

**SFMTA**  
Municipal  
Transportation  
Agency

*File # 160752  
Received in Committee  
7/20/16  
fr*

# Transit Vehicle Farebox System Contract

July 20, 2016

Budget and Finance Committee  
San Francisco Board of Supervisors

# Background

- Existing Muni fareboxes date back to 1991 and are nearing the end of their useful lives
- The fareboxes were refurbished beginning in 2008 but were not upgraded
- The current vendor no longer manufactures or supports the existing fareboxes
- There are insufficient fareboxes to support fleet expansion
- Existing farebox do not provide records of individual transactions for reconciliation and data analytics purposes



New Farebox (left)  
Existing Farebox (right)

# New Farebox System Benefits

- Improve dependability and reliability
- Improve accountability and tracking of revenues and ridership
- Replace pre-printed tear-off transfers/fare receipts with on-demand real-time printing of transfers/fare receipts
- Increase Transit Operator safety and security
- Accommodate future fare policy changes
- Tracks individual fare transactions and associates them with routes and boarding locations for data analytics

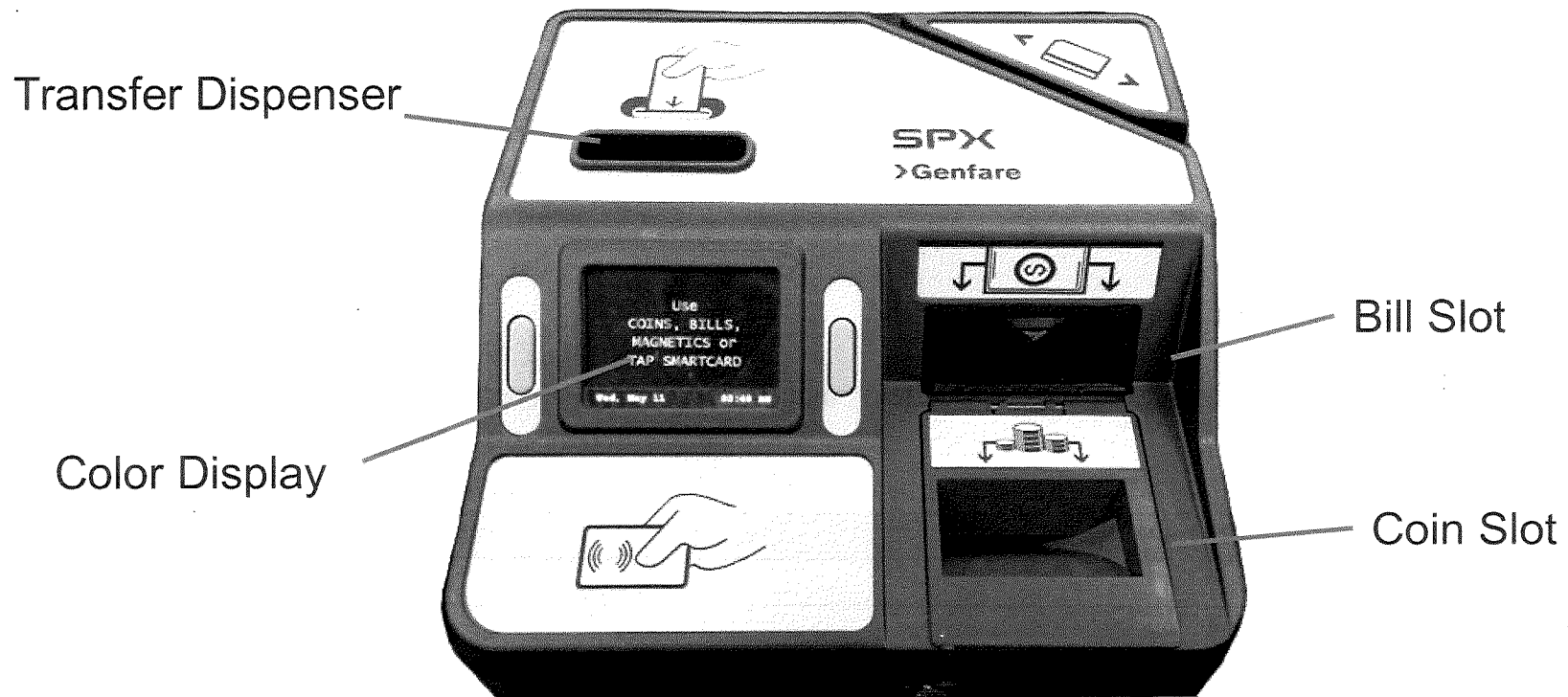
# General Contract Terms

Contract Terms	Description
Vendor Selected	SPX Genfare
Length	5 Years (following installation), plus options for two additional 5-Year Terms
Cost	\$21.9 million + \$0.6 million for annual preventative maintenance (not to exceed \$29.3 million)
Fareboxes	1,336 (includes 50 spares)
Vehicles	Trolley Coaches, Motor Coaches, Historic Streetcars and Light Rail Vehicles (incl. Siemens)
Other Major Equipment	24 Mobile Vaults 60 Mobile Bins 9 Garage Computers Software System Spare Parts CAD/AVL System Integration

