

Major Capital Projects Update

Muni Radio Replacement Project

Citizens Advisory Committee

Agenda Item 7



SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY

April 27, 2016

Project Will Modernize Muni Radio Communications

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New radio system integrating Intelligent Transportation System components

- ▶ Vehicle health monitoring
- ▶ Computer-aided dispatch
- ▶ Automatic Vehicle Locator
- ▶ Automated passenger counting
- ▶ Incident management and reporting
- ▶ ADA compliant traveler information
- ▶ Digital visual and audio systems
- ▶ Dynamic vehicle announcements
- ▶ Wireless local network
- ▶ Expanded data transmission and simulcasting



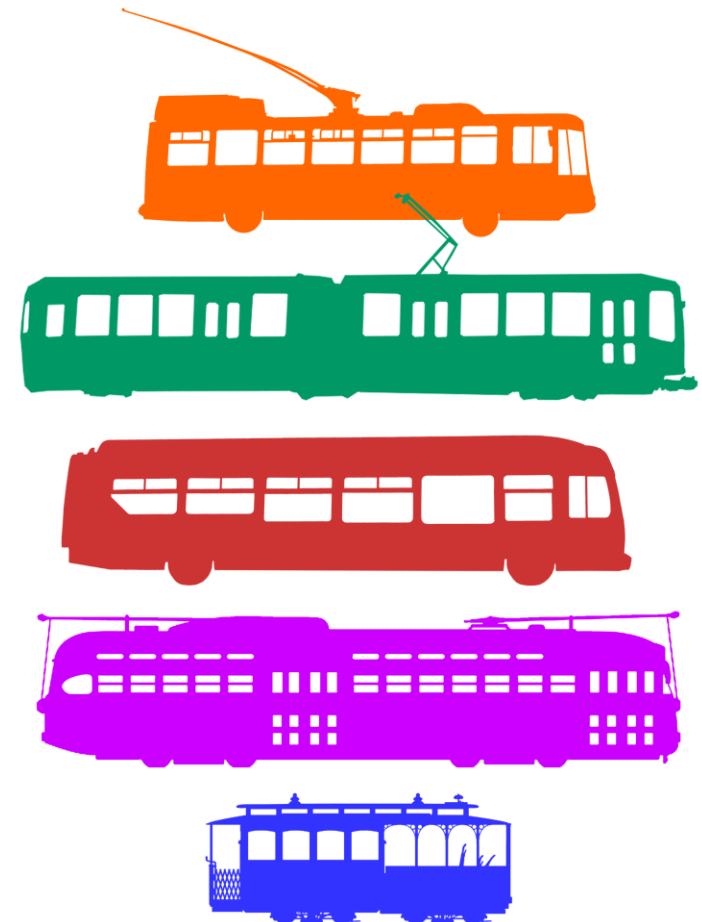
Design-Build Contract



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On June 20, 2012 SFMTA issued NTP to Harris Corporation

- ▶ Construction, testing and configuration is nearing completion at the radio base stations
- ▶ Construction is also taking place at 16 aboveground locations and the Metro subway system
- ▶ Four above-ground radio base stations have been completed and are on-the-air
- ▶ All base stations are in the system setup and configuration stage



Project Moving to Testing and Installation Phase



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- ▶ **Factory acceptance testing for rubber-tire fleet completed**
- ▶ **Installation complete on nine revenue buses and 4 non-revenue vehicles**
- ▶ **Mini-fleet testing in May**
- ▶ **Complete rubber-tire installation in September**
- ▶ **LRV factory testing in June**
- ▶ **LRV installation September '16 to January '17**
- ▶ **Historic fleet installation January to March '17**



Project Budget



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Muni Radio Replacement Project Budget By Phase	
Conceptual Engineering	\$4,380,347
Final Design	\$6,736,977
Construction	\$116,909,416
TOTAL	\$126,026,740

Prop K is the Largest Contributor



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Muni Radio Replacement Project Funding By Source	
Federal	
FTA and FHWA	\$22,194,927
State	
Prop 1B I-Bond	\$26,000,268
Local	
Prop K sales tax	\$61,757,410
AB664 Bridge Tolls	\$554,878
SFMTA Revenue Bond FY13	\$13,710,000
SFMTA Operating Funds	\$3,809,257
TOTAL	\$128,026,740

Fully Operational in March 2017



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Muni Radio Replacement Project Major Milestones (Revised)	
Notice -to- Proceed to Design-Build Contractor	Jun 2012
Complete Design	Jun 2014
Complete Pilot Testing	May 2016
Construction/Installation Complete	March 2017
Final Switchover	March 2017

DBE/SBE Program



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- ▶ Small Business Enterprise goal of 15%
- ▶ To date, an SBE participation of 32% of billings



Challenges



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- ▶ In-service date is eighteen months later than anticipated
- ▶ Delay has affected final transfer of operations to the new Transit Management Center
- ▶ Harris must be ready for system testing in May and start bus installation on June 1, 2016





Thank You



SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY