Train Control Upgrade Project

Memorandum M2502

Formal Recognition of FTA's Categorical Exclusion Determination

March 31, 2025

Dan Howard, Project Manager

Purpose

The purpose of this memo is to document that the Train Control Upgrade Project (TCUP) has received a Categorical Exclusion (CE) Type 07 under the National Environmental Policy Act (NEPA) from the Federal Transit Administration (FTA). While no standalone official letter was issued by the FTA confirming this determination, the CE designation is explicitly referenced in multiple FTA award agreements associated with the project. This memo serves to memorialize the CE determination and ensure internal and external stakeholders have a clear reference to the documentation confirming TCUP's environmental status.

Background

TCUP is a critical infrastructure project designed to replace the aging Automatic Train Control System (ATCS) with a modern Communications-Based Train Control (CBTC) system, improving the efficiency, reliability, and safety of the Muni Metro network. As the project primarily involves technology upgrades within existing transit right-of-way, with no significant construction or environmental impact, it qualifies for a Class II(c) Categorical Exclusion (Type 07) under 23 CFR § 771.118.

The TCUP team worked with the SFMTA Environmental Review Team and Finance and Information Technology (FIT) staff to develop a strategy for obtaining a formal CE confirmation letter from the FTA. In 2023, the FTA indicated that TCUP qualified for an "off-the-shelf" Categorical Exclusion, with the NEPA determination incorporated into the Transit Award Management System (TrAMS). In 2024, the TCUP team requested documentation through the SFMTA FIT team, but FTA staff confirmed that a separate letter was unnecessary, as the Type C CE designation is processed through TrAMS. The FTA's determination is reflected within multiple grant award agreements, including Federal Award Identification Number (FAIN): CA-2019-103-01, CA-2021-119-00, CA-2022-225-00, CA-2024-074-00, which formally lists TCUP's CE status. These award letters and relevant email discussions are attached to this memo.

The FTA's CE determination confirms that TCUP does not:

- Induce significant environmental impacts to planned growth or land use.
- Require large-scale relocations or impact historically significant properties.
- Have significant effects on air quality, noise, water resources, or environmental justice communities.

Next Steps & Compliance

With this determination, SFMTA understands that it is authorized to proceed with TCUP in compliance with NEPA requirements. The project team will ensure continued compliance with all applicable environmental laws and will notify the FTA of any scope changes that could affect the CE determination, updating this memo accordingly.

Please reference the attached documentation for further details.

Attachments:

FTA Award Agreements:

1. CA-2019-103-01
2. CA-2021-119-00
3. CA-2022-225-00
4. CA-2024-074-00
5. Email Correspondence between SFMTA & FTA

DOT FTA

U.S. Department of Transportation **Federal Transit Administration**

Award

Federal Award Identification Number (FAIN)	CA-2019-103-01
Temporary Application Number	1697-2019-2
Award Name	FY2019 State of Good Repair Grant
Award Status	Active (Executed)
Award Budget Number	0

Period of Performance Start Date	8/22/2019		
Original Period of Performance End Date	12/31/2027		
Current Period of Performance End Date	12/31/2027	Revision #: 0	Approved?: Yes

Part 1: Recipient Information

Name: San Francisco, City & County Of

Recipient ID	Recipient OST Type	Recipient Alias	UEI	DUNS
1697	City	San Francisco Municipal Transportation Agency		956617435

Location Type	Address	City	State	Zip
Mailing Address	1 SOUTH VAN NESS AVE 7TH FLOOR	SAN FRANCISCO	CA	94103
Physical Address	1 S VAN NESS AVE	SAN FRANCISCO	CA	94103

Union Information

Union Name	BROTHERHOOD OF LOCOMOTIVE ENGINEERS
Address 1	1370 Ontario Street
Address 2	
City	Cleveland

State	Ohio
Zipcode	44113
Contact Name	D.M. Hahs
Telephone	2162412630
Fax	2162416516
E-mail	hahs@ble-t.org
Website	

Union Name	**INT ASSO OF MACHINISTS & AEROSPACE WORKERS**
Address 1	9000 Machinists Place
Address 2	
City	Upper Marlboro
State	Maryland
Zipcode	20772
Contact Name	Robert Roach Jr
Telephone	3019674500
Fax	3019674545
E-mail	rroach@IAMAW.org
Website	

Union Name	**INT BROTHERHOOD OF ELECTRICAL WORKERS**
Address 1	900 Seventh Street
Address 2	
City	Washington
State	DC
Zipcode	20001
Contact Name	Al Russo
Telephone	(202) 728-6018
Fax	
E-mail	railroad_dept@ibew.org
Website	

Union Name	**INT FEDERATION OF PROFESSIONAL & TECHNICAL ENGINEERS**
Address 1	8630 Fenton Street, Suite 400
Address 2	
City	Silver Spring
State	Maryland
Zipcode	20910
Contact Name	Gregory Junemann
Telephone	3015659016
Fax	3015650018
E-mail	gjunemann@ifpte.org

Website	
Union Name	**O`DONNELL, SCHWARTS & ANDERSON**
Address 1	1900 L Street, NW, Suite 707
Address 2	
City	Washington
State	District of Columbia
Zipcode	20036
Contact Name	Richard Edelman
Telephone	2028981824
Fax	2024298928
E-mail	redelman@odsalaw.com
Website	
Union Name	**SERVICE EMPLOYEES` INTERNATIONAL UNION**
Address 1	1313 L Street, NW
Address 2	
City	Washington
State	District of Columbia
Zipcode	20005
Contact Name	Andrew Stern
Telephone	2028983300
Fax	2028983402
E-mail	stern@seiu.org
Website	
Union Name	**TRANSPORT WORKERS UNION**
Address 1	1700 Broadway, 2nd Floor
Address 2	
City	New York
State	New York
Zipcode	10019
Contact Name	Michael O`Brian
Telephone	2122594900
Fax	2122654537
E-mail	m_o`brien@twu.org
Website	
Union Name	**TRANSPORTATION-COMMUNICATIONS INTERNATIONAL UNION**
Address 1	3 Research Place
Address 2	
City	Rockville
State	Maryland

Zipcode	20850
Contact Name	Robert Scardelletti
Telephone	3019484911
Fax	3019481369
E-mail	
Website	

Union Name	**Smart Tramsportation Division**
Address 1	24950 Country Club Blvd.
Address 2	Ste. 340
City	North Olmsted
State	OH
Zipcode	44070
Contact Name	Jeremy Ferguson
Telephone	(216) 228-9400
Fax	
E-mail	president_td@smart-union.org
Website	

Part 2: Award Information

Title: FY2019 State of Good Repair Grant

FAIN	Award Status	Award Type	Application Cost Center	Date Created	Last Updated Date	From TEAM?
CA-2019-103-01	Active (Executed)	Grant	Region 9	11/4/2021	11/4/2021	No

Award Executive Summary
This amendment adds $13,220,000 of 2021 Fixed Guideway Funds to the SFO UZA in CA-2019-103 for LRV Replacements.

Purpose:
Maintain transit system assets in a state of good repair.

Activities to Be Performed:
Acquisition, construction, improvement and maintenance of facilities and equipment for use in transit, and include capital procurements, rolling stock purchases, design and construction costs, and the force account (personnel) expenditures required to support these capital project activities.

Expected Outcome:
Increased reliability and availability of transit buses, LRVs, and other transit equipment and infrastructure.

Intended Beneficiaries:
People of San Francisco and the greater Bay Area, visitors, and workers will all benefit from the

increased reliability of SFMTA transit service.

Subrecipient Activities:
None.

This FY2019 Section 5337 State of Good Repair grant for $85,538,907 houses thirteen San Francisco Municipal Transportation Agency (SFMTA) transit-related projects.

Allowable capital project costs under this grant follow the guidelines and principles contained in OMB's Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal awards circular (Super Circular). Eligible costs are those associated with the acquisition, construction, improvement and maintenance of facilities and equipment for use in transit, and include capital procurements, rolling stock purchases, design and construction costs, and the force account (personnel) expenditures required to support these capital project activities.

The 5337 funds in this application are included in the investment prioritization section of SFMTA's TAM plan.

Frequency of Milestone Progress Reports (MPR)
Quarterly

Frequency of Federal Financial Reports (FFR)
Quarterly

Does this application include funds for research and/or development activities?
This award does not include research and development activities.

Pre-Award Authority
This award is using Pre-Award Authority.

Does this application include suballocation funds?
Recipient organization is suballocated these apportioned funds and can apply for and receive these funds directly.

Will this Grant be using Lapsing Funds?
No, this Grant does not use Lapsing Funds.

Will indirect costs be applied to this application?
This award is applying an approved Indirect cost rate(s).

Indirect Rate Details: FTA approved the SFMTA’s indirect cost rates for FY2022 and a copy of the SFMTA’s approved rates is attached to the SFMTA’s Organization Documents. The approved rates of 116.3% for Transit Capital Projects and 67.7% for Sustainable Streets Capital Projects will be applied to the applicable activity line descriptions. Indirect Costs will apply to one or more activities contained within the scope of work.

Requires E.O. 12372 Review
No, this application does not require E.O. 12372 Review.

Delinquent Federal Debt
No, my organization does not have delinquent federal debt.

Award Description

Purpose
None provided.

Activities to be performed:
None provided.

Expected outcomes:
None provided.

Intended beneficiaries:
None provided.

Subrecipient Activities:
None provided.

Award Point of Contact Information

First Name	Last Name	Title	E-mail Address	Phone
	catherine.luu@dot.gov	General Engineer		
	alexander.smith@dot.gov	Transportation Planner		
Mark	Lui	Pr Administrative Analyst	mark.lui@sfmta.com	(415) 646-2516

Award Budget Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$85,538,907
Local			$21,384,727
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$106,923,634**

Award Budget

Project Number		Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2019-103-01-01	121-00 (121-A1)	RAIL - ROLLING STOCK	$1,042,907.00	$260,727.00	$1,303,634.00	1

CA-2019-103-01-01		12.14.30	REHAB/ REBUILD CABLE CARS	$1,042,907.00	$260,727.00	$1,303,634.00	1
CA-2019-103-02-01	121-00 (121-A2)	RAIL - ROLLING STOCK		$8,000,000.00	$2,000,000.00	$10,000,000.00	1
CA-2019-103-02-01		12.14.26	COMMUTER RAIL CARS USED	$8,000,000.00	$2,000,000.00	$10,000,000.00	1
CA-2019-103-03-01	122-00 (122-A3)	RAIL TRANSITWAY LINES		$16,736,000.00	$4,184,000.00	$20,920,000.00	1
CA-2019-103-03-01		12.24.03	REHAB/RENOV LINE EQUIP/ STRUCTURES	$16,736,000.00	$4,184,000.00	$20,920,000.00	1
CA-2019-103-04-01	115-00 (115-A4)	ELECTRIFICATION/POWER DIST (BUS)		$20,000,000.00	$5,000,000.00	$25,000,000.00	1
CA-2019-103-04-01		11.54.20	REHAB/RENOV MISC ELECT POWER DISTRIB EQUIPMENT	$20,000,000.00	$5,000,000.00	$25,000,000.00	1
CA-2019-103-05-01	122-00 (122-A5)	RAIL TRANSITWAY LINES		$8,640,000.00	$2,160,000.00	$10,800,000.00	1
CA-2019-103-05-01		12.24.03	REHAB/RENOV LINE EQUIP/ STRUCTURES	$8,640,000.00	$2,160,000.00	$10,800,000.00	1
CA-2019-103-06-01	122-00 (122-A6)	RAIL TRANSITWAY LINES		$4,000,000.00	$1,000,000.00	$5,000,000.00	1
CA-2019-103-06-01		12.24.20	REHAB/RENOV MISC RAIL EQUIPMENT	$4,000,000.00	$1,000,000.00	$5,000,000.00	1
CA-2019-103-07-01	124-00 (124-A7)	SUPPORT EQUIP/FACILITIES (RAIL)		$2,000,000.00	$500,000.00	$2,500,000.00	1

CA-2019-103-07-01		12.42.20	PURCHASE - MISC EQUIPMENT	$2,000,000.00	$500,000.00	$2,500,000.00	1
CA-2019-103-08-01	129-00 (129-A8)	Fixed Guideway Associated Transit Improvements		$1,000,000.00	$250,000.00	$1,250,000.00	1
CA-2019-103-08-01		12.93.05	CONSTRUCT PED ACCESS / WALKWAYS	$1,000,000.00	$250,000.00	$1,250,000.00	1
CA-2019-103-09-01	122-00 (122-B4)	RAIL TRANSITWAY LINES		$4,070,000.00	$1,017,500.00	$5,087,500.00	1
CA-2019-103-09-01		12.24.03	REHAB/RENOV LINE EQUIP/ STRUCTURES	$4,070,000.00	$1,017,500.00	$5,087,500.00	1
CA-2019-103-10-01	124-00 (124-A9)	SUPPORT EQUIP/FACILITIES (RAIL)		$4,100,000.00	$1,025,000.00	$5,125,000.00	1
CA-2019-103-10-01		12.42.06	PURCHASE - RAIL SHOP EQUIPMENT	$4,100,000.00	$1,025,000.00	$5,125,000.00	1
CA-2019-103-11-01	112-00 (112-B1)	BUS TRANSITWAYS/LINES		$1,830,000.00	$457,500.00	$2,287,500.00	1
CA-2019-103-11-01		11.24.01	REHAB/ RENOVATE - BUSWAY	$1,830,000.00	$457,500.00	$2,287,500.00	1
CA-2019-103-12-01	114-00 (114-B3)	BUS: SUPPORT EQUIP AND FACILITIES		$900,000.00	$225,000.00	$1,125,000.00	1
CA-2019-103-12-01		11.44.02	REHAB/ RENOVATE - MAINTENANCE FACILITY	$900,000.00	$225,000.00	$1,125,000.00	1
CA-2019-103-13-01	121-00 (121-B2)	RAIL - ROLLING STOCK		$13,220,000.00	$3,305,000.00	$16,525,000.00	4
CA-2019-		12.12.20	LIGHT RAIL CARS	$13,220,000.00	$3,305,000.00	$16,525,000.00	4

103-13- 01

Discretionary Allocations

This application does not contain discretionary allocations.

Sources of Federal Financial Assistance

PO Number	Project Number	Scope Name	Scope Number	Scope Suffix	UZA Code	Area Name	Account Class Code	FPC	Description	Amendment Amount	Cumulative Amount
CA-54-0093	CA-2019-103-01-01	RAIL - ROLLING STOCK	121-00 (121)	A1	060060	San Francisco-Oakland, CA	2018.25.54.38.2	00	SGR - Fixed Guideway	$0	$1,042,907
CA-54-0093	CA-2019-103-02-01	RAIL - ROLLING STOCK	121-00 (121)	A2	060060	San Francisco-Oakland, CA	2018.25.54.38.2	00	SGR - Fixed Guideway	$0	$7,398,658
CA-54-0093	CA-2019-103-02-01	RAIL - ROLLING STOCK	121-00 (121)	A2	060060	San Francisco-Oakland, CA	2019.25.54.38.2	00	SGR - Fixed Guideway	$0	$601,342
CA-54-0093	CA-2019-103-03-01	RAIL TRANSITWAY LINES	122-00 (122)	A3	060060	San Francisco-Oakland, CA	2019.25.54.38.2	00	SGR - Fixed Guideway	$0	$16,736,000
CA-54-0093	CA-2019-103-04-01	ELECTRIFICATION/POWER DIST (BUS)	115-00 (115)	A4	060060	San Francisco-Oakland, CA	2019.25.54.38.2	00	SGR - Fixed Guideway	$0	$20,000,000
CA-54-0093	CA-2019-103-05-01	RAIL TRANSITWAY LINES	122-00 (122)	A5	060060	San Francisco-Oakland, CA	2019.25.54.38.2	00	SGR - Fixed Guideway	$0	$8,640,000
CA-54-0093	CA-2019-103-06-01	RAIL TRANSITWAY LINES	122-00 (122)	A6	060060	San Francisco-Oakland, CA	2019.25.54.38.2	00	SGR - Fixed Guideway	$0	$4,000,000
CA-54-0093	CA-2019-103-07-01	SUPPORT EQUIP/FACILITIES (RAIL)	124-00 (124)	A7	060060	San Francisco-Oakland, CA	2019.25.54.38.2	00	SGR - Fixed Guideway	$0	$2,000,000
CA-54-0093	CA-2019-103-08-01	Fixed Guideway Associated Transit Improvements	129-00 (129)	A8	060060	San Francisco-Oakland, CA	2019.25.54.38.2	00	SGR - Fixed Guideway	$0	$1,000,000
CA-54-0093	CA-2019-103-09-01	RAIL TRANSITWAY LINES	122-00 (122)	B4	060060	San Francisco-Oakland, CA	2019.25.54.38.2	00	SGR - Fixed Guideway	$0	$4,070,000
CA-54-0093	CA-2019-103-10-01	SUPPORT EQUIP/FACILITI	124-00 (124)	A9	060060	San Francisco	2019.25.54.38.2	00	SGR - Fixed Guideway	$0	$4,100,000

		ES (RAIL)				-Oakland, CA					
CA-54-0093	CA-2019-103-11-01	BUS TRANSITWAYS/LINES	112-00 (112)	B1	060060	San Francisco-Oakland, CA	2019.25.54.38.2	00	SGR - Fixed Guideway	$0	$1,830,000
CA-54-0093	CA-2019-103-12-01	BUS: SUPPORT EQUIP AND FACILITIES	114-00 (114)	B3	060060	San Francisco-Oakland, CA	2019.25.54.38.2	00	SGR - Fixed Guideway	$0	$900,000
CA-54-0093	CA-2019-103-13-01	RAIL - ROLLING STOCK	121-00 (121)	B2	060060	San Francisco-Oakland, CA	2020.25.54.38.2	00	SGR - Fixed Guideway	$13,220,000	$13,220,000

Part 3: Project Information

Project Title: Cable Car Renovation Program

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2019-103-01-01	1697-2019-2-P1	11/4/2021	1/1/2020	12/31/2023

Project Description
This is an on-going program to overhaul and/or reconstruct the SFMTA's approximately 40 existing cable cars to maintain system reliability and productivity. Cable cars operate on three lines: Powell/ Mason, Powell/Hyde, and California. The estimated service life of a cable car is approximately 60-70 years; with a midlife major overhaul scheduled at 30 to 35 years in service and a minor overhaul scheduled for 15 years in service.

The major work is performed at Woods facility's Carpentry Shop and Special Machine Shop, with finish work for the vehicles completed at the Mason Street Cable Car Barn. The reconstruction process takes approximately 18 months and can include replacement or upgrades to all major vehicle components such as trucks, frame, woodwork, glass, roof, and floors. A major overhaul takes about nine months and can include upgrades to the frame and supports, woodwork replacement, metal parts refinishing, roof work, floors, electrical wiring and painting. Minor overhauls take about 6 months to complete and include replacement of any rotted wood, electrical work, and painting.

The SFMTA estimates that approximately one cable car can be rehabilitated with these funds. While this grant funding identifies only one vehicle that can be rebuilt, in actuality, this program relies on multiple fund sources that are combined to fund the overhaul and/or reconstruction of all cable cars, as necessary.

The TIP ID# associated with these grant funds is SF-970073. These are Section 5337 State of Good Repair funds, subject to a match ratio of 80%/20%.

Project Benefits
The purpose of this project is to overhaul the cable car fleet to extend the useful life of the vehicles.

Additional Information
None provided.

Location Description
Project is within the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 12/17/2018
Description: Not Provided

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$1,042,907
Local			$260,727
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$1,303,634**

Project Budget

Project Number	Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity

CA-2019-103-01-01	121-00 (121-A1)	RAIL - ROLLING STOCK		$1,042,907.00	$260,727.00	$1,303,634.00	1
CA-2019-103-01-01		12.14.30	REHAB/ REBUILD CABLE CARS	$1,042,907.00	$260,727.00	$1,303,634.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.14.30 - REHAB/REBUILD CABLE CARS

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL - ROLLING STOCK (121-00)	12.14.30	REHAB/REBUILD CABLE CARS	REHAB/REBUILD - RAIL ROLL STOCK	1

Extended Budget Description
Costs to renovate and rehab cable cars.

Will 3rd Party contractors be used to fulfill this activity line item?
No, 3rd Party Contractors will not be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$1,042,907
Local			$260,727
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$1,303,634**

Milestone Name	Est. Completion Date	Description
Project Start Date	1/1/2020	
Project End Date	12/31/2023	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description

Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
RAIL - ROLLING STOCK (121-00)	12.14.30	REHAB/REBUILD CABLE CARS	1	$1,042,907.00	$1,303,634.00

Project Title: Historic Vehicle Rehabilitation

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2019-103-02-01	1697-2019-2-P2	11/4/2021	1/1/2020	12/31/2027

Project Description
These funds provide for the on-going, phased rehabilitation of the SFMTA's Historic Rail Car fleet. The historic streetcar fleet is a collection of electric rail vehicles from the U.S. and around the world used on the F-Market and Fisherman Wharf routes. Due to their historic nature, the streetcar fleet is not replaced on a regular schedule, making a program of regular rehabilitation critical to the long-term operation of the fleet. The SFMTA provides for the rehabilitation program with funding from prior years and this year's grant. The work involves rehabilitating the historic streetcars to like-new condition, including upgrading electrical and mechanical systems, body work, and ensuring systems meet CPUC and ADA requirements.

The TIP ID# associated with these grant funds is SF-170021. These are Section 5337 formula funds, subject to a match ratio of 80%/20%.

Project Benefits
Improve safe and reliable services, and extend the life span of historic streetcars.

Additional Information
None provided.

Location Description
This project is within the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name

060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 12/17/2018
Description: Not Provided

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$8,000,000
Local			$2,000,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$10,000,000**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2019-103-02-01	121-00 (121-A2)	RAIL - ROLLING STOCK	$8,000,000.00	$2,000,000.00	$10,000,000.00	1

CA-2019-103-02-01	12.14.26	COMMUTER RAIL CARS USED	$8,000,000.00	$2,000,000.00	$10,000,000.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.14.26 - COMMUTER RAIL CARS USED

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL - ROLLING STOCK (121-00)	12.14.26	COMMUTER RAIL CARS USED	REHAB/REBUILD - RAIL ROLL STOCK	1

Extended Budget Description
Costs to rehab historic street cars.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$8,000,000
Local			$2,000,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$10,000,000**

Milestone Name	Est. Completion Date	Description
RFP/IFB Issue Date	1/1/2020	
Contract Completion Date	12/31/2027	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
RAIL - ROLLING STOCK (121-00)	12.14.26	COMMUTER RAIL CARS USED	1	$8,000,000.00	$10,000,000.00

Project Title: Rail Replacement

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2019-103-03-01	1697-2019-2-P3	11/4/2021	1/1/2020	12/31/2027

Project Description
The Rail Replacement Program is an on-going program of phased replacement of sections of rail on the Light Rail or Cable Car systems. Sections of rail to be replaced are prioritized based on their potential for failure and derailments, the amount of noise and vibration experienced at surrounding structures, and to complement related projects by other city departments. Part of the design process for each re-railing project will include incorporating, as needed, accessibility features and critical track equipment. Rail grinding will also be performed, as needed. This program enhances system reliability and productivity and helps reduce operational problems.

