



SFMTA

Transportation: San Francisco

2014 Transportation and Road Improvement GO Bond Update

Capital Planning Committee

March 3, 2020



2014 Transportation and Road Improvement General Obligation Bond

As part of Transportation 2030 a
\$500M G.O. bond for transportation
included in 2014-2023 Capital Plan



- The Bond passed in November 2014 with nearly 72% of the vote
- Amount Issued To Date: **\$248.6M**

2014 Transportation and Road Improvement Program

Program Summary



**Total Bond
(in millions)**

Already Issued

Improved Transit	Faster, More Reliable Transit	\$191	\$73.2
	Accessibility Improvements	\$30	\$3
	Muni Facility Upgrades	\$70	\$66.7
	Major Transit Corridor Improvements	\$28	\$27
	Caltrain Upgrades	\$39	\$27.8
Safer Streets	Pedestrian Safety Improvements	\$68	\$30.3
	Traffic Signal Improvements	\$22	\$6
	Complete Streets Improvements	\$52	\$4.6
	Estimated Cost of Issuance and Fees		\$9.9
	Total	\$500	\$248.6

Outcomes: Improved Transit

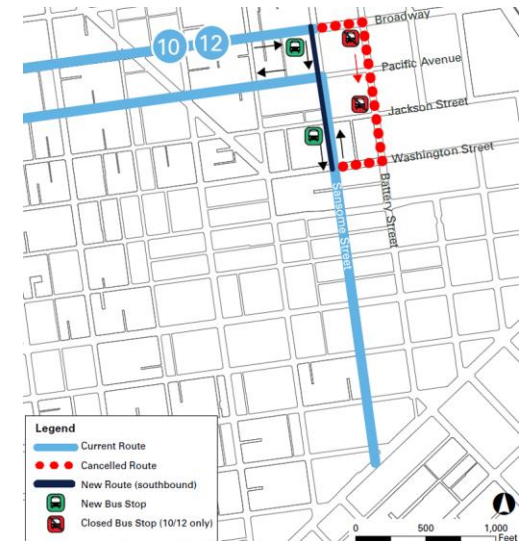


Improved Transit

- **Improving reliability:** Over 50 miles of reliability improvements, including transit-only lanes, bus bulbs and traffic signal priority
- **Creating a Rapid Network:** More Rapid bus lines and expanded frequency serving nearly 70% of all Muni customers
- **More Service:** 10% service increase since 2015 with better connections
- **Muni Service Equity Strategy:** a focus on improving service in Equity Strategy neighborhoods
- **New Fleet:** all new bus and rail vehicles; deployment of larger Muni vehicles

MUNI FORWARD

Completed 9R San Bruno Rapid bus island with bike lane on 11th and Harrison.



Muni service commenced on the new contraflow lane on August 13, 2016 to give Muni riders a more direct, faster and reliable trip on Sansome Street

Outcomes: Improved Transit



Improved Transit

5 Rapid / 5 Fulton Service

- Route restructuring and optimizing of bus stop locations, addition of 60-ft buses from 40 ft buses
- Safety improvements, including pedestrian bulbs, pedestrian countdown signals and improved crosswalk markings
- Traffic modifications with right turn pockets, replacement of all-way stop-controlled intersections with traffic signals, and installation of a traffic circle

Key Highlights:

- Increase of nearly 50% capacity on the bus line
- Faster travel time and easier boarding

MUNI FORWARD



Outcomes: Improved Transit



Improved Transit

9 Rapid / 9 San Bruno Project

- Travel time improvement with stop consolidation and optimization
- Safety improvements including installation of transit islands and transit bulbs

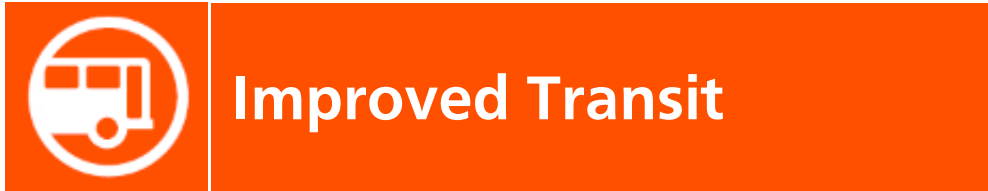
Key Highlights:

