSA Motorola networks. This acquisition will enable personnel of regional public safety agencies to switch automatically from above ground systems directly to underground Motorola radio systems for both routine and emergency public safety operations in BART tunnels. In order to ensure full compatibility with the existing Motorola networks, Staff proposes a single source procurement of Motorola equipment. No other equipment would be fully compatible with the existing Motorola systems of EBRCSA and CCSF.

Public radio systems in tunnels are essential to BART Operations and incident command staff and are utilized for critical communication among the BART Operations Control Center (OCC), train operators, maintenance staff, BART Police Dispatch, and law enforcement officials. BART's OCC requires the capability to override automated train operation controls (ATO) by issuing radio instructions to train operators. The proposed independent public safety tunnel radio system (the Project) creates greater interoperability of public radio communications between the various public safety agencies.

The BART System extends through multiple cities and counties which represent several public safety agency jurisdictions. Most of the other public safety agencies currently use either the CCSF or EBRCSA's Motorola radio systems. Creating greater interoperability for the independent radio systems of other agencies throughout the BART System increases public safety and achieves greater public safety interoperability and versatility for BART and regional public safety agencies.

BART currently has 37 miles of underground radio antenna systems to support public safety radio communications. This Project would add three (3) Motorola 5-channel trunked radio base stations to the existing tunnel and underground distributed radio antenna systems, including network connections to the existing CCSF and EBRCSA Motorola core systems. These Motorola radio systems will be fully independent of, and create essential redundant capacity to, the BART public safety radio system. Adding Motorola radio base stations and integrating the stations with CCSF and EBRCSA will provide radio system roaming both for regional public safety agencies and for the BART System and will be available for temporary use in the event of emergencies. The existing CCSF and EBRCSA independent Motorola public safety networks will be extended through BART tunnels to provide continuous radio coverage both above and below ground.

In addition to meeting the Public Contract Code requirements for a single source procurement, this Project will be funded by a September 2018 Transit Security Grant Program (TSGP) Federal Emergency Management Administration (FEMA) grant for Public Safety Land Mobile Radio Services (Resilience, Interoperability and Disaster Recovery). This grant specifies that Motorola radio systems will be added to the BART public safety underground radio system to integrate with existing CCSF and EBRCSA systems.

The grant specifies addition of three Motorola 5-channel trunked radio base stations with new network connections to the existing CCSF and EBRCSA radio cores, to connect with BART's existing underground antenna systems and provide radio system roaming for regional public safety agencies.

Accordingly, as described above, the proposed purchase from Motorola of Motorola's 5 channel trunked radio based stations will provide modifications and enhancements to BART's existing underground public safety radio system.

Pursuant to California Public Contract Code Section 20227, the Board may direct the purchase of any supply, equipment or material without observance of competitive bidding upon a finding by two-thirds of all members of the Board that there is only a single source of procurement and that the purchase is for the sole purpose of duplicating or modifying equipment currently in use.

The Office of the General Counsel will approve the contract as to form.

CAPITAL FISCAL IMPACT:

Funding in the amount of \$1,930,000 for single source of procurement for an Independent Tunnel Radio System is included in the total project budget for FMS# 20AJ002 – Adjacent Agency Radio System - Tunnels.

The table below lists funding assigned to the referenced project and is included to track funding history against spending authority. Funds needed to meet this request will be expended from the following source:

Proposed Funding	
F/G 3762 – FEMA FY18 Transit Security Grant	\$2,000,000
TOTAL	\$2,000,000

As of July 9, 2019, \$2,000,000 is the total budget for this project. BART has expended \$0, committed \$0, and reserved \$0 to date. This action will commit \$1,930,000, leaving an available fund balance of \$70,000 in these fund sources for this project.

The Office of Controller/Treasurer certifies that funds are currently available to meet this obligation.

This action is not anticipated to have any Fiscal Impact on unprogrammed District reserves.

ALTERNATIVES:

Do not authorize the General Manager to negotiate a single source of procurement Contract for radio equipment with Motorola Solutions, Inc. which would keep BART from improving its public safety radio system and its interface with CCSF and EBRCSA's radio systems.

RECOMMENDATION:

Staff, recommends that the Board adopt the following motion.

MOTION:

Pursuant to California Public Contract Code Section 20227, the Board finds that Motorola Solutions, Inc. is the single source for the purchase of equipment for the Project, and that the purchase is for the purpose of duplicating or replacing equipment in use at the District.

The Board authorizes the General Manager to enter into direct negotiations and execute a contract with Motorola Solutions, Inc. for the procurement of an Independent Public Safety Tunnel Radio System for an amount not to exceed \$1,930,000 plus applicable taxes.