Replacement rail is of higher strength and durability than the existing rail, and usually installed via the direct fixation method rather than tie and ballast to reduce vibration and decrease maintenance costs. The rail that is replaced would have reached or be close to reaching the end of its useful life.

The program allows for a systematic replacement cycle on average of about 35 years for most segments of the rail system. Rail replacement projects are organized in two ways: 1) a corridor wide replacement; or 2) the selected replacement of particularly vulnerable sections of curved rail and special work (track switches) which tend to wear out much faster than straight track. Corridor wide projects replace 1-2 miles of tangent (straight) track and any special work in that area. These projects are normally coordinated with the work of other City departments and utilities to upgrade the entire infrastructure along that corridor. One major corridor project is started about every four years and takes about 3 to 4 years to complete (including design). At least one project to replace selected portions of curved rail/special work will be under construction every year until the most problematic areas are all replaced.

Major existing projects include:

Special Trackwork Replacement in Subway: Replace track infrastructure in the subway at Castro, Duboce, Van Ness and Embarcadero stations. This includes replacing the double crossover at Castro, track left and track right turnouts at Duboce, double crossover and storage track turnout at Van Ness,

and double crossover at Embarcadero. The project will also upgrade the old tie support system to a new support system that is less vulnerable to water exposure.

M-Ocean View Track Replacement at 19th Ave. and Rossmoor Drive: Replace curved tracks crossing 19th Avenue (Caltrans) and Rossmoor Drive and additional tangent track up to Monte Vista Drive; replace two concrete OCS poles; upgrade traffic signal and install train detection to fully actuate the intersection; accessibility upgrades at track crossing including curb ramps crossing Rossmoor; safety and accessibility upgrades for the north crosswalk at Junipero Serra Blvd which includes a relocation of the pedestrian refuge area and signal modification.

L Taraval OCS and Track Replacement Project: Replace about 23,000 track feet of existing tie and ballast paved track along the L-Taraval between Forrest Side Avenue near West Portal to La Playa; replace worn OCS special work, trolley wire and trolley poles west of 15th Ave./Taraval St. In conjunction with the project, the SFMTA will incorporate Muni Forward changes to improve safety and reliability, and reduce travel time between Ulloa/15th and Taraval/46th. Muni Forward components include removing/relocating transit stops and stop signs; adding traffic calming medians, providing traffic signals with transit priority, installing transit and pedestrian bulbs, adding or modifying boarding islands and accessible platforms; painting transit-only lanes, reconstructing curb ramps, and relocating catch basins. Also, in coordination with the project, SFPUC will replace sewers at various locations; SFWD will install water mains on each side of the Muni tracks, and Public Works will restore pavement at locations not covered by the track, sewer, and water replacement scope of work.

Rail Grinding Project: Perform rail grinding to reduce both wheel wear on rolling stock and the likelihood of failure with welds, which are vulnerable to wheel impacts from cupping of the weld on the head of the rail. A high percentage of rails in the Muni Metro Tunnel and the Twin Peaks Tunnel are showing uneven wear. The useful life of the rail can be extended by rail grinding which can eliminate cupping at the welds and other forms of differential wear. Phase 1 shall address rail grinding from and including Castro Station to and including Embarcadero Station inside the Muni Metro Tunnel.

The TIP ID# associated with these grant funds is SF-95037B. These are Section 5337 funds requiring a match ratio of 80/20%.

Project Benefits
The program will enhance system safety, reliability and reduce the need for excess maintenance.

Additional Information
None provided.

Location Description
This project is located within the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 6/6/2019
Description: Not Provided

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$16,736,000
Local			$4,184,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$20,920,000**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2019-103-03-01	122-00 (122-A3)	RAIL TRANSITWAY LINES	$16,736,000.00	$4,184,000.00	$20,920,000.00	1
CA-2019-103-03-01	12.24.03	REHAB/ RENOV LINE EQUIP/ STRUCTURES	$16,736,000.00	$4,184,000.00	$20,920,000.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.24.03 - REHAB/RENOV LINE EQUIP/STRUCTURES

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity

RAIL TRANSITWAY LINES (122-00)	12.24.03	REHAB/RENOV LINE EQUIP/STRUCTURES	REHAB/RENOVATION 1

Extended Budget Description
Entry is for estimated costs to replace rail used beyond its useful life.

Will 3rd Party contractors be used to fulfill this activity line item?
No, 3rd Party Contractors will not be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$16,736,000
Local			$4,184,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$20,920,000**

Milestone Name	Est. Completion Date	Description
Start Date	1/1/2020	
End Date	12/31/2027	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 08: Maintenance, rehabilitation, and reconstruction of facilities that occupy substantially the same geographic footprint and do not result in a change in functional use, such as: improvements to bridges, tunnels, storage yards, buildings, stations, and terminals; construction of platform extensions, passing track, and retaining walls; and improvements to tracks and railbeds.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost

RAIL TRANSITWAY LINES (122-00)	12.24.03	REHAB/RENOV LINE EQUIP/ STRUCTURES	1	$16,736,000.00	$20,920,000.00

Project Title: Overhead Lines Rehabilitation

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2019-103-04-01	1697-2019-2-P4	11/4/2021	1/1/2020	12/31/2027

Project Description
The Overhead Lines Rehabilitation Program is an ongoing phased replacement and upgrade of the traction power system that provides 615 volt D.C. current for the SFMTA`s fleet of trolley coaches, light rail vehicles, and historic streetcars. This includes, but is not limited to, overhead contact wire, guy wire, special work (switches/curves/crossings), confirmer lights, and the support poles for the overhead system, as well as upgrades of feeders and substation equipment/structures required in conjunction with various overhead upgrades.

The work is generally grouped into 3 types of projects:

1) The overhead corridor projects consist of the replacement and upgrade of much of the overhead wire system, special work, and poles on a line or lines in close geographical proximity. A typical corridor project will involve selective replacement of about 1-3 miles of overhead wire, replacement and upgrade to current standards of 4-5 special work intersections and replacement of about 150 poles. The elements replaced would have reached or be close to the end of their useful life. One of these projects is constructed approximately every two years.

2) The feeder /substation projects involve a coordinated upgrade of substation equipment (circuit breakers/transformers) and feeder capacity in the street at selected locations. A study of the citywide capacity of this system relative to the new schedules generated by the Transit Effectiveness Project is also part of the overhead program.

3) The replacement and upgrade of much of the overhead wire system, poles/supports and associated controls within a facility that dispatches trolley coaches, light rail vehicles, and historic streetcars.

The TIP ID # associated with these grant funds is SF-970170. These are Section 5337 funds requiring a match ratio of 80%/20%.

Project Benefits
The projects included in this program are designed to reduce operational problems, reduce maintenance and increase system reliability, provide flexibility in addressing acute needs, and address areas of chronic service outages or emergency repairs.

Additional Information
None provided.

Location Description
This project is located within the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 6/6/2019
Description: Not Provided

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$20,000,000
Local			$5,000,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$25,000,000**

Project Budget

Project Number		Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2019-103-04-01	115-00 (115-A4)	ELECTRIFICATION/POWER DIST (BUS)		$20,000,000.00	$5,000,000.00	$25,000,000.00	1
CA-2019-		11.54.20	REHAB/ RENOV MISC ELECT	$20,000,000.00	$5,000,000.00	$25,000,000.00	1

103-04-01	POWER DISTRIB EQUIPMENT

Project Budget Activity Line Items

Budget Activity Line Item: 11.54.20 - REHAB/RENOV MISC ELECT POWER DISTRIB EQUIPMENT

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
ELECTRIFICATION/POWER DIST (BUS) (115-00)	11.54.20	REHAB/RENOV MISC ELECT POWER DISTRIB EQUIPMENT	REHAB/RENOVATATION	1

Extended Budget Description
This cost covers rehab work on the overhead electrical lines.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$20,000,000
Local			$5,000,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$25,000,000**

Milestone Name	Est. Completion Date	Description
Start Date	1/1/2020	
End Date	12/31/2027	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment

and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
ELECTRIFICATION/POWER DIST (BUS) (115-00)	11.54.20	REHAB/ RENOV MISC ELECT POWER DISTRIB EQUIPMENT	1	$20,000,000.00	$25,000,000.00

Project Title: Wayside/Central Train Control & Trolley Signal Systems Rehab

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2019-103-05-01	1697-2019-2-P5	11/4/2021	1/1/2020	12/31/2026

Project Description

This on-going program consists of various projects to ensure that all command and control systems for safe and efficient operation of fixed guideway rail transit lines remain in supported and up-to-date industry configurations, and in a good state of repair. Current projects include:

ATCS Final Cut Over - Remove the conventional train control (legacy) redundancy system to be fully controlled by the Automatic Train Control System (ATCS) at five interlock locations (West Portal, Duboce, Castro, Van Ness and Embarcadero).

ATCS SMC Software Platform Upgrade - Upgrade the hardware and software of the System Management Center (SMC), a subsystem of the Advanced Train Control System (ATCS). In addition, this project will replace certain train management functionality that will be lost when the existing legacy train control system is removed.

The TIP ID# associated with these grant funds is SF-050024. These are Section 5337 Funds requiring a match ratio of 80%/20%.

Project Benefits

Replace existing train control and signal system at various locations to increase protection for transit vehicles from auto traffic, reduce derailments and travel time, and improve safety, reliability, and maintainability of the system.

Additional Information
None provided.

Location Description
This project is located within the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 6/6/2019
Description: Not Provided

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$8,640,000
Local			$2,160,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0

Total Eligible Cost	$10,800,000

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2019-103-05-01	122-00 (122-A5)	RAIL TRANSITWAY LINES	$8,640,000.00	$2,160,000.00	$10,800,000.00	1
CA-2019-103-05-01	12.24.03	REHAB/ RENOV LINE EQUIP/ STRUCTURES	$8,640,000.00	$2,160,000.00	$10,800,000.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.24.03 - REHAB/RENOV LINE EQUIP/STRUCTURES

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL TRANSITWAY LINES (122-00)	12.24.03	REHAB/RENOV LINE EQUIP/STRUCTURES	REHAB/RENOVATION	1

Extended Budget Description
Costs for wayside train control and trolley signal systems rehab.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$8,640,000
Local			$2,160,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$10,800,000**

Milestone Name	Est. Completion Date	Description
Start Date	1/1/2020	

End Date	12/31/2026	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 08: Maintenance, rehabilitation, and reconstruction of facilities that occupy substantially the same geographic footprint and do not result in a change in functional use, such as: improvements to bridges, tunnels, storage yards, buildings, stations, and terminals; construction of platform extensions, passing track, and retaining walls; and improvements to tracks and railbeds.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
RAIL TRANSITWAY LINES (122-00)	12.24.03	REHAB/RENOV LINE EQUIP/ STRUCTURES	1	$8,640,000.00	$10,800,000.00

Project Title: Cable Car Infrastructure Rehabilitation

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2019-103-06-01	1697-2019-2-P6	11/4/2021	1/1/2020	12/31/2025

Project Description
Funding is used for ongoing improvements to the guideway system and infrastructure projects throughout the SFMTA’s cable car system. Projects include structural, mechanical and other improvements along with replacement/rehabilitation of fixed guideway infrastructure and components of the cable car system.

Major existing projects are:

Cable Car Curved Track Replacement Project: The project will replace three special track components (frogs); construct three new corner bulb-outs and one mid-block bulb-out; install additional electrical conduits for future traffic signals; improve track drainage for cable car track way.

Cable Car Gearbox Rehabilitation Project: Overhaul and refurbish all cable car gearboxes presently in use at the Cable Car Barn, as well as the spare unit presently in storage at 1580 Burke Street. The work includes replacing all wear and tear parts, primarily bearings, seals, and gaskets. Additional inspection of gears, shafts and other parts will be performed during gearbox tear down, and replaced as needed.

The TIP ID# associated with these grant funds is SF-99T002. These are Section 5337 funds requiring a match ratio of 80%/20%.

Project Benefits
The purpose of the project is to maintain efficient and reliable cable car operations.

Additional Information
None provided.

Location Description
This project is located within the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 6/6/2019
Description: Not Provided

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$4,000,000
Local			$1,000,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0

Adjustment			$0
Total Eligible Cost			**$5,000,000**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2019-103-06-01	122-00 (122-A6)	RAIL TRANSITWAY LINES	$4,000,000.00	$1,000,000.00	$5,000,000.00	1
CA-2019-103-06-01	12.24.20	REHAB/ RENOV MISC RAIL EQUIPMENT	$4,000,000.00	$1,000,000.00	$5,000,000.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.24.20 - REHAB/RENOV MISC RAIL EQUIPMENT

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL TRANSITWAY LINES (122-00)	12.24.20	REHAB/RENOV MISC RAIL EQUIPMENT	REHAB/RENOVATION	1

Extended Budget Description
This cost is for cable car system infrastructure rehab costs.

Will 3rd Party contractors be used to fulfill this activity line item?
No, 3rd Party Contractors will not be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$4,000,000
Local			$1,000,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$5,000,000**

Milestone Name	Est. Completion Date	Description

Start Date	1/1/2020	
End Date	12/31/2025	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
RAIL TRANSITWAY LINES (122-00)	12.24.20	REHAB/RENOV MISC RAIL EQUIPMENT	1	$4,000,000.00	$5,000,000.00

Project Title: Wayside Fare Collection Equipment

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2019-103-07-01	1697-2019-2-P7	11/4/2021	10/1/2019	12/31/2022

Project Description
This project replaces existing technically-obsolete fare collection systems with new state-of-the-art fare collection system. Funds will be used to procure and install faregates and ticket vending machines for the SFMTA's Muni Metro light rail system, install new control panels and displays for booth agents; and implement a central control data collection system. Funding may also be used to replace technically-obsolete fareboxes on the light rail vehicles and other transit vehicles.

The SFMTA is currently initiating the replacement of its 25-year-old fareboxes on its motor coaches, electric trolley coaches, light rail vehicles and historic streetcars with modern fare machines. Major elements of the project include: (a) Fareboxes, (b) a Revenue Transfer and Collection System, which includes mobile bins to collect revenues, (c) Ancillary Field Equipment for servicing fareboxes when vehicles are in revenue service and not in the divisions, and (d) a Data Collection and Reporting System, to track individual fare transactions and support analyses of farebox revenues.

The SFMTA currently is not pursuing new cash/credit card ticket vending machines at on-street transit stops, but will instead focus on increasing customer adoption of mobile payment options.

Allocation of this funding will improve transit operations by increasing passenger loading efficiency, reducing waste, and helping to improve security.

The TIP ID# associated with these grant funds is SF-030013. These are Section 5337 funds requiring a match ratio of 80%/20%.

Project Benefits
To replace fare collection equipment that has exceeded its useful life.

Additional Information
None provided.

Location Description
This project is located within the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 6/6/2019
Description: Not Provided

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$2,000,000
Local			$500,000
Local/In-Kind			$0

State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$2,500,000**

Project Budget

Project Number	Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2019-103-07-01	124-00 (124-A7) SUPPORT EQUIP/FACILITIES (RAIL)	$2,000,000.00	$500,000.00	$2,500,000.00	1
CA-2019-103-07-01	12.42.20 PURCHASE - MISC EQUIPMENT	$2,000,000.00	$500,000.00	$2,500,000.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.42.20 - PURCHASE - MISC EQUIPMENT

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
SUPPORT EQUIP/FACILITIES (RAIL) (124-00)	12.42.20	PURCHASE - MISC EQUIPMENT	ACQUISITION	1

Extended Budget Description
Entry is estimated cost to replace wayside fare collection equipment.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$2,000,000
Local			$500,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0

Total Eligible Cost	$2,500,000

Milestone Name	Est. Completion Date	Description
Start Date	10/1/2019	
End Date	12/31/2022	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 08: Maintenance, rehabilitation, and reconstruction of facilities that occupy substantially the same geographic footprint and do not result in a change in functional use, such as: improvements to bridges, tunnels, storage yards, buildings, stations, and terminals; construction of platform extensions, passing track, and retaining walls; and improvements to tracks and railbeds.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
SUPPORT EQUIP/FACILITIES (RAIL) (124-00)	12.42.20	PURCHASE - MISC EQUIPMENT	1	$2,000,000.00	$2,500,000.00

Project Title: Station Area Pedestrian and Bicycle Access Improvements

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2019-103-08-01	1697-2019-2-P8	11/4/2021	1/1/2020	12/31/2023

Project Description
Funding will be used for citywide improvements within fixed guideway station areas aimed at improving pedestrian and bicycle access to the transportation stop/station. Improvements may include pedestrian bulb-outs, bicycle parking, bicycle street infrastructure.

The TIP ID# associated with these funds is SF-170006. These are Section 5337 funds, requiring a match ratio of 80%/20%.

Project Benefits

Provide more space to pedestrians, bicyclists, and transit patrons. Reduce negative impact to Muni bus operations. Improve safety to pedestrians and bicyclists.

Additional Information
None provided.

Location Description
This project is located within the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 6/6/2019
Description: Not Provided

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$1,000,000
Local			$250,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$1,250,000**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2019-103-08-01	129-00 (129-A8)	Fixed Guideway Associated Transit Improvements	$1,000,000.00	$250,000.00	$1,250,000.00	1
CA-2019-103-08-01	12.93.05	CONSTRUCT PED ACCESS / WALKWAYS	$1,000,000.00	$250,000.00	$1,250,000.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.93.05 - CONSTRUCT PED ACCESS / WALKWAYS

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
Fixed Guideway Associated Transit Improvements (129-00)	12.93.05	CONSTRUCT PED ACCESS / WALKWAYS	CONSTRUCTION	1

Extended Budget Description
This entry is for estimated construction costs for station area pedestrian access and walkways.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$1,000,000
Local			$250,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$1,250,000**

Milestone Name	Est. Completion Date	Description
Start Date	1/1/2020	
End Date	12/31/2023	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 12: Projects, as defined in 23 U.S.C. 101, that would take place entirely within the existing operational right-of-way. Existing operational right-of-way refers to right-of-way that has been disturbed for an existing transportation facility or is maintained for a transportation purpose. This area includes the features associated with the physical footprint of the transportation facility (including the roadway, bridges, interchanges, culverts, drainage, fixed guideways, mitigation areas, etc.) and other areas maintained for transportation purposes such as clear zone, traffic control signage, landscaping, any rest areas with direct access to a controlled access highway, areas maintained for safety and security of a transportation facility, parking facilities with direct access to an existing transportation facility, transit power substations, transit venting structures, and transit maintenance facilities. Portions of the right-of-way that have not been disturbed or that are not maintained for transportation purposes are not in the existing operational right-of-way.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
Fixed Guideway Associated Transit Improvements (129-00)	12.93.05	CONSTRUCT PED ACCESS / WALKWAYS	1	$1,000,000.00	$1,250,000.00

Project Title: L Taraval Improvement Project SGR

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2019-103-09-01	1697-2019-2-P9	11/4/2021	3/31/2014	2/28/2025

Project Description
Along L Taraval Line from Forrest Side Ave near West Portal to La Playa: Replace approximately 23, 000 track feet of existing tie and ballast paved track with a new direct fixation track, new rails and fastening systems. Replace worn Overhead Catenary System special work, trolley wire and trolley poles west of 15th Avenue/Taraval Street.

Project Benefits
The L Taraval light rail line, part of Muni¿s Rapid Network, provides an important connection between the Sunset/Parkside district and downtown San Francisco and carries over 33,000 daily riders.

Additional Information
None provided.

Location Description
This project is located within the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: Not Provided
Description: Final federal approval is pending.

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$4,070,000
Local			$1,017,500
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$5,087,500**

Project Budget

Project Number	Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity

CA-2019-103-09-01	122-00 (122-B4)	RAIL TRANSITWAY LINES		$4,070,000.00	$1,017,500.00	$5,087,500.00	1
CA-2019-103-09-01		12.24.03	REHAB/ RENOV LINE EQUIP/ STRUCTURES	$4,070,000.00	$1,017,500.00	$5,087,500.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.24.03 - REHAB/RENOV LINE EQUIP/STRUCTURES

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL TRANSITWAY LINES (122-00)	12.24.03	REHAB/RENOV LINE EQUIP/STRUCTURES	REHAB/RENOVATION	1

Extended Budget Description
This entry covers the estimated cost of rail replacement along the L Taraval Line.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$4,070,000
Local			$1,017,500
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$5,087,500**

Milestone Name	Est. Completion Date	Description
Start Date	3/31/2014	
End Date	2/28/2025	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description

Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
RAIL TRANSITWAY LINES (122-00)	12.24.03	REHAB/RENOV LINE EQUIP/STRUCTURES	1	$4,070,000.00	$5,087,500.00

Project Title: Muni Metro East Facility Boiler Replacement

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2019-103-10-01	1697-2019-2-P10	11/4/2021	9/1/2018	12/31/2023

Project Description
At the Muni Metro East Facility: Replace the boiler and air-conditioning units with more modern, efficient, technologically improved ones. The existing heating boiler and two roof-mounted air conditioning units has failed and their warranty period has expired. The scope of the work will include the assessment, and replacement as necessary, of piping system components relating to the boiler and air conditioning units.

Project Benefits
The Muni Metro East (MME) site is a strategic and critical location for storage and maintenance of Light Rail Vehicles (LRV) and this project maintains this facility in a state of good repair.

Additional Information
None provided.

Location Description
This project is located within the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: Not Provided
Description: Final federal approval is pending.

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$4,100,000
Local			$1,025,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$5,125,000**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2019-103-10-01	124-00 (124-A9)	SUPPORT EQUIP/FACILITIES (RAIL)	$4,100,000.00	$1,025,000.00	$5,125,000.00	1
CA-2019-103-10-01	12.42.06	PURCHASE - RAIL SHOP EQUIPMENT	$4,100,000.00	$1,025,000.00	$5,125,000.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.42.06 - PURCHASE - RAIL SHOP EQUIPMENT

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
SUPPORT EQUIP/FACILITIES (RAIL) (124-00)	12.42.06	PURCHASE - RAIL SHOP EQUIPMENT	ACQUISITION	1

Extended Budget Description
This entry is the estimated cost to purchase and replace the facility boiler.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$4,100,000
Local			$1,025,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$5,125,000**

Milestone Name	Est. Completion Date	Description
Start Date	9/1/2018	
End Date	12/31/2023	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers

that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
SUPPORT EQUIP/FACILITIES (RAIL) (124-00)	12.42.06	PURCHASE - RAIL SHOP EQUIPMENT	1	$4,100,000.00	$5,125,000.00

Project Title: Van Ness SGR

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2019-103-11-01	1697-2019-2-P11	11/4/2021	12/31/2007	12/31/2023

Project Description
These FTA funds will be used exclusively to replace existing overhead lines as part of regular required maintenance and repair to keep the system in a state of good repair. The overhead line replacement is being integrated and coordinated with the larger Van Ness BRT Project.

FY 19 §5337 funds will be directed to SGR upgrades.

Project Benefits
To improve bus operations on the Van Ness corridor by reducing travel times, improving reliability, and minimizing the impact of traffic congestion on operations.

Additional Information
None provided.

Location Description
This project is located within the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: Not Provided
Description: Final federal approval is pending.