- Advances SFMTA's Muni Service Equity Strategy, especially for residents of Visitation Valley, who rely heavily on this route
- 9 Rapid runs every 9 minutes instead of every 12 minutes
- 9 Rapid extended to cover all existing local stops in Visitation Valley
- Service extended to Ferry Plaza on nights/weekends

MUNI FORWARD



Outcomes: Improved Transit



1 California

- Travel time improvement with traffic signal priority
- Safety improvements including installation of transit islands and transit bulbs

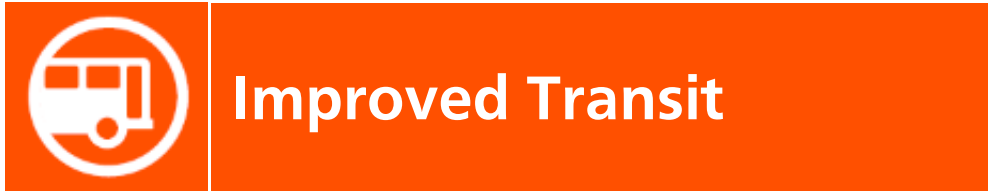
Key Highlights:

- Increase daytime weekend service

MUNI FORWARD



Outcomes: Improved Transit



10 Townsend Bus Line

- Service expansion from early evening to midnight
- Transit improvements including new contra-flow lane for transit, upgrade of traffic signals to transit signal priority, and crosswalk upgrades

Key Highlights:

MUNI FORWARD



Outcomes: Safer Streets



- **Over \$300 million** in infrastructure upgrades to support **Vision Zero**
- Protect people walking with **targeted safety improvements**, includes the 13% of streets where 75% of fatal injuries occur
- **Build bicycle network** upgrades; creating a safer, more well-defined bicycle network to reduce conflict and improve safety for all users

Vision Zero's goal is to eliminate all traffic deaths and reduce severe and fatal injuries in San Francisco by 2024.

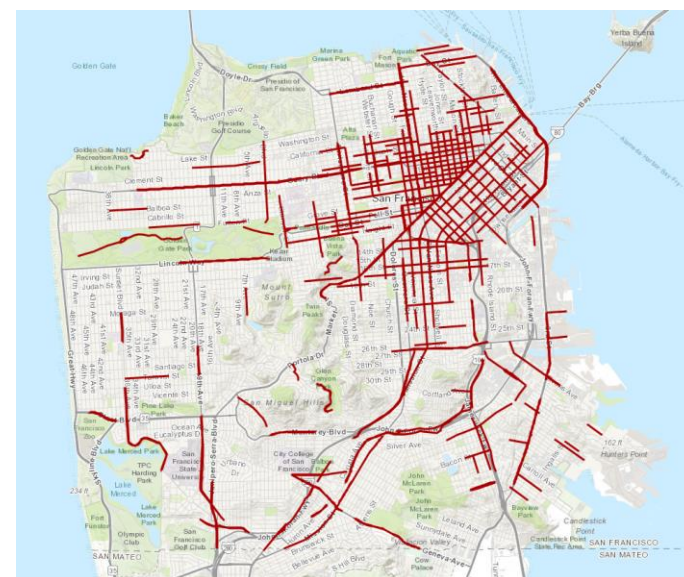
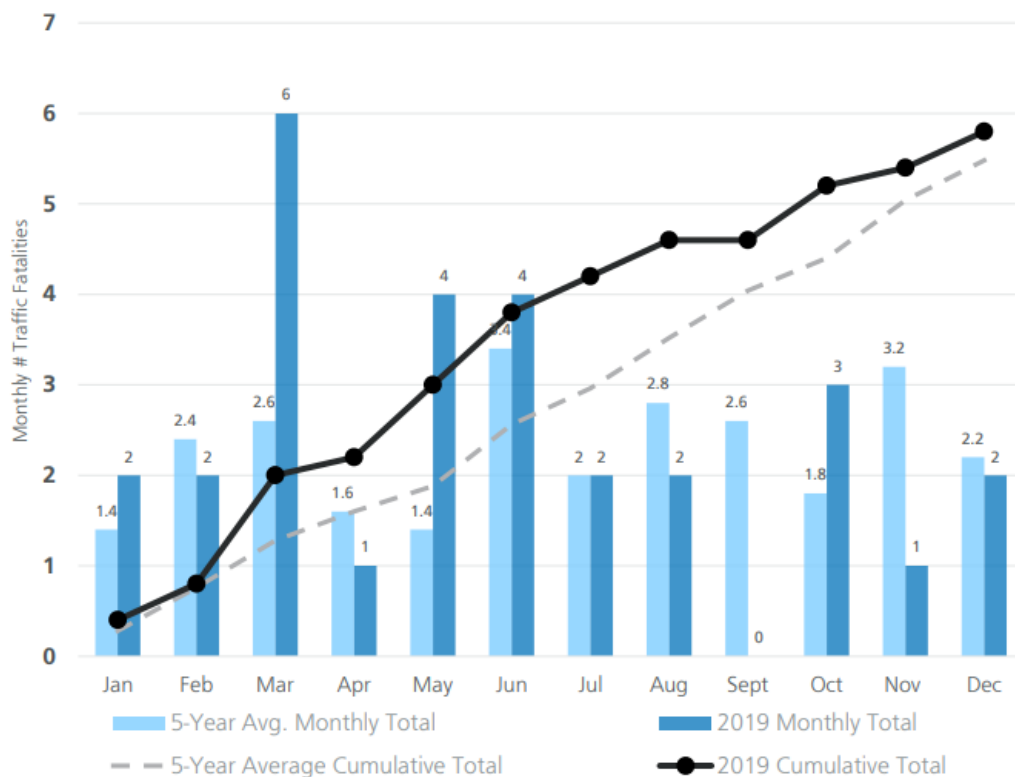