# Project Budget

Item Description	Total Cost
<b>Base Farebox System Costs</b>	
Farebox Equipment and Installation	\$15,932,700
Licensed Software, Equipment and Services	3,656,226
Computer Aided Dispatch(CAD)/Automatic Vehicle Location System Integration	623,869
Transfer/Fare Receipt (initial 20 million order)	290,000
Odyssey Farebox Spare Kit	1,144,122
Additional Spare Parts	<u>254,676</u>
<i>Subtotal</i>	21,901,593
Contingency funds for base farebox system (5%)	<u>1,098,407</u>
<b>Total Base Farebox System Costs</b>	<b>\$23,000,000</b>
<b>Preventive Maintenance, Supplies, Adjustments</b>	
Preventative Maintenance Services	\$ 2,829,200
Transfer and Ticket Stock	1,450,000
Farebox Height Adjustment	<u>262,048</u>
<b>Total Preventive Maintenance, Supplies, Adjustments</b>	<b>\$4,541,248</b>
<b>Optional Costs</b>	
Preventative Maintenance Facility and Transportation (Optional)	\$1,082,227
Smart Card Acceptance – Hardware (Optional)	<u>641,280</u>
<b>Total Optional</b>	<b>\$1,723,507</b>
<b>Grand Total</b>	<b>\$29,264,755</b>

# Farebox Features



- Farebox is compliant with the Americans with Disabilities Act (ADA)

# Transfers/Fare Receipts

WEDNESDAY  
1  
JUNE 16  
CONTROL NUMBER 040968

NOT FOR SALE

KEEP  
THIS TRANSFER/  
FARE RECEIPT  
AS PROOF  
OF PAYMENT

7	TRAVEL MUST BE COMPLETED BY TIME INDICATED	:00
8		:00
9		:30
10		:30
11		:00
12		:00
1		:30
2		:30
3		:00
4		:00
5		:30
6		:30
7		:00
8		:00
9		:30
10		:30

LATE NIGHT



SFMTA  
Thank You!

Senior Receipt

ISSUED: 02:26A  
Sat 12 May 16

BUS: 0

ROUTE: 38

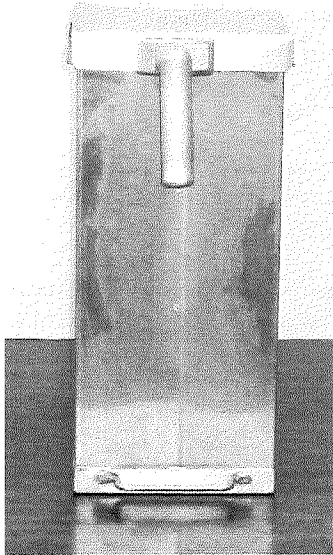
EXPIRE: 03:56A

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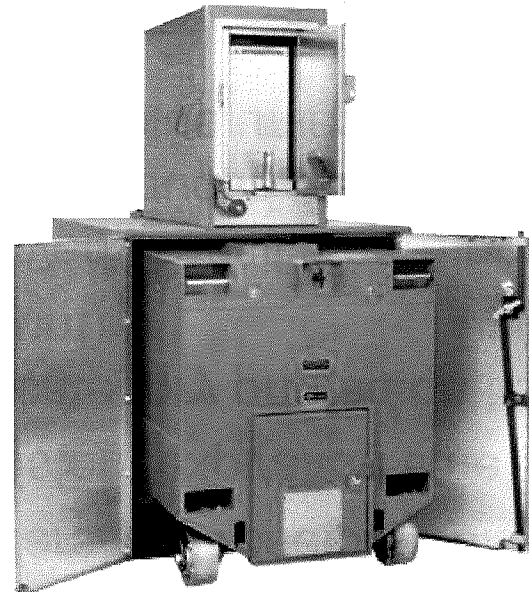
- On-demand real-time printing of transfers/fare receipts from the farebox
- Consistent expiration time
- Fare category printed on ticket (adult, discount)
- Improved Transit Operator security through reduced transfer theft – transfers have no value unless issued by the farebox
- Less transfer waste

# Revenue Transfer and Collection System

- The Farebox System allows for the secure transfer of cash revenues from the farebox to SFMTA's Revenue Collection Facility



*Cashbox* – Stores revenues securely within the farebox and cannot be opened by Revenue Collections staff or others without security credentials



*Cashbox Receiver (top)* – Cashbox is emptied here  
*Mobile Bin (bottom)* – All revenues are collected in this bin and transferred in a secured vehicle to SFMTA's Revenue Collection Facility



# Timeline

Date	Event
July 28, 2016	Board of Supervisors Approval
August 2016	Notice to Proceed Design Review Training
November 2016	Farebox System Installation at a Pilot Operating Division
December 2016- March 2017	Farebox System Installation at remaining Operating Divisions
Spring 2017	Farebox System Acceptance