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$1,830,000
Local			$457,500
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$2,287,500**

Project Budget

Project Number	Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2019-103-11-01	112-00 (112-B1) BUS TRANSITWAYS/LINES	$1,830,000.00	$457,500.00	$2,287,500.00	1
CA-2019-103-11-01	11.24.01 REHAB/ RENOVATE - BUSWAY	$1,830,000.00	$457,500.00	$2,287,500.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 11.24.01 - REHAB/RENOVATE - BUSWAY

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity

BUS TRANSITWAYS/LINES (112-00)	11.24.01	REHAB/ RENOVATE - BUSWAY	REHABILITATION/RENOVATION - BUS TRANSITWAY LINES	1

Extended Budget Description
This entry is for the planned Van Ness BRT SGR project costs.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$1,830,000
Local			$457,500
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$2,287,500**

Milestone Name	Est. Completion Date	Description
Start Date	12/31/2007	
End Date	12/31/2023	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
BUS TRANSITWAYS/LINES (112-00)	11.24.01	REHAB/ RENOVATE - BUSWAY	1	$1,830,000.00	$2,287,500.00

Project Title: Fixed Guideway Facilities Condition Assessment Implementation Projects

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2019-103-12-01	1697-2019-2-P12	11/4/2021	7/31/2016	8/31/2025

Project Description
Facilities Systemwide: Implement Facilities Deferred Maintenance Program repairs to address backlogged State of Good Repair investments on Fixed Guideway Facilities. These investments build on the agency's commitment to keeping its Fixed Guideway Facilities Assets in a State of Good Repair.

The 5337 SGR funds will specifically be used to do repairs and maintenance on the Fixed Guideway Facilities.

Project Benefits
The SFMTA's facilities are the most varied and old of all the transit operators in the Bay Area including the Fixed Guideway Facilities. Maintaining SFMTA's Fixed Guideway Facilities transportation assets in a state of good repair is key to keeping the aged facilities running efficiently, and thereby maintaining transit service levels across San Francisco.

Additional Information
None provided.

Location Description
This project is located within the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: Not Provided
Description: Final federal approval is pending.

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$900,000
Local			$225,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$1,125,000**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2019-103-12-01	114-00 (114-B3)	BUS: SUPPORT EQUIP AND FACILITIES	$900,000.00	$225,000.00	$1,125,000.00	1
CA-2019-103-12-01	11.44.02	REHAB/ RENOVATE - MAINTENANCE FACILITY	$900,000.00	$225,000.00	$1,125,000.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 11.44.02 - REHAB/RENOVATE - MAINTENANCE FACILITY

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
BUS: SUPPORT EQUIP AND FACILITIES (114-00)	11.44.02	REHAB/RENOVATE - MAINTENANCE FACILITY	REHAB/RENOVATE BUS SUPPORT FACIL/EQUIP	1

Extended Budget Description
This entry records estimated cost to perform planned rehab on bus equipment and facilities.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$900,000
Local			$225,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$1,125,000**

Milestone Name	Est. Completion Date	Description
Start Date	7/31/2016	
End Date	8/31/2025	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 08: Maintenance, rehabilitation, and reconstruction of facilities that occupy substantially the same geographic footprint and do not result in a change in functional use, such as: improvements to bridges, tunnels, storage yards, buildings, stations, and terminals; construction of platform extensions, passing track, and retaining walls; and improvements to tracks and railbeds.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
BUS: SUPPORT EQUIP AND FACILITIES (114-00)	11.44.02	REHAB/RENOVATE - MAINTENANCE FACILITY	1	$900,000.00	$1,125,000.00

Project Title: LRV Replacement

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2019-103-13-01	1697-2019-2-P13	11/4/2021	1/1/2013	12/31/2023

Project Description
FTA §5337 funds are exclusively for replacement vehicles.

Fleet-wide: Procure 219 light rail vehicles to replace existing fleet. The contract with Siemens calls for an array of replacement vehicles. State-of-the-art vehicles will be equipped with innovative safety features, improved passenger amenities, and modern information systems.

Project Benefits
Replacement vehicles will maintain system state of good repair.

Additional Information
None provided.

Location Description
This project is located within the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: Not Provided
Description: Final federal TIP approval is pending.

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$13,220,000

Local			$3,305,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$16,525,000**

Project Budget

Project Number		Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2019-103-13-01	121-00 (121-B2)	RAIL - ROLLING STOCK	$13,220,000.00	$3,305,000.00	$16,525,000.00	4
CA-2019-103-13-01		12.12.20 LIGHT RAIL CARS	$13,220,000.00	$3,305,000.00	$16,525,000.00	4

Project Budget Activity Line Items

Budget Activity Line Item: 12.12.20 - LIGHT RAIL CARS

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL - ROLLING STOCK (121-00)	12.12.20	LIGHT RAIL CARS	PURCHASE - REPLACE RAIL ROLLING STOCK	4

Extended Budget Description
Replace LRVs

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$13,220,000
Local			$3,305,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0

Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$16,525,000**

Milestone Name	Est. Completion Date	Description
Start Date	1/1/2013	
End Date	12/31/2023	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects called categorical exclusions (CEs) which are known not to have, either individually or cumulatively, a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. Class II(c) does not require documentation.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
RAIL - ROLLING STOCK (121-00)	12.12.20	LIGHT RAIL CARS	4	$13,220,000.00	$16,525,000.00

Part 4: Fleet Details

Fleet Type: Paratransit

Fleet Comments
The paratransit fleet consists of 151 vehicles.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	125

	B. Spares	25
	C. Total (A+B)	150
	D. Spare Ratio (B/A)	20%
II.	**Inactive Fleet**	
	A. Other	1
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	150

Fleet Type: Commuter Rail

Fleet Comments
This report represents the Historic vehicle fleet status.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	23
	B. Spares	18
	C. Total (A+B)	41
	D. Spare Ratio (B/A)	78.26%
II.	**Inactive Fleet**	
	A. Other	7
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	41

Fleet Type: Light Rail

Fleet Comments
SFMTA's current revenue fleet is 217.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	173
	B. Spares	44
	C. Total (A+B)	217
	D. Spare Ratio (B/A)	25.43%
II.	**Inactive Fleet**	
	A. Other	0
	B. Pending Disposal	0
	C. Total (A+B)	0

III.	**Total (I.C and II.C)**	217

Fleet Type: Fixed Route

Fleet Comments
This category reflects our 40' and 60' Trolley coaches.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	197
	B. Spares	81
	C. Total (A+B)	278
	D. Spare Ratio (B/A)	41.12%
II.	**Inactive Fleet**	
	A. Other	0
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	278

Fleet Type: Other

Fleet Comments
This category reflects our Motor coaches.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	483
	B. Spares	142
	C. Total (A+B)	625
	D. Spare Ratio (B/A)	29.4%
II.	**Inactive Fleet**	
	A. Other	0
	B. Pending Disposal	57
	C. Total (A+B)	57
III.	**Total (I.C and II.C)**	682

Part 5: FTA Review Comments

Application Review Comments

Comment By **Alexander Smith**

Comment Type	Pre-Award Manager Returns Application
Date	11/30/2021
Comment	At the top of the executive summary, describe the initial grant and how this amendment modifies the grant. For example, we are adding/moving/changing the award of xxxx grant number, containing yyyy dollars for the following purpose.

Comment By	**Alexander Smith**
Comment Type	Pre-Award Manager Returns Application
Date	12/22/2021
Comment	Please see email sent 12/22/21.

Comment By	**Alexander Smith**
Comment Type	Pre-Award Manager Returns Application
Date	7/28/2022
Comment	TAM statement has been added to executive summary.

Application Review Comments

Comment By	**Mark Lui**
Comment Type	Application Details
Date	6/25/2022
Comment	Please see responses to comments and questions on 6/24/22 message to Alex Smith.

Part 6: Agreement

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL TRANSIT ADMINISTRATION

GRANT AGREEMENT
(FTA G-29, October 1, 2021)

On the date the authorized U.S. Department of Transportation, Federal Transit Administration (FTA) official signs this Grant Agreement, FTA has obligated and awarded federal assistance as provided below. Upon execution of this Grant Agreement by the Recipient named below, the Recipient affirms this FTA Award, enters into this Grant Agreement with FTA, and binds its compliance with the terms of this Grant Agreement.

The following documents are incorporated by reference and made part of this Grant Agreement:

(1) "Federal Transit Administration Master Agreement," FTA MA(29), http://www.transit.dot.gov,
(2) The Certifications and Assurances applicable to the FTA Award that the Recipient has selected and provided to FTA, and
(3) Any Award notification containing special conditions or requirements, if issued.

WHEN THE TERM "FTA AWARD" OR "AWARD" IS USED, EITHER IN THIS GRANT AGREEMENT OR THE APPLICABLE MASTER AGREEMENT, "AWARD" ALSO INCLUDES ALL TERMS AND CONDITIONS SET FORTH IN THIS GRANT AGREEMENT.

FTA OR THE FEDERAL GOVERNMENT MAY WITHDRAW ITS OBLIGATION TO PROVIDE FEDERAL ASSISTANCE IF THE RECIPIENT DOES NOT EXECUTE THIS GRANT AGREEMENT WITHIN 90 DAYS FOLLOWING FTA's AWARD DATE SET FORTH HEREIN.

FTA AWARD

Federal Transit Administration (FTA) hereby awards a Federal Grant as follows:

Recipient Information

Recipient Name: San Francisco, City & County Of

Recipient ID: 1697

UEI:

DUNS: 956617435

Award Information

Federal Award Identification Number: CA-2019-103-01

Award Name: FY2019 State of Good Repair Grant

Award Start Date: 8/22/2019

Original Award End Date: 12/31/2027

Current Award End Date: 12/31/2027

Award Executive Summary: This amendment adds $13,220,000 of 2021 Fixed Guideway Funds to the SFO UZA in CA-2019-103 for LRV Replacements.

Purpose:
Maintain transit system assets in a state of good repair.

Activities to Be Performed:
Acquisition, construction, improvement and maintenance of facilities and equipment for use in transit, and include capital procurements, rolling stock purchases, design and construction costs, and the force account (personnel) expenditures required to support these capital project activities.

Expected Outcome:
Increased reliability and availability of transit buses, LRVs, and other transit equipment and infrastructure.

Intended Beneficiaries:
People of San Francisco and the greater Bay Area, visitors, and workers will all benefit from the increased reliability of SFMTA transit service.

Subrecipient Activities:
None.

This FY2019 Section 5337 State of Good Repair grant for $85,538,907 houses thirteen San Francisco Municipal Transportation Agency (SFMTA) transit-related projects.

Allowable capital project costs under this grant follow the guidelines and principles contained in OMB's Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal awards circular (Super Circular). Eligible costs are those associated with the acquisition, construction, improvement and maintenance of facilities and equipment for use in transit, and include capital procurements, rolling stock purchases, design and construction costs, and the force account (personnel) expenditures required to support these capital project activities.

The 5337 funds in this application are included in the investment prioritization section of SFMTA's TAM plan.

Research and Development: This award does not include research and development activities.

Indirect Costs: This award is applying an approved Indirect cost rate(s).

Suballocation Funds: Recipient organization is suballocated these apportioned funds and can apply for and receive these funds directly.

Pre-Award Authority: This award is using Pre-Award Authority.

Award Budget

Total Award Budget: $106,923,634.00

Amount of Federal Assistance Obligated for This FTA Action (in U.S. Dollars): $13,220,000.00

Amount of Non-Federal Funds Committed to This FTA Action (in U.S. Dollars): $3,305,000.00

Total FTA Amount Awarded and Obligated (in U.S. Dollars): $85,538,907.00

Total Non-Federal Funds Committed to the Overall Award (in U.S. Dollars): $21,384,727.00

Award Budget Control Totals

(The Budget includes the individual Project Budgets (Scopes and Activity Line Items) or as attached)

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$85,538,907
Local			$21,384,727
Local/In-Kind			$0
State			$0

State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$106,923,634**

(The Transportation Development Credits are not added to the amount of the Total Award Budget.)

U.S. Department of Labor Certification of Public Transportation Employee Protective Arrangements:

DOL Decision: DOL Concurs - Certified
DOL Review Date: 7/30/2019
DOL Certification Date: N/A

Amendment 1 DOL Decision: DOL Concurs - Certified
Amendment 1 DOL Review Date: 7/26/2022
Amendment 1 DOL Certification Date: 7/26/2022

Special Conditions

There are no special conditions.

FINDINGS AND DETERMINATIONS

By signing this Award on behalf of FTA, I am making all the determinations and findings required by federal law and regulations before this Award may be made.

FTA AWARD OF THE GRANT AGREEMENT

Awarded By:
Ray Tellis
Regional Administrator
FEDERAL TRANSIT ADMINISTRATION
U.S. DEPARTMENT OF TRANSPORTATION
Contact Info: ray.tellis@dot.gov
Award Date: 8/12/2022

EXECUTION OF THE GRANT AGREEMENT

Upon full execution of this Grant Agreement by the Recipient, the Effective Date will be the date FTA or the Federal Government awarded Federal assistance for this Grant Agreement.

By executing this Grant Agreement, the Recipient intends to enter into a legally binding agreement in which the Recipient:
(1) Affirms this FTA Award,
(2) Adopts and ratifies all of the following information it has submitted to FTA:
    (a) Statements,
    (b) Representations,
    (c) Warranties,

(d) Covenants, and
(e) Materials,

(3) Consents to comply with the requirements of this FTA Award, and

(4) Agrees to all terms and conditions set forth in this Grant Agreement.

Executed By:
Mark Lui
Pr Administrative Analyst
San Francisco, City & County Of
8/12/2022

DOT FTA

U.S. Department of Transportation **Federal Transit Administration**

Award

Federal Award Identification Number (FAIN)	CA-2021-119-00
Temporary Application Number	1697-2021-6
Award Name	FY2021 Section 5337 State of Good Repair
Award Status	Active (Executed)
Award Budget Number	0

Period of Performance Start Date	7/23/2021		
Original Period of Performance End Date	12/31/2024		
Current Period of Performance End Date	12/31/2024	Revision #: 0	Approved?: Yes

Part 1: Recipient Information

Name: SAN FRANCISCO, CITY & COUNTY OF

Recipient ID	Recipient OST Type	Recipient Alias	UEI	DUNS
1697	City	San Francisco Municipal Transportation Agency		956617435

Location Type	Address	City	State	Zip
Mailing Address	1 SOUTH VAN NESS AVE 7TH FLOOR	SAN FRANCISCO	CA	94103
Physical Address	1 S VAN NESS AVE	SAN FRANCISCO	CA	94103

Union Information

Union Name	**BROTHERHOOD OF LOCOMOTIVE ENGINEERS**
Address 1	1370 Ontario Street
Address 2	
City	Cleveland

State	Ohio
Zipcode	44113
Contact Name	D.M. Hahs
Telephone	2162412630
Fax	2162416516
E-mail	hahs@ble-t.org
Website	

Union Name	**INT ASSO OF MACHINISTS & AEROSPACE WORKERS**
Address 1	9000 Machinists Place
Address 2	
City	Upper Marlboro
State	Maryland
Zipcode	20772
Contact Name	Robert Roach Jr
Telephone	3019674500
Fax	3019674545
E-mail	rroach@IAMAW.org
Website	

Union Name	**INT BROTHERHOOD OF ELECTRICAL WORKERS**
Address 1	900 Seventh Street
Address 2	
City	Washington
State	DC
Zipcode	20001
Contact Name	Al Russo
Telephone	(202) 728-6018
Fax	
E-mail	railroad_dept@ibew.org
Website	

Union Name	**INT FEDERATION OF PROFESSIONAL & TECHNICAL ENGINEERS**
Address 1	8630 Fenton Street, Suite 400
Address 2	
City	Silver Spring
State	Maryland
Zipcode	20910
Contact Name	Gregory Junemann
Telephone	3015659016
Fax	3015650018
E-mail	gjunemann@ifpte.org

Website	
Union Name	**O`DONNELL, SCHWARTS & ANDERSON**
Address 1	1900 L Street, NW, Suite 707
Address 2	
City	Washington
State	District of Columbia
Zipcode	20036
Contact Name	Richard Edelman
Telephone	2028981824
Fax	2024298928
E-mail	redelman@odsalaw.com
Website	
Union Name	**SERVICE EMPLOYEES` INTERNATIONAL UNION**
Address 1	1313 L Street, NW
Address 2	
City	Washington
State	District of Columbia
Zipcode	20005
Contact Name	Andrew Stern
Telephone	2028983300
Fax	2028983402
E-mail	stern@seiu.org
Website	
Union Name	**TRANSPORT WORKERS UNION**
Address 1	1700 Broadway, 2nd Floor
Address 2	
City	New York
State	New York
Zipcode	10019
Contact Name	Michael O`Brian
Telephone	2122594900
Fax	2122654537
E-mail	m_o`brien@twu.org
Website	
Union Name	**TRANSPORTATION-COMMUNICATIONS INTERNATIONAL UNION**
Address 1	3 Research Place
Address 2	
City	Rockville
State	Maryland

Zipcode	20850
Contact Name	Robert Scardelletti
Telephone	3019484911
Fax	3019481369
E-mail	
Website	

Union Name	**Smart Tramsportation Division**
Address 1	24950 Country Club Blvd.
Address 2	Ste. 340
City	North Olmsted
State	OH
Zipcode	44070
Contact Name	Jeremy Ferguson
Telephone	(216) 228-9400
Fax	
E-mail	president_td@smart-union.org
Website	

Part 2: Award Information

Title: FY2021 Section 5337 State of Good Repair

FAIN	Award Status	Award Type	Application Cost Center	Date Created	Last Updated Date	From TEAM?
CA-2021-119-00	Active (Executed)	Grant	Region 9	3/15/2021	3/15/2021	No

Award Executive Summary
This FY2021 Section 5337 State of Good Repair grant for $44,918,308 is for Cable Car Infrastructure, Muni Rail Replacement, Wayside/Central Train Control & Trolley Signal Systems Rehabilitation, and Historic Streetcar & Cable Car Restorations. The required Local Share of $11,229,577 will be funded with Local Sales Tax revenues.

The funds are allocated to the SFO UZA and are approved by the MTC in the following TIP numbers: SF170021, SF99T002, SF95037B, and SF050024.

Frequency of Milestone Progress Reports (MPR)
Quarterly

Frequency of Federal Financial Reports (FFR)
Quarterly

Does this application include funds for research and/or development activities?
This award does not include research and development activities.

Pre-Award Authority
This award is using Pre-Award Authority.

Does this application include suballocation funds?
Recipient organization is suballocated these apportioned funds and can apply for and receive these funds directly.

Will this Grant be using Lapsing Funds?
No, this Grant does not use Lapsing Funds.

Will indirect costs be applied to this application?
This award is applying an approved Indirect cost rate(s).

Indirect Rate Details: Indirect Rate Details: FTA approved the SFMTA's indirect cost rates for FY2021 and a copy of the SFMTA's approved rates is attached to the SFMTA's Organization Documents. The approved rates of 116.3% for Transit Capital Projects and 67.7% for Sustainable Streets Capital Projects will be applied to the applicable activity line descriptions. Indirect Costs will apply to one or more activities contained within the scope of work.

Requires E.O. 12372 Review
No, this application does not require E.O. 12372 Review.

Delinquent Federal Debt
No, my organization does not have delinquent federal debt.

Award Description

Purpose
None provided.

Activities to be performed:
None provided.

Expected outcomes:
None provided.

Intended beneficiaries:
None provided.

Subrecipient Activities:
None provided.

Award Point of Contact Information

First Name	Last Name	Title	E-mail Address	Phone
	catherine.luu@dot.gov	General Engineer		
	alexander.smith@dot.gov	Transportation Planner		
Mark	Lui	Pr Administrative Analyst	mark.lui@sfmta.com	(415) 646-2516

Award Budget Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$44,918,308
Local			$11,229,577
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$56,147,885**

Award Budget

Project Number		Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2021-119-01-00	124-00 (124-A2)	SUPPORT EQUIP/FACILITIES (RAIL)		$1,617,000.00	$404,250.00	$2,021,250.00	1
CA-2021-119-01-00		12.44.20	REHAB/ RENOV - MISC RAIL EQUIPMENT	$1,617,000.00	$404,250.00	$2,021,250.00	1
CA-2021-119-02-00	122-00 (122-A3)	RAIL TRANSITWAY LINES		$7,026,000.00	$1,756,500.00	$8,782,500.00	1
CA-2021-119-02-00		12.24.03	REHAB/ RENOV LINE EQUIP/ STRUCTURES	$7,026,000.00	$1,756,500.00	$8,782,500.00	1
CA-2021-119-03-00	126-00 (126-A1)	SIGNAL/COMMUNICATION (RAIL)		$28,931,000.00	$7,232,750.00	$36,163,750.00	1
CA-2021-119-03-00		12.63.01	CONSTRUCT TRAIN CONTROL-SIGNAL SYS	$28,931,000.00	$7,232,750.00	$36,163,750.00	1
CA-2021-119-04-00	121-00 (121-A4)	RAIL - ROLLING STOCK		$7,344,308.00	$1,836,077.00	$9,180,385.00	1

CA-2021-119-04-00	12.14.26	COMMUTER RAIL CARS USED	$7,344,308.00	$1,836,077.00	$9,180,385.00	1

Discretionary Allocations

This application does not contain discretionary allocations.

Sources of Federal Financial Assistance

PO Number	Project Number	Scope Name	Scope Number	Scope Suffix	UZA Code	Area Name	Account Class Code	FPC	Description	Amendment Amount	Cumulative Amount
CA-54-0116	CA-2021-119-01-00	SUPPORT EQUIP/FACILITIES (RAIL)	124-00 (124)	A2	060060	San Francisco-Oakland, CA	2021.25.54.38.2	00	SGR - Fixed Guideway	$1,617,000	$1,617,000
CA-54-0116	CA-2021-119-02-00	RAIL TRANSITWAY LINES	122-00 (122)	A3	060060	San Francisco-Oakland, CA	2021.25.54.38.2	00	SGR - Fixed Guideway	$7,026,000	$7,026,000
CA-54-0116	CA-2021-119-03-00	SIGNAL/COMMUNICATION (RAIL)	126-00 (126)	A1	060060	San Francisco-Oakland, CA	2021.25.54.38.2	00	SGR - Fixed Guideway	$28,931,000	$28,931,000
CA-54-0116	CA-2021-119-04-00	RAIL - ROLLING STOCK	121-00 (121)	A4	060060	San Francisco-Oakland, CA	2021.25.54.38.2	00	SGR - Fixed Guideway	$7,344,308	$7,344,308

Part 3: Project Information

Project Title: Cable Car Infrastructure

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2021-119-01-00	1697-2021-6-P2	3/15/2021	1/1/2022	12/31/2024

Project Description
On the Cable Car System: Includes various guideway and infrastructure repair and improvement projects. Covers all street components of the Cable Car system, such as pulleys, switches and turntables. Replace track curves, frogs, sheaves, Barn 12KV, Switchgear, DC Motor, Mechanical, HVAC, and infrastructure upgrade for the space to comply with latest codes and ADA compliance.

Because this is an ongoing program, projects are in varying stages of conceptual design, design, and construction.

Project Benefits
The purpose of the project is to maintain efficient and reliable Cable Car operations.

Additional Information
None provided.