Bike lanes increase the safety of bikers while helping the flow of traffic, causing fewer collisions.

Outcomes: Safer Streets



Traffic Fatalities – San Francisco: 2019 & 5-year Averages



Vision Zero High Injury Network 2017.

Outcomes: Safer Streets



Pedestrian Countdown Signals (PCS) Added on High Injury Corridors

- PCS's added to 15 High Injury Corridor locations including California/Jones and California/ Leavenworth
- PCS's allow people to determine if they have enough time to safely cross or if they should wait for the next cycle



7th & 8th St South of Folsom Streetscape Project

- Bicycle and pedestrian improvements along 7th and 8th Street between Harrison Street and Market Street
- Aligned with the Eastern Neighborhoods Transportation Implementing Planning Study
- Includes a new concrete buffered bike lane, concrete boarding islands, sidewalk bulbs, new striping, and safe hit posts

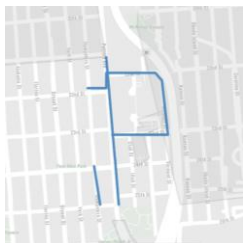


Outcomes: Safer Streets



Potrero Avenue Roadway Improvements

- Installation of audible pedestrian signals at 12 intersections on Potrero Avenue between 17th Street and 25th Street



8th & Market Street Transit Boarding Island

- Introduced a Class IV bikeway to one of the busiest cycling intersections in the city – at 8th, Market, Hyde, and Grove Streets – to separate bicyclist from transit
- Includes two-stage turn boxes, green pavement parking, and a safer transit boarding design
- Connects to an existing buffered bicycle lane on 8th Street

Outcomes: Safer Streets



Pedestrian Safety Improvements	\$26.3 m
Traffic Signal Improvements	\$6.0 m
Complete Street Improvements	\$4.6 m

- New or improved **signals** at more than 28 high-injury network intersections
- **Curb bulbs** at 19 high-injury network intersections
- Construction of **Geary Boulevard Pedestrian Improvements**
- Additional pedestrian **safety improvements coordinated with Muni Forward**



For Geary Boulevard Pedestrian Improvements, the Steiner pedestrian overcrossing is proposed for removal to make way for an easier crossing at street level.



Construction of a traffic signal on Jessie and 6th Streets.

Update – 1st Issuance

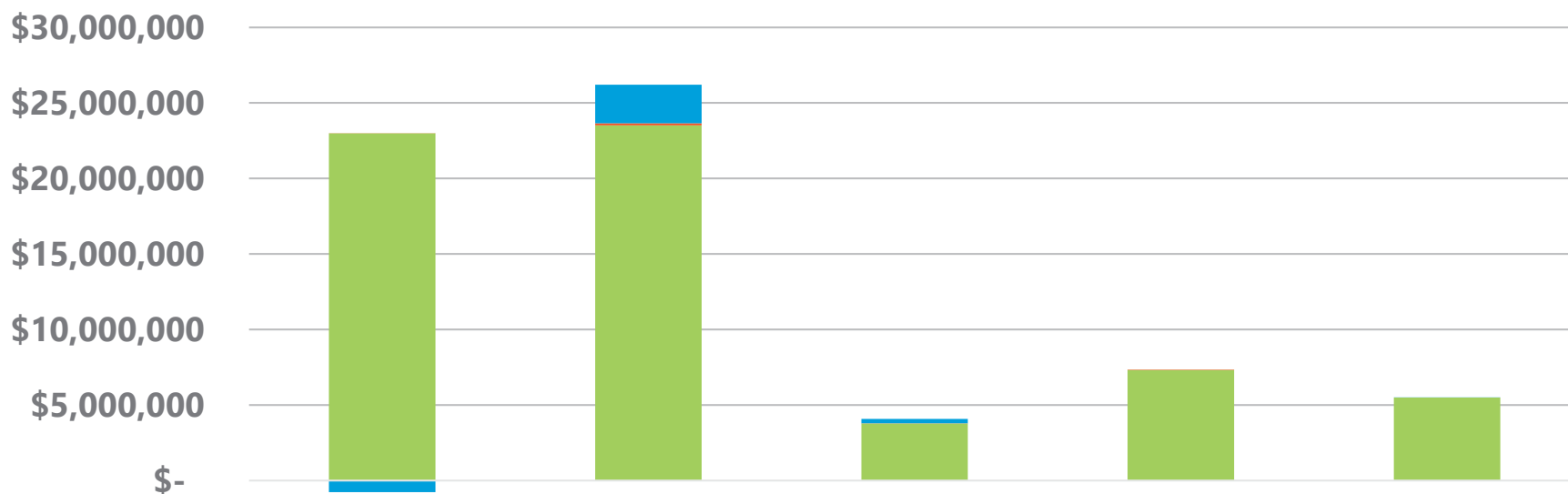


- The **1st Bond Issuance is** currently **97%** **expended** and expected to be fully expended by mid-calendar year 2020.
- The **2nd Bond Issuance is** currently % **expended** and expected to be fully expended by end of calendar year 2021.

Update – 1st Issuance



1st Bond Issuance Expenditures



\$(5,000,000)

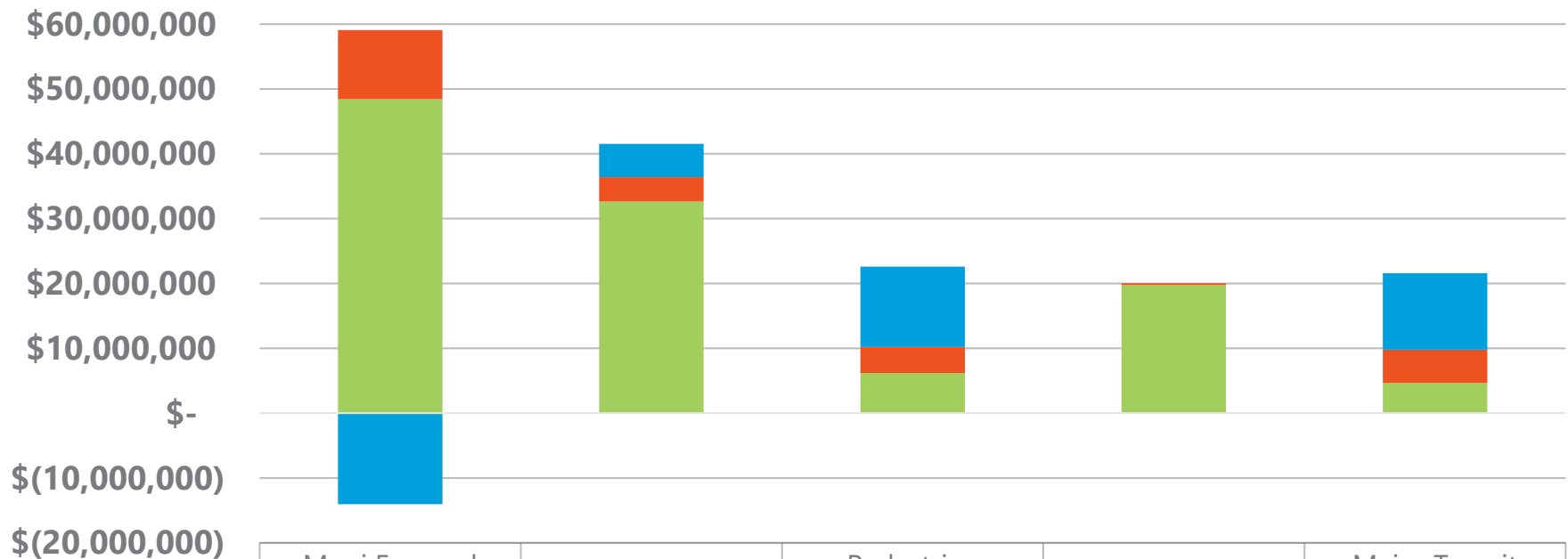
	Muni Forward Rapid Network Improvements	Muni Facility Upgrades	Pedestrian Safety Improvements	Caltrain Upgrades	Major Transit Corridor Improvements
Balance	\$(769,173)	\$2,551,424	\$291,565	\$-	\$1,482
Encumbered	\$8,859	\$134,650	\$10,842	\$28,030	\$-
Expended	\$22,980,422	\$23,513,927	\$3,778,335	\$7,311,970	\$5,498,518