Location Description

This project will be implemented throughout the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060000	California
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 5/17/2021
Description: Cable Car Infrastructure TIP Approval

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$1,617,000
Local			$404,250
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$2,021,250**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2021-119-01-00	124-00 (124-A2)	SUPPORT EQUIP/FACILITIES (RAIL)	$1,617,000.00	$404,250.00	$2,021,250.00	1
CA-2021-119-01-00	12.44.20	REHAB/ RENOV - MISC RAIL EQUIPMENT	$1,617,000.00	$404,250.00	$2,021,250.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.44.20 - REHAB/RENOV - MISC RAIL EQUIPMENT

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
SUPPORT EQUIP/FACILITIES (RAIL) (124-00)	12.44.20	REHAB/RENOV - MISC RAIL EQUIPMENT	REHAB/RENOVATION	1

Extended Budget Description
On the Cable Car System: Includes various guideway and infrastructure repair and improvement projects. Covers all street components of the Cable Car system, such as pulleys, switches and turntables. Replace track curves, frogs, sheaves, Barn 12KV, Switchgear, DC Motor, Mechanical, HVAC, and infrastructure upgrade for the space to comply with latest codes and ADA compliance.

Will 3rd Party contractors be used to fulfill this activity line item?
No, 3rd Party Contractors will not be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$1,617,000
Local			$404,250
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$2,021,250**

Milestone Name	Est. Completion Date	Description
Start Date	1/1/2022	
End Date	12/31/2024	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 08: Maintenance, rehabilitation, and reconstruction of facilities that occupy substantially the same geographic footprint and do not result in a change in functional use, such as: improvements to bridges, tunnels, storage yards, buildings, stations, and terminals; construction of platform extensions, passing track, and retaining walls; and improvements to tracks and railbeds.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
SUPPORT EQUIP/FACILITIES (RAIL) (124-00)	12.44.20	REHAB/RENOV - MISC RAIL EQUIPMENT	1	$1,617,000.00	$2,021,250.00

Project Title: Muni Rail Replacement

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2021-119-02-00	1697-2021-6-P3	3/15/2021	1/1/2022	12/31/2024

Project Description
Systemwide: Design and replacement of trackway and related systems serving the light rail and cable car lines as part of a regular replacement program and to mitigate excessive noise and vibration. The program seeks to rehabilitate and repair existing track work, including replacement and tamping of ties and ballast and installation of guardrail, enhance system safety and reliability, while reducing the need for excessive maintenance. This program is divided into 10 year segments, and work is ongoing on various phases of the program.

Project Benefits
The program will enhance system safety, reliability and reduce the need for excess maintenance.

Additional Information
None provided.

Location Description
This project will be implemented throughout the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name

060000	California
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 5/17/2021
Description: Rail Replacement TIP Approval

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$7,026,000
Local			$1,756,500
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$8,782,500**

Project Budget

Project Number		Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2021-119-02-00	122-00	RAIL TRANSITWAY LINES	$7,026,000.00	$1,756,500.00	$8,782,500.00	1

	(122-A3)						
CA-2021-119-02-00		12.24.03	REHAB/ RENOV LINE EQUIP/ STRUCTURES	$7,026,000.00	$1,756,500.00	$8,782,500.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.24.03 - REHAB/RENOV LINE EQUIP/STRUCTURES

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL TRANSITWAY LINES (122-00)	12.24.03	REHAB/RENOV LINE EQUIP/STRUCTURES	REHAB/RENOVATION	1

Extended Budget Description
Systemwide: Design and replacement of trackway and related systems serving the light rail and cable car lines as part of a regular replacement program and to mitigate excessive noise and vibration. The program seeks to rehabilitate and repair existing track work, including replacement and tamping of ties and ballast and installation of guardrail, enhance system safety and reliability, while reducing the need for excessive maintenance.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$7,026,000
Local			$1,756,500
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$8,782,500**

Milestone Name	Est. Completion Date	Description
Start Date	1/1/2022	
End Date	12/31/2024	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 08: Maintenance, rehabilitation, and reconstruction of facilities that occupy substantially the same geographic footprint and do not result in a change in functional use, such as: improvements to bridges, tunnels, storage yards, buildings, stations, and terminals; construction of platform extensions, passing track, and retaining walls; and improvements to tracks and railbeds.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
RAIL TRANSITWAY LINES (122-00)	12.24.03	REHAB/RENOV LINE EQUIP/STRUCTURES	1	$7,026,000.00	$8,782,500.00

Project Title: Wayside/Central Train Control & Trolley Signal Systems Rehabilitation

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2021-119-03-00	1697-2021-6-P4	3/15/2021	1/1/2022	12/31/2024

Project Description
Systemwide: ATCS Wayside/Central Train Control & Rail/Bus Signal Systems Rehab/Replace Program includes but is not limited to (1) Final cutover of the new Advanced Train Control System (ATCS), remove the old signal system, and replace critical wayside equipment including station controllers, axle counters, and loop cables (2) Replace the UPS that provides power to the Central Control portion of the ATCS (3) Replace subway motor generators at Van Ness Station, which includes an Uninterruptible Power Supply (UPS) as backup for the wayside ATCS. (4) The Data Transmission System (DTS) provides remote control from Central Control of subway emergency ventilation fans, and monitors status of subway track switches, signal aspects, train traffic direction, and alarms, including fire and intrusion. The project replaces the deteriorated and obsolete system with a SCADA system and integrates it with other rail SCADA systems operated from Central Control. (5) Purchase a backup system for the Yard Departure Test Device (YDTD) at Muni's Metro Yard to minimize impacts on vehicle availability. (6) Signalize and electrify most switches in the Green Yard to enable control by LRV operators instead of current manual operations for more efficient operations. (7) Replace existing train control and signal system at various locations to increase protection for transit vehicles from auto traffic, reduce derailments and travel time, and improve safety, reliability, and maintainability of the system. (8) Rehab/ replace miscellaneous trolley coach signalization systems. Funds in the 2020s will be invested in the ultimate change out of the ATCS with a new Communications-Based Train Control program.

Project Benefits
To rehabilitate or replace elements of the ATCS Wayside Train Control and signal systems once they have reached the end of their useful life.

Additional Information

None provided.

Location Description
This project will be implemented throughout the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060000	California
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 5/17/2021
Description: Train Control & Trolley Signals TIP Approval

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$28,931,000
Local			$7,232,750
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$36,163,750**

Project Budget

Project Number	Budget Item			FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2021-119-03-00	126-00 (126-A1)	SIGNAL/COMMUNICATION (RAIL)		$28,931,000.00	$7,232,750.00	$36,163,750.00	1
CA-2021-119-03-00		12.63.01	CONSTRUCT TRAIN CONTROL-SIGNAL SYS	$28,931,000.00	$7,232,750.00	$36,163,750.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.63.01 - CONSTRUCT TRAIN CONTROL-SIGNAL SYS

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
SIGNAL/COMMUNICATION (RAIL) (126-00)	12.63.01	CONSTRUCT TRAIN CONTROL-SIGNAL SYS	CONSTRUCTION	1

Extended Budget Description
To rehabilitate or replace elements of the ATCS Wayside Train Control and signal systems once they have reached the end of their useful life.

Will 3rd Party contractors be used to fulfill this activity line item?
No, 3rd Party Contractors will not be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$28,931,000
Local			$7,232,750
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$36,163,750**

Milestone Name	Est. Completion Date	Description
Start Date	1/1/2022	
End Date	12/31/2024	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 08: Maintenance, rehabilitation, and reconstruction of facilities that occupy substantially the same geographic footprint and do not result in a change in functional use, such as: improvements to bridges, tunnels, storage yards, buildings, stations, and terminals; construction of platform extensions, passing track, and retaining walls; and improvements to tracks and railbeds.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
SIGNAL/COMMUNICATION (RAIL) (126-00)	12.63.01	CONSTRUCT TRAIN CONTROL-SIGNAL SYS	1	$28,931,000.00	$36,163,750.00

Project Title: Historic Streetcar & Cable Car Restorations

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2021-119-04-00	1697-2021-6-P5	5/29/2021	1/1/2022	1/1/2025

Project Description
Fleet of historic streetcars: Rehabilitate vehicles. SFMTA operates a fleet of Presidents' Conference Committee streetcars (PCC) and other vintage streetcars 21 hours per day, 365 days a year. The PCCs carries approximately 20,000 people per day from Castro and Market Street along the Embarcadero to Fisherman's wharf. For the current F-Line service and envisioned E-Line service to Mission Bay and Fort Mason, the SFMTA needs to rehabilitate many of its historic streetcars to provide safe and reliable service.

Project Benefits
Improve safe and reliable services, and extend the lifespan of historic streetcars.

Additional Information
None provided.

Location Description
This project will be implemented throughout the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name

060000	California
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 5/17/2021
Description: Historics and Cable Car Restorations TIP Approval

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$7,344,308
Local			$1,836,077
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$9,180,385**

Project Budget

Project Number		Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2021-119-04-00	121-00	RAIL - ROLLING STOCK	$7,344,308.00	$1,836,077.00	$9,180,385.00	1

	(121-A4)						
CA-2021-119-04-00		12.14.26	COMMUTER RAIL CARS USED	$7,344,308.00	$1,836,077.00	$9,180,385.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.14.26 - COMMUTER RAIL CARS USED

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL - ROLLING STOCK (121-00)	12.14.26	COMMUTER RAIL CARS USED	REHAB/REBUILD - RAIL ROLL STOCK	1

Extended Budget Description
Fleet of historic streetcars: Rehabilitate vehicles. SFMTA operates a fleet of Presidents' Conference Committee streetcars (PCC) and other vintage streetcars 21 hours per day, 365 days a year. The PCCs carries approximately 20,000 people per day from Castro and Market Street along the Embarcadero to Fisherman's wharf. For the current F-Line service and envisioned E-Line service to Mission Bay and Fort Mason, the SFMTA needs to rehabilitate many of its historic streetcars to provide safe and reliable service.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$7,344,308
Local			$1,836,077
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$9,180,385**

Milestone Name	Est. Completion Date	Description
RFP/IFB Issue Date	1/1/2022	
Contract Award Date	1/1/2023	
Initial Delivery Date	1/1/2024	
Final Delivery Date	1/1/2025	
Contract Completion Date	1/1/2025	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
RAIL - ROLLING STOCK (121-00)	12.14.26	COMMUTER RAIL CARS USED	1	$7,344,308.00	$9,180,385.00

Part 4: Fleet Details

Fleet Type: Paratransit

Fleet Comments
The paratransit fleet consists of 151 vehicles.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	125
	B. Spares	25
	C. Total (A+B)	150
	D. Spare Ratio (B/A)	20%
II.	**Inactive Fleet**	
	A. Other	1
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	150

Fleet Type: Commuter Rail

Fleet Comments
This report represents the Historic vehicle fleet status.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	23
	B. Spares	18
	C. Total (A+B)	41
	D. Spare Ratio (B/A)	78.26%
II.	**Inactive Fleet**	
	A. Other	7
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	41

Fleet Type: Light Rail

Fleet Comments
SFMTA's current revenue fleet is 217.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	173
	B. Spares	44
	C. Total (A+B)	217
	D. Spare Ratio (B/A)	25.43%
II.	**Inactive Fleet**	
	A. Other	0
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	217

Fleet Type: Fixed Route

Fleet Comments
This category reflects our 40' and 60' Trolley coaches.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	197

	B. Spares	81
	C. Total (A+B)	278
	D. Spare Ratio (B/A)	41.12%
II.	**Inactive Fleet**	
	A. Other	0
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	278

Fleet Type: Other

Fleet Comments
This category reflects our Motor coaches.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	483
	B. Spares	142
	C. Total (A+B)	625
	D. Spare Ratio (B/A)	29.4%
II.	**Inactive Fleet**	
	A. Other	0
	B. Pending Disposal	57
	C. Total (A+B)	57
III.	**Total (I.C and II.C)**	682

Part 5: FTA Review Comments

Application Review Comments

Comment By	Alexander Smith
Comment Type	Pre-Award Manager Returns Application
Date	6/9/2021
Comment	Returned at grantee request.

Comment By	Alexander Smith
Comment Type	Pre-Award Manager Returns Application
Date	7/1/2021

Comment	Unable to complete the financial confirmation of funds because the Federal amount requested in the Executive Summary does not match Federal funds identified in the Application Control Totals, Uploaded MTC Split Letter and MTC Concurrence Letter, and the Project Budget. The amount in the Executive Summary is $37,574,000. The other amount is $44,918,308. The difference is $7,344,308 which are the funds allocated for the Streetcar and Cable Car Restorations. Also, noted that the Local Share amount $11,229,577 and source of the local share is not mentioned in the Executive Summary. Lastly, Indirect Costs are to be applied to this application so I will seek approval for that.

Application Review Comments

Comment By	Mark Lui
Comment Type	Application Details
Date	6/30/2021
Comment	Added MTC POP and Concurrence Letter as requested.

Comment By	Mark Lui
Comment Type	Application Details
Date	7/1/2021
Comment	Revised Executive Summary amount and added statement about Local Share funding.

Part 6: Agreement

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL TRANSIT ADMINISTRATION

GRANT AGREEMENT
(FTA G-28, February 9, 2021)

On the date the authorized U.S. Department of Transportation, Federal Transit Administration (FTA) official signs this Grant Agreement, FTA has obligated and awarded federal assistance as provided below. Upon execution of this Grant Agreement by the Recipient named below, the Recipient affirms this FTA Award, enters into this Grant Agreement with FTA, and binds its compliance with the terms of this Grant Agreement.

The following documents are incorporated by reference and made part of this Grant Agreement:
(1) "Federal Transit Administration Master Agreement," FTA MA(28), February 9, 2021, http://www.transit.dot.gov,
(2) The Certifications and Assurances applicable to the FTA Award that the Recipient has selected and provided to FTA, and
(3) Any Award notification containing special conditions or requirements, if issued.

WHEN THE TERM “FTA AWARD” OR “AWARD” IS USED, EITHER IN THIS GRANT AGREEMENT OR

THE APPLICABLE MASTER AGREEMENT, “AWARD” ALSO INCLUDES ALL TERMS AND CONDITIONS SET FORTH IN THIS GRANT AGREEMENT.

FTA OR THE FEDERAL GOVERNMENT MAY WITHDRAW ITS OBLIGATION TO PROVIDE FEDERAL ASSISTANCE IF THE RECIPIENT DOES NOT EXECUTE THIS GRANT AGREEMENT WITHIN 90 DAYS FOLLOWING FTA's AWARD DATE SET FORTH HEREIN.

FTA AWARD

Federal Transit Administration (FTA) hereby awards a Federal Grant as follows:

Recipient Information

Recipient Name: SAN FRANCISCO, CITY & COUNTY OF

Recipient ID: 1697

UEI:

DUNS: 956617435

Award Information

Federal Award Identification Number: CA-2021-119-00

Award Name: FY2021 Section 5337 State of Good Repair

Award Start Date: 7/23/2021

Original Award End Date: 12/31/2024

Current Award End Date: 12/31/2024

Award Executive Summary: This FY2021 Section 5337 State of Good Repair grant for $44,918,308 is for Cable Car Infrastructure, Muni Rail Replacement, Wayside/Central Train Control & Trolley Signal Systems Rehabilitation, and Historic Streetcar & Cable Car Restorations. The required Local Share of $11,229,577 will be funded with Local Sales Tax revenues.

The funds are allocated to the SFO UZA and are approved by the MTC in the following TIP numbers: SF170021, SF99T002, SF95037B, and SF050024.

Research and Development: This award does not include research and development activities.

Indirect Costs: This award is applying an approved Indirect cost rate(s).

Suballocation Funds: Recipient organization is suballocated these apportioned funds and can apply for and receive these funds directly.

Pre-Award Authority: This award is using Pre-Award Authority.

Award Budget

Total Award Budget: $56,147,885.00

Amount of Federal Assistance Obligated for This FTA Action (in U.S. Dollars): $44,918,308.00

Amount of Non-Federal Funds Committed to This FTA Action (in U.S. Dollars): $11,229,577.00

Total FTA Amount Awarded and Obligated (in U.S. Dollars): $44,918,308.00

Total Non-Federal Funds Committed to the Overall Award (in U.S. Dollars): $11,229,577.00

Award Budget Control Totals

(The Budget includes the individual Project Budgets (Scopes and Activity Line Items) or as attached)

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$44,918,308
Local			$11,229,577
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$56,147,885**

(The Transportation Development Credits are not added to the amount of the Total Award Budget.)

U.S. Department of Labor Certification of Public Transportation Employee Protective Arrangements:

DOL Decision: DOL Concurs - Certified
DOL Review Date: 7/22/2021
DOL Certification Date: N/A

Special Conditions

There are no special conditions.

FINDINGS AND DETERMINATIONS

By signing this Award on behalf of FTA, I am making all the determinations and findings required by federal law and regulations before this Award may be made.

FTA AWARD OF THE GRANT AGREEMENT

Awarded By:
Ted Matley

Supervisory Transportation Program Specialist
FEDERAL TRANSIT ADMINISTRATION
U.S. DEPARTMENT OF TRANSPORTATION
Contact Info: ted.matley@dot.gov
Award Date: 7/23/2021

EXECUTION OF THE GRANT AGREEMENT

Upon full execution of this Grant Agreement by the Recipient, the Effective Date will be the date FTA or the Federal Government awarded Federal assistance for this Grant Agreement.

By executing this Grant Agreement, the Recipient intends to enter into a legally binding agreement in which the Recipient:
(1) Affirms this FTA Award,
(2) Adopts and ratifies all of the following information it has submitted to FTA:
    (a) Statements,
    (b) Representations,
    (c) Warranties,
    (d) Covenants, and
    (e) Materials,
(3) Consents to comply with the requirements of this FTA Award, and
(4) Agrees to all terms and conditions set forth in this Grant Agreement.

Executed By:
Mark Lui
Pr Administrative Analyst
SAN FRANCISCO, CITY & COUNTY OF
7/23/2021

DOT FTA

U.S. Department of Transportation **Federal Transit Administration**

Award

Federal Award Identification Number (FAIN)	CA-2022-225-00
Temporary Application Number	1697-2022-2
Award Name	FY2022 5337 State of Good Repair
Award Status	Active (Executed)
Award Budget Number	0

Period of Performance Start Date	9/21/2022		
Original Period of Performance End Date	12/31/2026		
Current Period of Performance End Date	12/31/2026	Revision #: 0	Approved?: Yes

Part 1: Recipient Information

Name: SAN FRANCISCO, CITY & COUNTY OF

Recipient ID	Recipient OST Type	Recipient Alias	UEI	DUNS
1697	City	San Francisco Municipal Transportation Agency	GSL6KW4Z5UE1	956617435

Location Type	Address	City	State	Zip
Mailing Address	1 SOUTH VAN NESS AVE 7TH FLOOR	SAN FRANCISCO	CA	94103
Physical Address	1 S VAN NESS AVE	SAN FRANCISCO	CA	94103

Union Information

Union Name	BROTHERHOOD OF LOCOMOTIVE ENGINEERS
Address 1	1370 Ontario Street
Address 2	
City	Cleveland

State	Ohio
Zipcode	44113
Contact Name	D.M. Hahs
Telephone	2162412630
Fax	2162416516
E-mail	hahs@ble-t.org
Website	

Union Name	**INT ASSO OF MACHINISTS & AEROSPACE WORKERS**
Address 1	9000 Machinists Place
Address 2	
City	Upper Marlboro
State	Maryland
Zipcode	20772
Contact Name	Robert Roach Jr
Telephone	3019674500
Fax	3019674545
E-mail	rroach@IAMAW.org
Website	

Union Name	**INT BROTHERHOOD OF ELECTRICAL WORKERS**
Address 1	900 Seventh Street
Address 2	
City	Washington
State	DC
Zipcode	20001
Contact Name	Al Russo
Telephone	(202) 728-6018
Fax	
E-mail	railroad_dept@ibew.org
Website	

Union Name	**INT FEDERATION OF PROFESSIONAL & TECHNICAL ENGINEERS**
Address 1	8630 Fenton Street, Suite 400
Address 2	
City	Silver Spring
State	Maryland
Zipcode	20910
Contact Name	Gregory Junemann
Telephone	3015659016
Fax	3015650018
E-mail	gjunemann@ifpte.org

Website	
Union Name	**O`DONNELL, SCHWARTS & ANDERSON**
Address 1	1900 L Street, NW, Suite 707
Address 2	
City	Washington
State	District of Columbia
Zipcode	20036
Contact Name	Richard Edelman
Telephone	2028981824
Fax	2024298928
E-mail	redelman@odsalaw.com
Website	
Union Name	**SERVICE EMPLOYEES` INTERNATIONAL UNION**
Address 1	1313 L Street, NW
Address 2	
City	Washington
State	District of Columbia
Zipcode	20005
Contact Name	Andrew Stern
Telephone	2028983300
Fax	2028983402
E-mail	stern@seiu.org
Website	
Union Name	**TRANSPORT WORKERS UNION**
Address 1	1700 Broadway, 2nd Floor
Address 2	
City	New York
State	New York
Zipcode	10019
Contact Name	Michael O`Brian
Telephone	2122594900
Fax	2122654537
E-mail	m_o`brien@twu.org
Website	
Union Name	**TRANSPORTATION-COMMUNICATIONS INTERNATIONAL UNION**
Address 1	3 Research Place
Address 2	
City	Rockville
State	Maryland

Zipcode	20850
Contact Name	Robert Scardelletti
Telephone	3019484911
Fax	3019481369
E-mail	
Website	

Union Name	**Smart Tramsportation Division**
Address 1	24950 Country Club Blvd.
Address 2	Ste. 340
City	North Olmsted
State	OH
Zipcode	44070
Contact Name	Jeremy Ferguson
Telephone	(216) 228-9400
Fax	
E-mail	president_td@smart-union.org
Website	

Part 2: Award Information

Title: FY2022 5337 State of Good Repair

FAIN	Award Status	Award Type	Application Cost Center	Date Created	Last Updated Date	From TEAM?
CA-2022-225-00	Active (Executed)	Grant	Region 9	8/1/2022	8/1/2022	No

Award Executive Summary
The SFMTA will use a total of $144,252,435 in FY 2022 5337 State of Good Repair funds for Wayside/ Central Train Control & Trolley Signal Systems, Light Rail Vehicle Replacement Procurements, Cable Car Restorations, Muni Rail Replacement, Overhead Line Rehabilitation, and Cable Car Infrastructure. The required Local Share of $36,063,109 will be funded with Local Sales Taxes, Developer Fees, and Fare Revenues.

Please note that the LRV Replacement Project is ONLY for replacing existing LRV fleet vehicles with planned retirements. The funds will NOT be used to expand the LRV Fleet and the schedule of planned LRV retirements and related book values is attached to the project documents in this grant application.

Purpose:
This grant will allow SFMTA to Improve Safety/Rail Service Efficiency, LRV/Cable Car Reliability, Rail Track Safety, Overhead Line Reliability, and Cable Car System Reliability.

Activities to be Performed:
Procure Train Control/Trolley Signal System Services, LRVs, Cable Car Restoration Services, Rail Replacement Services, Overhead Line Rehab Services, and Cable Car Infrastructure Services.

Expected Outcomes:
Transit infrastructure and operating systems will maintain and improve safety, reliability, and efficiency of San Francisco's critical transit service system.

Intended Beneficiaries
The residents of San Francisco as well as the community of the greater Bay Area rely on affordable, accessible, and dependable transit service. Without this service, many people would not be able to travel to work, shop for food, or obtain needed medical care.