■ Expended ■ Encumbered ■ Balance

Update – 2nd Issuance



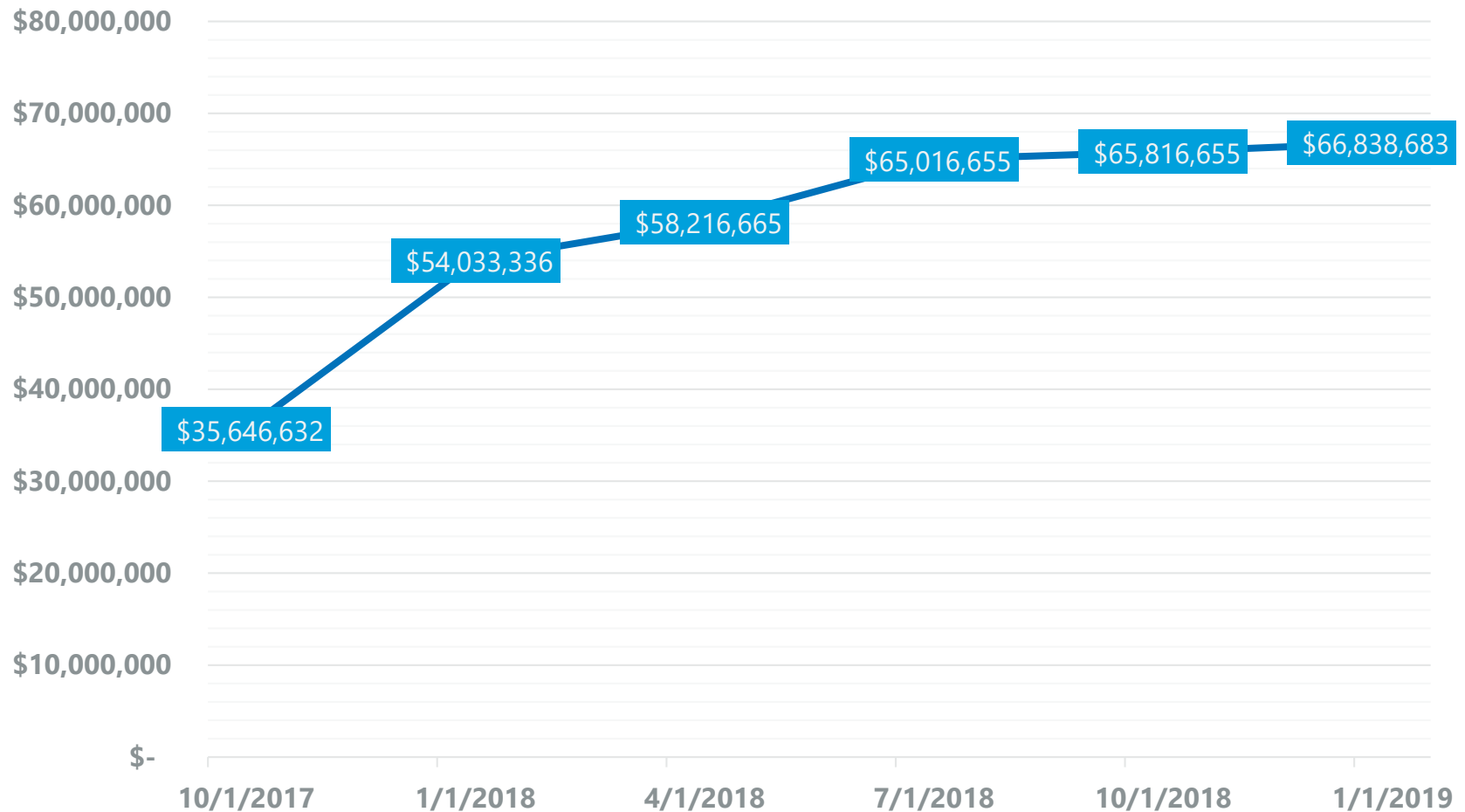
2nd Bond Issuance Expenditures



■ Expended ■ Encumbered ■ Balance

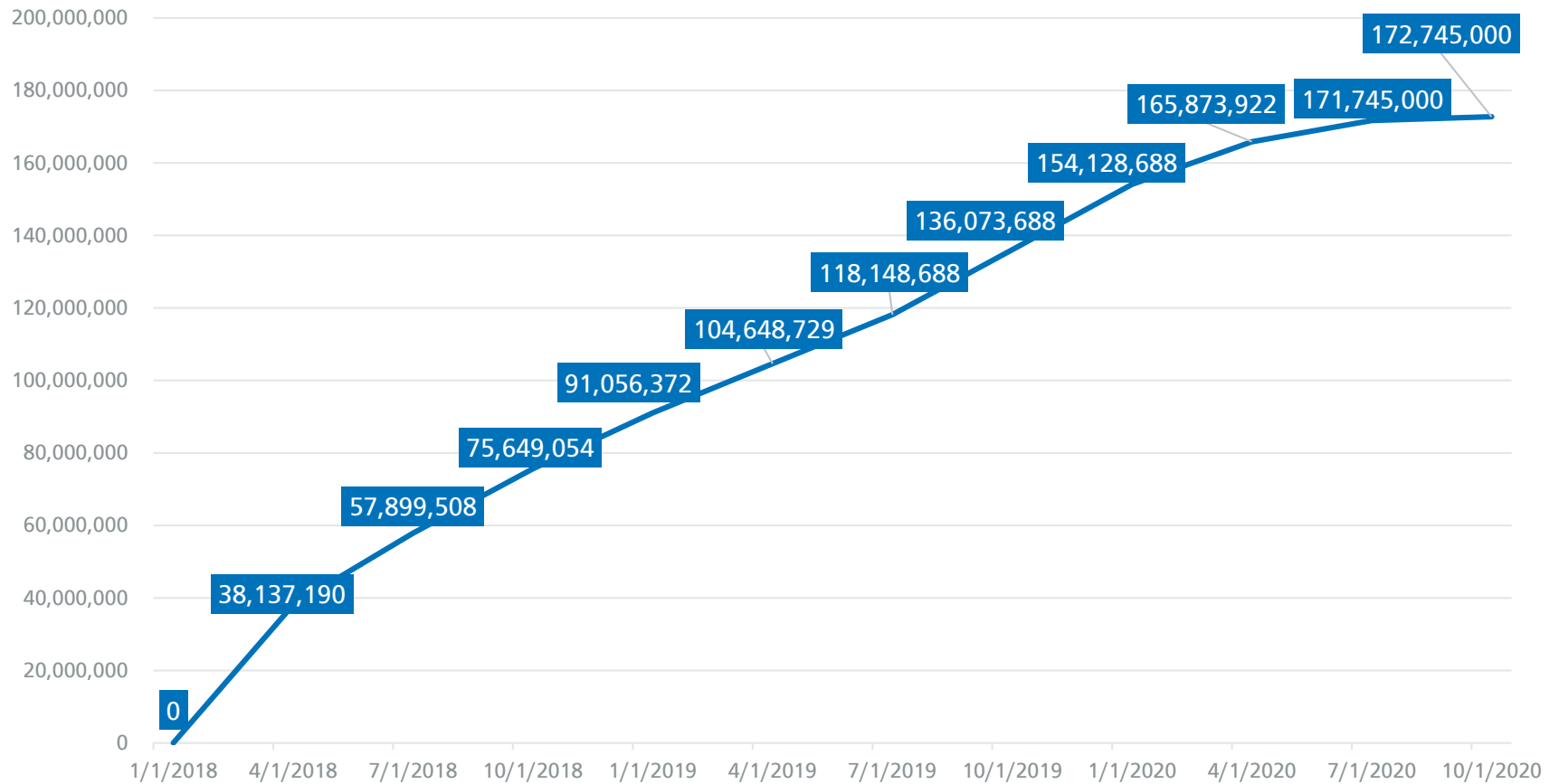
Projected 1st Issuance Expenditures

1st Issuance Spending Projection



Projected 2nd Issuance Expenditures

2nd Issuance Spending Projection



2nd Issuance Projects



Improved Transit

Faster, More Reliable Transit \$50.0 m
Caltrain Upgrades \$20.0 m

\$60.8 million - Muni Forward

- 2nd Issuance is for 18 of 22 projects
- Improve transit time and reliability on routes serving more than 100,000 customers daily

\$20.0 million - Caltrain Electrification

- Funds the electrification at the northern terminal of the Caltrain Corridor starting at San Francisco's 4th and King Caltrain Station
- Improves safety and service to the public

MUNI FORWARD



The current diesel trains will be replaced by electric multiple units (EMUs).

2nd Issuance Projects



Improved Transit

Muni Facility Upgrades \$41.5 m

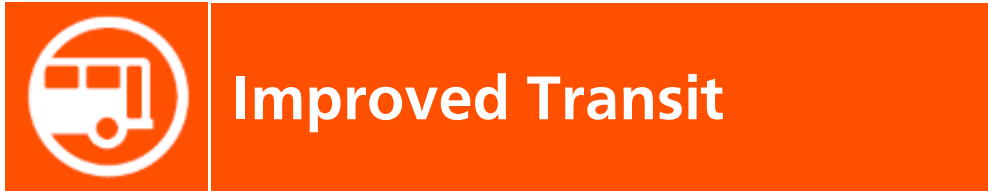
\$32.4 million - Burke Warehouse

- Relocation of Muni Overhead Lines Unit allowing Animal Care and Control Relocation to Bryant location
- Resiliency upgrades to MTA Central Storage/Parts Warehouse Facility

\$9.1 million - Muni Metro East (MME)

- Improvements to the Muni Metro East Light Rail Vehicle Maintenance Facility
- Project supports yard improvements to allow for storage of growing Light Rail Fleet and new Siemens cars

2nd Issuance Projects



Major Transit Corridor Improvements \$21.6 m

\$6.6 million - Better Market Street

- Improve speed and reliability along San Francisco's most heavily used transit corridor and improve safety and comfort for people walking and bicycling
- Construction phase estimated to begin in summer of 2018

\$15.0 million - L-Taraval Improvement

- Replace approximately 23,000 feet of track along the L Taraval between Forestside Avenue near West Portal to La Playa



Depiction of a completed section of Market Street under the Better Market Street project.



Passengers exit an L-Taraval Muni train at Taraval Street and 30th Avenue in Parkside..

2nd Issuance Projects



Improved Transit

Accessibility Improvements

\$3.0 m

\$3.0 million - BART Canopies

- Part of larger BART's Escalator Renovation and Canope Program
- The canopy will include a digital display to show train arrival times, new security grille, new LED lighting, security cameras, and other improvements.
- The canopy at this entrance will protect the escalator from the elements to help limit breakdowns



Planned BART canopy at Powell Station on Market Street.