Subrecipient Activities:
There will be no subrecipients for this project.

Allowable capital project costs under this grant follow the guidelines and principles contained in OMB's Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal awards circular (Super Circular). Eligible costs are those associated with the acquisition, construction, improvement and maintenance of facilities and equipment for use in transit, and include capital procurements, rolling stock purchases, design and construction costs and the force account (personnel) expenditures required to support these capital project activities.

The funds are allocated to the SFO UZA and are approved by the MTC in the following TIP numbers: SF050024 $24,272,000, SF090012 $108,635,101, SF970073 $2,293,334, SF95037B $3,639,000, SF970170 $2,930,000, and SF99T002 $2,483,000.

The 5337 funds in this application are included in the Investment Prioritization Section of SFMTA's TAM Plan.

Frequency of Milestone Progress Reports (MPR)
Quarterly

Frequency of Federal Financial Reports (FFR)
Quarterly

Does this application include funds for research and/or development activities?
This award does not include research and development activities.

Pre-Award Authority
This award is using Pre-Award Authority.

Does this application include suballocation funds?
Recipient organization is suballocated these apportioned funds and can apply for and receive these funds directly.

Will this Grant be using Lapsing Funds?
No, this Grant does not use Lapsing Funds.

Will indirect costs be applied to this application?
This award does not include an indirect cost rate.

Indirect Rate Details: N/A

Requires E.O. 12372 Review
No, this application does not require E.O. 12372 Review.

Delinquent Federal Debt

No, my organization does not have delinquent federal debt.

Award Description

Purpose
None provided.

Activities to be performed:
None provided.

Expected outcomes:
None provided.

Intended beneficiaries:
None provided.

Subrecipient Activities:
None provided.

Award Point of Contact Information

First Name	Last Name	Title	E-mail Address	Phone
	catherine.luu@dot.gov	General Engineer		
	alexander.smith@dot.gov	Transportation Planner		
Mark	Lui	Pr Administrative Analyst	mark.lui@sfmta.com	(415) 646-2516

Award Budget Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$144,252,435
Local			$36,063,109
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$180,315,544**

Award Budget

Project Number	Budget Item			FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2022-225-01-00	126-00 (126-A1)	SIGNAL/COMMUNICATION (RAIL)		$24,272,000.00	$6,068,000.00	$30,340,000.00	1
CA-2022-225-01-00		12.63.01	CONSTRUCT TRAIN CONTROL-SIGNAL SYS	$24,272,000.00	$6,068,000.00	$30,340,000.00	1
CA-2022-225-02-00	121-00 (121-A2)	RAIL - ROLLING STOCK		$108,635,101.00	$27,158,775.00	$135,793,876.00	32
CA-2022-225-02-00		12.12.20	LIGHT RAIL CARS	$108,635,101.00	$27,158,775.00	$135,793,876.00	32
CA-2022-225-03-00	122-00 (122-A3)	RAIL TRANSITWAY LINES		$3,639,000.00	$909,750.00	$4,548,750.00	1
CA-2022-225-03-00		12.24.20	REHAB/ RENOV MISC RAIL EQUIPMENT	$3,639,000.00	$909,750.00	$4,548,750.00	1
CA-2022-225-04-00	121-00 (121-A6)	RAIL - ROLLING STOCK		$2,293,334.00	$573,334.00	$2,866,668.00	1
CA-2022-225-04-00		12.14.30	REHAB/ REBUILD CABLE CARS	$2,293,334.00	$573,334.00	$2,866,668.00	1
CA-2022-225-05-00	112-00 (112-A4)	BUS TRANSITWAYS/LINES		$2,930,000.00	$732,500.00	$3,662,500.00	1
CA-2022-225-05-00		11.24.03	REHAB/ RENOVATE - LINE EQUIP/ STRUCTURES	$2,930,000.00	$732,500.00	$3,662,500.00	1
CA-2022-225-06-00	122-00 (122-A5)	RAIL TRANSITWAY LINES		$2,483,000.00	$620,750.00	$3,103,750.00	1
CA-2022-225-06-00		12.24.20	REHAB/ RENOV MISC RAIL EQUIPMENT	$2,483,000.00	$620,750.00	$3,103,750.00	1

Discretionary Allocations

This application does not contain discretionary allocations.

Sources of Federal Financial Assistance

PO Number	Project Number	Scope Name	Scope Number	Scope Suffix	UZA Code	Area Name	Account Class Code	FPC	Description	Amendment Amount	Cumulative Amount
CA-54-0132	CA-2022-225-01-00	SIGNAL/COMMUNICATION (RAIL)	126-00 (126)	A1	060060	San Francisco-Oakland, CA	2022.2J.54.38.2	00	SGR - Fixed Guideway	$24,272,000	$24,272,000
CA-54-0132	CA-2022-225-02-00	RAIL - ROLLING STOCK	121-00 (121)	A2	060060	San Francisco-Oakland, CA	2022.2J.54.38.2	00	SGR - Fixed Guideway	$108,635,101	$108,635,101
CA-54-0132	CA-2022-225-03-00	RAIL TRANSITWAY LINES	122-00 (122)	A3	060060	San Francisco-Oakland, CA	2022.2J.54.38.2	00	SGR - Fixed Guideway	$3,639,000	$3,639,000
CA-54-0132	CA-2022-225-04-00	RAIL - ROLLING STOCK	121-00 (121)	A6	060060	San Francisco-Oakland, CA	2022.2J.54.38.2	00	SGR - Fixed Guideway	$2,293,334	$2,293,334
CA-54-0132	CA-2022-225-05-00	BUS TRANSITWAYS/LINES	112-00 (112)	A4	060060	San Francisco-Oakland, CA	2022.2J.54.38.2	00	SGR - Fixed Guideway	$2,930,000	$2,930,000
CA-54-0132	CA-2022-225-06-00	RAIL TRANSITWAY LINES	122-00 (122)	A5	060060	San Francisco-Oakland, CA	2022.2J.54.38.2	00	SGR - Fixed Guideway	$2,483,000	$2,483,000

Part 3: Project Information

Project Title: Wayside/Central Train Control & Trolley Signal Systems

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2022-225-01-00	1697-2022-2-P1	8/1/2022	3/31/2023	3/31/2026

Project Description

SFMTA: Systemwide: ATCS Wayside/Central Train Control & Rail/Bus Signal Systems Rehab/Replace Program includes but is not limited to (1) Final cutover of the new Advanced Train Control System (ATCS), remove the old signal system, and replace critical wayside equipment including station controllers, axle counters, and loop cables (2) Replace the UPS that provides power to the Central Control portion of the ATCS (3) Replace subway motor generators at Van Ness Station, which includes an Uninterruptible Power Supply (UPS) as backup for the wayside ATCS. (4) The Data Transmission System (DTS) provides remote control from Central Control of subway emergency ventilation fans, and monitors status of subway track switches, signal aspects, train traffic direction, and alarms, including fire and intrusion. The project replaces the deteriorated and obsolete system with a SCADA system and integrates it with other rail SCADA systems operated from Central Control. (5) Purchase a backup

system for the Yard Departure Test Device (YDTD) at Muni's Metro Yard to minimize impacts on vehicle availability. (6) Signalize and electrify most switches in the Green Yard to enable control by LRV operators instead of current manual operations for more efficient operations. (7) Replace existing train control and signal system at various locations to increase protection for transit vehicles from auto traffic, reduce derailments and travel time, and improve safety, reliability, and maintainability of the system. (8) Rehab/replace miscellaneous trolley coach signalization systems. Funds in the 2020s will be invested in the ultimate change out of the ATCS with a new Communications-Based Train Control program.

Project Benefits
This project will improve the safety and reliability of the rail system.

Additional Information
None provided.

Location Description
This project is located throughout San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 5/13/2022
Description: Wayside/Central Train Control & Trolley Signal Systems

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$24,272,000
Local			$6,068,000
Local/In-Kind			$0
State			$0

State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$30,340,000**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2022-225-01-00	126-00 (126-A1)	SIGNAL/COMMUNICATION (RAIL)	$24,272,000.00	$6,068,000.00	$30,340,000.00	1
CA-2022-225-01-00	12.63.01	CONSTRUCT TRAIN CONTROL-SIGNAL SYS	$24,272,000.00	$6,068,000.00	$30,340,000.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.63.01 - CONSTRUCT TRAIN CONTROL-SIGNAL SYS

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
SIGNAL/COMMUNICATION (RAIL) (126-00)	12.63.01	CONSTRUCT TRAIN CONTROL-SIGNAL SYS	CONSTRUCTION	1

Extended Budget Description
SFMTA: Systemwide: ATCS Wayside/Central Train Control & Rail/Bus Signal Systems Rehab/Replace Program includes but is not limited to (1) Final cutover of the new Advanced Train Control System (ATCS), remove the old signal system, and replace critical wayside equipment including station controllers, axle counters, and loop cables (2) Replace the UPS that provides power to the Central Control portion of the ATCS (3) Replace subway motor generators at Van Ness Station, which includes an Uninterruptible Power Supply (UPS) as backup for the wayside ATCS. (4) The Data Transmission System (DTS) provides remote control from Central Control of subway emergency ventilation fans, and monitors status of subway track switches, signal aspects, train traffic direction, and alarms, including fire and intrusion. The project replaces the deteriorated and obsolete system with a SCADA system and integrates it with other rail SCADA systems operated from Central Control. (5) Purchase a backup system for the Yard Departure Test Device (YDTD) at Muni's Metro Yard to minimize impacts on vehicle availability. (6) Signalize and electrify most switches in the Green Yard to enable control by LRV operators instead of current manual operations for more efficient operations. (7) Replace existing train control and signal system at various locations to increase protection for transit vehicles from auto traffic, reduce derailments and travel time, and improve safety, reliability, and maintainability of the system. (8) Rehab/replace miscellaneous trolley coach signalization systems. Funds in the 2020s will be invested in the ultimate change out of the ATCS with a new Communications-Based Train Control program.

Will 3rd Party contractors be used to fulfill this activity line item?

Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$24,272,000
Local			$6,068,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$30,340,000**

Milestone Name	Est. Completion Date	Description
Start Date	3/31/2023	
End Date	3/31/2026	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
SIGNAL/COMMUNICATION (RAIL) (126-00)	12.63.01	CONSTRUCT TRAIN	1	$24,272,000.00	$30,340,000.00

CONTROL-
SIGNAL SYS

Project Title: Light Rail Vehicle Replacement Procurements

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2022-225-02-00	1697-2022-2-P2	8/2/2022	12/31/2022	12/31/2026

Project Description
Procure light rail vehicles with an option for an additional vehicles to replace existing fleet.

Please note that the LRV Replacement Project is ONLY for replacing existing LRV fleet vehicles with planned retirements. The funds will NOT be used to expand the LRV Fleet and the schedule of planned LRV retirements and related book values is attached to the project documents in this grant application.

Project Benefits
State-of-the-art vehicles will be equipped with innovative safety features, improved passenger amenities and modern information systems.

Additional Information
None provided.

Location Description
This project provides service throughout San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 6/8/2022
Description: Light Rail Vehicle Replacement Procurements

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$108,635,101
Local			$27,158,775
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$135,793,876**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2022-225-02-00	121-00 (121-A2)	RAIL - ROLLING STOCK	$108,635,101.00	$27,158,775.00	$135,793,876.00	32
CA-2022-225-02-00	12.12.20	LIGHT RAIL CARS	$108,635,101.00	$27,158,775.00	$135,793,876.00	32

Project Budget Activity Line Items

Budget Activity Line Item: 12.12.20 - LIGHT RAIL CARS

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL - ROLLING STOCK (121-00)	12.12.20	LIGHT RAIL CARS	PURCHASE - REPLACE RAIL ROLLING STOCK	32

Extended Budget Description
Procure 219 light rail vehicles with an option for an additional 45 vehicles to replace existing fleet and expand service. The contract with Siemens calls for an array of replacement (151) and expansion vehicles (113). State-of-the-art vehicles will be equipped with innovative safety features, improved passenger amenities and modern information systems. $16.8M of funding for vehicles to serve Central Subway accounted for in TIP ID SF-010037 (Central Subway Project).

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$108,635,101
Local			$27,158,775
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$135,793,876**

Milestone Name	Est. Completion Date	Description
RFP/IFB Issue Date	12/31/2022	
Contract Award Date	12/31/2022	
Initial Delivery Date	12/31/2022	
Final Delivery Date	12/31/2025	
Contract Completion Date	12/31/2026	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost

RAIL - ROLLING STOCK (121-00)	12.12.20	LIGHT RAIL CARS	32	$108,635,101.00	$135,793,876.00

Project Title: Muni Rail Replacement

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2022-225-03-00	1697-2022-2-P3	8/2/2022	12/31/2022	12/31/2025

Project Description
Design and replacement of trackway and related systems serving the light rail and cable car lines as part of a regular replacement program and to mitigate excessive noise and vibration. The program seeks to rehabilitate and repair existing track work, including replacement and tamping of ties and ballast and installation of guardrail, enhance system safety and reliability, while reducing the need for excessive maintenance. This program is divided into 10 year segments, and work is ongoing on various phases of the program.

Project Benefits
Design and replacement of trackway and related systems serving the light rail and cable car lines as part of a regular replacement program and to mitigate excessive noise and vibration. The program seeks to rehabilitate and repair existing track work, including replacement and tamping of ties and ballast and installation of guardrail, enhance system safety and reliability, while reducing the need for excessive maintenance. This program is divided into 10 year segments, and work is ongoing on various phases of the program.

Additional Information
None provided.

Location Description
Project is located throughout San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 6/8/2022
Description: Muni Rail Replacement

UPWP
Date: N/A

Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$3,639,000
Local			$909,750
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$4,548,750**

Project Budget

Project Number		Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2022-225-03-00	122-00 (122-A3)	RAIL TRANSITWAY LINES		$3,639,000.00	$909,750.00	$4,548,750.00	1
CA-2022-225-03-00		12.24.20	REHAB/ RENOV MISC RAIL EQUIPMENT	$3,639,000.00	$909,750.00	$4,548,750.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.24.20 - REHAB/RENOV MISC RAIL EQUIPMENT

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL TRANSITWAY LINES (122-00)	12.24.20	REHAB/RENOV MISC RAIL EQUIPMENT	REHAB/RENOVATION	1

Extended Budget Description
Design and replacement of trackway and related systems serving the light rail and cable car lines as part of a regular replacement program and to mitigate excessive noise and vibration. The program seeks to rehabilitate and repair existing track work, including replacement and tamping of ties and

ballast and installation of guardrail, enhance system safety and reliability, while reducing the need for excessive maintenance. This program is divided into 10 year segments, and work is ongoing on various phases of the program.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$3,639,000
Local			$909,750
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$4,548,750**

Milestone Name	Est. Completion Date	Description
Start Date	12/31/2022	
End Date	12/31/2025	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost

RAIL TRANSITWAY LINES (122-00)	12.24.20	REHAB/RENOV MISC RAIL EQUIPMENT	1	$3,639,000.00	$4,548,750.00

Project Title: Cable Car Vehicle Renovation Program

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2022-225-04-00	1697-2022-2-P4	8/2/2022	12/31/2022	12/31/2025

Project Description
SFMTA: Cable car fleet: Overhaul and reconstruct the cable car fleet to maintain system reliability and productivity. Project is phased. Currently each car is unique and parts must be fabricated for each individual car. One goal of the renovation program is to start to standardize major vehicle components. Minor overhauls are scheduled every 15 years, major overhauls at 30-35 years and reconstruction at 60-70 years. At any one time, a total of four cars may be undergoing renovation. Reconstruction takes 18 months, major overhaul takes 9 months, and a minor overhaul takes 6 months. Includes major rehabilitation of 17 Powell Cars and 11 California Cars, and minor rehabilitation of 10 Powell Cars and 2 California
Cars.

Project Benefits
Will enable he SFMTA to rehabilitate the Cable Car Fleet to continue safe and reliable service.

Additional Information
None provided.

Location Description
Project provides service throughout San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 6/8/2022
Description: Cable Car Vehicle Renovation Program

UPWP
Date: N/A

Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$2,293,334
Local			$573,334
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$2,866,668**

Project Budget

Project Number		Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2022-225-04-00	121-00 (121-A6)	RAIL - ROLLING STOCK		$2,293,334.00	$573,334.00	$2,866,668.00	1
CA-2022-225-04-00		12.14.30	REHAB/ REBUILD CABLE CARS	$2,293,334.00	$573,334.00	$2,866,668.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.14.30 - REHAB/REBUILD CABLE CARS

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL - ROLLING STOCK (121-00)	12.14.30	REHAB/REBUILD CABLE CARS	REHAB/REBUILD - RAIL ROLL STOCK	1

Extended Budget Description
SFMTA: Cable car fleet: Overhaul and reconstruct the cable car fleet to maintain system reliability and productivity. Project is phased. Currently each car is unique and parts must be fabricated for each individual car. One goal of the renovation program is to start to standardize major vehicle components.

Minor overhauls are scheduled every 15 years, major overhauls at 30-35 years and reconstruction at 60-70 years. At any one time, a total of four cars may be undergoing renovation. Reconstruction takes 18 months, major overhaul takes 9 months, and a minor overhaul takes 6 months. Includes major rehabilitation of 17 Powell Cars and 11 California Cars, and minor rehabilitation of 10 Powell Cars and 2 California Cars.

Will 3rd Party contractors be used to fulfill this activity line item?
No, 3rd Party Contractors will not be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$2,293,334
Local			$573,334
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$2,866,668**

Milestone Name	Est. Completion Date	Description
Project Start Date	12/31/2022	
Project Completion Date	12/31/2025	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
RAIL - ROLLING STOCK (121-00)	12.14.30	REHAB/REBUILD CABLE CARS	1	$2,293,334.00	$2,866,668.00

Project Title: Overhead Line Rehabilitation

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2022-225-05-00	1697-2022-2-P5	8/2/2022	12/31/2022	12/31/2025

Project Description
Design and construction of Muni Trolley Poles, Overhead Contact System, and Rail Traction Power improvements that provides power to Muni, based on evaluation of the Muni Track and Traction Power Condition Assessment, which serves light rail and trolley coach lines.

Project Benefits
The projects included in this program are designed to reduce operational problems, reduce maintenance and increase system reliability, provide flexibility in addressing acute needs, and address areas of chronic service outages or emergency repairs.

Additional Information
None provided.

Location Description
Project serves people thro.ughout San Francisco

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 6/8/2022
Description: Overhead Line Rehabilitation

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A

Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$2,930,000
Local			$732,500
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$3,662,500**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2022-225-05-00	112-00 (112-A4)	BUS TRANSITWAYS/LINES	$2,930,000.00	$732,500.00	$3,662,500.00	1
CA-2022-225-05-00	11.24.03	REHAB/ RENOVATE - LINE EQUIP/ STRUCTURES	$2,930,000.00	$732,500.00	$3,662,500.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 11.24.03 - REHAB/RENOVATE - LINE EQUIP/STRUCTURES

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
BUS TRANSITWAYS/LINES (112-00)	11.24.03	REHAB/ RENOVATE - LINE EQUIP/ STRUCTURES	REHABILITATION/RENOVATION - BUS TRANSITWAY LINES	1

Extended Budget Description
Design and construction of Muni Trolley Poles, Overhead Contact System, and Rail Traction Power improvements that provides power to Muni, based on evaluation of the Muni Track and Traction Power Condition Assessment, which serves light rail and trolley coach lines. The projects included in this program are designed to reduce operational problems, reduce maintenance and increase system

reliability, provide flexibility in addressing acute needs, and address areas of chronic service outages or emergency repairs.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$2,930,000
Local			$732,500
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$3,662,500**

Milestone Name	Est. Completion Date	Description
Start Date	12/31/2022	
End Date	12/31/2025	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost

BUS TRANSITWAYS/LINES (112-00)	11.24.03	REHAB/ RENOVATE - LINE EQUIP/ STRUCTURES	1	$2,930,000.00	$3,662,500.00

Project Title: Cable Car Infrastructure

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2022-225-06-00	1697-2022-2-P6	8/2/2022	12/31/2022	12/31/2025

Project Description
On the Cable Car system: Includes various guideway and infrastructure repair and improvement projects. Covers all street components of the Cable Car system, such as pulleys, switches and turntables. Replace track curves, frogs, sheaves, Barn 12KV, switchgear, DC Motor, mechanical, HVAC, and infrastructure upgrade for the space to comply with latest codes and ADA compliance. Because this is an ongoing program, projects are in varying stages of conceptual design, design, and construction.

Project Benefits
Improved system of safety and reliability.

Additional Information
None provided.

Location Description
Project serves people throughout San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
12	California
14	California

Program Plan Information

STIP/TIP
Date: 6/8/2022
Description: Cable Car Infrastructure

UPWP
Date: N/A
Description: N/A

Long Range Plan

Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$2,483,000
Local			$620,750
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$3,103,750**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2022-225-06-00	122-00 (122-A5)	RAIL TRANSITWAY LINES	$2,483,000.00	$620,750.00	$3,103,750.00	1
CA-2022-225-06-00	12.24.20	REHAB/ RENOV MISC RAIL EQUIPMENT	$2,483,000.00	$620,750.00	$3,103,750.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.24.20 - REHAB/RENOV MISC RAIL EQUIPMENT

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL TRANSITWAY LINES (122-00)	12.24.20	REHAB/RENOV MISC RAIL EQUIPMENT	REHAB/RENOVATION	1

Extended Budget Description
On the Cable Car system: Includes various guideway and infrastructure repair and improvement projects. Covers all street components of the Cable Car system, such as pulleys, switches and turntables. Replace track curves, frogs, sheaves, Barn 12KV, switchgear, DC Motor, mechanical, HVAC, and infrastructure upgrade for the space to comply with latest codes and ADA compliance. Because this is an ongoing program, projects are in varying stages of conceptual design, design, and construction.

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$2,483,000
Local			$620,750
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$3,103,750**

Milestone Name	Est. Completion Date	Description
Start Date	12/31/2022	
End Date	12/31/2025	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
RAIL TRANSITWAY LINES (122-00)	12.24.20	REHAB/RENOV MISC RAIL EQUIPMENT	1	$2,483,000.00	$3,103,750.00

Part 4: Fleet Details

Fleet Type: Paratransit

Fleet Comments
The paratransit fleet consists of 151 vehicles.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	125
	B. Spares	25
	C. Total (A+B)	150
	D. Spare Ratio (B/A)	20%
II.	**Inactive Fleet**	
	A. Other	1
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	150

Fleet Type: Commuter Rail

Fleet Comments
This report represents the Historic vehicle fleet status.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	23
	B. Spares	18
	C. Total (A+B)	41
	D. Spare Ratio (B/A)	78.26%
II.	**Inactive Fleet**	
	A. Other	7
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	41

Fleet Type: Light Rail

Fleet Comments
SFMTA's current revenue fleet is 217.

		Current Value

I.	**Active Fleet**	
	A. Peak Requirement	173
	B. Spares	44
	C. Total (A+B)	217
	D. Spare Ratio (B/A)	25.43%
II.	**Inactive Fleet**	
	A. Other	0
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	217

Fleet Type: Fixed Route

Fleet Comments
This category reflects our 40' and 60' Trolley coaches.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	197
	B. Spares	81
	C. Total (A+B)	278
	D. Spare Ratio (B/A)	41.12%
II.	**Inactive Fleet**	
	A. Other	0
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	278

Fleet Type: Other

Fleet Comments
This category reflects our Motor coaches.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	483
	B. Spares	142
	C. Total (A+B)	625
	D. Spare Ratio (B/A)	29.4%
II.	**Inactive Fleet**	
	A. Other	0

	B. Pending Disposal	57
	C. Total (A+B)	57
III.	**Total (I.C and II.C)**	682

Part 5: FTA Review Comments

Application Review Comments

Comment By	**Alexander Smith**
Comment Type	Pre-Award Manager Returns Application
Date	8/15/2022
Comment	Need a statement in Executive Summary about consistency with TAM plan as required.

Comment By	**Alexander Smith**
Comment Type	Pre-Award Manager Returns Application
Date	8/23/2022
Comment	Office of Financial Management Indirect Costs Review INCOMPLETE. The Applicant is not approved for indirect costs in FY 2023. The Applicant's PROVISIONAL FY 2022 rates are extensions of the FY 2021 PROVISIONAL rates. The FMOC has recommended a significantly lower rate for Transit Capital Projects and a significantly higher rate for Sustainable Streets Capital Projects in its Draft Report of its review of the SFMTA's FY 2021 indirect cost rate proposal. The recommended rates for FY 2021 may be Predetermined, pending the SFMTA's response to my email on 8/16/2022. Thereafter, the SFMTA will need to re-submit its FY 2022 indirect cost rate proposal and will need to submit a proposal for FY 2023. Finally, the SMFTA will need to perform a reconciliation to determine over- or under-charges to FTA grants to date. To facilitate the award of this grant application, I recommend that the SFMTA remove its request for and all associated information of indirect costs. When FYs 2022 and 2023 rates are approved, the SFMTA may submit an Amendment(s) to request indirect costs

Comment By	**Alexander Smith**
Comment Type	Pre-Award Manager Returns Application
Date	8/24/2022
Comment	1. The project description for Project 2 Light Rail Vehicle Replacement Procurements discusses expansion vehicles and expanding service. Although SGR is generally not available for expansion of capacity or service, FTA does permit expansion of capacity within replacement projects to meet current or projected short-term service needs (e.g., replacing a maintenance facility with a larger facility, or replacing a bus with a larger bus). Circular 5300.1, p. III-3. But for any expansion elements included in a replacement project, such as this, the grantee needs to address how the project meets current or short term service levels if the vehicles will expand capacity or service. Circular 5300.1, p. III-3 to III-4. FTA must reviews the reasonableness of such expansion elements when

reviewing the grant.
2. Project 2 also discussed replaces light rail vehicles, but I dont see any identification of the vehicles that are being replaced. Please confirm this information is available (either in grant or attachment), and if replaced vehicles still have federal interest that needs to be accounted for, the supporting documents should be in grant application.

Comment By	Alexander Smith
Comment Type	Pre-Award Manager Returns Application
Date	8/31/2022
Comment	Grantee to improve response to last comments.

Application Review Comments

Comment By	Mark Lui
Comment Type	Application Details
Date	8/24/2022
Comment	Removed Indirect Costs and will amend grant to add these costs back in when Indirect Cost Rates are approved by the FTA.

Comment By	Mark Lui
Comment Type	Application Details
Date	8/26/2022
Comment	Added LRV Breda Retirement Summary Chart to the Project Documents.

Comment By	Mark Lui
Comment Type	Application Details
Date	8/31/2022
Comment	The following text was added to the Executive Summary and the Project Description. Please note that the LRV Replacement Project is ONLY for replacing existing LRV fleet vehicles with planned retirements. The funds will NOT be used to expand the LRV Fleet and the schedule of planned LRV retirements and related book values is attached to the project documents in this grant application.

Part 6: Agreement

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION

FEDERAL TRANSIT ADMINISTRATION

GRANT AGREEMENT
(FTA G-29, October 1, 2021)

On the date the authorized U.S. Department of Transportation, Federal Transit Administration (FTA) official signs this Grant Agreement, FTA has obligated and awarded federal assistance as provided below. Upon execution of this Grant Agreement by the Recipient named below, the Recipient affirms this FTA Award, enters into this Grant Agreement with FTA, and binds its compliance with the terms of this Grant Agreement.

The following documents are incorporated by reference and made part of this Grant Agreement:
(1) "Federal Transit Administration Master Agreement," FTA MA(29), http://www.transit.dot.gov,
(2) The Certifications and Assurances applicable to the FTA Award that the Recipient has selected and provided to FTA, and
(3) Any Award notification containing special conditions or requirements, if issued.

WHEN THE TERM "FTA AWARD" OR "AWARD" IS USED, EITHER IN THIS GRANT AGREEMENT OR THE APPLICABLE MASTER AGREEMENT, "AWARD" ALSO INCLUDES ALL TERMS AND CONDITIONS SET FORTH IN THIS GRANT AGREEMENT.

FTA OR THE FEDERAL GOVERNMENT MAY WITHDRAW ITS OBLIGATION TO PROVIDE FEDERAL ASSISTANCE IF THE RECIPIENT DOES NOT EXECUTE THIS GRANT AGREEMENT WITHIN 90 DAYS FOLLOWING FTA's AWARD DATE SET FORTH HEREIN.

FTA AWARD

Federal Transit Administration (FTA) hereby awards a Federal Grant as follows:

Recipient Information

Recipient Name: SAN FRANCISCO, CITY & COUNTY OF

Recipient ID: 1697

UEI: GSL6KW4Z5UE1

DUNS: 956617435

Award Information

Federal Award Identification Number: CA-2022-225-00

Award Name: FY2022 5337 State of Good Repair

Award Start Date: 9/21/2022

Original Award End Date: 12/31/2026

Current Award End Date: 12/31/2026

Award Executive Summary: The SFMTA will use a total of $144,252,435 in FY 2022 5337 State of Good Repair funds for Wayside/Central Train Control & Trolley Signal Systems, Light Rail Vehicle Replacement Procurements, Cable Car Restorations, Muni Rail Replacement, Overhead Line Rehabilitation, and Cable Car Infrastructure. The required Local Share of $36,063,109 will be funded with Local Sales Taxes, Developer Fees, and Fare Revenues.

Please note that the LRV Replacement Project is ONLY for replacing existing LRV fleet vehicles with planned retirements. The funds will NOT be used to expand the LRV Fleet and the schedule of planned LRV retirements and related book values is attached to the project documents in this grant application.

Purpose:
This grant will allow SFMTA to Improve Safety/Rail Service Efficiency, LRV/Cable Car Reliability, Rail Track Safety, Overhead Line Reliability, and Cable Car System Reliability.

Activities to be Performed:
Procure Train Control/Trolley Signal System Services, LRVs, Cable Car Restoration Services, Rail Replacement Services, Overhead Line Rehab Services, and Cable Car Infrastructure Services.

Expected Outcomes:
Transit infrastructure and operating systems will maintain and improve safety, reliability, and efficiency of San Francisco's critical transit service system.

Intended Beneficiaries
The residents of San Francisco as well as the community of the greater Bay Area rely on affordable, accessible, and dependable transit service. Without this service, many people would not be able to travel to work, shop for food, or obtain needed medical care.

Subrecipient Activities:
There will be no subrecipients for this project.

Allowable capital project costs under this grant follow the guidelines and principles contained in OMB's Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal awards circular (Super Circular). Eligible costs are those associated with the acquisition, construction, improvement and maintenance of facilities and equipment for use in transit, and include capital procurements, rolling stock purchases, design and construction costs and the force account (personnel) expenditures required to support these capital project activities.

The funds are allocated to the SFO UZA and are approved by the MTC in the following TIP numbers: SF050024 $24,272,000, SF090012 $108,635,101, SF970073 $2,293,334, SF95037B $3,639,000, SF970170 $2,930,000, and SF99T002 $2,483,000.

The 5337 funds in this application are included in the Investment Prioritization Section of SFMTA's TAM Plan.

Research and Development: This award does not include research and development activities.

Indirect Costs: This award does not include an indirect cost rate.

Suballocation Funds: Recipient organization is suballocated these apportioned funds and can apply for and receive these funds directly.

Pre-Award Authority: This award is using Pre-Award Authority.

Award Budget

Total Award Budget: $180,315,544.00

Amount of Federal Assistance Obligated for This FTA Action (in U.S. Dollars): $144,252,435.00

Amount of Non-Federal Funds Committed to This FTA Action (in U.S. Dollars): $36,063,109.00

Total FTA Amount Awarded and Obligated (in U.S. Dollars): $144,252,435.00

Total Non-Federal Funds Committed to the Overall Award (in U.S. Dollars): $36,063,109.00

Award Budget Control Totals

(The Budget includes the individual Project Budgets (Scopes and Activity Line Items) or as attached)

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$144,252,435
Local			$36,063,109
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$180,315,544**

(The Transportation Development Credits are not added to the amount of the Total Award Budget.)

U.S. Department of Labor Certification of Public Transportation Employee Protective Arrangements:

DOL Decision: DOL Concurs - Certified
DOL Review Date: 9/20/2022
DOL Certification Date: 9/20/2022

Special Conditions

There are no special conditions.

FINDINGS AND DETERMINATIONS

By signing this Award on behalf of FTA, I am making all the determinations and findings required by federal law and regulations before this Award may be made.

FTA AWARD OF THE GRANT AGREEMENT

Awarded By:
Ray Tellis

Regional Administrator
FEDERAL TRANSIT ADMINISTRATION
U.S. DEPARTMENT OF TRANSPORTATION
Contact Info: ray.tellis@dot.gov
Award Date: 9/21/2022

EXECUTION OF THE GRANT AGREEMENT

Upon full execution of this Grant Agreement by the Recipient, the Effective Date will be the date FTA or the Federal Government awarded Federal assistance for this Grant Agreement.

By executing this Grant Agreement, the Recipient intends to enter into a legally binding agreement in which the Recipient:
(1) Affirms this FTA Award,
(2) Adopts and ratifies all of the following information it has submitted to FTA:
    (a) Statements,
    (b) Representations,
    (c) Warranties,
    (d) Covenants, and
    (e) Materials,
(3) Consents to comply with the requirements of this FTA Award, and
(4) Agrees to all terms and conditions set forth in this Grant Agreement.

Executed By:
Mark Lui
Pr Administrative Analyst
SAN FRANCISCO, CITY & COUNTY OF
9/21/2022

DOT FTA

U.S. Department of Transportation **Federal Transit Administration**

Award

Federal Award Identification Number (FAIN)	CA-2024-074-00
Temporary Application Number	1697-2023-3
Award Name	FY2023 5337 Cable Car Infrastructure, Muni Rail Replacement Program, Wayside/Central Train Control & Trolley Signal Systems, Overhead Line Rehabilitation, and Historic Streetcar & Cable Car Restorations
Award Status	Active (Executed)
Award Budget Number	0

Period of Performance Start Date	7/1/2024		
Original Period of Performance End Date	12/31/2028		
Current Period of Performance End Date	12/31/2028	Revision #: 0	Approved?: Yes

Budget Period Start Date	7/1/2024
Budget Period End Date	12/31/2028

Part 1: Recipient Information

Name: CITY & COUNTY OF SAN FRANCISCO

Recipient ID	Recipient OST Type	Recipient Alias	UEI	DUNS
1697	City	San Francisco Municipal Transportation Agency	GSL6KW4Z5UE1	956617435

Location Type	Address	City	State	Zip
Mailing Address	1 SOUTH VAN NESS AVE 7TH FLOOR	SAN FRANCISCO	CA	94103
Physical Address	1 S VAN NESS AVE	SAN FRANCISCO	CA	94103

Union Information

Union Name	BROTHERHOOD OF LOCOMOTIVE ENGINEERS
Address 1	1370 Ontario Street
Address 2	
City	Cleveland
State	Ohio
Zipcode	44113
Contact Name	D.M. Hahs
Telephone	2162412630
Fax	2162416516
E-mail	hahs@ble-t.org
Website	

Union Name	INT ASSO OF MACHINISTS & AEROSPACE WORKERS
Address 1	9000 Machinists Place
Address 2	
City	Upper Marlboro
State	Maryland
Zipcode	20772
Contact Name	Robert Roach Jr
Telephone	3019674500
Fax	3019674545
E-mail	rroach@IAMAW.org
Website	

Union Name	INT BROTHERHOOD OF ELECTRICAL WORKERS
Address 1	900 Seventh Street
Address 2	
City	Washington
State	DC
Zipcode	20001
Contact Name	Al Russo
Telephone	(202) 728-6018
Fax	
E-mail	railroad_dept@ibew.org
Website	

Union Name	INT FEDERATION OF PROFESSIONAL & TECHNICAL ENGINEERS
Address 1	8630 Fenton Street, Suite 400
Address 2	
City	Silver Spring

State	Maryland
Zipcode	20910
Contact Name	Gregory Junemann
Telephone	3015659016
Fax	3015650018
E-mail	gjunemann@ifpte.org
Website	

Union Name	**O`DONNELL, SCHWARTS & ANDERSON**
Address 1	1900 L Street, NW, Suite 707
Address 2	
City	Washington
State	District of Columbia
Zipcode	20036
Contact Name	Richard Edelman
Telephone	2028981824
Fax	2024298928
E-mail	redelman@odsalaw.com
Website	

Union Name	**SERVICE EMPLOYEES` INTERNATIONAL UNION**
Address 1	1313 L Street, NW
Address 2	
City	Washington
State	District of Columbia
Zipcode	20005
Contact Name	Andrew Stern
Telephone	2028983300
Fax	2028983402
E-mail	stern@seiu.org
Website	

Union Name	**TRANSPORT WORKERS UNION**
Address 1	1700 Broadway, 2nd Floor
Address 2	
City	New York
State	New York
Zipcode	10019
Contact Name	Michael O`Brian
Telephone	2122594900
Fax	2122654537
E-mail	m_o`brien@twu.org

Website	

Union Name	TRANSPORTATION-COMMUNICATIONS INTERNATIONAL UNION
Address 1	3 Research Place
Address 2	
City	Rockville
State	Maryland
Zipcode	20850
Contact Name	Robert Scardelletti
Telephone	3019484911
Fax	3019481369
E-mail	
Website	

Union Name	Smart Tramsportation Division
Address 1	24950 Country Club Blvd.
Address 2	Ste. 340
City	North Olmsted
State	OH
Zipcode	44070
Contact Name	Jeremy Ferguson
Telephone	(216) 228-9400
Fax	
E-mail	president_td@smart-union.org
Website	

Part 2: Award Information

Title: FY2023 5337 Cable Car Infrastructure, Muni Rail Replacement Program, Wayside/Central Train Control & Trolley Signal Systems, Overhead Line Rehabilitation, and Historic Streetcar & Cable Car Restorations

FAIN	Award Status	Award Type	Application Cost Center	Date Created	Last Updated Date	From TEAM?
CA-2024-074-00	Active (Executed)	Grant	Region 9	4/27/2023	4/27/2023	No

Award Executive Summary
The SFMTA will use a total of $51,322,226 in FY 2023 5337 State of Good Repair funds for Cable Car Infrastructure, Muni Rail Replacement, Wayside/Central Train Control & Trolley Signal Systems, Overhead Line Rehabilitation, and Historic Streetcar & Cable Car Restorations.

Allowable capital project costs under this grant follow the guidelines and principles contained in OMB's Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal awards circular (Super Circular). Eligible costs are those associated with the acquisition, construction, improvement and maintenance of facilities and equipment for use in transit, and include capital procurements, rolling stock purchases, design and construction costs and the force account (personnel) expenditures required to support these capital project activities.

The funds are allocated to the SFO UZA and are approved by the MTC in the following TIP numbers: SF99T002, SF95037B, SF050024, SF970170, and SF170021.

The 5337 funds in this application are included in the Investment Prioritization Section of SFMTA's TAM Plan.

In addition to FTAs Buy America Act, which requires that the steel, iron, and manufactured goods used in an FTA-funded project are produced in the United States (49 U.S.C. 5323(j)(1)),the Build America, Buy America Act (BABA) (Public Law 117-58, div. G 70914(a)) now requires that construction materials used in infrastructure projects are also produced in the United States. Refer to terms and conditions in FTAs Master Agreement Section 15. The BABA requirement applies to this grant, in addition to the Buy America requirements, except to the extent a waiver of either requirements may apply.

Frequency of Milestone Progress Reports (MPR)
Quarterly

Frequency of Federal Financial Reports (FFR)
Quarterly

Does this application include funds for research and/or development activities?
This award does not include research and development activities.

Pre-Award Authority
This award is using Pre-Award Authority.

Does this application include suballocation funds?
Recipient organization is suballocated these apportioned funds and can apply for and receive these funds directly.

Will this Grant be using Lapsing Funds?
No, this Grant does not use Lapsing Funds.

Will indirect costs be applied to this application?
This award is applying an approved Indirect cost rate(s).

Indirect Rate Details: FTA approved the SFMTA’s Provisional Indirect Cost Rates for FY2024 and a copy of the SFMTA’s approved rates is attached to the SFMTA’s Organization Documents. The approved rates of 126.0% for Transit Capital Projects and 79.9% for Sustainable Streets Capital Projects will be applied to the applicable activity line descriptions. Indirect Costs will apply to one or more activities contained within the scope of work.

Requires E.O. 12372 Review
No, this application does not require E.O. 12372 Review.

Delinquent Federal Debt
No, my organization does not have delinquent federal debt.

Award Description

Purpose
The SFMTA will use a total of $51,322,226 in FY 2023 5337 State of Good Repair funds for Cable Car Infrastructure, Muni Rail Replacement, Wayside/Central Train Control & Trolley Signal Systems, Overhead Line Rehabilitation, and Historic Streetcar & Cable Car Restorations.

Activities to be performed:
Rehabilitate Overhead Lines, Replace Muni Rails, Rehabilitate Cable Car Infrastructure, and Procure LRVs.

Expected outcomes:
Overall transit system will maintain and/or improve reliability and safety.

Intended beneficiaries:
The residents of San Francisco as well as the community of the greater Bay Area rely on affordable, accessible, and dependable transit service. Without this service, many people would not be able to travel to work, shop for food, or obtain needed medical care.

Subrecipient Activities:
There will be no subrecipients for this project.

Award Point of Contact Information

First Name	Last Name	Title	E-mail Address	Phone
	catherine.luu@dot.gov	General Engineer		
	alexander.smith@dot.gov	Transportation Planner		
Mark	Lui	Pr Administrative Analyst	mark.lui@sfmta.com	(415) 646-2516

Award Budget Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$51,322,226
Local			$12,839,057
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$64,161,283**

Award Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2024-074-01-00	122-00 (122-A1)	RAIL TRANSITWAY LINES	$3,247,000.00	$812,000.00	$4,059,000.00	1
CA-2024-074-01-00	12.24.20	REHAB/RENOV MISC RAIL EQUIPMENT	$3,247,000.00	$812,000.00	$4,059,000.00	1
CA-2024-074-02-00	122-00 (122-A2)	RAIL TRANSITWAY LINES	$3,837,000.00	$960,000.00	$4,797,000.00	1
CA-2024-074-02-00	12.24.20	REHAB/RENOV MISC RAIL EQUIPMENT	$3,837,000.00	$960,000.00	$4,797,000.00	1
CA-2024-074-03-00	126-00 (126-A3)	SIGNAL/COMMUNICATION (RAIL)	$30,071,560.00	$7,517,890.00	$37,589,450.00	1
CA-2024-074-03-00	12.63.01	CONSTRUCT TRAIN CONTROL-SIGNAL SYS	$30,071,560.00	$7,517,890.00	$37,589,450.00	1
CA-2024-074-04-00	112-00 (112-A4)	BUS TRANSITWAYS/LINES	$2,500,000.00	$625,000.00	$3,125,000.00	1
CA-2024-074-04-00	11.24.03	REHAB/ RENOVATE - LINE EQUIP/ STRUCTURES	$2,500,000.00	$625,000.00	$3,125,000.00	1
CA-2024-074-05-00	121-00 (121-A5)	RAIL - ROLLING STOCK	$5,666,666.00	$1,424,167.00	$7,090,833.00	6
CA-2024-074-05-00	12.14.26	COMMUTER RAIL CARS USED	$5,666,666.00	$1,424,167.00	$7,090,833.00	6
CA-2024-074-05-00	127-00 (127-A6)	OTHER CAPITAL ITEMS (RAIL)	$6,000,000.00	$1,500,000.00	$7,500,000.00	6
CA-2024-	12.72.08	FORCE ACCT CONSTRUCTION	$6,000,000.00	$1,500,000.00	$7,500,000.00	6

074-05- 00

Discretionary Allocations

This application does not contain discretionary allocations.

Sources of Federal Financial Assistance

PO Number	Project Number	Scope Name	Scope Number	Scope Suffix	UZA Code	Area Name	Account Class Code	FPC	Description	Amendment Amount	Cumulative Amount
CA-54-0155	CA-2024-074-01-00	RAIL TRANSITWAY LINES	122-00 (122)	A1	060060	San Francisco-Oakland, CA	2023.2J.54.38.2	00	SGR - Fixed Guideway	$3,247,000	$3,247,000
CA-54-0155	CA-2024-074-02-00	RAIL TRANSITWAY LINES	122-00 (122)	A2	060060	San Francisco-Oakland, CA	2023.2J.54.38.2	00	SGR - Fixed Guideway	$3,837,000	$3,837,000
CA-54-0155	CA-2024-074-03-00	SIGNAL/COMMUNICATION (RAIL)	126-00 (126)	A3	060060	San Francisco-Oakland, CA	2023.2J.54.38.2	00	SGR - Fixed Guideway	$30,071,560	$30,071,560
CA-54-0155	CA-2024-074-04-00	BUS TRANSITWAYS/LINES	112-00 (112)	A4	060060	San Francisco-Oakland, CA	2023.2J.54.38.2	00	SGR - Fixed Guideway	$2,500,000	$2,500,000
CA-54-0155	CA-2024-074-05-00	OTHER CAPITAL ITEMS (RAIL)	127-00 (127)	A6	060060	San Francisco-Oakland, CA	2023.2J.54.38.2	00	SGR - Fixed Guideway	$6,000,000	$6,000,000
CA-54-0155	CA-2024-074-05-00	RAIL - ROLLING STOCK	121-00 (121)	A5	060060	San Francisco-Oakland, CA	2023.2J.54.38.2	00	SGR - Fixed Guideway	$5,666,666	$5,666,666

Part 3: Project Information

Project Title: Cable Car Infrastructure

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2024-074-01-00	1697-2023-3-P2	6/28/2023	12/31/2024	6/30/2028

Project Description
On the Cable Car system: Includes various guideway and infrastructure repair and improvement projects. Covers all street components of the Cable Car system, such as pulleys, switches and turntables. Replace track curves, frogs, sheaves, Barn 12KV, switchgear, DC Motor, mechanical, HVAC, and infrastructure upgrade for the space to comply with latest codes and ADA compliance. Because this is an ongoing program, projects are in varying stages of conceptual design, design, and construction.

Project Benefits
Improved system of safety and reliability.

Additional Information
None provided.