Transportation and Road Improvement Bond Program Schedules



Improved Transit

Planning

Design, Bid & Award

Construction

Program/Project Name	Total Budget	Second Issuance	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Faster, More Reliable Transit (Muni Forward)														
*7 Haight-Noriega: Haight Street Rapid Project	\$	15,295,000	\$	6,766,975										
*5 Fulton: East of 6th Ave (Inner) Rapid Project	\$	4,170,000	\$	1,254,218										
*N Judah: Arguello to 9th Ave Rapid Project	\$	5,000,000	\$	2,633,194										
*30 Stockton: East of Van Ness Ave Transit Priority Project	\$	6,400,000	\$	675,000										
*30 Stockton: Chestnut St (W of VN) Transit Priority Project	\$	5,500,000	\$	3,576,648										
*14 Mission: Division to Randall (Inner) Rapid Project	\$	7,132,000	\$	3,254,301										
*28 19th Avenue: 19th Ave Rapid Project	\$	18,999,608	\$	3,900,000										
*22 Fillmore Extension to Mission Bay	\$	75,200,000	\$	20,008,259										
*22 Fillmore OCS Improvements on Church & Duboce	\$	1,207,000	\$	1,207,000										
*1 California: Laurel Village	\$	1,386,000	\$	1,200,000										
*19 Polk: Polk Street Transit Priority Project	\$	614,000	\$	74,000										
*Lombard Street Streetscape	\$	10,745,000	\$	2,293,416										
*Caltrain Electrification – San Francisco contribution	\$	1,980,000,000	\$	20,020,000										
Accessibility Improvements														
*BART Canopies	\$	232,000,000	\$	3,000,000										
Muni Facilities														
*Burke Facility Renovation	\$	43,416,042	\$	32,400,000										
*Muni Metro East Facility - Five Track	\$	21,860,100	\$	9,122,343										
Parking Garage Elevator Modernization	\$	3,122,417	\$	3,122,417										
King Street Substation Upgrade														
Major Transit Corridor Improvements														
*Better Market Street	\$	604,000,000	\$	6,593,275										
*L-Taraval Rail and Overhead Rehabilitation	\$	105,200,000	\$	3,100,000										

Transportation and Road Improvement Bond Program Schedules



Safer Streets

Planning

Design, Bid & Award

Construction

			FY 17/18				FY 18/19				FY 19/20				FY 20/21				Q
Program/Project Name	Total Budget	Second Issuance	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
<i>Pedestrian Safety Improvements</i>																			
Mission Street & Trumbull Street Intersection Upgrades	\$ 270,000	\$ 69,000	<div></div>																
Potrero Avenue Roadway Improvements	\$ 1,094,000	\$ 713,000	<div></div>																
8th and Market Streets Transit Boarding Island	\$ 521,800	\$ 186,000	<div></div>																
Arguello Boulevard Traffic Signals Upgrade	\$ 1,500,000	\$ 243,889	<div></div>																
Geary Bus Rapid Transit Phase I: Near-Term Improvements	\$ 34,103,000	\$ 7,400,000	<div></div>																
4th St - I-80 Vision Zero Improvements	\$ 1,400,000	\$ 1,400,000	<div></div>																
Permanent Painted Safety Zone Conversion	\$ 400,000	\$ 575,000	<div></div>																
Add PCS to High Injury Corridors (18 locations) Phase I	\$ 5,450,000	\$ 1,725,442	<div></div>																
6th Street Streetscape	\$ 22,000,000	\$ 2,590,000	<div></div>																
8 Bayshore: San Bruno Improvements	\$ 1,300,000	\$ 1,300,000	<div></div>																
Alemany Interchange Improvement Project – Phase 1	\$ 186,890	\$ 186,890	<div></div>																
Application-Based Residential Street Traffic Calming FY 16/17	\$ 179,564	\$ 179,564	<div></div>																
Beale Street Bikeway Improvements	\$ 240,000	\$ 240,000	<div></div>																
<i>Traffic Signal Improvements</i>																			
Western Addition Area - Traffic Signal Upgrades	\$ 9,485,000	\$ 1,100,000	<div></div>																
Contract 64 – New Traffic Signals	\$ 1,100,000	\$ 1,100,000	<div></div>																
Contract 65 – New Traffic Signals	\$ 260,000	\$ 260,000	<div></div>																
Geneva Ave Traffic Signals	\$ 500,000	\$ 500,000	<div></div>																
New Signals on High Injury Corridors – WalkFirst	\$ 1,945,814	\$ 1,349,194	<div></div>																
Rectangular Rapid Flashing Beacons	\$ 575,000	\$ 575,000	<div></div>																
<i>Complete Street Improvements</i>																			
Van Ness BRT: SFGo	\$ 352,000	\$ 352,000	<div></div>																
Van Ness BRT Associated Improvements	\$ 2,317,072	\$ 2,317,072	<div></div>																