Location Description
Project serves people throughout San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060000	California
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
11	California
15	California

Program Plan Information

STIP/TIP
Date: 6/8/2023
Description: SFMTA Cable Car Power & Guideway 5337 TIP

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$3,247,000
Local			$812,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$4,059,000**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2024-074-01-00	122-00 (122-A1)	RAIL TRANSITWAY LINES	$3,247,000.00	$812,000.00	$4,059,000.00	1
CA-2024-074-01-00	12.24.20	REHAB/ RENOV MISC RAIL EQUIPMENT	$3,247,000.00	$812,000.00	$4,059,000.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.24.20 - REHAB/RENOV MISC RAIL EQUIPMENT

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL TRANSITWAY LINES (122-00)	12.24.20	REHAB/RENOV MISC RAIL EQUIPMENT	REHAB/RENOVATION	1

Extended Budget Description
On the Cable Car system: Includes various guideway and infrastructure repair and improvement projects. Covers all street components of the Cable Car system, such as pulleys, switches and turntables. Replace track curves, frogs, sheaves, Barn 12KV, switchgear, DC Motor, mechanical, HVAC, and infrastructure upgrade for the space to comply with latest codes and ADA compliance. Because this is an ongoing program, projects are in varying stages of conceptual design, design, and construction.

This project will use a total of $3,247,000 in FY2023 5337 State of Good Repair Funds for Cable Car Infrastructure. The required minimum 20% match of $812,000 will be provided with sales tax revenues.

SUMMARY
Amount: $3,247,000
Year: 2023
Program: 5337 State of Good Repair
Activity: Cable Car Infrastructure
Match: 20%
Match Source: Sales Tax

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$3,247,000
Local			$812,000
Local/In-Kind			$0
State			$0

State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$4,059,000**

Milestone Name	Est. Completion Date	Description
RFP Issue Date	12/31/2024	
Contract Award Date	6/30/2025	
Initial Delivery Date	12/31/2026	
Final Delivery Date	6/30/2027	
Select row 6 Contract Completion Date	6/30/2028	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
RAIL TRANSITWAY LINES (122-00)	12.24.20	REHAB/RENOV MISC RAIL EQUIPMENT	1	$3,247,000.00	$4,059,000.00

Project Title: Muni Rail Replacement Program

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2024-074-02-00	1697-2023-3-P3	6/28/2023	10/1/2023	4/30/2028

Project Description
Design and replacement of trackway and related systems serving the light rail and cable car lines as part of a regular replacement program and to mitigate excessive noise and vibration. The program seeks to rehabilitate and repair existing track work, including replacement and tamping of ties and ballast and installation of guardrail, enhance system safety and reliability, while reducing the need for excessive maintenance. This program is divided into 10 year segments, and work is ongoing on various phases of the program.

Project Benefits
Design and replacement of trackway and related systems serving the light rail and cable car lines as part of a regular replacement program and to mitigate excessive noise and vibration. The program seeks to rehabilitate and repair existing track work, including replacement and tamping of ties and ballast and installation of guardrail, enhance system safety and reliability, while reducing the need for excessive maintenance. This program is divided into 10 year segments, and work is ongoing on various phases of the program.

Additional Information
None provided.

Location Description
Project is located throughout San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060000	California
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
11	California
15	California

Program Plan Information

STIP/TIP
Date: 6/8/2023
Description: SFMTA Rail Replacement 5337 TIP

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$3,837,000
Local			$960,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$4,797,000**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2024-074-02-00	122-00 (122-A2)	RAIL TRANSITWAY LINES	$3,837,000.00	$960,000.00	$4,797,000.00	1
CA-2024-074-02-00	12.24.20	REHAB/ RENOV MISC RAIL EQUIPMENT	$3,837,000.00	$960,000.00	$4,797,000.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.24.20 - REHAB/RENOV MISC RAIL EQUIPMENT

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL TRANSITWAY LINES (122-00)	12.24.20	REHAB/RENOV MISC RAIL EQUIPMENT	REHAB/RENOVATION	1

Extended Budget Description

Design and replacement of trackway and related systems serving the light rail and cable car lines as part of a regular replacement program and to mitigate excessive noise and vibration. The program seeks to rehabilitate and repair existing track work, including replacement and tamping of ties and ballast and installation of guardrail, enhance system safety and reliability, while reducing the need for excessive maintenance. This program is divided into 10 year segments, and work is ongoing on various phases of the program.

This project will use a total of $3,837,000 in FY2023 5337 State of Good Repair Funds for Muni Rail Replacement. The required minimum 20% match of $960,000 will be provided with sales tax revenues.

SUMMARY
Amount: $3,837,000
Year: 2023
Program: 5337 State of Good Repair
Activity: Muni Rail Replacement
Match: 20%
Match Source: Sales Tax

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$3,837,000
Local			$960,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$4,797,000**

Milestone Name	Est. Completion Date	Description
RFP Issue Date	10/1/2023	
Contract Award Date	4/30/2024	
Initial Delivery Date	10/31/2024	
Final Delivery Date	10/31/2027	
Contract Completion Date	4/30/2028	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers

that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
RAIL TRANSITWAY LINES (122-00)	12.24.20	REHAB/RENOV MISC RAIL EQUIPMENT	1	$3,837,000.00	$4,797,000.00

Project Title: Wayside/Central Train Control & Trolley Signal Systems

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2024-074-03-00	1697-2023-3-P4	6/28/2023	10/1/2023	4/30/2028

Project Description
SFMTA: Systemwide: ATCS Wayside/Central Train Control & Rail/Bus Signal Systems Rehab/Replace Program includes but is not limited to (1) Final cutover of the new Advanced Train Control System (ATCS), remove the old signal system, and replace critical wayside equipment including station controllers, axle counters, and loop cables (2) Replace the UPS that provides power to the Central Control portion of the ATCS (3) Replace subway motor generators at Van Ness Station, which includes an Uninterruptible Power Supply (UPS) as backup for the wayside ATCS. (4) The Data Transmission System (DTS) provides remote control from Central Control of subway emergency ventilation fans, and monitors status of subway track switches, signal aspects, train traffic direction, and alarms, including fire and intrusion. The project replaces the deteriorated and obsolete system with a SCADA system and integrates it with other rail SCADA systems operated from Central Control. (5) Purchase a backup system for the Yard Departure Test Device (YDTD) at Muni's Metro Yard to minimize impacts on vehicle availability. (6) Signalize and electrify most switches in the Green Yard to enable control by LRV operators instead of current manual operations for more efficient operations. (7) Replace existing train control and signal system at various locations to increase protection for transit vehicles from auto traffic, reduce derailments and travel time, and improve safety, reliability, and maintainability of the system. (8) Rehab/replace miscellaneous trolley coach signalization systems. Funds in the 2020s will be invested in the ultimate change out of the ATCS with a new Communications-Based Train Control program.

Project Benefits
This project will improve the safety and reliability of the rail system.

Additional Information
None provided.

Location Description
This project is located throughout San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name

060000	California
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
11	California
15	California

Program Plan Information

STIP/TIP
Date: 1/5/2024
Description: Not Provided

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$30,071,560
Local			$7,517,890
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$37,589,450**

Project Budget

Project Number		Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2024-	126-00	SIGNAL/COMMUNICATION (RAIL)	$30,071,560.00	$7,517,890.00	$37,589,450.00	1

074-03-00	(126-A3)						
CA-2024-074-03-00		12.63.01	CONSTRUCT TRAIN CONTROL-SIGNAL SYS	$30,071,560.00	$7,517,890.00	$37,589,450.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 12.63.01 - CONSTRUCT TRAIN CONTROL-SIGNAL SYS

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
SIGNAL/COMMUNICATION (RAIL) (126-00)	12.63.01	CONSTRUCT TRAIN CONTROL-SIGNAL SYS	CONSTRUCTION	1

Extended Budget Description
SFMTA: Systemwide: ATCS Wayside/Central Train Control & Rail/Bus Signal Systems Rehab/Replace Program includes but is not limited to (1) Final cutover of the new Advanced Train Control System (ATCS), remove the old signal system, and replace critical wayside equipment including station controllers, axle counters, and loop cables (2) Replace the UPS that provides power to the Central Control portion of the ATCS (3) Replace subway motor generators at Van Ness Station, which includes an Uninterruptible Power Supply (UPS) as backup for the wayside ATCS. (4) The Data Transmission System (DTS) provides remote control from Central Control of subway emergency ventilation fans, and monitors status of subway track switches, signal aspects, train traffic direction, and alarms, including fire and intrusion. The project replaces the deteriorated and obsolete system with a SCADA system and integrates it with other rail SCADA systems operated from Central Control. (5) Purchase a backup system for the Yard Departure Test Device (YDTD) at Muni's Metro Yard to minimize impacts on vehicle availability. (6) Signalize and electrify most switches in the Green Yard to enable control by LRV operators instead of current manual operations for more efficient operations. (7) Replace existing train control and signal system at various locations to increase protection for transit vehicles from auto traffic, reduce derailments and travel time, and improve safety, reliability, and maintainability of the system. (8) Rehab/replace miscellaneous trolley coach signalization systems. Funds in the 2020s will be invested in the ultimate change out of the ATCS with a new Communications-Based Train Control program.

This project will use a total of $30,071,560 in FY2023 5337 State of Good Repair Funds for Wayside/ Central Train Control & Rail/Bus Signal Systems. The required minimum 20% match of $7,517,890 will be provided with sales tax revenues.

SUMMARY
Amount: $30,071,560
Year: 2023
Program: 5337 State of Good Repair
Activity: Wayside/Central Train Control & Rail/Bus Signal Systems
Match: 20%
Match Source: Sales Tax

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount

5337 - State of Good Repair Grants	5337	20525	$30,071,560
Local			$7,517,890
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$37,589,450**

Milestone Name	Est. Completion Date	Description
RFP Issue Date	10/1/2023	
Contract Award Date	4/30/2024	
Initial Delivery Date	10/31/2024	
Final Delivery Date	10/31/2027	
Contract Completion Date	4/30/2028	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description

Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost

SIGNAL/COMMUNICATION (RAIL) (126-00)	12.63.01	CONSTRUCT TRAIN CONTROL-SIGNAL SYS	1	$30,071,560.00	$37,589,450.00

Project Title: Overhead Line Rehabilitation

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2024-074-04-00	1697-2023-3-P5	6/28/2023	10/1/2023	4/30/2028

Project Description
Design and construction of Muni Trolley Poles, Overhead Contact System, and Rail Traction Power improvements that provides power to Muni, based on evaluation of the Muni Track and Traction Power Condition Assessment, which serves light rail and trolley coach lines.

Project Benefits
The projects included in this program are designed to reduce operational problems, reduce maintenance and increase system reliability, provide flexibility in addressing acute needs, and address areas of chronic service outages or emergency repairs.

Additional Information
None provided.

Location Description
Project serves people throughout San Francisco

Project Location (Urbanized Areas)

UZA Code	Area Name
060000	California
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
11	California
15	California

Program Plan Information

STIP/TIP
Date: 6/8/2023
Description: SFMTA Overhead Line 5337 TIP

UPWP
Date: N/A
Description: N/A

Long Range Plan

Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$2,500,000
Local			$625,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$3,125,000**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2024-074-04-00	112-00 (112-A4)	BUS TRANSITWAYS/LINES	$2,500,000.00	$625,000.00	$3,125,000.00	1
CA-2024-074-04-00	11.24.03	REHAB/ RENOVATE - LINE EQUIP/ STRUCTURES	$2,500,000.00	$625,000.00	$3,125,000.00	1

Project Budget Activity Line Items

Budget Activity Line Item: 11.24.03 - REHAB/RENOVATE - LINE EQUIP/STRUCTURES

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
BUS TRANSITWAYS/LINES (112-00)	11.24.03	REHAB/ RENOVATE - LINE EQUIP/ STRUCTURES	REHABILITATION/RENOVATION - BUS TRANSITWAY LINES	1

Extended Budget Description
Design and construction of Muni Trolley Poles, Overhead Contact System, and Rail Traction Power improvements that provides power to Muni, based on evaluation of the Muni Track and Traction Power Condition Assessment, which serves light rail and trolley coach lines. The projects included in this program are designed to reduce operational problems, reduce maintenance and increase system

reliability, provide flexibility in addressing acute needs, and address areas of chronic service outages or emergency repairs.

This project will use a total of $2,500,000 in FY2023 5337 State of Good Repair Funds for Overhead Line Restoration. The required minimum 20% match of $625,000 will be provided with sales tax revenues.

SUMMARY
Amount: $2,500,000
Year: 2023
Program: 5337 State of Good Repair
Activity: Overhead Line Restoration
Match: 20%
Match Source: Sales Tax

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$2,500,000
Local			$625,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$3,125,000**

Milestone Name	Est. Completion Date	Description
RFP/IFB Issue Date	10/1/2023	
Contract Award Date	4/30/2024	
Initial Delivery Date	10/31/2024	
Final Delivery Date	10/31/2027	
Contract Completion Date	4/30/2028	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
BUS TRANSITWAYS/LINES (112-00)	11.24.03	REHAB/ RENOVATE - LINE EQUIP/ STRUCTURES	1	$2,500,000.00	$3,125,000.00

Project Title: Historic Streetcar & Cable Car Restorations

Project Number	Temporary Project Number	Date Created	Start Date	End Date
CA-2024-074-05-00	1697-2023-3-P6	6/28/2023	10/1/2023	3/31/2028

Project Description
Fleet of historic streetcars: Rehabilitate vehicles. SFMTA operates a fleet of Presidents' Conference Committee streetcars (PCC) and other vintage streetcars 21 hours per day, 365 days a year. The PCCs carries approximately 20,000 people per day from Castro and Market Street along the Embarcadero to Fisherman's wharf. For the current F-Line service and envisioned E-Line service to Mission Bay and Fort Mason, the SFMTA needs to rehabilitate many of its historic streetcars to provide safe and reliable service.

Project Benefits
Improve safe and reliable services, and extend the lifespan of historic streetcars.

Additional Information
None provided.

Location Description
This project will be implemented throughout the City and County of San Francisco.

Project Location (Urbanized Areas)

UZA Code	Area Name
060000	California
060060	San Francisco-Oakland, CA

Congressional District Information

District	State
11	California
15	California

Program Plan Information

STIP/TIP
Date: 8/20/2023
Description: Not Provided

UPWP
Date: N/A
Description: N/A

Long Range Plan
Date: N/A
Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$11,666,666
Local			$2,924,167
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$14,590,833**

Project Budget

Project Number	Budget Item		FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
CA-2024-074-05-00	121-00 (121-A5)	RAIL - ROLLING STOCK	$5,666,666.00	$1,424,167.00	$7,090,833.00	6
CA-2024-074-05-00	12.14.26	COMMUTER RAIL CARS USED	$5,666,666.00	$1,424,167.00	$7,090,833.00	6

CA-2024-074-05-00	127-00 (127-A6)	OTHER CAPITAL ITEMS (RAIL)		$6,000,000.00	$1,500,000.00	$7,500,000.00	6
CA-2024-074-05-00		12.72.08	FORCE ACCT CONSTRUCTION	$6,000,000.00	$1,500,000.00	$7,500,000.00	6

Project Budget Activity Line Items

Budget Activity Line Item: 12.72.08 - FORCE ACCT CONSTRUCTION

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
OTHER CAPITAL ITEMS (RAIL) (127-00)	12.72.08	FORCE ACCT CONSTRUCTION	FORCE ACCOUNT	6

Extended Budget Description
Fleet of Cable Cars: Rehabilitate vehicles. SFMTA operates a fleet of Cable Cars for regular service along several routes. SFMTA needs to regularly rehabilitate many of its Cable Cars to continue providing safe and reliable service.

This project will use a total of $6,000,000 in FY2023 5337 State of Good Repair Funds for restoration of Cable Cars. The required minimum 20% match of $1,500,000 will be provided with sales tax revenues.

SUMMARY
Amount: $6,000,000
Year: 2023
Program: 5337 State of Good Repair
Activity: Cable Car Restorations
Match: 20%
Match Source: Sales Tax

Will 3rd Party contractors be used to fulfill this activity line item?
No, 3rd Party Contractors will not be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$6,000,000
Local			$1,500,000
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$7,500,000**

Milestone Name	Est. Completion Date	Description
Start Date	10/1/2023	
End Date	3/31/2028	

Budget Activity Line Item: 12.14.26 - COMMUTER RAIL CARS USED

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
RAIL - ROLLING STOCK (121-00)	12.14.26	COMMUTER RAIL CARS USED	REHAB/REBUILD - RAIL ROLL STOCK	6

Extended Budget Description
Fleet of historic streetcars: Rehabilitate vehicles. SFMTA operates a fleet of Presidents' Conference Committee streetcars (PCC) and other vintage streetcars 21 hours per day, 365 days a year. The PCCs carries approximately 20,000 people per day from Castro and Market Street along the Embarcadero to Fisherman's wharf. For the current F-Line service and envisioned E-Line service to Mission Bay and Fort Mason, the SFMTA needs to rehabilitate many of its historic streetcars to provide safe and reliable service.

This project will use a total of $5,666,666 in FY2023 5337 State of Good Repair Funds for restoration of historic streetcars. The required minimum 20% match of $1,424,167 will be provided with sales tax revenues.

SUMMARY
Amount: $10,542,385
Year: 2023
Program: 5337 State of Good Repair
Activity: Motor Coach & Trolley Coach Midlife Overhauls
Match: 20%
Match Source: Sales Tax

Will 3rd Party contractors be used to fulfill this activity line item?
Yes, 3rd Party Contractors will be used for this line item.

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$5,666,666
Local			$1,424,167
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$7,090,833**

Milestone Name	Est. Completion Date	Description

RFP/IFB Issue Date	10/1/2023	
Contract Award Date	3/31/2024	
Initial Delivery Date	3/31/2025	
Final Delivery Date	3/31/2027	
Contract Completion Date	3/31/2028	

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
RAIL - ROLLING STOCK (121-00)	12.14.26	COMMUTER RAIL CARS USED	6	$5,666,666.00	$7,090,833.00

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description
Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date Description	Date
Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
OTHER CAPITAL ITEMS (RAIL) (127-00)	12.72.08	FORCE ACCT CONSTRUCTION	6	$6,000,000.00	$7,500,000.00

Part 4: Fleet Details

Fleet Type: Paratransit

Fleet Comments
The paratransit fleet consists of 151 vehicles.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	125
	B. Spares	25
	C. Total (A+B)	150
	D. Spare Ratio (B/A)	20%
II.	**Inactive Fleet**	
	A. Other	1
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	150

Fleet Type: Commuter Rail

Fleet Comments
This report represents the Historic vehicle fleet status.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	23
	B. Spares	18
	C. Total (A+B)	41
	D. Spare Ratio (B/A)	78.26%
II.	**Inactive Fleet**	
	A. Other	7

	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	41

Fleet Type: Light Rail

Fleet Comments
SFMTA's current revenue fleet is 217.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	173
	B. Spares	44
	C. Total (A+B)	217
	D. Spare Ratio (B/A)	25.43%
II.	**Inactive Fleet**	
	A. Other	0
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	217

Fleet Type: Fixed Route

Fleet Comments
This category reflects our 40' and 60' Trolley coaches.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	197
	B. Spares	81
	C. Total (A+B)	278
	D. Spare Ratio (B/A)	41.12%
II.	**Inactive Fleet**	
	A. Other	0
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	**Total (I.C and II.C)**	278

Fleet Type: Other

Fleet Comments
This category reflects our Motor coaches.

		Current Value
I.	**Active Fleet**	
	A. Peak Requirement	483
	B. Spares	142
	C. Total (A+B)	625
	D. Spare Ratio (B/A)	29.4%
II.	**Inactive Fleet**	
	A. Other	0
	B. Pending Disposal	57
	C. Total (A+B)	57
III.	**Total (I.C and II.C)**	682

Part 5: FTA Review Comments

Application Review Comments

Comment By	**Alexander Smith**
Comment Type	Pre-Award Manager Returns Application
Date	5/13/2023
Comment	Returned at grantee request.

Comment By	**Alexander Smith**
Comment Type	Pre-Award Manager Returns Application
Date	6/16/2023
Comment	1. STIP Approval Date: Since SFMTA intends to utilize Pre-Award Authority for this grant award, the STIP information must include the approval date that the LRV procurement project was initially programmed into the STIP. Otherwise, the ALIs contract award (10/1/2022) took place ahead of the STIP approval date of 4/21/2023, under which the grantee would not be allowed to use pre-award authority. 2. Extended Budget Description (EBD) needs to include the following, in accordance with the information provided in the Application Development Toolkit (Part 2). a. Amount of FTA funds applied b. Year of funds c. Program of funds d. Brief Description of the activity e. Match ratio f. Source of non-federal share g. Useful Life h. VIN information for the railcars to be replaced. 3. Milestones: The 5 milestones should include RFP/IFB, Contract Award, 1 vehicle delivered, final vehicle delivered, and Contract Closeout.

4. Quantity: Please ask the grantee to identify the best estimate of the quantity of LRVs that this grant would fund. They may need to revise the quantity information and provide better description regarding that large/overall LRV procurement contract and how this grant would be in tandem with other FTA grants to collective fund the vehicle purchase.

Comment By	**Alexander Smith**
Comment Type	Pre-Award Manager Returns Application
Date	7/13/2023
Comment	Returned at recipient request.

Comment By	**Alexander Smith**
Comment Type	Pre-Award Manager Returns Application
Date	8/6/2023
Comment	1. STIP Approval Date: The approval date that the LRV procurement project was initially programmed into STIP in the attached documents shows 4/21/2023, but TrAMS shows 4/20/23. Please update. 2. Extended Budget Description (EBD) needs to include the following *for all contracted projects*, in accordance with the information provided in the Application Development Toolkit (Part 2). a. Amount of FTA funds applied b. Year of funds c. Program of funds d. Brief Description of the activity e. Match ratio f. Source of non-federal share g. Useful Life h. VIN information for the railcars to be replaced. 3. Milestones: The 5 milestones should include RFP/IFB, Contract Award, 1 vehicle delivered, final vehicle delivered, and Contract Closeout. Please discuss with FTA if you do not have all dates for each contracted project.

Comment By	**Alexander Smith**
Comment Type	Pre-Award Manager Returns Application
Date	4/30/2024
Comment	Please update the period of performance end date to 3 months beyond the last milestone date (I think this is 3/31/28 plus 3 months?). Confirm that this application will use indirect costs. Update milestones to include 5 for 3rd party contracts and procurements.

Application Review Comments

Comment By	Mark Lui
Comment Type	Application Details
Date	8/16/2023
Comment	I have transmitted a different application 2023-6 to expedite the award of funds for the LRV Replacement Procurement Project. That application will later be amended to include Indirect Costs and the remaining SGR projects programmed to these funds.

Comment By	Mark Lui
Comment Type	Application Details
Date	5/22/2024
Comment	Changed POPED and added 5 milestone dates for all contracted services.

Part 6: Agreement

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL TRANSIT ADMINISTRATION

GRANT AGREEMENT
(FTA G-31)

On the date the authorized U.S. Department of Transportation, Federal Transit Administration (FTA) official signs this Grant Agreement, FTA has obligated and awarded federal assistance as provided below. Upon execution of this Grant Agreement by the Recipient named below, the Recipient affirms this FTA Award, enters into this Grant Agreement with FTA, and binds its compliance with the terms of this Grant Agreement.

The following documents are incorporated by reference and made part of this Grant Agreement:
(1) "Federal Transit Administration Master Agreement," FTA MA(31), http://www.transit.dot.gov,
(2) The Certifications and Assurances applicable to the FTA Award that the Recipient has selected and provided to FTA, and
(3) Any Award notification containing special conditions or requirements, if issued.

WHEN THE TERM "FTA AWARD" OR "AWARD" IS USED, EITHER IN THIS GRANT AGREEMENT OR THE APPLICABLE MASTER AGREEMENT, "AWARD" ALSO INCLUDES ALL TERMS AND CONDITIONS SET FORTH IN THIS GRANT AGREEMENT.

FTA OR THE FEDERAL GOVERNMENT MAY WITHDRAW ITS OBLIGATION TO PROVIDE FEDERAL ASSISTANCE IF THE RECIPIENT DOES NOT EXECUTE THIS GRANT AGREEMENT WITHIN 90 DAYS FOLLOWING FTA's AWARD DATE SET FORTH HEREIN.

FTA AWARD

Federal Transit Administration (FTA) hereby awards a Federal Grant as follows:

Recipient Information

Recipient Name: CITY & COUNTY OF SAN FRANCISCO

Recipient ID: 1697

UEI: GSL6KW4Z5UE1

DUNS: 956617435

Award Information

Federal Award Identification Number: CA-2024-074-00

Award Name: FY2023 5337 Cable Car Infrastructure, Muni Rail Replacement Program, Wayside/Central Train Control & Trolley Signal Systems, Overhead Line Rehabilitation, and Historic Streetcar & Cable Car Restorations

Award Start Date: 7/1/2024

Original Award End Date: 12/31/2028

Current Award End Date: 12/31/2028

Award Executive Summary: The SFMTA will use a total of $51,322,226 in FY 2023 5337 State of Good Repair funds for Cable Car Infrastructure, Muni Rail Replacement, Wayside/Central Train Control & Trolley Signal Systems, Overhead Line Rehabilitation, and Historic Streetcar & Cable Car Restorations.

Allowable capital project costs under this grant follow the guidelines and principles contained in OMB's Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal awards circular (Super Circular). Eligible costs are those associated with the acquisition, construction, improvement and maintenance of facilities and equipment for use in transit, and include capital procurements, rolling stock purchases, design and construction costs and the force account (personnel) expenditures required to support these capital project activities.

The funds are allocated to the SFO UZA and are approved by the MTC in the following TIP numbers: SF99T002, SF95037B, SF050024, SF970170, and SF170021.

The 5337 funds in this application are included in the Investment Prioritization Section of SFMTA's TAM Plan.

In addition to FTAs Buy America Act, which requires that the steel, iron, and manufactured goods used in an FTA-funded project are produced in the United States (49 U.S.C. 5323(j)(1)),the Build America, Buy America Act (BABA) (Public Law 117-58, div. G 70914(a)) now requires that construction materials used in infrastructure projects are also produced in the United States. Refer to terms and conditions in FTAs Master Agreement Section 15. The BABA requirement applies to this grant, in addition to the Buy America requirements, except to the extent a waiver of either requirements may apply.

Research and Development: This award does not include research and development activities.

Indirect Costs: This award is applying an approved Indirect cost rate(s).

Suballocation Funds: Recipient organization is suballocated these apportioned funds and can apply for and receive these funds directly.

Pre-Award Authority: This award is using Pre-Award Authority.

Award Budget

Total Award Budget: $64,161,283.00

Amount of Federal Assistance Obligated for This FTA Action (in U.S. Dollars): $51,322,226.00

Amount of Non-Federal Funds Committed to This FTA Action (in U.S. Dollars): $12,839,057.00

Total FTA Amount Awarded and Obligated (in U.S. Dollars): $51,322,226.00

Total Non-Federal Funds Committed to the Overall Award (in U.S. Dollars): $12,839,057.00

Award Budget Control Totals

(The Budget includes the individual Project Budgets (Scopes and Activity Line Items) or as attached)

Funding Source	Section of Statute	CFDA Number	Amount
5337 - State of Good Repair Grants	5337	20525	$51,322,226
Local			$12,839,057
Local/In-Kind			$0
State			$0
State/In-Kind			$0
Other Federal			$0
Transportation Development Credit			$0
Adjustment			$0
Total Eligible Cost			**$64,161,283**

(The Transportation Development Credits are not added to the amount of the Total Award Budget.)

U.S. Department of Labor Certification of Public Transportation Employee Protective Arrangements:

DOL Decision: DOL Concurs - Certified
DOL Review Date: 6/28/2024
DOL Certification Date: 6/28/2024

Special Conditions

There are no special conditions.

FINDINGS AND DETERMINATIONS

By signing this Award on behalf of FTA, I am making all the determinations and findings required by federal law and regulations before this Award may be made.

FTA AWARD OF THE GRANT AGREEMENT

Awarded By:
Ray Tellis
Regional Administrator
FEDERAL TRANSIT ADMINISTRATION
U.S. DEPARTMENT OF TRANSPORTATION
Contact Info: ray.tellis@dot.gov
Award Date: 7/1/2024

EXECUTION OF THE GRANT AGREEMENT

Upon full execution of this Grant Agreement by the Recipient, the Effective Date will be the date FTA or the Federal Government awarded Federal assistance for this Grant Agreement.

By executing this Grant Agreement, the Recipient intends to enter into a legally binding agreement in which the Recipient:
(1) Affirms this FTA Award,
(2) Adopts and ratifies all of the following information it has submitted to FTA:
    (a) Statements,
    (b) Representations,
    (c) Warranties,
    (d) Covenants, and
    (e) Materials,
(3) Consents to comply with the requirements of this FTA Award, and
(4) Agrees to all terms and conditions set forth in this Grant Agreement.

Executed By:
Mark Lui
Pr Administrative Analyst
CITY & COUNTY OF SAN FRANCISCO
7/1/2024

Esqueda, Alberto

From: Smith, Alexander (FTA) <Alexander.Smith@dot.gov>
Sent: Friday, December 20, 2024 5:38 PM
To: Lui, Mark
Cc: Esqueda, Alberto; Robles, Felipe; Delumo, Jenny; Hassall, William; Goldberg, Joel; Studwell, Kathryn
Subject: RE: FTA Train Control Project NEPA

EXT

Hi Mark,

If there are no significant ground disturbances, this project appears to qualify for a C-type CE, which can be done within TrAMS.

Thanks,
Alex

From: Lui, Mark <Mark.Lui@sfmta.com>
Sent: Friday, December 20, 2024 9:44 AM
To: Smith, Alexander (FTA) <Alexander.Smith@dot.gov>
Cc: Esqueda, Alberto <Alberto.Esqueda@sfmta.com>; Robles, Felipe <Felipe.Robles@sfmta.com>; Delumo, Jenny <Jenny.Delumo@sfmta.com>; Hassall, William <William.Hassall@sfmta.com>; Goldberg, Joel <Joel.Goldberg@sfmta.com>; Studwell, Kathryn <Kathryn.Studwell@sfmta.com>
Subject: Re: FTA Train Control Project NEPA

CAUTION: This email originated from outside of the Department of Transportation (DOT). Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Good Morning Alex-,

Hoping you got this but just in case just following up to see if you have any guidance for us on this.

Thank you,

Mark

From: Lui, Mark <Mark.Lui@sfmta.com>
Sent: Tuesday, December 17, 2024 6:24 PM
To: Alex Smith (Alexander.Smith@dot.gov) <Alexander.Smith@dot.gov>
Cc: Esqueda, Alberto <Alberto.Esqueda@sfmta.com>; Robles, Felipe <Felipe.Robles@sfmta.com>; Delumo, Jenny <Jenny.Delumo@sfmta.com>; Hassall, William <William.Hassall@sfmta.com>; Goldberg, Joel <Joel.Goldberg@sfmta.com>
Subject: Fw: FTA Train Control Project NEPA

Thanks Alex,

The following is the previously approved project description in 2024-074:

Project Description
SFMTA: Systemwide: ATCS Wayside/Central Train Control & Rail/Bus Signal Systems Rehab/Replace Program includes but is not limited to (1) Final cutover of the new Advanced Train Control System (ATCS), remove the old signal system, and replace critical wayside equipment including station controllers, axle counters, and loop cables (2) Replace the UPS that provides power to the Central Control portion of the ATCS (3) Replace subway motor generators at Van Ness Station, which includes an Uninterruptible Power Supply (UPS) as backup for the wayside ATCS. (4) The Data Transmission System (DTS) provides remote control from Central Control of subway emergency ventilation fans, and monitors status of subway track switches, signal aspects, train traffic direction, and alarms, including fire and intrusion. The project replaces the deteriorated and obsolete system with a SCADA system and integrates it with other rail SCADA systems operated from Central Control. (5) Purchase a backup system for the Yard Departure Test Device (YDTD) at Muni's Metro Yard to minimize impacts on vehicle availability. (6) Signalize and electrify most switches in the Green Yard to enable control by LRV operators instead of current manual operations for more efficient operations. (7) Replace existing train control and signal system at various locations to increase protection for transit vehicles from auto traffic, reduce derailments and travel time, and improve safety, reliability, and maintainability of the system. (8) Rehab/replace miscellaneous trolley coach signalization systems. Funds in the 2020s will be invested in the ultimate change out of the ATCS with a new Communications-Based Train Control program.

And here is additional information about the entire project:

Overview of the Train Control Upgrade Project (TCUP)

- TCUP is an SFMTA capital project to replace the nearly 30-year-old Automatic Train Control System (ATCS) with a new Communications-Based Train Control (CBTC) system.
- CBTC will expand train control coverage beyond the subways to include the surface portions of Muni Metro, currently operating with independent, first-come, first-serve signals and switches.
- Under CBTC, Muni’s entire rail network will be centrally managed through a single, modernized system.
- The CBTC system will maintain the excellent safety record of the ATCS while significantly increasing the subway's efficiency and reliability.

Current State of the Muni Metro System

- The ATCS, in service since 1998, is the backbone of Muni’s light rail network, enabling safe, high-frequency service in the core system.
- The SFMTA Muni Metro system relies on an Automatic Train Control System (ATCS) to operate trains in the 7-mile Market Street Subway and the new 1.6-mile Central Subway.
- The ATCS is now outdated and at the end of its useful life, causing increased delays due to daily communication failures, train timeouts, and component malfunctions.

Need for the Train Control Upgrade Project

- Upgrading the train control system represents the most impactful investment to improve Muni Metro rail service.
- Replacing the aging ATCS with modern technology is critical for maintaining safety, efficiency, and reliability.

Categorical Exclusion Justification

The TCUP involves the replacement of the existing Automatic Train Control System (ATCS) with a modern Communications-Based Train Control (CBTC) system. The scope of work is largely confined to:

- Replacing existing train-mounted and central communications equipment.
- Upgrading or installing minor infrastructure elements, such as sensors and signal systems, within existing rights-of-way (ROW).
- Conducting installation and testing in areas already developed for transit use.

These activities are consistent with actions eligible for CEs, particularly as they do not involve significant ground disturbance, displacement of communities, or changes to land use.

Project Impact Analysis

While the environmental impacts of the TCUP are minimal, a high-level review of potential indirect and long-term impacts will ensure thorough documentation:

- **Traffic and Transportation**: During installation, short-term disruptions to Muni Metro service may occur, but these will be mitigated through careful scheduling and public communication. Upon completion, the CBTC system will improve operational efficiency and reduce delays.
- **Utilities and Infrastructure**: Temporary adjustments to power or communication lines may be required for equipment upgrades, but these changes will be minor and localized.

About half of the $700 million project will be coming from FTA and the project is expected to take over 10 years to complete.

Please let us know if you need additional information about this to answer our questions.

Thank You,

Mark

From: Smith, Alexander (FTA) <Alexander.Smith@dot.gov>
Sent: Friday, December 6, 2024 12:53 PM
To: Lui, Mark <Mark.Lui@sfmta.com>
Cc: Robles, Felipe <Felipe.Robles@sfmta.com>; Esqueda, Alberto <Alberto.Esqueda@sfmta.com>; Delumo, Jenny <Jenny.Delumo@sfmta.com>; Hassall, William <William.Hassall@sfmta.com>;

Goldberg, Joel <Joel.Goldberg@sfmta.com>
Subject: RE: FTA Train Control Project NEPA

EXT

Hi Mark,

Please describe the project scope, especially any ground disturbing or construction potential impacts. It would be helpful to see the scope and grant number of the approved project relative to the scope of the broader project. Also, we would like to know which funds will be applied to this and when.

Thanks,

Alex

From: Lui, Mark <Mark.Lui@sfmta.com>
Sent: Friday, December 6, 2024 12:45 PM
To: Smith, Alexander (FTA) <Alexander.Smith@dot.gov>
Cc: Robles, Felipe <Felipe.Robles@sfmta.com>; Esqueda, Alberto <Alberto.Esqueda@sfmta.com>; Delumo, Jenny <Jenny.Delumo@sfmta.com>; Hassall, William <William.Hassall@sfmta.com>; Goldberg, Joel <Joel.Goldberg@sfmta.com>
Subject: Fw: FTA Train Control Project NEPA

CAUTION: This email originated from outside of the Department of Transportation (DOT). Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Alex- Not sure if you saw this so checking to see if you can provide us with guidance on this. Thank you, Mark

---

From: Lui, Mark
Sent: Wednesday, November 27, 2024 2:11 PM
To: Alex Smith (Alexander.Smith@dot.gov) <Alexander.Smith@dot.gov>

Cc: Robles, Felipe <Felipe.Robles@sfmta.com>; Esqueda, Alberto <Alberto.Esqueda@sfmta.com>; Delumo, Jenny <Jenny.Delumo@sfmta.com>; Hassall, William <William.Hassall@sfmta.com>; Goldberg, Joel <Joel.Goldberg@sfmta.com>
Subject: FTA Train Control Project NEPA

Hello Alex,

We are in the middle of our preconstruction process of our Train Control Project that has a significant amount of FTA funding both now and in the future. We have received the NEPA CE approval on our most recent batch of funds for FY23 through the TrAMS Application Process.

We want to find out if it is possible to get NEPA CE approval on a larger scale that includes the entire project. The project is estimated to be about a total of $700 million with $375 million coming from FTA.

Thank you for your guidance and support on this.

Mark S. Lui

Principal Administrative Analyst

Transportation Funding Services

Budget & Capital Finance

SFMTA

415.646.2516

mark.lui@sfmta.com

San Francisco Municipal Transportation Agency

1 South Van Ness Avenue, 8th floor

San Francisco, CA 94103



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This message is from outside of the SFMTA email system. Please review the email carefully before responding, clicking links, or opening attachments.

From:	Hue, Melinda
To:	Smith, Alexander (FTA)
Cc:	Howard, Dan; Hansen, Mark; Goldberg, Joel; Wang, David
Subject:	RE: SFMTA - Train Control Upgrade Project w/ FTA
Date:	Thursday, March 9, 2023 11:14:52 AM
Attachments:	image001.png image005.png

Got it. Thanks so much Alex!

From: Smith, Alexander (FTA) <Alexander.Smith@dot.gov>
Sent: Thursday, March 9, 2023 10:54 AM
To: Hue, Melinda <Melinda.Hue@sfmta.com>
Cc: Howard, Dan <Dan.Howard@sfmta.com>; Hansen, Mark <Mark.Hansen@sfmta.com>; Goldberg, Joel <Joel.Goldberg@sfmta.com>; Wang, David <David.Wang@sfmta.com>
Subject: RE: SFMTA - Train Control Upgrade Project w/ FTA

EXT

Hi Melinda,

From the sounds of it, this would clearly qualify for one of our off-the-shelf CEs, with the NEPA determination made at the time of the trams grant award. Please discuss this with Joel if needed. We would want to avoid the use of the term “construction” for the kind of work you describe below.

Thanks,
Alex

Alex Smith
Federal Transit Administration, Region IX
90 Seventh Street, Suite 15-300
San Francisco, CA 94103-6701
Phone Number: 415-734-9472
Email: alexander.smith@dot.gov

From: Hue, Melinda <Melinda.Hue@sfmta.com>
Sent: Thursday, March 9, 2023 10:50 AM
To: Smith, Alexander (FTA) <Alexander.Smith@dot.gov>
Cc: Howard, Dan <Dan.Howard@sfmta.com>; Hansen, Mark <Mark.Hansen@sfmta.com>; Goldberg, Joel <Joel.Goldberg@sfmta.com>; Wang, David <David.Wang@sfmta.com>
Subject: RE: SFMTA - Train Control Upgrade Project w/ FTA

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Thanks Alex! Below is a short description of the scope of work:

The Train Control Upgrade Project (TCUP) proposes to replaces the nearly 30-year-old ATCS (automatic train control system) in the Muni subways with a new CBTC (Communications Based Train Control System). The project would also expand CBTC control outside of the subways to the surface portions of Muni Metro, where signals and switches are currently operated independently of the ATCS in a first come, first serve configuration. Under CBTC, the Muni Metro system would be managed centrally under a single, modernized system.

The project would involve the installation of equipment on trains and wayside. Most of this work would not involve any construction. There may be a potential that construction would be needed (though given that we don't have a design yet, we do not know the extent of construction activities.) Examples of potential construction activities may include:

- The installation of conduits for fiber optic cables in existing conduit alongside the Muni Metro trackway if we can't use existing conduits
- Construction of new CBTC electronic equipment cabinets in the public right-of-way along the Muni Metro trackway if existing equipment cabinets are not available
- Connecting wayside equipment to conduit trunklines along the trackway may require excavation if needed.

Again, we don't know the extent of this work until after the first contract where we would contract for design services. If you want more information regarding installation of equipment that does not require construction, please let us know.

Let me know if you want me to give you a call (I will most likely have Dan and Mark with me as they are the project managers and probably know more of the technical ins and outs of this than I do and can better answer any project questions you may have).

Thanks!

Best,

Melinda

From: Smith, Alexander (FTA) <Alexander.Smith@dot.gov>
Sent: Wednesday, March 1, 2023 11:47 AM
To: Hue, Melinda <Melinda.Hue@sfmta.com>
Cc: Howard, Dan <Dan.Howard@sfmta.com>; Hansen, Mark <Mark.Hansen@sfmta.com>; Goldberg, Joel <Joel.Goldberg@sfmta.com>; Wang, David <David.Wang@sfmta.com>
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EXT

Hi Melinda,

No need for any NEPA with the first contract with no construction (other than a simple CE with the grant award).

As for the installation (if we can call it that?), it sounds possible that a simple CE would suffice. If you could better describe the scope of the work we might be able to skip a meeting.
Or, feel free to call my mobile at 415-370-9857.

Thanks,
Alex

Alex Smith
Federal Transit Administration, Region IX
90 Seventh Street, Suite 15-300
San Francisco, CA 94103-6701
Phone Number: 415-734-9472
Email: alexander.smith@dot.gov

From: Hue, Melinda <Melinda.Hue@sfmta.com>
Sent: Wednesday, March 1, 2023 11:33 AM
To: Smith, Alexander (FTA) <Alexander.Smith@dot.gov>
Cc: Howard, Dan <Dan.Howard@sfmta.com>; Hansen, Mark <Mark.Hansen@sfmta.com>; Goldberg, Joel <Joel.Goldberg@sfmta.com>; Wang, David <David.Wang@sfmta.com>
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Hi Alex,

One of the reasons we wanted to meet with you is to talk through the issue we have regarding construction. Our first contract for TCUP will be for design, procurement of equipment, and long-term support. It is with this contract where designing the project would let us know what construction would be involved. Once we have the design, our subsequent contracts would be for construction/installation of equipment.

We plan on using some FTA funds for our first contract (which would not involve any construction) and wanted to confirm that we will not need NEPA completed in order to use FTA funds for our first contract given that no construction would occur.

It would be great if we can have a brief chat about this as a group (we can skip the project overview and get into questions)?

Thanks!

Best,

Melinda

From: Smith, Alexander (FTA) <Alexander.Smith@dot.gov>
Sent: Tuesday, February 28, 2023 6:14 PM
To: Hue, Melinda <Melinda.Hue@sfmta.com>
Cc: Howard, Dan <Dan.Howard@sfmta.com>; Hansen, Mark <Mark.Hansen@sfmta.com>; Goldberg, Joel <Joel.Goldberg@sfmta.com>; Wang, David <David.Wang@sfmta.com>
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EXT

Hi Melinda,

We might be able to avoid a meeting on this topic. Unless this project involves construction or effects to human or natural environment, one of those CEs mentioned below would likely apply. Maybe you could write a brief description of the scope activities to be performed and we can see if we need a meeting?

Thanks,
Alex

Alex Smith
Federal Transit Administration, Region IX
90 Seventh Street, Suite 15-300
San Francisco, CA 94103-6701
Phone Number: 415-734-9472
Email: alexander.smith@dot.gov

From: Hue, Melinda <Melinda.Hue@sfmta.com>
Sent: Tuesday, February 28, 2023 2:30 PM
To: Smith, Alexander (FTA) <Alexander.Smith@dot.gov>
Cc: Howard, Dan <Dan.Howard@sfmta.com>; Hansen, Mark <Mark.Hansen@sfmta.com>; Goldberg, Joel <Joel.Goldberg@sfmta.com>; Wang, David <David.Wang@sfmta.com>
Subject: SFMTA - Train Control Upgrade Project w/ FTA

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Hi Alex,

I am working with Dan Howard and Mark Hansen on SFMTA's Train Control Upgrade Project and we were hoping to loop back with you regarding a few questions we had. I don't recall the last time the project team and FTA met (maybe pre pandemic?) so I think SFMTA can present an overview of the project and discuss the following:

1. Type of NEPA document anticipated for the project
2. Timing of when NEPA will need to be completed as required by our funding

Here are the dates/times the SFMTA team are available for a meeting:

- March 24: 9am-10am, 3pm-4pm
- April 6: 11am-12pm; 1pm-3pm
- April 12: 3pm-4pm

Please let me know what dates/times work best for your team. Also, please let me know what information you think would be useful for SFMTA to provide in advance to facilitate this meeting.

I have taken a preliminary look at the Categorical Exclusion information on FTA's website – "FTA's NEPA regulations outline two lists for the types of projects that are categorically excluded. The C-list (23 CFR 771.118(c)) is a specific list of CEs that normally require minimal documentation."

Looking at 23 CFR 771.118(c)), it seems maybe the following Categorical Exclusion types may apply to TCUP? Happy to discuss further at our meeting.

23 CFR 771.118(c)(1): Acquisition, installation, operation, evaluation, replacement, and improvement of discrete utilities and similar appurtenances (existing and new) within or adjacent to existing transportation right-of-way, such as: Utility poles, underground wiring, cables, and information systems; and power substations and utility transfer stations.

23 CFR 771.118(c)(5): Activities, including repairs, replacements, and rehabilitations, designed to promote transportation safety, security, accessibility and effective communication within or adjacent to existing right-of-way, such as: The deployment of Intelligent Transportation Systems and components; installation and improvement of safety and communications equipment, including hazard elimination and mitigation; installation of passenger amenities and traffic signals; and retrofitting existing transportation vehicles, facilities or structures, or upgrading to current standards.

Thanks!

Best,

Melinda

Melinda Hue

Environmental Review Team Planner
Streets

Office 415.646.2842

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1 South Van Ness Avenue, 7th floor
San Francisco, CA 94103



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